

1927 - 1928

AUTO OWNERS' SUPPLY BOOK

Our 18th
Anniversary
1909-1927

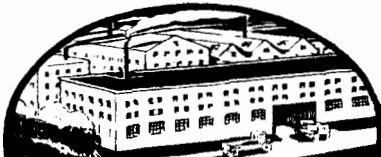


Western Auto Supply Co.

INCORPORATED
"World's Leading Auto Accessory Stores"

**2701 NO. BROAD ST.
PHILADELPHIA, PA.**

4 PROFITS OR 1



The MANUFACTURERS PROFIT IS THE SAME NO MATTER HOW THE GOODS ARE DISTRIBUTED OR HOW MUCH YOU PAY



~~BROKER FIRST PROFIT~~



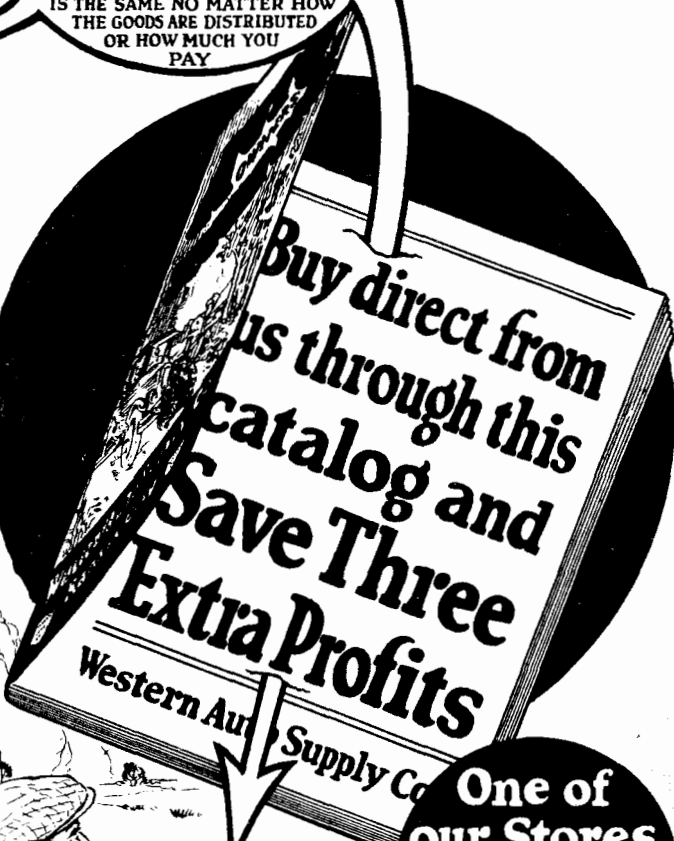
~~JOBBER SECOND PROFIT~~



~~TRAVELING SALESMAN THIRD PROFIT~~



~~LOCAL DEALER FOURTH PROFIT~~



Western Auto Supply Co.

One of our Stores is located near you

See inside Back Cover

Satisfaction or Money Back

Copyrighted 1927 by Western Auto Supply Company, Kansas City, Mo.

World's Leading Auto Accessory Stores

We are now the largest organization of its kind in the world, with 30 big stores conveniently located to give you quicker and better service.

I want to take this opportunity of personally thanking our millions of customers everywhere for their generous patronage which has made it possible for us to grow from a small one man store into the largest organization of its kind in the world.

An average of one out of every five car owners in the entire United States is now getting their tires and supplies from Western Auto stores.

Automobile owners everywhere are now realizing that they can always depend upon the World's Oldest and Largest Exclusive Auto Accessory Stores for the Highest Quality, Lowest Prices, and Quickest Service and an Absolute Guarantee,



DON A. DAVIS
PRESIDENT

Satisfaction or Money Back

18 Years of Service

For more than 18 years we have been handling Tires and Auto Accessories exclusively and devoting our entire time to the study of the individual car owners needs. Our big chain of 30 stores keeps us in close daily contact with our customers and their requirements, and enables us to serve them far better than if we were just a mail order house, that carried auto supplies merely as a side-line or one of many other departments.

One of our big stores is located near you with large and complete stocks, insuring you quicker service and a saving in transportation charges.

If you reside in, or visit, any of the following cities, we cordially invite you to visit our big retail stores where you will find everything shown in this catalog attractively displayed ready for your personal selection with experienced and courteous salesmen always ready to serve you.

30 Big Stores Located in the Following Cities

- | | | | |
|-------------|------------------------|---------------------|-------------------------|
| Atlanta | Kansas City (4 stores) | Chicago | Philadelphia (2 stores) |
| Birmingham | St. Louis | St. Paul (2 stores) | Cincinnati |
| Memphis | Tulsa | Minneapolis | Columbus |
| New Orleans | Oklahoma City | Des Moines | Dallas |
| Little Rock | Wichita | Cleveland | Ft. Worth |
| Louisville | Topeka | Dayton | San Antonio |
| | | | Houston |

OUR POLICY

When we receive your money for any article in our catalog, we don't consider that the money belongs to us, but is still yours and subject to be returned to you until after you have received your purchase and found it exactly as illustrated and described.

We employ a large force of competent people in all departments, who give your orders careful and prompt attention, but if for any reason an error should be made, we want you to write us fully and give us an opportunity to make it right. We assure you that we are always at your service, and that you will be treated just as we should like to be if we were in your place.

Western Auto Supply Co.

Copyrighted 1927
By Western Auto Supply Co.

Don A. Davis
President

Lowest Prices Ever Offered

**30x3½
STANDARD
\$5.95**

**30x3½
OVERSIZE
\$6.65**

GUARANTEED

Wear-well Cord Tires

Better Tires at Lower Prices

Never before have we been able to offer our customers more outstanding tire values. Our new low prices are the lowest in our many years of business—yes, much lower than "before the war." Yet, modern methods of production enable us to build even better tires—tires that reduce the cost per mile to a minimum.

Fully Guaranteed

Each tire is guaranteed against defects in material and workmanship on a 10,000 mile basis (standard sizes 8,000 miles). Each tire must fully measure up to our superior standards of quality and more important, it must fully measure up to your expectations. You must be satisfied.

And back of this guarantee stands the millions of dollars of resources of the Western Auto Supply Company—the largest concern of its kind in the world and with a reputation for 18 years of square, honest, dealing with car owners.

Wear-well Cords are Favorites

Thousands upon thousands of motorists—driving all makes of passenger cars—are riding on Wear-well Cords. In fact, so popular have Wear-well and other "Western Auto" tires become, so well are they known as "mileage producers" that we are enjoying the biggest tire business in our history. This increased sales volume enables us to make big savings in our factory costs and consistent with our policy of "More For Your Money," these savings are passed on to you.

Full Oversize Full Standard Weight

There is no skimping in the building of Wear-well Cords. Our specifications are followed to the letter by the large, well established and reliable tire manufacturers in whose plants these tires are made. It is not a question of how cheaply we build Wear-well Cords but rather how well

can we build them. They must be worthy of their name. They must be so good that we may conscientiously recommend them to our customers.

Tested Quality

Only high grade materials are used in the construction of Wear-well Cords. The tread is scientifically designed to give you maximum wear and sure-footed traction. Every step in the process of manufacture is carefully supervised and closely inspected. With the result, that every tire is first quality—bears the manufacturer's serial number, has our stamp of approval and carries a definite mileage guarantee.

Shipped C. O. D. Without One Cent Deposit

We invite you to take this opportunity now to compare Wear-well Cords with any other tires that you have ever used. Most other houses require that you send your money in advance before they will make shipment. So certain are we that Wear-well Cords are superior to other tires selling at prices \$5 to \$20 higher and, knowing that our prices offer you such an exceptional value no matter where you live, we are willing to ship you as many Wear-well Cords as you need and without asking one cent of deposit. When the tires arrive, examine the big, sturdy construction, feel the tough, thick, wear-resisting tread, examine the heavy, strong side walls and note the improved and attractive scientific non-skid tread design, weigh them, and make every possible comparison with any other tire on the market, regardless of name or price, and, if you do not pronounce them to be most exceptional tire value that you ever saw, or if, for any reason, you are not satisfied, instruct the express agent to return them to us at our expense. If shipment is made by Parcel Post, which does not carry the privilege of examination before acceptance, just return the tires to us, unused, and we will cheerfully refund every cent you have paid, including all transportation costs. Could you ask for anything fairer than this?

LOWEST PRICES EVER OFFERED

Full Oversize Guaranteed 10,000 Miles			
Size	Bead	Ship. Wt.	New Price
30x3½	Clin.	14 lbs.	\$6.65
30x3½	Str. Side	14 lbs.	7.65
31x4	Str. Side	17 lbs.	9.65
32x4	Str. Side	19 lbs.	10.15
33x4	Str. Side	20 lbs.	10.85
32x4½	Str. Side	25 lbs.	14.85
33x4½	Str. Side	26 lbs.	15.65
34x4½	Str. Side	27 lbs.	16.35

Standard Size Guaranteed 8,000 Miles		
Size	Ship. Wt.	New Price
30x3 Cl.	11 lbs.	\$ 5.65
30x3½ Cl.	12 lbs.	5.95

We recommend 30x3½ STANDARD SIZE tires only when you wish to buy one tire to use along side of a fabric tire or another standard size cord.

When changing two or more tires we recommend OVERSIZE tires. They cost a trifle more but are much more economical to use, besides giving better riding qualities to the car and greater resistance to punctures and stone bruises.

We will repair or replace any defective Wear-well casing on a basis of 8,000 miles on standard sizes and 10,000 miles on Oversize, charging only for the mileage received.

10,000 MILES

Wear-well FULL BALLOONS

Standard Over Size, Standard Weight
AT NEW REDUCED PRICES

In all our 18 years experience we have never offered a more outstanding tire value than these Wear-well Full Balloons at our new reduced prices. Yet modern methods of production and the low price of rubber together with our tremendous volume of business, and direct-from-factory-to-car-owner system of distribution enable us to build even better tires—tires that stand the hardest of all tests—actual satisfactory use on thousands of cars everywhere.

TESTED QUALITY

Wear-well Balloons are built of selected, high grade materials. The tread rubber is extra tough and long wearing. The cords are full size and are thoroughly impregnated and insulated with highest quality friction gum. The sidewalls are strong yet pliant. Master tire builders, working in modern factories under the most up-to-date scientific methods of tire construction, build Wear-well cords up to our own carefully supervised specifications, with the result that every Wear-well Balloon is first quality, bearing the manufacturers serial number.

GUARANTEED 8,000 MILES

Good value and long mileage are built right into every Wear-well Balloon and every one bears our guarantee against defects in workmanship or materials for 8,000 miles. And back of this guarantee stands the millions of dollars of resources of the Western Auto Supply Company, the largest concern of its kind in the world and with a reputation for 18 years of honest dealing.

Shipped C. O. D. Without One Cent Deposit

We are so sure that you will pronounce Wear-well Balloons an extraordinary balloon tire value that no matter where you live we are willing to ship you as many as you need C. O. D., without one cent deposit. When they come examine the thick, tough, wear-resisting, non-skid treads, feel the strong, yet flexible, side walls, weigh them, measure them, compare them in every way with any tires you have ever used. If then you are not satisfied of their outstanding value, instruct the express agent to return them to us at our expense. If shipment was made by Parcel Post, which does not carry the privilege of examination before acceptance, just return the tires to us, unused, and we will cheerfully refund every cent you have paid, including transportation cost. Could you ask any thing fairer than this?

Size	Ship. wt.	Price
29x4.40	15 lb.	\$7.35
30x4.75	18 lb.	9.95
30x4.95	18 lb.	10.45
31x5.25	21 lb.	11.95
30x5.77	23 lb.	12.95

**TIRES MOUNTED FREE AT
OUR STORES**



29x4.40
Full Balloons
OVERSIZE
\$7.35
GUARANTEED
8000
MILES



WESTERN GIANT⁵ Truck Tires.



Extra Plies, Added Strength

Built to Carry the Overloaded Truck and Bus

Bus owners, commercial companies, truck drivers, and all whose time is money and are always in a hurry and have no time to "nurse" thin tires, are using Western Giant truck tires.

Western Giant truck tires embody all of the qualities of our Western Giant Cords—all of the knowledge gained in thirteen years of experience with tires. They were built to fill the long felt need in commercial motor transportation—tires that would reduce tire costs and eliminate the costly stops for roadside repairs. That Western Giant truck tires fill this need is borne out by their great popularity among tire buyers who have studied their tire problems and who use that accurate measuring stick—mileage and dependability—to gauge the value of tires.

Re-inforced Throughout

Knowing that it is often necessary to overload trucks, we have brought the shoulder bars of the tread down over the side-walls, giving added strength at a rather sensitive point of wear. Extra plies of long-staple cords and extra pounds of tough rubber are built into the body of Western Giant Truck Tires, to meet the exacting requirements of modern, commercial motor transportation.

Shipped C. O. D. Without Deposit

We are so sure you will pronounce these Western Giants the greatest truck tire value you ever saw, that we will ship you as many as you need, C. O. D. without one cent deposit. When they come examine their rugged construction, feel the thick, tough tread, the extra strong, reinforced shoulders; weigh them, compare them in any way with any tire you ever saw, and if you are not satisfied that they are an exceptional tire value instruct the express agent to return them to us at our expense.

Size	Bead	Plies	Ship. Wt., Lbs.	Price	Jumbo Tube
*30x3½	CI.	6-ply	18	9.85	2.55
32x4½	S.S.	6-ply	25	17.85	3.15
30x5	S.S.	8-ply	35	24.95	3.85
33x5	S.S.	8-ply	38	24.95	3.95
35x5	S.S.	8-ply	41	26.35	4.35
32x6	S.S.	10-ply	61	43.95	5.95

*Our 6-ply 30x3½ clincher tire requires 31x4 inner tube

30 x 3 1-2 SOLID CUSHION TRUCK TIRES

Solid rubber, with effective non-skid tread, and scientifically designed air spaces that cushion road shocks. Tire is on a metal Hayes rim so you can just slip it onto your present wheels. Practically no "Wear-out" to this tire. Ship. wt., 37 lbs. **15.65**

**30 x 3 1/2
6 PLY
\$ 9 85**

**30 x 5
8 PLY
\$ 24 95**

**Guaranteed
12000 MILES**

Western Giant

The Big ~ Heavy ~ Oversize



**New
Reduced
Price**
30 x 3 1/2
\$7.65

World's Greatest Tire Value

Cord Tires

Super ~ Quality Cords

You have been looking for lower prices. Here they are. The recent reduction in rubber prices, together with our enormous buying power for all our chain of stores, enables us to offer still lower tire prices. Never, during the 18 years that we have been handling tires have we seen tire prices so low and, regardless of these extremely low prices, the quality of Western Giant Cords has been consistently and constantly improved with the improved, scientific methods of tire construction.

We challenge any tire on the market, regardless of price or make, for greater service or greater value. Our reputation of 18 years standing for square, honest, dealing, together with millions of dollars of resources, stands back of every Western Giant Tire. Hundreds of thousands of Western Giant Cords have been sold by us since they were introduced more than four years ago. Automobile owners everywhere are now convinced that they can absolutely depend on the uniform and extraordinary quality of our tires. If Western Giant Cords were not extra quality, with extra mileage built right into them, we could not continue to offer them to you on a basis of a 12,000 mile guarantee, when, as you know, most tires are now offered without any definite mileage guarantee whatever.

DIRECT FROM FACTORY DIRECT TO YOU

It costs just as much to build a Western Giant Cord as it does to build any other high grade tire on the market, but our cost of getting the tires from the factory onto your car has been reduced to the minimum. All in-between cost, such as elaborate and expensive advertising methods, cobber's and warehouse expenses, traveling salesmen, have been practically eliminated. This, together with our enormous buying power, quick turnover, and cash system of distribution, enables us to offer these big, sturdy Western Giant 12,000 mile cords for less than the prices that are usually asked for the most ordinary tires being offered today. Most of our tires are shipped direct from the factory to our stores in carload lots. This constitutes a big saving in transportation costs and is just another of the many reasons why we are able to offer you these exceptional tire values.

Do not blame your local dealer for asking high prices. Considering his small buying power and customary methods, and with his limited volume, he is obliged to get higher prices.

With our big chain of stores and enormous volume of sales, we are able to turn our stock very rapidly, thus always insuring our customers new, fresh stock.

SAVE ON TRANSPORTATION CHARGES

Our stores are located near you, insuring quicker delivery and less transportation charges. If you will compare these charges with other houses, you will be surprised at the difference. For instance, if you live within 150 miles of one of our stores, you can have a 30x3 1/2 Western Giant Tire delivered to you by parcel post for only 22c and usually within a few hours time; whereas, if you should order from a firm located as much as 300 miles away, the transportation charge would amount to almost double that amount and require a correspondingly longer time for your shipment to reach you.

Shipped C. O. D. Without One Cent Deposit

We want you to take this opportunity now to compare Western Giant Cords with any other tires that you have ever used. Most other houses require that you send your money in advance before they will make shipment. So certain are we that Western Giant Cords are superior to any other tire made and, knowing that our prices offer you such an exceptional value no matter where you live, we are willing to ship you as many Western Giant Cords as you need and without asking one cent of deposit. When the tires arrive, examine the big, sturdy construction, feel the tough, thick wear-resisting tread, examine the heavy, strong side walls and note the improved and attractive scientific non-skid tread design, weigh them, and make every possible comparison with any other tire on the market, regardless of name or price, and, if you do not pronounce them to be the most exceptional tire value that you ever saw, or if, for any reason you are not satisfied, instruct the express agent to return them to us at our expense and you are not out a penny. Could you ask for anything fairer than this?

New Reduced Prices

Size	Bead	Ship. Wt.	New Prices
*30x3 1/2	Clincher	15 lbs	7.65
*30x3 1/2	S.S.	16 lbs	8.85
32x3 1/2	S.S.	18 lbs	10.95
31x4	S.S.	20 lbs	12.85
32x4	S.S.	21 lbs	13.35
33x4	S.S.	22 lbs	13.85
34x4	S.S.	23 lbs	14.35
32x4 1/2	S.S.	25 lbs	17.85
33x4 1/2	S.S.	26 lbs	18.35
34x4 1/2	S.S.	27 lbs	19.65
33x5	S.S.	38 lbs	24.95
35x5	S.S.	41 lbs	26.35

For Truck Tires, See Page 5

*Our 30x3 1/2 is extra oversize and requires a 30x3 1/2 oversize inner tube (see pages 10 and 11.) Every tire on this page can now be shipped anywhere by Parcel Post.

GUARANTEED 12,000 MILES

We guarantee Western Giant Cord Tires against defects in materials or workmanship on a basis of 12,000 miles' service. We will repair or replace any DEFECTIVE casing on the above basis charging only for the mileage received from the tire.

Guaranteed 12000 Miles

Western Giant Balloons

New Wear-Resisting Flat Non-Skid Tread

\$8.95
FULL BALLOON
SIZE 29 x 4.40



30x4.95
FULL
BALLOON
\$13.35

Lowest Prices Ever Offered

These new reduced prices make Western Giant Full Balloons, without question, one of the greatest balloon tire values ever offered. They are the very latest development for tire comfort and economy. No expense has been spared to make Western Giant Balloon Cords one of the most comfortable, longest wearing and most economical tires ever built.

Save \$5 to \$20 on Every Tire

We buy direct from the factory and ship to our stores in carload lots. We sell direct to you through this catalog adding only our one small profit to our cost, saving you from \$5 to \$20 on every tire, depending on the size. It stands to reason that we can furnish you with better tires for less than any concerns that are compelled to add to their prices in-between costs, such as high freight rates for small shipments, expensive methods of advertising, distributor's and jobber's profits, and finally a larger profit on account of their necessarily limited volume of business.

Save on Transportation Charges

We handle automobile tires and accessories exclusively devoting our undivided attention to the car owner's needs. The results of our long and specialized experience are conspicuously reflected in the superior quality of our tires and our ability to save our customers money and render them quicker and more efficient service.

One of our stores is located near you, insuring quicker delivery and less transportation charges. If you will compare these charges with other houses you will be surprised at the difference. For instance, if you live within 150 miles of one of our stores, you can have a 29x4.40 Western Giant Balloon delivered to you by parcel post for 24c and usually within a few hours time; whereas if you should order from a firm located as much as 300 miles away, the transportation charges would amount to almost double that amount and require a correspondingly longer time for your shipment to reach you.

We Ship C. O. D. Without One Cent Deposit

We invite you to take this opportunity to compare Western Giant Balloons with any other tire on the market. It is not necessary to send your remittance with your order. We are so certain you will pronounce Western Giant Balloons the greatest tire value you have ever seen that we are willing to ship C. O. D., as many tires as you need. When they come examine them thoroughly, weigh them, make every possible comparison with any tire you have ever used regardless of name or price. If you do not agree that they are the greatest tire value you have ever seen or if for any reason you are not satisfied, instruct the express agent to return them to us at our expense. If shipment was made by parcel post, which does not carry the privilege of examination before acceptance, just return the tires to us unused, and we will cheerfully refund every cent you have paid, including all transportation costs. Could anything be fairer than this?

You Can Pay More Money But You Can't Buy Better Tires

We have made examinations and tests; we have cut up and scientifically analyzed tires that sell at prices \$5 to \$20 higher than our price (depending on the size) and we have found Western Giant Balloons equal or superior to any tire that we have ever examined.

The cords are full standard size and strength; the rubber in the tread is the most elastic, durable, and toughest tread rubber we have ever seen. The whole is one strong, flexible, wear-resisting unit which insures riding comfort, and economical and satisfactory service. The superior quality of Western Giant Balloons has demonstrated by actual tests that they are capable of rendering 12,000 miles and more of good, honest service, and every tire carries a definite mileage guarantee of 12,000 miles against defects in workmanship or material. Our guarantee is backed by all the millions of dollars of resources of the Western Auto Supply Co., and our reputation for 18 years of honest dealing.

With these new reduced prices you can now buy Western Giant Balloon Tires for about the same prices that you would be asked for the most ordinary tires, that carry no definite mileage guarantee whatever.

Buy Now—At These New Reduced Prices

Size	Ship. Wt.	Price	Size	Ship. Wt.	Price
27x4.40.	.17 lbs..	..\$8.75	30x5.25.	.23 lbs..	..\$14.45
29x4.40.	.17 lbs..	.. 8.95	31x5.25.	.24 lbs..	..14.65
30x4.75.	.19 lbs..	..11.85	30x5.77.	.29 lbs..	..17.65
29x4.95.	.20 lbs..	..12.65	33x6.00.	.34 lbs..	..18.95
30x4.95.	.21 lbs..	..13.35	32x6.20.	.35 lbs..	..20.75
31x4.95.	.22 lbs..	..14.35			

FULL OVERSIZE GUARANTEED 12,000 MILES



**For Cord,
Fabric and
Balloon Tires**

No matter how good your tires may be, you cannot expect satisfactory tire service unless you use good inner tubes. One Jumbo Double Service Extra Thick Tube will give you longer and more satisfactory service than two ordinary tubes.

The very best materials are used throughout, and they are made by the latest most improved scientific laminated process of construction. Full size with extra strong splice, double strength at the valve stem, and fitted with highest quality standard valves. Jumbo Double Service Extra Thick Tubes are almost 50% thicker and heavier than the average tube. This extra weight and thickness insures greater strength, longer life and better service.

Every Jumbo Double Service Tube is thoroughly tested and inspected before leaving the factory and is guaranteed by us for two years against any defects in workmanship or material.

These new reduced prices make it possible for you to buy these extra quality, extra thick tubes, which are guaranteed for two years for no more than the price usually asked for tubes of ordinary weight and grade and carrying no guarantee whatever.

NEW REDUCED MONEY-SAVING PRICES

Jumbo Double Service Gray Tube For High Pressure Tires				Jumbo Double Service Red Inner Tubes For High Pressure Tires				For Full Balloon Tires			
Number	Size	Ship. Wt.	Price	Number	Size	Ship. Wt.	Price	Number	Size	Ship. Wt.	Price
E6470	30x3	3 lbs.	1.48	E6480	30x3	3 lbs.	1.70	E6413	27x4.40	4 lbs.	1.79
E6471	30x3½	3½ lbs.	1.68	E6481	30x3½	3½ lbs.	1.98	E6424	29x4.40	4 lbs.	2.25
E6463	30x3½ O.S.	3½ lbs.	1.85	E6482	30x3½ O.S.	3½ lbs.	2.20	E6414	30x4.75	4 lbs.	2.35
E6472	32x3½	3½ lbs.	2.10	E6484	31x4	4 lbs.	2.55	E6422	29x4.95	4 lbs.	2.35
E6473	31x4	4 lbs.	2.38	E6485	32x4	4 lbs.	2.70	E6423	30x4.95	4½ lbs.	2.45
E6474	32x4	4 lbs.	2.48	E6486	33x4	4 lbs.	2.79	E6425	31x4.95	4½ lbs.	2.48
E6475	33x4	4½ lbs.	2.60	E6487	34x4	4 lbs.	2.95	E6420	30x5.25	4½ lbs.	2.85
E6476	34x4	4½ lbs.	2.70	E6488	32x4½	5 lbs.	3.15	E6426	31x5.25	4½ lbs.	2.89
E6477	32x4½	5 lbs.	2.85	E6489	33x4½	5 lbs.	3.25	E6427	30x5.77	4½ lbs.	3.25
E6478	33x4½	5 lbs.	2.95	E6490	34x4½	5 lbs.	3.55	E6428	32x5.77	5 lbs.	3.45
E6479	34x4½	5 lbs.	3.25	E6495	30x5	5 lbs.	3.85	E6421	33x6.00	5 lbs.	3.55
E6496	30x5	5 lbs.	3.55	E6494	33x5	5 lbs.	3.95	E6419	32x6.20	5 lbs.	3.65
E6497	33x5	5 lbs.	3.70	E6491	35x5	5 lbs.	4.35				
E6492	35x5	5 lbs.	3.95	E6462	32x6	6 lbs.	5.95				



For Cord, Fabric and Balloon Tires

Western Standard Tubes are made exclusively for us of the best selected materials and by the latest scientific laminated method of construction, which has practically overcome trouble from slow leaks. Reinforced at splice and around the valve stem and fitted with the highest quality standard valves.

Western Standard Tubes are not the thin under-sized heavily compounded tubes that are sometimes offered at about our prices, but are full standard size and weight and every tube bears our name and guarantee against defects in workmanship or material. Every tube is thoroughly inspected and tested before leaving the factory. Full size and strictly new fresh stock.

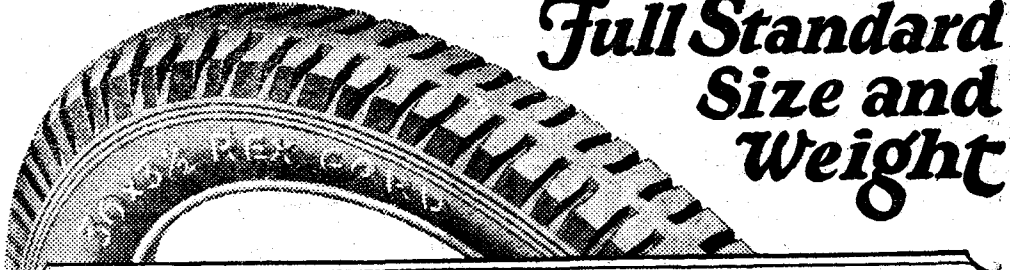
The following new reduced prices are the lowest that we have ever offered. Why pay high prices or take chances on unknown brands from unreliable sources when you can get high grade guaranteed tubes at these low prices?

LOOK AT THESE REDUCED PRICES

WESTERN STANDARD GRAY TUBES FOR HIGH PRESSURE TIRES				FOR FULL BALLOON TIRES				WESTERN STANDARD RED TUBES FOR HIGH PRESSURE TIRES			
Number	Size	Ship. Wt.	Price	Number	Size	Ship. Wt.	Price	Number	Size	Ship. Wt.	Price
E6447	28x3	2½ lbs.	.93	E6516	27x4.40	3½ lbs.	1.55	E6457	28x3	2½ lbs.	1.05
E6440	30x3	2½ lbs.	1.05	E6498	29x4.40	3½ lbs.	1.48	E6450	30x3	2½ lbs.	1.20
E6441	*30x3½	3 lbs.	1.12	E6520	30x4.75	3½ lbs.	1.80	E6451	*30x3½	3 lbs.	1.28
*E6449	*30x3½ O.S.	3½ lbs.	*1.35	E6499	29x4.95	3½ lbs.	1.89	E6459	*30x3½ O.S.	3½ lbs.	*1.43
E6442	*32x3½	3½ lbs.	1.48	E6500	30x4.95	4 lbs.	1.95	E6452	*32x3½	3½ lbs.	1.65
E6443	*31x4	3½ lbs.	1.60	E6501	31x4.95	4 lbs.	2.15	E6453	*31x4	3½ lbs.	1.89
E6444	32x4	3½ lbs.	1.65	E6517	30x5.25	4 lbs.	2.25	E6454	32x4	3½ lbs.	1.95
E6445	33x4	4 lbs.	1.75	E6508	31x5.25	4 lbs.	2.40	E6455	33x4	4 lbs.	2.05
E6446	34x4	4 lbs.	1.90	E6509	30x5.77	4½ lbs.	2.68	E6456	34x4	4 lbs.	2.15
E6448	32x4½	4½ lbs.	2.15	E6510	32x5.77	4½ lbs.	2.95	E6458	32x4½	4½ lbs.	2.45
				E6518	33x6.00	4 lbs.	2.85				
				E6519	32x6.20	4½ lbs.	3.15				

*30x3½ O. S. tires take 30x3½ O. S. tubes; 32x3½ O. S. take 32x4 tube; 31x4 O. S. take 32x4½ tube.

Full Standard Size and Weight



SPECIAL ONE SIZE ONLY 30x3½ REX CORD

Rex Cords are designed and offered to meet a growing demand for a cheap 30x3½ Clincher tire for owners of old cars whose requirements call for service for a short period of time, as is often the case where owners expect to dispose of old cars in a short time or where a cheap spare is required for emergencies.

Rex Cords are built full standard size and weight with 4 plies of good cord fabric, careful workmanship and have a very attractive as well as effective tread design, but are built entirely of "reclaimed rubber." For this reason, together with our enormous buying power and direct-from-factory-to-car-owner method of distribution we are able to offer these 30x3½ Rex Clincher Cord tires for the ridiculously low price of \$4.49, or about the price that is usually asked for a second or rebuilt tire of the same size.

Rex Cords used under ordinary conditions should render satisfactory service for several thousand miles, and are guaranteed against defects in workmanship or material for a period of 90 days from date of sale, but no definite mileage guarantee is offered on these tires.

We recommend our Western Giant and Wear-well guaranteed cords, which are fully described and priced on the preceding pages of this catalog, and at our present special reduced prices, offer the lowest per mile tire cost of any tires that we know of.

Rex Cords should be considered only for a spare or where a short time of service is required. Furnished in one size only.

30x3½ CL. REX CORD (Ship. wt. 12 lbs.) OUR SPECIAL PRICE..... **\$4.49**

\$4.49
30x3½ CL.

WESTERN STANDARD FABRIC TIRES 30x3 CL. and 30x3½ CL. ONLY GUARANTEED 6,000 MILES

We are discontinuing the Western Standard Fabric Tires and have a limited supply of the popular 30x3 and 30x3½ sizes on hand, which we are now offering subject to stock on hand at these special close out prices, which are less than actual factory cost. Identically the same tires that we have been selling for the past several years. Thousands are now in daily use. New, fresh stock, full standard size and weight and subject to our regular guarantee of 6000 miles. Our supply of these high grade, guaranteed tires will not last long at these prices. Take advantage of this opportunity now. Furnished only in clincher rim, sizes 30x3 and 30x3½ only.

Special Close Out Prices, Subject to Stock on Hand

30x3 Clincher (Ship. wt., 10½ lbs.) Special..... **4.65**
30x3½ Clincher (Ship. wt., 12 lbs.) Special..... **4.95**



Save on Genuine Schrader Gauges and Valve Cores

Each Gauge comes in a neat leather case. Every car owner should have one. Make it a practice to test your tires with one these gauges every week. Keep valve caps and dust caps on your valves.

Schrader Balloon Tire Gauge



Accurately indicates tire pressures by single pounds from 10 to 42 lbs. An

absolute necessity for every balloon-tire user who wishes to get the best service from his tires.

Our Reduced Price
J7710—Balloon-Tire Gauge. (Ship. wt., 8 oz.) **1.25**

Schrader Special Tire Gauge

For Trucks and Wire Wheels



The ball-joint feature gives easy access to valve stem in close places. Shows pressures from 30 to 170 lbs.

Neat leather case.

Our Reduced Price
J7708—Special Tire Gauge. (Ship. wt., 8 oz.) **1.35**

Schrader Regular Tire Gauge

For High Pressure Tires



The regular Schrader Tire Gauge which for years has been the standard pressure gauge for high pressure cord and fabric tires.

Our Reduced Price
J7707—High Pressure Gauge. (Ship. wt., 8 oz.) **1.19**

Genuine Schrader Valve Cores



A flat tire is often caused by a leaky valve core. Always have a box of these cores in your tool box for emergencies. Packed 5 in a tin box with sliding lid.

Our Reduced Price
J7700—Valve Cores, box of 5 (Ship. wt., 4 oz.) **.22**

Valve Caps, Dust Caps, Washers

Standard replacement parts for all standard valve stems.

Ship. wt., 4 oz.

J7690—Valve Caps (box of 5)..... **.22**

J7693—Dust cap for J7691 and J7692, each..... **4c**

J7695—Dust cap for J7694 small bushing nut, each **4c**

J7694—Valve Bushing Nut, ½" hole, for small valve stems, each **5c**

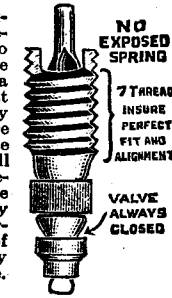
J7692—Valve Bushing Nut, ¾" hole, for large valve stems, each **5c**

J7691—Valve Bushing Nut, ¾" hole, to make J7693 fit on small valve stem..... **5c**

J7701—Angle Valve Stem (Wt., 8 oz.)..... **.33**

New Improved Valve Cores

Provides a more thoroughly leak-proof tire valve than has ever before been produced. Anyone who has experienced difficulty in the proper insertion or removal of a valve inside will see by looking at the illustration that this is entirely eliminated, because all the parts are fully enclosed. There are no loose springs to get out of order and all material is of the best possible selection and is subjected to the closest inspection. Fits perfectly in any valve stem and is interchangeable with other types of valve cores. Can be used with any pump or standard pressure gauge. Packed 5 in metal container.



J7722—Package of 5 insides (Ship. wt., 4 oz.)..... **.19**

Dill Instant-On Combination Valve Cap and Dust Cap



A well-known tire valve sealing device that combines the dust cap and the special leak-proof valve cap in one unit. Screwing on the valve cap automatically tightens the dust cap firmly against the wheel. Much quicker and easier to use than the ordinary valve cap and dust cap. Just a few turns seals the valve against leaks and keeps dirt and moisture away from the tube. On or off in a jiffy. Millions are in daily use—most of the best cars have them.

J7711—Instant-On Valve Caps for all cars. Ship. wt., 2 oz., each..... **.18**
Set of 5. (Ship. wt., 12 oz.)..... **.84**

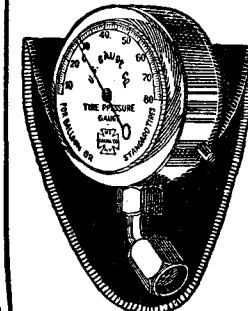
"Double Seal" Valve Caps



Absolutely prevent valve leaks. Will never wear out. Made entirely of brass with special enclosed fiber washer that will not rot or cut like leather. They cover the valve stem instead of screwing into it and form a guide for the valve core so that it always seats properly. Threads are long and accurately cut. By actual test our superior "Double Seal" valve caps have proved they are superior in checking valve leaks and lasting qualities. It pays to buy the best.

J7706—Set of 5. (Ship. wt., set, 12 oz.)..... **.65**

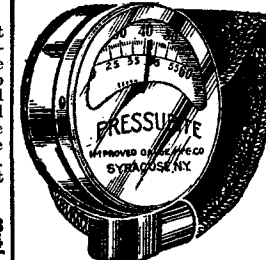
U. S. Universal Tire Gauge



Save money by buying this well-known, standard, tire gauge at your "Western Auto" store. By actual tests this gauge is proven the most accurate gauge made. Just apply to the valve stem, the arrow turns to the exact pressure and remains fixed until released by the little push button. Can be used on high pressure or balloon tires and on wire, disc, or wood wheels with equal success. Has unbreakable face. Well made and finished in nickelplate. Ship. wt., 12 oz.

J7709—U. S. Universal Tire Gauge..... **1.19**

Pressurite Tire Gauge



Very accurate and durable; easy to read and handy. Made entirely of metal. The gauge face is covered with an unbreakable crystal. Comes in a neat leather case.

Just apply to the valve stem and the arrow moves across the dial to the correct pressure and stays there until reset. Can be used in light or darkness. Ship. wt., 3 oz.

J7702—For high pressure tires, 10 to 120 lbs., straight stem..... **.78**
J7703—For Balloons, 1 to 60 lbs. by lbs., bent stem..... **.98**

Leak-Proof Valve Caps

Prevent Valve Leaks

Prevent valve leaks and the resulting under-inflation that ruins thousands of tires. Screws down inside valve stem, thus blocking passage of air, besides forming a guide for upper end of valve plunger, insuring a perfect seat. (Shipping weight, 8 oz.)

Our Reduced Price
J7705—Leak-Proof Valve Caps, Set of 5..... **.29**

EVER-LASTICK RUBBER PATCH BACK PATCH

Carry a Can With You For Emergencies

A quick, permanent repair patch for inner tubes. Cut your own patches to fit the repair to be made, any shape, large or small; buff tube thoroughly with special metal buffer furnished with each outfit, then apply sufficient cement, allowing it to dry 5 minutes. Cut proper size of patch, rounding the corners large enough to allow about 1/4 of an inch around hole, then apply the patch by pressing center directly over the injury, then pressing it out smoothly toward the edges. Outfit consists of a roll of rubber patch, special metal buffer and tube of rubber cement, with full instructions. Comes in a strong lithographed can—airtight and waterproof, preventing water and air from deteriorating the patch while in your tool box.

Ever-lastick is equal, if not superior, in quality, to many high-priced advertised patches selling for from 75c to \$1.00. The rubber is of the highest quality and the cement could not be made any better regardless of cost. Ever-lastick Patch Outfit should not be confused with low quality patches made of reclaimed rubber. Ours is a strictly guaranteed patch made for the man who wants the best. Put a can in your car now and be ready for an emergency.



Our Reduced Price

- E6312—Small, 30 sq. in. (Shipping weight, 8 oz.)..... **.19**
- E6313—Large, 72 sq. in. (Shipping weight, 1 lb.)..... **.29**

Monkey Grip Tube Patch



This well known, high quality, tube patch outfit will meet all your needs whether it be repairing a small pin hole or a large blow out. The patch is selected pure live white rubber gum and is almost twice as thick and strong and durable as ordinary patch. A tube patched with Monkey Grip is stronger at the patch than the tube was when new. Easily and quickly applied just like any other cold patch but made of such excellent materials that the patch is rapidly vulcanized to the tube by the heat of the tire thereby making a permanent repair that will resist great heat, cold, air pressure and traction pull. Guaranteed to give you absolute satisfaction. Outfit consists of patch, tube of cement, and a buffer; in a strong can with simple directions.

- E6318—Outfit, 27 sq. in. patch (Ship. wt. 8 oz.)..... **.29**
- E6319—Outfit, 45 sq. in. patch (Ship. wt. 1 lb.)..... **.51**
- E6320—Outfit, 72 sq. in. patch (Ship. wt. 2 lbs.)..... **.62**

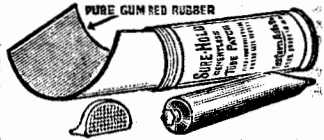
Patching Cement



- A high-grade cold patch cement for use with any make of regular cold patch rubber.
- E6342—1/2 x 4" Tube, (Ship. wt., 2 oz.) **8c**
 - E6341—1" x 6" Tube, (Ship. wt. 4 oz.).. **.12**
 - E6343—1/2 Pint Can, (Ship. wt. 10 oz.).. **.26**

Sure-Hold Extra-Quality Patch

An extra quality cold patch outfit that insures a satisfactory repair. The outfit consists of patch, a tube of special cement, metal buffer, and complete directions in a can. The patch is of live red rubber and is extra thick and strong. To use just roughen the tube around the puncture with the buffer—spread a thin layer of the cement around the puncture and then scrape it off—apply a patch cut the right size, press it down and the repaired inner tube is ready for immediate use. No waiting to dry—no delay. Makes a strong, permanent repair on inner tubes, tops, rubber boots, garden hose, etc.



- E6346—Sure-Hold Patch outfit, 36 sq. inches. (Ship. wt. 8 oz.)..... **.32**

Vulcanizing Rubber and Cement



Tread Stock is for repairing holes in casings; Combination Stock is for using inside of inner tubes for big holes and slits; Tube Stock is for small punctures in inner tubes. Highest quality pure gum in 1/4 lb. rolls.

- E6296—Tread Stock, 60 sq. in..... **.32**
- E6297—Combination, 96 sq. in..... **.42**
- E6298—Tube Stock 160 sq. in..... **.56**
- E6337—1/4 Pt. can vulcanizing cement..... **.26**
- E6338—1/2 Pt. can vulcanizing cement..... **.26**

Rubber Roughener

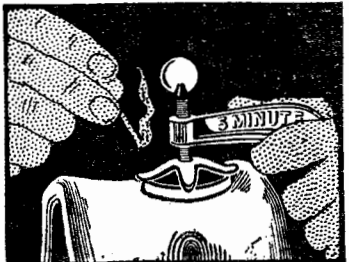


- E6349—Rubber Roughener. (Ship. wt., 8 oz.)..... **.13**

5-Minute Vulcanizer 95c

This Five-Minute Vulcanizer mends all tube punctures perfectly and permanently, making repairs far superior to any cold patch. Heat is produced by burning a non-flaming chemical heating unit. Can be used anywhere in any kind of weather.

Each of the twelve patches furnished with the outfit is complete in itself, consisting of the patent heat unit in a metal container, and the patch of raw rubber attached to the vulcanizing surface of the container. This patch is clamped over the puncture and the heat unit is lighted. In five minutes the repair is done. Only the patch is heated. Anyone can use it; no danger of overcuring. Each outfit includes Vulcanizer and 12 patch units packed in a box.



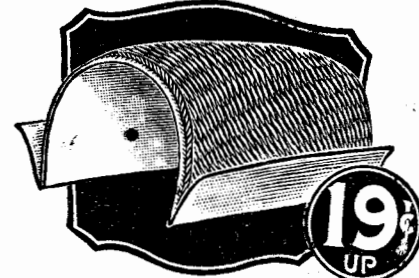
- E6335—Outfit, complete with 12 patches. (Ship. wt., 1 lb.)..... **95c**
 - E6332—Box of 12 Round Patches and Heat Discs. (Ship. wt., 8 oz.)..... **95c**
 - E6331—Box of 12 Oblong Patches and Heat Discs. (Ship. wt., 8 oz.)..... **95c**
- Either Round or Oblong Patches will fit any Five-Minute Vulcanizer.

SELF-VULCANIZING BLOW-OUT PATCH

"IT STICKS—BECOMES PART OF THE CASING"
A special rubber cement spread on the surface of the boot vulcanizes it permanently to the casing. The longer it is used the firmer it holds. Cemented flaps hold patch in place until vulcanized.

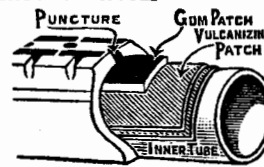
A very strong boot made of genuine tire fabric, which makes it superior to boots built of ordinary light weight material. Low in price but dependable and long wearing service. Average Ship. wt., 12 oz.

- E6379—Self-Vulcanizing Patch for 3 in. Tires..... **.19**
- E6383—Self-Vulcanizing Patch for 3 1/2 in. Tires..... **.21**
- E6384—Self-Vulcanizing Patch for 4 in. Tires..... **.26**
- E6385—Self-Vulcanizing Patch for 4 1/2 in. Tires..... **.28**
- E6378—Self-Vulcanizing Patch for 5 in. Tires..... **.48**
- E6347—Special for 4.40 to 4.95 Tires, extra strong, coated with special cement, no flaps..... **.37**
- E6348—Special for 5.25 to 6.20 Tires, extra strong, coated with special cement, no flaps..... **.39**



Tire Plaster Patch

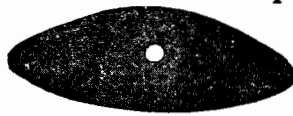
Here is a quick, easy, efficient way of repairing punctures and small blow-outs in your casings, without the expense and delay of vulcanizing them. Has three layers of tire fabric with an upper layer of soft rubber gum.



Simply place a plaster over the hole to be stopped, replace the tube, inflate your tire, and drive off. The pressure forces the soft rubber gum up into the hole and closes it entirely thereby keeping out sand and gravel, while the fabric layers vulcanize themselves to the tire, making it stronger than before. Made in four convenient sizes. Average Ship. wt., 8 oz. Excellent for Balloon Tires.

- E6365—For small nail holes, etc. each..... **.13**
- E6366—For large nail holes and small cuts, each.. **.16**
- E6367—For large cuts, each..... **.20**
- X8819—Assortment, one each of above sizes..... **.28**
- E6368—Special Plaster Patch for balloon tires, 7" x 7"..... **.28**

Valve Base Repair Patch

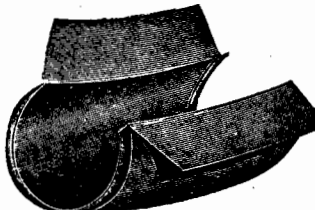


Successful repairing of torn out valve stem holes in inner tubes is practically impossible without this patch, which makes the job easy, quick, and satisfactory. Just insert the valve stem through the hole in the patch and stick the patch to the tube with the cement furnished. Don't throw away damaged tubes; repair them and save money. Ship. wt., 6 oz.

- E6308—Valve Stem Hole Repair..... **.19**

Sure-Hold Blow-out Patches

An extra strong plain patch with flaps. Has 5 plies of fabric with rubber tipped leather edge. Lays smooth in the casing and will not pinch the tube. The flaps are very strong. You should have a flap in your tool box. Ship. wt., 12 oz.



- E6360—Extra Long for 3" Tire..... **.34**
- E6361—Extra Long for 3 1/2" Tire..... **.38**
- E6362—Extra Long for 4" Tire..... **.48**
- E6363—Extra Long for 4 1/2" Tire..... **.52**
- E6364—Extra Long for 5" Tire..... **.65**

Strap-On Boot



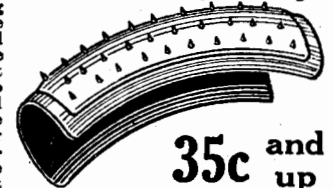
The handiest and quickest boot ever made. Can be used on either front or rear tire on a Ford car, has strong leather straps and

- E6404—For any 3 or 3 1/2-inch Tire..... **.68**

Stick-Tack Blowout Patch

"Get a thousand more miles from badly cut casings"

For use on big blowouts and stone bruises. Will hold firmly where the ordinary blowout patch could do no good. When placed in a casing the sharp points enter the fabric and rubber and hold the lips of the cut close together. The more air in the tire the better—the pressure forces the points in deep. Don't throw away badly cut casings which have some good tread left. Put in a Stick-Tack Blowout Patch and get a thousand more miles. Ship. wt., 8 oz. Our Reduced Price



- E6380—Stick-Tack Patch, 3" and 3 1/2" Tires..... **.35**
- E6381—Stick-Tack Patch 3 1/2" oversize and 4" Tires..... **.48**
- E6382—Stick-Tack Patch for larger Tires..... **.68**

Sta-Put Blow-Out Shoe

Especially Effective on Rim Cuts and Big Blowouts

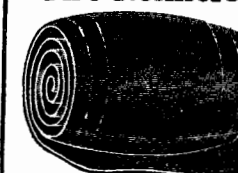
Made from the best grade of casing fabric, extra long to meet all requirements. Will hold a blow-out or rim cut on a straight side casing as well as a clincher. Easy to put on. First lace slack, then draw up to size. Fits cord or fabric tires equally well. Ship. wt. 1 1/2 lbs. Our Reduced Price

- E6405—For 3" tires (length 10 in.)..... **.39**
- E6406—For 3 1/2" tires (length 12 in.)..... **.45**
- E6407—For 4" tires (length 14 in.)..... **.52**
- E6408—For 4 1/2" and 4.40 Balloons (length 16 in.)..... **.58**
- E6409—For 5" and 4.95-5.25 Balloons (length 18 in.)..... **.65**

GENUINE TIRE FABRIC

Reinforce the fabric of your tire, preventing blow-outs, helping stop punctures and letting you wear the tire down almost to reliner. The reliner can be removed and used in another casing. Made of strong tire fabric vulcanized together. Our Champion light-weight reliners are good value, but our heavy weight reliners are much stronger and will give twice as much service.

Tire Reliners



CHAMPION RELINERS (Ship. wt., 3 1/2 lbs.)

- | Number | Size | Price Each |
|--|--------------------------------|------------|
| E6417 | 30x3 | .95 |
| E6418 | 30x3 1/2 | .98 |
| E6438 | 29x4.40 | 1.15 |
| HEAVY WEIGHT RELINERS (Avg. Ship. wt., 5 lbs.) | | |
| E6430 | 30x3 | 1.58 |
| E6431 | 30x3 1/2 | 1.65 |
| E6432 | 32x3 1/2 | 1.75 |
| E6433 | 31x4 | 1.85 |
| E6434 | 32x4 | 1.90 |
| E6435 | 33x4 | 1.95 |
| E6436 | 34x4 | 2.10 |
| E6437 | 30x5, extra heavy (Wt. 9 lbs.) | 3.65 |

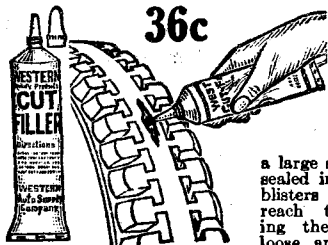
CEMENT FOR RELINER

Although reliners and blowout patches can be used without cement, to get the most service it is advisable to cement them to the casing with our vulcanizing cement. Ship. wt., 8 oz.

- E6337—1/2 pint..... **.17**
- E6338—1/2 pint..... **.26**

Tire Cut Filler

36c



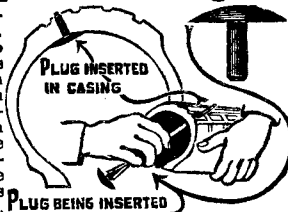
Tire Cut Filler is a heavy rubber putty compound that fills cuts and holes in casings.

The smallest cut in an auto casing will soon become a large sand blister, unless sealed immediately.

Our Reduced Price E6326—Cut Filler (Shipping weight, 8 oz.)..... 36

Casing Repair Rubber Plugs

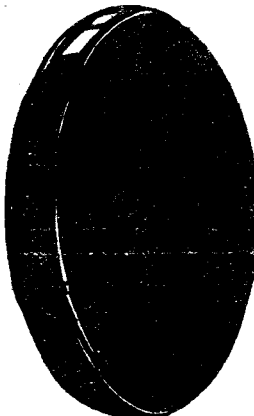
Tire punctures, if neglected, grow larger. Water and dirt get into the holes causing blisters and rotten fabric.



Very easy to install. Cannot come loose—make a permanent repair. Will not chafe inner tube.

Our Extra Quality Tire Covers

Make Spare Tires Last Longer and Look Better



A spare tire will deteriorate unless covered because rain and sunlight "kill" the rubber, causing it to crack and chip.

Made of black imitation patent leather with a beautiful gloss finish. This gives them a very attractive appearance.

Drum tire covers fit either high pressure or balloon tires in sizes shown.

- F6785A—Drum Tire Cover for all 29-inch tires... 1.15
F6787A—Drum Tire Cover for all 30-inch tires... 1.25
F6788A—Drum Tire Cover for all 31-inch tires... 1.30
F6789A—Drum Tire Cover for all 32-inch tires... 1.35
F6790A—Drum Tire Cover for all 33-inch tires... 1.38

Tire Covers—Not Drum Type

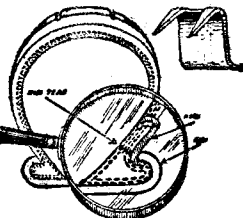
Several makes of cars, notably Chevrolet, have the tail lamp in the center of the spare tire, making it impractical to use a drum tire cover.

- F6780—For 30x3 1/2 tires... 1.95
F6768—For 29x4 1/2 tires... 1.30
F6770—For 31x2.25 tires... 1.30

"Quick-Repair" Rim-cut Hooks

Rim-cut tires can be permanently repaired in a few minutes

At last we have a practical remedy for rim-cut clincher tires. It hooks into the rim and the claws clinch into the tire above the break.



Every motorist having clincher tires should carry a few of these hooks in his tool box and be ready for an emergency.

Endless Tube Protector Flaps

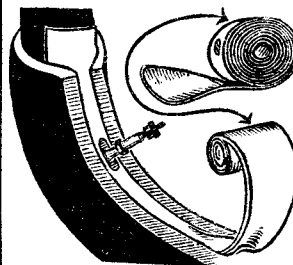
For 30x3 1/2 Cl., 31x4, 31x4.40 Rims

Protects the tube from rotting, chafing and blowout due to water and rust on the rim.



E6310—Endless Flap... 39
E6336—Endless Flap, exactly as described above, except made entirely of rubber... 29

Tire Flaps



Should be used in every tire. Prevents the tube from rubbing on the rough rim and permits it to lay against the smooth surface of the flap.

E6541A—For any size tire, either cord or balloon... 34

Tire Cut Filler Outfit

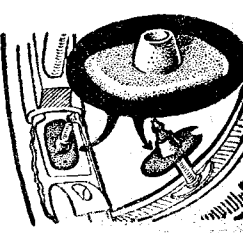
Includes Rubber Putty and Cement

A high-grade outfit for repairing cuts and gouges in casings, thus preventing water, sand and dust from working into the opening and rotting the fabric.

E6345—Complete outfit (Shipping weight, 8 oz.)... 37

Valve Stem Seal Tube Protectors

Prevent tube and flap from rotting and rim from rusting. Keep water, sand, and road-oil out of tires.

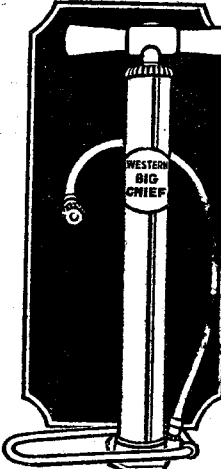


E6300—Set of 5 (Ship. wt., 1 lb.)... 42

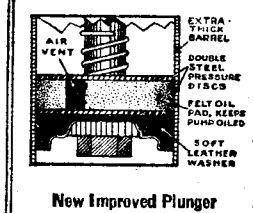
Western "Big Chief" Tire Pump

\$1.40

Fully Guaranteed for 5 Years

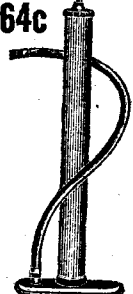


Our Western "Big Chief" pump has many superior features and is sold to you backed by a 5-year guarantee.



Notice in the small illustration of the plunger that it is so constructed that the pump is always kept oiled insuring easy operation, yet oil cannot leak or be sucked by the piston into your inner tubes.

Standard Tire Pump

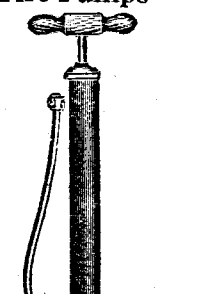


A Good Pump at a Low Price
You will receive more actual service from this pump than from pumps costing over a dollar elsewhere.

E6521—Standard Tire Pump (Ship. wt., 2 lbs.)... 64

Genuine "Rose" Tire Pumps

The "Rose" pump is one of the best known tire pumps on the market. It will fill your tires easily and quickly.



Two sizes, length 21 1/4 inches.
E6504—Size 1 1/2 in., (Ship. wt., 3 1/4 lbs.)... 1.95
E6506—Size 1 1/2 in., (Ship. wt., 3 3/4 lbs.)... 2.35
E6507—Connection from pump to hose at base of pump (will fit most standard pumps) (Ship. wt., 2 oz.)... 12

Pump Hose and Hose Clamps



E6505—Complete with connection that screws on valve... 20
E6507—Screw connection at base of pump (not included with hose in E6505) for most standard pumps (Wt. 1 lb.)... 12
J7697—Hose Clamp 3/8 inch, each 3c; set of 6... 14
J7698—Hose Clamp 1/2 inch, each 3c; set of 6... 15
J7699—Hose Clamp 3/4 inch, each 4c; set of 6... 16

Pump Washers

High grade leather washers for 1, 2 and 3 cylinder pumps.
J7681—1/2-inch... 2c
J7683—1 1/4-inch... 3c
J7684—1 1/2-inch... 4c
J7685—1 3/4-inch... 4c

J7686—2-inch... 4c
J7687—Washer for 1 1/2-inch Rose Pump... 6c
J7688—For 1 1/2-inch Rose Pump... 7c

Pump Tubing

Extra heavy, extra quality rubber tubing for hand and power pumps. Tubing made especially for heavy pressure. Shipping weight, 1 lb. to 5 feet. Our Reduced Price, per Foot.
E6526—3-16" Hole, 3 ply... 8c
E6527—1/4" Hole, 5 ply... 10

Screw-On Pump Connection

Pump connection threaded inside to fit all Schrader valve stems. Well made and will out last the pump. Shipping weight, 4 oz.
J7716—Screw-on Pumpconnection, each 12

Rubber Mallets

High quality rubber mallets for general use around the car. Especially valuable for use in putting on or taking off tires. Noiseless and cannot injure articles hit with it. Head made of medium hard rubber of best quality.
Our Reduced Price
A5232—Length across face 2", Ship. wt., 1 lb.... 45
A5230—Length across face 2 3/8", Ship. wt., 1 1/2 lb... 68

Acorn Pump Connection

Slips over the valve stem; rubber washer grips and holds it secure. Fits any valve; is air tight. Washer will last for months.
Our Reduced Price
J7660—Acorn Pump Connection, (Ship. wt., 4 oz.)... 14
J7661—Rubber Washer Only... 4c

Tire Valve Tool

Threads inside and outside of valve stem; also has key for removing inside core. Should be in every tool box. Ship. wt., 2 oz.
Our Reduced Price
J7714—Tire Valve Tool, each... 15c

WESTERN GIANT TIRE CHAINS

As Good As Money Can Buy

Western Giant Chains are unquestionably one of the best chains we have ever offered. Chain has 18 heavy, oversize, case-hardened cross links, much bigger than cross links used on ordinary chains, brass plated to prevent rust. These insure long service and powerful gripping ability on slippery pavements and roads and in deep mud. Links are designed so as to prevent excessive cutting of tires and undue strain on the lengthwise side-chains. Side-chains are extra heavy. A new improved fastener makes Western Giant chains one of the easiest to put on or take off, yet holds them securely on your tires.

For High Pressure Tires, Either Cord or Fabric			
X8900	.30x3 3/4	16 lbs.	3.95
X8901	.32x3 3/4	17 lbs.	4.20
X8902	.31x4	18 lbs.	4.45
X8903	.32x4	19 lbs.	4.65
X8904	.33x4	20 lbs.	4.90
X8905	.34x4	21 lbs.	4.95

For Full Balloon Tires			
X8827	.27x4.40	15 lbs.	4.55
X8812	.29x4.40	16 lbs.	4.70
X8828	.30x4.75	17 lbs.	4.70
X8824	.29x4.95	17 lbs.	4.95
X8825	.30x4.95	18 lbs.	5.95
X8813	.31x4.95	18 lbs.	4.20
X8834	.30x5.25	19 lbs.	4.55
X8814	.31x5.25	20 lbs.	4.70
X8815	.30x5.77	23 lbs.	4.70
X8826	.32x5.77	24 lbs.	4.95
X8816	.33x6.00	24 lbs.	5.95
X8835	.32x6.20	26 lbs.	5.75



Gripwell Tire Chains

Case-hardened

Have extra strong galvanized steel side chains with heavy brass plated cross links. Lever locking fasteners make this chain easy to put on and take off. Although not so heavy or strong as our Western Giant chains shown above, these Gripwell chains will give you good service for ordinary use. A set in your tool box will save you lots of trouble. Furnished only in sizes shown below.



X8893	.30x3 1/2	Gripwell Chains, Ship. wt. 14 lbs., per pair	2.45
X8890	.31x4	Gripwell Chains, (Wt. 16 lbs.) per pair	3.30
X8891	.32x4	Gripwell Chains, (Wt. 17 lbs.) per pair	3.45

X8892	.33x4	Gripwell Chains, (Wt. 18 lbs.) per pair	3.60
X8893	.29x4.40	Gripwell (Ship. wt. 15 lbs.) per pr.	2.65

Same Size Chains Fit Both Cord and Fabric Tires.

"Quick" Snap-On Emergency Chains

These chains will get your car out of mires; and allow you to cross mud holes safely. Quickly put on or taken off. Chains usually are required only in exceptionally bad places (like river bottoms), where it is almost impossible to put on ordinary chains or where one wheel only spins without making traction.



These will easily get you out. The rubber covered steel roller rides the felloe; the chain, is thrown around the tire and snapped into the hook as shown completely encircling your tire. Done in an instant without

moving your car. Three or four on a tire will get you out of the worst hole. Strong and sturdy with nothing to get out of order yet compact. Ship. wt., 12 oz. each.

X8209	Fits 3 1/2" and 4" Tires, each	.25
X8210	Fits 4 1/2" and 5" high pressure and 4.40" 4.95", 5.25", and 5.30" Balloon Tires, each	.32
X8197	Extra Heavy for 3 1/2" and 4 inch tires, each	.35
X8198	Extra Heavy; much more durable and strong for 4 1/2", 5", and 4.40" to 5.25" tires, each	.46

HEAVY DUTY TRUCK CHAINS

Much heavier and stronger than ordinary chains. Make the most efficient traction and anti-skid device for truck use. Price shown is for pair complete for rear wheels of One Ton Truck. Ship. wt., 30 lbs.

Case-hardened Cross Links			
X8840	For 33x5 pneumatic tires, pr.	6.95	
X8841	For 32x4 1/2 pneumatic tires, pr.	6.25	
X8842	For 30x5 pneumatic tires, pr.	5.95	
X8844	Extra Cross Links for X8841, each, (Ship. wt. 8 oz.)	.11	
X8845	Extra Cross Links for X8842 or X8840, each (Ship. wt., 8 oz.)	.13	

Tire Chain Fastener

Gives even tension to the chain. Allows the chain to float freely around the tire, thereby eliminating main cause of tire bruises and gouging. Prevents chains from striking body and fenders. Will save their cost many times. Made of oil tempered steel wire, rust-proof black finish. Ship. wt., 1 lb.

D6183	For all High Pressure and Balloon tires, per pair	.38
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Emergency Mud Hooks

Have a pair of these Mud Hooks in your car and you can lose all fear of getting stuck. If you get mired, just put one on each rear wheel—they will get you out. Consist of 4 extra heavy, case-hardened, brass-plated cross links held by 2 side bars (stamped to fit the tire) and a strong, weather proofed non-ravel web strap with a stout buckle. They go on in a "jiffy"—just lay them on the tire, wrap the strap around the spoke and buckle it and you are ready to go. Ship. wt., 3 lbs. each.

K8169	For 3 1/2" to 4 1/2" high pressure and 4.40 to 4.95 balloon tires, each	.98
K8170	For any other tire up to 6.75	1.28

SAVE \$5.00 to \$25.00 ON EVERY TIRE

(Depending on the Size)
See pages 2 to 12 for illustration, description and Lowest Tire Prices We Have Ever Offered

All-Steel Jack
73c
A light-weight jack that will stand heavy service. Made entirely of steel of the best quality. Easy to operate. Height 8 1/2 inches, lift 6 inches. For use on any car or truck weighing up to 2000 lbs. Has hinged extension which makes it just right for use with balloon tires on Ford cars. Furnished complete with steel handle. Finished in baked enamel to prevent rust. Lifting bar is made of solid steel—not the hollow pressed steel construction used in some jacks offered by others. Absolutely guaranteed. Shipping weight, 6 pounds.
Our Reduced Price
J7816—All Steel Jack..... 73

Double Screw Jack
SPECIAL FOR BALLOON TIRES
Here is the jack that every balloon tire owner needs. Telescopes so that jack is only 7 inches tall when shortened, but extends to the full height of 16 1/2 inches. As strong and substantial as a solid bar of steel. Lifts a car as easily as you lift this book. Capacity 4,000 lbs.
Works on ball bearings, never gets out of order or requires greasing. Has collapsible handle (as illustrated) 47 inches long. No need crawling under car, you can set the jack by the handle.
J7823—Double Screw (Ship. wt., 12 lbs.)..... 3.45

Atlas Giant Jack
A very strong, easy-working jack. Can be operated quickly. Suitable for any car or truck weighing up to 3000 lbs. Adjustment 8 to 15 1/2 inches. Made of high-grade malleable; very durable. Complete with strong wood handle. Shipping weight, about 6 lbs.
Our Reduced Price
J7818—Giant Jack..... 1.12

Junior Screw Jack
An inexpensive jack suitable for any light car weighing up to about 2000 lbs.; adjustment 10 to 16 inches; strong and durable, one-piece, no parts to get lost; no springs to break; self-locking quickly adjusted. Threads cut deep and wide. Can be knocked about and used roughly without damaging it.
A good value. Ship. wt., 5 lbs.
J7821—Screw Jack..... 79

Heavy Duty Balloon Tire Jack
Built for the car owner who wants a jack that will do quickly, and easily, anything he requires of it, and will stand up under hardest use year after year. Capacity, 4000 lbs.—will lift one wheel on almost any load. Double acting steel screws lift quickly. Housing and gears are malleable iron; all working parts enclosed. Size of base, 5 1/2" x 3 1/2". Height closed, 7 inches; full height, 17 inches. Folding handle of steel tubing, extended length, 36 inches; folded 19 1/2 inches; locks to jack when in use.
H7352—H. D. Balloon Tire Jack (Ship. wt., 11 lbs.)..... 4.85

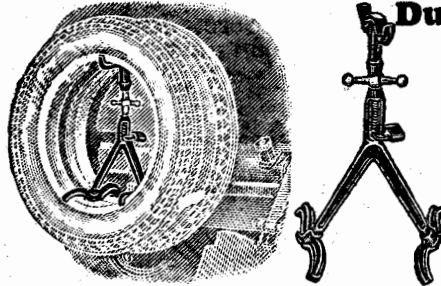
Heavy Duty All-Steel Jack
Actual capacity 4,000 lbs., which means it will lift one wheel on load weighing much more. Made of heavy gauge steel, with extra long cup base. The short handle-stroke and powerful leverage of its 36-inch telescoping metal handle makes easy lifting. Mechanism very simple, just one heavy spring and two over-sized pawls. Height, 10 1/2 in.; lift, 7 in., with adjustable side-step. Will also fit cars with balloon tires from 5.77 up. Fully guaranteed. Wt., 12 lbs.
J7827—Heavy Duty Jack, with handle..... 2.35

Steel Chain and Tire Tool
A heavy tool made of high-grade steel for putting on and tightening tire chains. Loose chains are a constant annoyance and may tear off a fender. With this tool you can easily tighten your chains in a minute. Also makes an excellent tire iron.
Ship. wt., 2 lbs.
D6228—Chain and Tire Tool..... 40

Tire Chain Repair Tool
For removing old broken links and installing new ones. Lets you replace broken cross links without removing chain from the wheel. Takes out old links and puts in new ones in a "jiffy." Drop forged, tempered and accurately machined. Length 9 1/2 inches.
D6166—Chain Repair Tool (Ship. wt., 1 lb.)..... 48

REPAIRS FOR TIRE CHAINS
Don't Throw Away Sets of Chains Because Cross Links are Broken or Side Chains are Worn. Repair Them. Save Money.
REPAIRS FOR SIDE CHAINS
X8833—Continuous Side Chain, sold only by the foot, per foot (Shipping weight, 2 lbs.)..... 12
D6172—Single links for side chain (Ship. wt., 1 oz.) each 3c; set of 6, 16; set of 12..... 30
REPAIRS FOR CROSS CHAINS
Easily and quickly put on. Links are case-hardened and brass plated. Wt., each, 6 oz.
X8817—3 1/2"..... 6c
X8818—4"..... 7c
X8820—4 1/2" & 4.40"..... 8c
X8821—5" 4.95 & 5.25 9c
X8822—5.77 & 6.00..... 9c
X8823—6.20..... 12c

Self-Closing Cross Chain Repair Links
Don't suffer the annoyance and danger of broken links besides the risk of ruining a fender. Have a box of Self-Closing Links in your car. When a link breaks just slip in a repair link and drive off. They close themselves. Done in a "jiffy" and you can't get them on wrong.
D6173—Self-Closing Links, each 2c; Box of 10 (Ship. wt., 8 oz.)..... 18



Duplex Second Spare Tire Carrier

FOR HIGH PRESSURE AND BALLOON TIRES
 This is the best second spare tire carrier we have ever seen. We recommend it as the only one that will give perfect satisfaction. It lets you carry a second spare tire, tube, and rim at the back of the car, out of the way. Holds the tires apart so that they cannot chafe each other and make startling noises. Entirely self-adjusting so that applying or removing it takes only a minute and does not require any tools. It will not come loose and rattle. Does not interfere with tire covers.
 Made of the best materials—light but very strong. Comes with a padlock for locking both spare tires and the carrier against theft. It also is equipped with lugs so that it is an excellent split rim tool. Ship. wt., 5 lbs.
J7895—Duplex, for all High pressure tires, and 4.40 to 4.95 bal. tires, for rims 20" and over. **4.35**
J7896—Duplex, for 5.25 to 6.20 bal. tires, for rims 19" and over. **4.95**

Straps and Strap Loops

High quality straps with buckles for strapping on extra tires, trunks, tents, etc. Ship. wt., 12 oz.
J7852—Web Strap, 1"x36"..... **.24**
K8117—Web Strap, 1 1/2"x 84"..... **.48**
K8118—Web Strap, 1 1/2"x108"..... **.58**
J7853—Ex-quality Harness Leather Strap, 1"x42"..... **.45**
J7854—Ex-quality Harness Leather Strap, 1"x36"..... **.38**
F6701—Strap Loop, 1 1/2-in., (2 oz.)..... **4c**

Hub and Axle Shim

FOR FORD REAR AXLES
 Used to rebuild worn axle shafts and wheel hubs. Saves cost of new hub or axle. Prevents hub bolt nuts from striking brake shoe bolt. Ship. wt. 8 oz.
K8046—Hub and Axle Shim, each..... **6c**

Mica Powder and Tire Talc

Prevents inner tubes sticking to the casing, causing excessive heat on tubes and rotting them. The soapstone answers the purpose under ordinary conditions, but we recommend the Mica Powder, as it will not cake, harden or absorb moisture like soapstone or talc. Put up in cans with sifter top. Average shipping weight, 1 lb.
E6359—Mica Powder..... **.14**
E6358—Tire Talc (Soapstone)..... **.10**

Hub Caps for Popular Cars

Well made of best material. Guaranteed to fit. Ship. wt., each 4 oz.
Our Reduced Price
A5150—Regular Cap for Fords, nickel plated, each..... **9c**
H7186—Hub Cap Wrench, Ford (Ship wt., 1 lb.)..... **.10**
A5166—For Chevrolet, all models, 1923-27, each..... **.16**
C5820—For Dodge, aluminum (Wt., 8 oz. each)..... **.35**
C5804—For all 6 cylinder Essex..... **.35**
C5797—For all Master Six Buicks, 1917-26..... **.68**
C5805—For all Standard Six Buicks, 1917-26..... **.68**

"Red Dot" Hub Caps

These highly polished Hub Caps, with a brilliant Red Dot in the center give added beauty and "class" to a car.
A5144—"Red Dot" Hub Cap for Ford and Chevrolet 490, each..... **.10** set of 4..... **.38**
A5143—For Chevrolet Superior and Model K, V & AA, each..... **.13**; set of 4..... **.48**

2 in 1 Hub Cap

Equipped with special fitting for use with high-pressure Alemite gun. Lets you grease hub in a jiffy without soiling hands or clothes. Made of heavy brass, nickel-plated. Ship. wt., each 6 oz.
A5152—Regular wt., for Ford and Chev. 490 each..... **.36**
A5149—Reg. wt., Chevrolet Superior and model K, V & AA..... **.42**
A5238—Extra Quality, for Chevrolet K, V and AA, made of heavy cast aluminum, nicely finished (Ship. wt., 8 oz.)..... **.65**
A5237—Extra quality for Ford, made of heavy cast aluminum, nicely finished (Ship. wt., 8 oz.)..... **.55**

Extra Spare Tire Carrier

For Ford, Chevrolet, Overland and Star
 For use only on rims with lugs attached. By inserting these 3 special bolts through 3 of the lugs on your regular spare tire rim then slipping the corresponding lugs of your second spare tire rim on them and putting on the nuts you can carry 2 spares instead of 1. Cannot rattle or rumble—holds second spare rigid. Holds tires apart so they can not chafe. Very easy to put on or remove tires. Your regular rim wrench fits the nuts. Set consists of 3 bolts with all nuts and bushings complete.
J7924—Set of 3 for Ford, Chevrolet, Overland, Star, using rims with lugs attached. (Ship. wt., 1 1/2 lbs.) **.72**

Tire Iron and Rim Wrench

A handy tool for prying tires on and off. Also has two hexagon holes 3/8" and 1/2", which fit most popular rim bolt nuts. Length about 14". Ship. wt., 1 1/2 lbs.
H7522—Our Reduced Price, each..... **.19**

"Hi-Power" Tire Iron

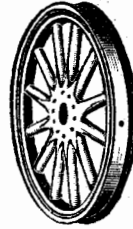
An extra long, extra strong and powerful drop forged tool for taking off and putting on tires. Very stiff, won't bend under even extreme use. Has knurled handle. Nicely finished. Length, 17 inches; shipping weight 2 lbs.
H7178—"Hi-Power" Tire Iron, each..... **.28**

Auto Tool

With this tool you can take care of almost any condition that may arise while driving. It is a spark plug wrench, hub cap wrench, rim wrench, tire tool, pet cock wrench, tire hammer and cylinder head wrench.
 Made of the very best steel, with baked enamel finish. Length about 13". You should have one in your tool kit.
H7190—7-in-1 Tool for Fords. (Ship. wt., 1 1/2 lbs.) **.65**

Flanged Hub Caps for Fords

These classy hub caps with artistically designed flange make a wonderful improvement in the appearance of a car by covering up the unsightly hub bolts. Made of highly polished material specially treated to prevent rust. Cap holds firmly in place. Will fit wood or disc wheels.
Our Reduced Price
C5821—Flanged Hub Caps, Ford, set of 4..... **.95**



Carefully made of best second growth hickory. Finished black. Varnished. Exact duplicate of regular Ford wheels. Ship. weight, of wheels, each, about 27 lbs.
W8409—30 x 3 1/2 Regular Clincher, each..... **2.80**
W8410—30x3, each..... **2.80**
W8401—Demountable wheel without rim or hub; will fit any rim used as standard equipment on Ford cars, also fits Chevrolet 490, and Star; size 30x3 1/2, black finish, each..... **2.75**
W8396—29x4.40 wheel only, without rim or hub (for Ford cars with balloon tires)..... **2.75**
W8403—30x5 wheel only, without hub or rim, for Ford Ton Trucks..... **5.25**
P2825—Hub Bolt and Nut, Shipping wt., 2 oz..... **3c**

Spoke Shims

When your wheels get loose in the spokes, just put in some of these little shims around the dowel of the spoke next to the felloe. This takes up the shrinkage and makes your wheel as good as new. Can be driven in without using the special jack and drift shown, but they are essential for a first-class job.
K8005—Shim only, for Ford, Chevrolet, Overland, Maxwell, and other light cars, (Ship. wt., 8 oz.) dozen..... **.18**
K8006—Shim only, for Buick, Oldsmobile, Dodge, (wood felloe) dozen..... **.20**
K8007—Shim only, for Dodge (steel felloe), Essex, Studebaker, Ford ton truck, dozen..... **.22**
K8008—Ball-bearing spoke jack (Ship. wt., 3 lb.)..... **1.30**
K8009—Setting drift (Ship. wt., 8 oz.)..... **.19**

Screw Type Heavy-Duty Rim Tool

The ideal tool for removing split rims from a tire. Takes the hardship out of repairing tires and makes it easy, so you can make your own repairs and save considerable money. Just place the hooks on the edge of the rim and turn the crank—the rim is contracted to any size you desire. No adjusting, no sudden jerks, no damage to the rim. When you have repaired the tire just put the rim inside the tire and turn the crank in the opposite direction—the rim is pushed back into place. Easy, smooth and strong, a woman or a child can operate it. Breaks a rusty rim easily and quickly. Every car with demountable rims should have one of these tools—especially on long drives or when touring. Well made, strong, durable. Nicely finished. Ship. wt., 10 lbs.
A5180—Screw Type Rim Tool..... **2.28**

FOR SPLIT RIMS Heavy-Duty Rim Tool

A labor-saving tool that should be in the toolbox of every car with demountable rims. Makes tire changing easy. Breaks a rusty, stubborn rim quickly and easily. Very efficient in operation. Breaks, shrinks and expands all makes and sizes of split automobile rims without tool being removed from the rim. Automatically locks rim in shrunken position so that it can be removed from tire and replaced inside tire with ease. Shipping weight, 10 lbs.
Our Reduced Price
A5025—Rim Tool, for any rim..... **2.75**

Rims and Rim Parts FOR POPULAR CARS

Highest quality replacement rim parts. Guaranteed to fit. Ship. wt., each 2 oz.
J7912—Bolt for Ford..... **5c**
J7911—Lug for Ford as illustrated..... **8c**
J7910—Lug for Ford with nut as illustrated..... **12c**
J7913—Nut for Ford, using rim with lugs attached..... **5c**
J7936—Nut for Ford used with J7911..... **5c**
J7938—Spare rim carrier clamp for 1920-25 Fords..... **10c**
J7936—Spare rim carrier clamp, 1926-27 Fords..... **10c**
J7925G—Bolt for Chev., 3 in. long overall..... **5c**
J7912—Bolt for Chev., 2 1/2 in. long overall..... **5c**
J7926D—Nut for Chev., 22-25..... **5c**
J7927E—Wedge for Chev..... **12c**

Rims (Av. ship. wt. 10 lbs.)

X8963—Chevrolet, 30x3 1/2 (31x4) Cl. for all Chevrolet with clincher tires..... **1.18**
X8952—Chevrolet, 30x3 1/2 S.S. for all Chevrolet with straight side high pressure tires..... **1.18**
X8960—Chevrolet, 28x3 1/2 Jaxon, for all '26-27..... **1.18**
X8951—Dodge, all models, 1922-25..... **1.18**
X8951—Essex, all models, 1919-22..... **1.18**
X8963—Ford, all models, 30x3 1/2 clincher, Hayes..... **1.18**
X8964—Ford, all models 29x4.40..... **1.18**
X8955—Ford Ton Truck, 32x4 1/2 (lugs att. to rim)..... **1.18**
X8956—Ford Ton Truck, 32x4 1/2 (lugs not att. to rim)..... **1.18**
X8959—Ford Ton Truck, 30x5..... **1.18**
X8951—Hupmobile, 1920-24..... **1.18**
X8963—Overland 4, 1922-23..... **1.18**
X8952—Overland 4, 1923-24..... **1.18**
X8963—Star, to 1923..... **1.18**
X8952—Star, 1924-25..... **1.18**

Rim Lugs, Bolts, and Nuts

You must specify year, make and model of your car.
J7928—Plain lug (nut not attached) for any car..... **.12**
J7927—2-piece lug (not attached), for any car..... **.20**
J7926—Rim nut for any car..... **.20**
J7925—Rim bolt for any car..... **.50**

High Quality Rim Wrenches

This is a high-grade rim wrench made of heavy steel with knob that turns so that no matter how fast you turn the wrench you cannot blister your hands. Socket sizes are accurate and made to fit. Easy and quick action. Shipping weight, 21 lbs.
J7880—Rim Wrench, 3/8-in. opening (for Fords with wood wheels)..... **.39**
J7881—Rim Wrench, 1/2-in. opening (for Fords with standard wire wheels)..... **.39**
J7882—Rim Wrench, 3/4-in. opening..... **.39**

Rim Lug Wedges

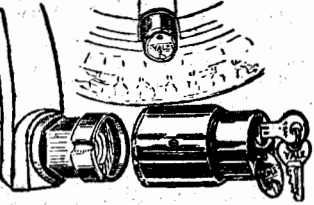
Quickly adjusted to one, two or three thicknesses as may be required to stop the squeaking of the rim and keep the wheel true. Fits all kinds and sizes of rim lugs. Goes on the bolt with lug and cannot lose off. Time and money saved with **Three Wedges in One**. Ship. wt., 1 oz.
B5297—Each, **4c**; Set of 6, **18c**

Special Rim Tool For Split Rims with Lugs Attached

Very easy to operate. Two prongs on arms of tool fit into the two lugs on rim nearest the split. Pulling the free arm of the tool compresses rim for removing from tire and keeps it compressed for replacing. When tire is repaired this tool expands rim back into position. Made of strong material—nothing to get out of order. For 29x4.40 rims with lugs attached to rim.
W8289—Rim Tool (Ship. wt., 3 lbs.)..... **.65**

Cylinder Lock for Most Cars
Sure Protection Against Spare Tire Theft

A special shaped spare tire nut (see illustration) replaces the regular one and the cylinder lock is shipped over this special nut. When the key is removed, it locks the cylinder to the nut but permits it to turn freely on the nut, so that no amount of hammering, turning or meddling will permit a thief to remove the nut. Made of the very best rust proof materials with genuine Yale tumbler lock, with 2 keys. Very sturdy. Ship. wt., 12 oz. **J7759**—For any car with 1/4" S. A. E. spare tire bolt, viz.: Ford with wood wheels, Chevrolet, Chrysler, Oakland, Oldsmobile, Pontiac, Whippet, Willys-Knight and others. **1.95**
J7761—For '26-27 Fords with standard wire wheels. **1.95**

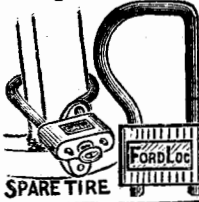


Spare Tire Padlock
With Special Square Shank

Especially adapted to Chevrolet spare tires as well as many other cars. Wrought steel case with rivetless construction—key enters from front. Shackle is case-hardened steel, adjustable from 1/4" to 1 1/4".
A5004—Spare Tire Padlock (Ship. wt., 8 oz.).....**.78**

Lock for 1926-27 Ford Spare Tires

This new padlock has a specially designed shank that fits into the holes of the spare tire carrier lug and around the lowest arm of the spare tire carrier, locking the rim and tire to the carrier. The name "Slaymaker" is your guarantee of highest quality. Has 2 keys.
A5031—Special 1926-27 Padlock (Wt. 8 oz.).....**.98** **SPARE TIRE**



Universal Tire Carrier Locks

Adapted for use on all cars. Will fit 1921-25 Ford tire carrier, also fits the Buick, Overland, Oakland and Chevrolet. Made of heavy cast brass, polished; has 1/4-inch nickel steel shackle, adjustable in length. Comes equipped with two keys. Ship. wt., 8 oz.
A5026—Tire Carrier Lock.....**.95**

Yale "Titan" Lock

Neat in appearance. The brand Yale is a guarantee of quality. Three ward mechanism, with heavy brass-plated steel shackle. Black case with brass plated panels. Complete with 2 keys. Ship. wt., 8 oz.
A5010—1 1/4 inch lock, each.....**.44**

Yale Vigilant

A strong, flat, thin lock which embodies all the worthy features of the Yale products and will give splendid service. Finished in ivory black. Two keys with each lock. Ship. wt., 4 oz.
A5000—1 1/2", price each.....**.26**
A5001—2", price each.....**.36**

Yale Padlock No. 324

A heavy, substantial 1 1/4" padlock at a popular price. Will stand hard usage. Furnished complete with two keys. Sells regularly at about \$1.35. Shipping weight, 8 oz.
Our Reduced Price
A5019—1 1/4" padlock, each.....**.58**

Security Chain & Lock
CASE HARDENED STEEL CHAIN—STRONG RUSTPROOF BRASS LOCK—

The best medium priced chain and lock we have ever seen, and our outstanding value. The chain is case-hardened and of ample strength to withstand a thief. It is encased in a strong leatheroid sleeve to prevent chafing and rattles. The lock is of solid brass, and is rust-proof. In actual tests, hammering, prying and every effort made to open this lock without the key failed. One on your car will make your spare tire almost **Theft-Proof**.
A5044—Security, 36" long (Ship. wt., 3 lbs.).....**1.28**
A5022—Security, 42" long (Ship. wt., 4 lbs.).....**1.28**



Case-Hardened Tire Chain

A high quality chain with heavy case-hardened links, covered with genuine leather. The ordinary tire locking chain can be cut but the case-hardening of this chain will resist. The genuine leather case will stand rough use that cuts imitation leather to pieces. Ship. wt. 2 1/2 lbs.
A5043—Case-Hardened Chain, 36" long.....**.85**
A5023—Case-Hardened Chain, 42" long.....**.85**

Lock and Chain

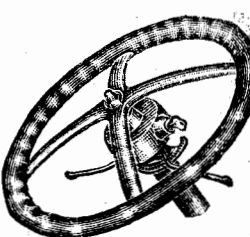
A strong chain, covered with imitation leather, with substantial lock, for locking spare tires; or can be placed around front wheel and steering knuckle to prevent car from being moved or stolen. Shipping weight, 1 lb.
Our Reduced Price
X8683—Chain and Lock complete.....**.72**
A5042—Chain only, 36" long.....**.42**
A5042A—Chain only, 42" long.....**.42**

Spare Tire Locking Cables

These are government artillery harness converted into strong, heavy, durable cables. They are covered with genuine leather which does not cut and tear like leatheroid. The ends are looped and have a strong metal reinforcement. Price does not include padlock. Ship. wt., 3 lbs.
A5013—Cable, 20" long.....**.45**
A5014—Cable, 31" long.....**.65**
A5015—Cable, 42" long.....**.85**

Steering Wheel Lock for Fords

Protect your car from theft and get a big reduction in your insurance rate. Replaces the regular nicked cap on the steering gear housing. Anyone can install it in ten minutes—full instructions furnished. Entirely out of the driver's way but so conveniently located that neglecting to lock the car is almost impossible. Made of the best materials and equipped with a Yale lock, 2 keys. Nicely finished. Will outlast your present car and may be transferred to your next one. Used with our 17-inch steering wheel, this lock not only gives your car safety from theft, but a beautiful appearance.
A5038—Lock Only with 2 keys (Wt., 2 lbs.).....**3.35**
A5131—17-inch Steering Wheel only (Wt., 3 lbs.)...**1.78**
X8617—Lock and Wheel complete (Wt., 5 lbs.)...**4.95**



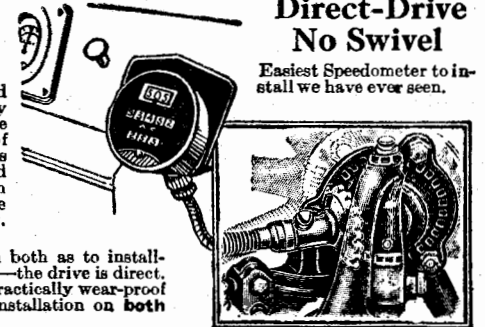
GENUINE

A C SPEEDOMETER
FOR ALL MODEL FORDS AND FORD TRUCKS

Practically all cars except Fords are now factory equipped with Speedometers showing that they are almost universally considered a necessity. They tell you your speed, your gasoline and tire mileage, when to change your oil, and the mileage of your car. The A C Speedometer show speeds up to 75 miles per hour, trip mileage up to 100 miles (easy to re-set), and total car mileage up to 100,000 miles. It fits on the dash with a fitting as illustrated or flush (not illustrated). The name A C is your guarantee of highest quality and absolute accuracy. Looks nice on the dash.

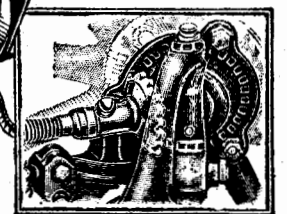
It is the easiest Speedometer to install we have ever seen both as to installing the head and the drive mechanism. It has no swivel joint—the drive is direct. The drive shaft is flexible steel. The whole Speedometer is practically wear-proof and trouble-proof. Comes complete with instructions for installation on both wood and wire wheels. Ship. wt., 8 lbs.

- D5985**—A C Speedometer, complete, for all model Fords **8.75**
- D5986**—Fibre pinion, for cord or fabric tires (20 teeth) ea. **.45**
- D5987**—Fibre pinion for full balloon tires (21 teeth) each **.45**
- D5994**—Drive Shaft and housing complete 6 1/2" (Wt. 3 lbs.)..... **2.25**



Direct-Drive No Swivel

Easiest Speedometer to install we have ever seen.



- DRIVE SHAFTS ONLY**
- D5984**—For Ford, length 6 1/2" (Wt. 1 lb.).....**1.25**
 - D5984A**—For Ford, length 6 3/4" (Wt. 1 lb.).....**1.25**
 - D5984B**—For Ford, length 6 5/8" (Wt. 1 lb.).....**1.25**
 - D5991**—For Chev., length 4 3/4" (Wt. 12 oz.).....**1.05**

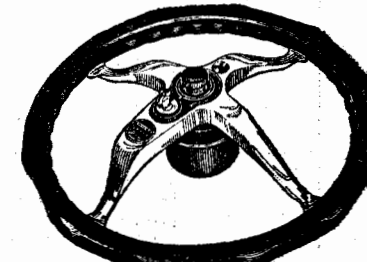
PARTS FOR STEWART SPEEDOMETER

- A5047**—Upper Clutch of Chain.....**.10**
- A5048**—Lower Clutch.....**.10**
- A5069**—Flexible Shaft Complete, 66" long (Ship. wt., 4 lbs.).....**1.89**
- A5068**—Flexible Shaft Complete, 60" long (Ship. wt., 4 lbs.).....**1.89**
- A5054**—Links for Chain, each.....**1c**
- A5050**—Swivel Joint, Right hand (Ship. wt., 1 lb.).....**1.48**
- A5052**—Fibre Pinion high pressure tire (16 teeth).....**.10**
- A5053**—Fibre Pinion for balloon tires, (17 teeth).....**1.25**
- A5051**—Road Wheel Gear, 60-tooth, for high-pressure tires.....**1.60**
- A5058**—Road Wheel Gear, 58-tooth, for balloon tires.....**1.60**
- A5055**—Clamp Swivel Block.....**1.60**
- A5057**—Clamp Arm.....**1.60**
- A5059**—Steering Arm Extension.....**1.60**
- A5060**—Clamp Assembly on arm.....**1.60**

Extra Quality Swivel Joint

Will out wear several regular swivel joints. Has worm gears, 2 grease cups and can be used on either right or left front wheel.
A5056—(Wt. 1 1/2 lbs.).....**2.25**

Lock Steering Wheel FOR FORD AND CHEVROLET

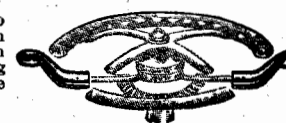


When locked the steering wheel spins freely without moving any other part of the steering gear, and car cannot be driven away. Will earn you a big reduction in your insurance rate. Made of the very best materials. The rim is 17 inches in diameter and is made of genuine polished walnut—the spider is of virgin aluminum—the whole assembly is beautiful and graceful. The locking mechanism is simple and sure—no complicated parts at all, yet is absolutely theft proof. After months of wear this new improved locking mechanism develops no lost motion. Anyone can install one on a car in a few minutes. Shipping weight, 10 lbs.

- A5033**—Locking Wheel for 1923-27 Ford.....**6.95**
 - A5035**—Locking Wheel for 1923-26 Chevrolet.....**7.85**
- Will Not Fit 1927 Chevrolet.

Throttle Extensions

Make it easy to reach the throttle on a Ford even when an oversize steering wheel is used. Made of heavy metal. Ship. wt., 2 oz.
J7652—Throttle Extensions, each.....**1.15**



Special License Plate Bolts

These little nicked bolts with special lock washer, plain washer, and wing nut allow you to put on your new license plates quickly and easily so that they will not rattle or come loose. Just the right length. Can be used from year to year. Comes bolt, nut, and lock washers complete.
A5020—Special License Plate Bolt, each.....**5c**
Set of 4.....**.18**

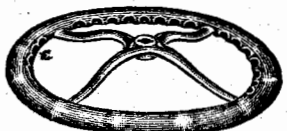
Adjustable License Plate Frame

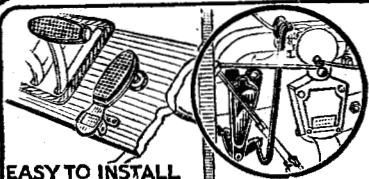
Dress up your state license plates with these adjustable aluminum frames. Made of pure aluminum, highly polished; good year after year. Will fit any size plate, and you can use it for years, even if license plates vary in size and shape from year to year. Attached by anyone in a moment's time—all you need is a screw driver. Furnished with brass screws for attaching. Shipping weight, 12 oz.
Our Reduced Price
C5564—License Frame, each.....**1.78**



17-Inch Steering Wheel for Ford

Spider is made of die cast aluminum and has genuine walnut corrugated rim. Well made and beautifully finished. Gives a firmer grip, easier steering, and adds greatly to the appearance of the car. Very easy to install, so well made that no fitting is necessary. Can be installed in 10 minutes. Made of the best materials throughout. Ship. wt., 3 lbs.
A5131—17-inch Oversize Steering Wheel.....**1.78**





New Fulton Foot Accelerator

The best looking, best constructed foot accelerator for the Ford car that we have ever examined, even those selling at several times our reduced price. Extremely simple in construction (only 3 parts) making it very easy to install and very easy to operate. All moving parts are nickel plated. The foot pedal is large and comfortable; has corrugated rubber center with handsomely nickel plated metal frame. Easily installed on any model Ford—only one small hole to make in the floor board—simple instructions furnished. Why drive your car any longer without the safety, comfort and economy of a foot accelerator. Include one in your order. Ship. wt., 2 lbs.

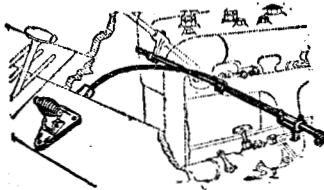
EASY TO INSTALL

OUR REDUCED PRICE
85¢

PEDAL PADS
A set of pedal pads with a Fulton accelerator makes the foot work on your Ford car much easier and safer.
D5952—Set of 3, 1926-27. **.45**
See next page

B5456—Fulton Accelerator, complete for all model Ford cars.85

Williams' Accelerator for Ford Cars

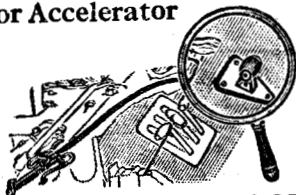


One of the highest grade accelerators made. Has an improved spring action, which is entirely independent of the hand throttle, allowing it to be operated just as easily as before attaching the accelerator. New roller type foot pedal operates smoothly and is easy on the foot. Very simple construction. Complete instructions on every box. Ship. wt., 2 lbs.

D6005—Williams for use with regular Ford Carburetor.**.88**
D6009—Williams for use with Holley Vaporizer.**.88**
D6006—Extra wire for above.**.65**
D6007—Extra Pedal for D6005 or D6006.**.65**

Williams Junior Accelerator

Very similar to accelerators shown above, except that it clamps on the regular carburetor pull rod instead of replacing it. Simple, and easy to install. Well made and durable. Ship. wt., 1 1/2 lbs.



D6056—For Ford with regular carburetor. **1.28**
D6008—For Fords with Holley Vaporizers. **1.28**

Rubber Accelerator Pedals FOR POPULAR CARS

For replacement on foot accelerators of Chevrolet, Maxwell, Overland, Star, Oldsmobile, and other cars, as well as Bull-Dog Accelerators for Ford. Won't slip, won't wear shoe; more comfortable for foot. (Ship. wt., 8 oz.)

D6017—Rubber Accelerator Pedal for 1/4" rod. **.22**
D6018—Rubber Accelerator Pedal for 5-16" rod. **.22**

Adjustable Foot Rest

Easily adjusted for use on any car. Can be set at any height by simply turning the adjusting nuts. Finished in dull nickel. Provides relief from the driving strain of long trips. Shipping weight 2 lbs.

D6016—Adjustable Foot Rest. **.29**



Starter Button Extension

For Ford Cars with Starters

The regular starter button on Ford cars is set so that starting is often difficult. Our Extension slips right over and clamps onto the regular button and extends it upward so that starting is easy.

The top is corrugated so that the heel will not slip off. (Ship. wt., 6 oz.)
C5652—For all model Ford open cars. **.24**
C5653—For all model Ford closed cars. **.24**



Genuine "Bull-Dog" Accelerator



This is the genuine "Bull-Dog" foot accelerator, almost too well-known to require an introduction. With the new improved rubber covered pedal, mat binder and non-slip foot rest it is better than ever before. Works independent of the hand throttle. Easily put on. Fully guaranteed. Shipping weight, 2 lbs.

D6011—Bull-Dog Accelerator for all model Fords. **1.19**

Root Accelerator Driving Set

Consists of one of the smoothest-acting, most positive and trouble-free accelerators we have ever seen, together with a comfortable accelerator pedal and a complete set of clamps on pedal pads. Accelerator and pedal pads match exactly, adding to the appearance. Made throughout of the very best materials. Ship. wt., 2 lbs.



D5956—Set complete, for Fords with 14 style carburetor. **.90**
D5957—Set complete, Fords with Holley Vaporizer. **.90**
D5950—Accelerator only, complete with pedal, for Fords with old style carburetor. **.65**
D5951—Accelerator only, complete with pedal, for Fords with Holley Vaporizer. **.65**
For Pedal Pads Only, see Page 25.

Accelerator Foot Rest FOR ALL CARS

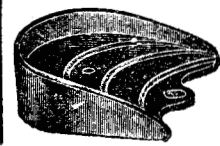
Enables you to drive for long periods without foot strain. Also enables the driver to feed the gas evenly regardless of how rough the road is. Made of solid aluminum, shipping weight, 3 lbs.

D6996—Foot Rest, Universal Type, each. **.85**

Foot Accelerator Pedal

Large and comfortable. Has corrugated rubber center with strong metal rim. Feeds much more steadily than ordinary pedals, does not tire the foot, nor wear out shoes so badly. Very easy to install—wear-proof and trouble-proof. Will fit practically all cars.

D6014—Accelerator Pedal (Ship. wt., 1 lb.). **.35**



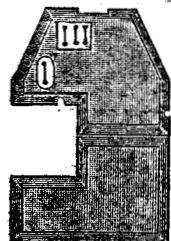
Accelerator Heel Rest

Prevents foot from slipping and causing uneven flow of gas. Also prevents the heel from wearing a hole in the floor mat. Made of aluminum, highly polished. Will not rust or tarnish. Extra large size, to fit any heel. D6004—Each (wt., 4 oz.) **.28**

Rubber Floor Mats

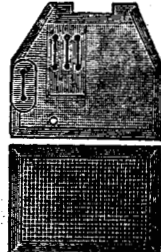
FOR ALL CARS

Extra quality, long-wearing rubber mats, guaranteed to fit.



Front mats are made to fit close around the pedals as shown in illustration, to keep out the cold draft in winter and the engine heat in summer. These are heavy, substantial mats and should not be confused with the light-weight open-type mats offered by some at slightly lower prices. Shipping weight, 5 lbs.

F6650—For front of Ford Touring or Roadster, 1915-23. **.75**
E6657—For front of Ford Touring or Roadster, 1924-25. **.75**
E6549—For front of Ford Touring or Roadster, 1926-27. **.78**
E6551—For rear of Ford Touring, 1915-23 (size 28x30 inches) **.60**
E6552—For rear of Ford Touring, 1924-25. **.60**



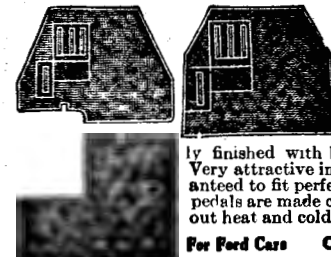
E6552—For Ford Coupe, 1916-23. **.85**
E6559—For Ford Coupe, 1924-25. **.85**
E6548—For Ford Coupe, 1926-27. **.85**
E6559—For front of Ford 4-door Sedan, 1923-25. **.85**
E6563—For front of Ford 4-door Sedan, 1926-27. **.95**
E6545—Front of 1924 Chevrolet Tour. & Road. **1.15**
E6546—Front of 1925 Chevrolet Tour. & Road. **1.15**
E6542—Front, 1925 Chev. Coupe, Sedan, Coach. **1.15**
E6547—Front of 1926 Chevrolet Tour. & Road. **1.15**
E6543—Front, 1926 Chev. Coupe, Sedan, Landau. **1.15**
E6544—Front, 1926 Chevrolet Coach. **1.15**

EXTRA QUALITY UNIVERSAL RUBBER MAT FOR ALL CARS

Don't pay the outrageously high prices you are usually asked for a rubber mat for your car. Our Universal Mat is of extra quality, tough, non-blooming, black rubber with non-skid points. Made oversize with extra wide border so you can trim it to the size your car requires. Size 38 1/2" long by 43" wide. Ship. wt., 8 lbs.

E6560—Universal Rubber Mat for all cars. **2.65**

Carpets for Ford Cars

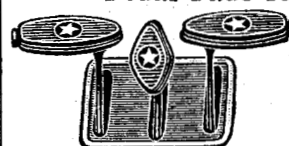


Made of good quality Auto Carpet material and neatly finished with binding all around. Very attractive in appearance. Guaranteed to fit perfectly. Openings for pedals are made close fitting, to keep out heat and cold.

For Ford Cars Our Reduced Price

F6751—Ford Coupe, 1916-23, (wt. 3 lbs.) **1.66**
F6767—Ford Coupe, 1924-25, (wt. 3 lbs.) **1.66**
F6633—Ford Coupe, 1926-27. **1.66**
F6753—Rear Tonneau, Ford Touring, 1909-25. **1.66**
F6766—Rear Tonneau, Touring, 1926-27. **1.66**
F6752—Ford Tudor Coach, 1915-23, (wt. 4 1/2 lbs.) **1.66**
F6739—Ford Tudor Coach, complete to '25 (5 lbs.) **1.66**
F6700—Ford Tudor Coach, 1926-27, complete. **1.66**
F6740—Front, Ford 4-door Sedan, '23-25 (3 lbs.) **1.66**
F6680—Front, Ford 4-door Sedan, 1926-27. **1.66**
F6748—Rear, Ford 4-door Sedan, '23-25 (2 1/2 lbs.) **1.66**
F6650—Rear, Ford 4-door Sedan, 1926-27. **1.66**

Pedal Pads for Fords



Prevent feet from slipping off pedals at critical moments. Add ease and comfort to the feet, by absorbing jars and vibration.

Pad consists of a soft durable pad of ridged non-blooming rubber held in a stamped steel frame which attaches to the pedal by strong metal clamps. Will not come loose. Set includes 3 pads, one for each pedal. (Ship. wt., 10 oz.)

D5958—Set of 3 for 1926-27 Ford (illustrated). **.45**
D5954—Set of 3, 1909-25 Ford (not illustrated). **.29**

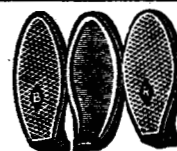
Pedal Pads for Chevrolets AND OTHER POPULAR CARS



You will be delighted with the added ease, comfort, and driving control these pads give. Absorb jars and vibration, save shoes, and prevent feet slipping from pedals at critical moments. Made of molded rubber composition, held in a steel frame which has 3 steel tabs. Hook on 2 tabs, bend the other around pedal, and pad is on to stay.

D5952—Set of 2 Pedal Pads for Chevrolet, Buick, Chrysler, Dodge, Durant and Oldsmobile (Ship. wt., 1 lb.). **.45**

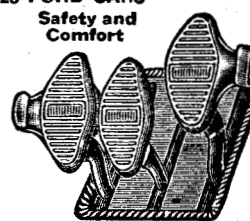
Slip-on Rubber Pedal Pads For Ford 1909-27



A lighter weight pedal pad that slips over pedals and is held by an extension on edge. We advise using a little cement when putting on these pads. Ship. wt., 1 lb.

F6734—For 1909-25; set of 3. **.26**
F6734A—For 1926-27, set of 3. (Not illustrated.) **.26**

No-Slip Pedal Extensions FOR 1909-25 FORD CARS

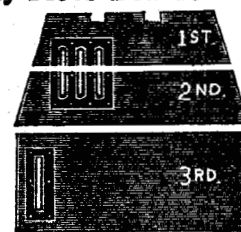


Almost double the width of the pedal. The thick corrugated rubber pads and the side guards make them comfortable and non slip. Made of rubber with a rigid metal backing to give strength. Easy to attach—just put them on pedals and tighten special clamp with a screw driver. Set consists of pads with extensions for clutch and brake and plain pad to match for reverse.

F6733—Pedal Extensions Set (Ship. wt., 1 lb.). **.78**

Super Quality Floor Boards

Don't try to get along with split or damaged floor boards. They may cause you a serious accident. Our Super Quality Floor Boards are made of three-ply best quality hardwood material and are far superior to ordinary boards. Will last as long as the car. Are an exact fit. Attractively finished. Furnished complete with metal floor board plates.



Ford Touring and Roadster 1915-25

F6755—Front or First Floor Board. (3626-C) 2 lbs. **.48**
F6756—Middle or Second Floor Board. (3627-C) 2 lbs. **.48**
F6757—Rear or Third Floor Board. (3628-B) 6 lbs. **.69**

Ford Coupe and Sedan 1916-25

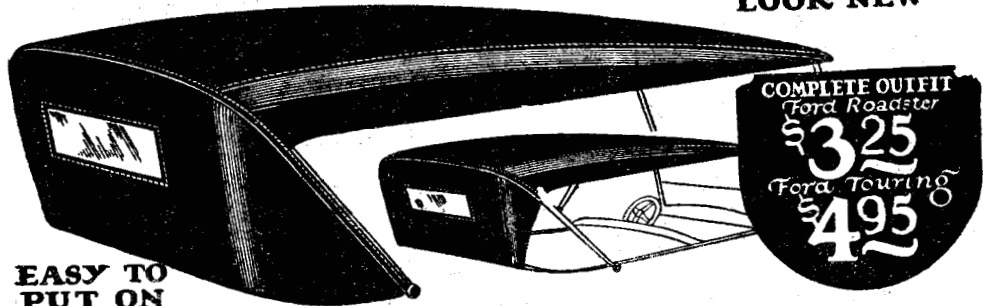
F6742—Front or First Floor Board. (9495-X) 3 lbs. **.48**
F6743—Middle or Second Floor Board. (9496-X) 3 lbs. **.48**
F6745—Rear or Third and Fourth Floor Board fastened together. (8169-X) Wt. 7 lbs. **1.45**

For All Models, 1926-27 Fords

F6708—Front, or First board (45331X) 2 lbs. **.45**
F6710—Middle or Second board (45332X) 2 lbs. **.45**
F6711—Rear, Third and Fourth boards fastened together. (45333X) Wt. 6 lbs. **1.28**

28 Standard Quality Recovers FOR FORD CARS

MAKES OLD TOPS LOOK NEW



EASY TO PUT ON

If your top has become torn or shabby in appearance, or leaky, you can quickly and easily restore its efficiency and appearance, yourself, by installing one of our Ready-Made Recovering outfits. Just remove the old covering and tack the new one in its place. Anyone with a hammer can install one of our Recoverers in a short time. Adds greatly to the appearance and comfort of the car and greatly increases its value.

Made of heavy 32-oz. standard quality black rubberized top material. Outfit comes complete, including roof,

FOR FORD TOURING

Shipping weight 10 lbs.

- F6628—1914 to 22, Plain back curtain..... 4.95
- F6632—1914 to 22, Gypsy back curtain..... 5.35
- F6630—1923 to 25, Gypsy back curtain..... 5.35

Note: If your top pads are old and have lost their shape it is best to replace them with new ones. See the bottom of this page.

back curtain with 6"x18" heavy celluloid light, and all necessary tape and tacks ready to slip right on your car. Carefully made and guaranteed to fit perfectly on the old bows. Furnished in two styles—with plain back curtain shown in the small illustration or with gypsy style back curtain shown in the large illustration.

It is only by big volume on these top Recovers and our direct-from-factory-to-car-owner method of distribution that we are able to offer this high quality Recoverer at such a low price.

FOR FORD ROADSTER

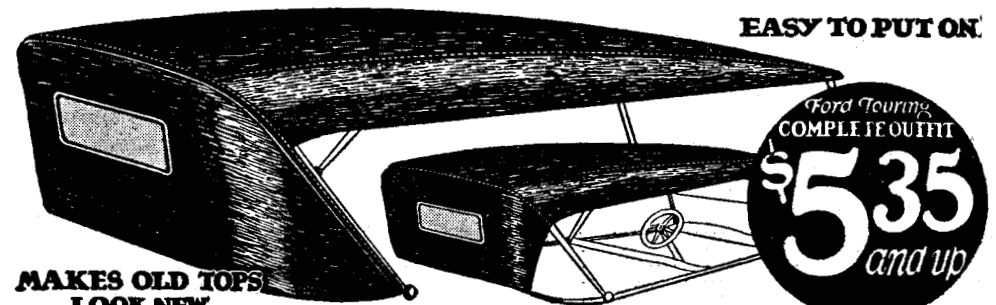
Shipping weight 6½ lbs.

- F6622—1915 to 22, Plain curtain..... 3.25
- F6631—1923 to 25, Gypsy back curtain..... 3.78

COMPLETE OUTFIT
Ford Roadster
\$3.25
Ford Touring
\$4.95

Better Quality Top Recovers EXTRA HEAVY LONG GRAIN MATERIAL

EASY TO PUT ON



MAKES OLD TOPS LOOK NEW

Ford Touring
COMPLETE OUTFIT
\$5.35
and up

There is nothing will add so much to the value and appearance of your car as one of our Better Quality Long Grain Top Recovers. You can quickly and easily put it on yourself at about one-half the ordinary cost of a new top. The strong heavy material stretches smoothly over the bows and fits perfectly, leaving no wrinkles.

Made of extra heavy durable long grain leatheroid—the same material that is used in the tops of high priced cars. They will look better, fit better, wear longer, and retain their neat appearance longer than recovers made of lighter and cheaper materials. The recovers which have glass lights are made of drab back leatheroid and are equipped with a special reinforcement which tacks to the rear bow and carries

the weight of the glass preventing the back curtain from sagging or becoming torn. The glass is full 6"x18" with a strong metal frame which bolts into the back curtain and the reinforcement. It is far superior to celluloid because it allows you a clear view behind the car and does not become yellow and brittle.

Furnished complete with roof, rear curtain, and all necessary tape and tacks, ready to slip right into place. Guaranteed to fit perfectly.

Furnished in two popular styles back curtains. The gypsy style shown in the large illustration, or the plain style shown in the small illustration.

In ordering be sure to give year and model of your car. It will prevent mistakes.

FOR FORD CARS

FOR FORD TOURING (Shipping weight 15 lbs.)

- G7041—Touring 1914-22; PLAIN back curtain with one 6"x18" CELLULOID rear light..... 5.00
- G7042—Touring 1923-25; GYPSY back curtain with one 6"x18" CELLULOID rear light..... 5.00
- G7030—Touring 1914-22; GYPSY back curtain with one 6"x18" GLASS rear light..... 6.00
- G7031—Touring 1923-25; GYPSY back curtain with one 6"x18" GLASS rear light..... 6.00
- G7095—Touring 1926-27; GYPSY back curtain with one 6"x18" GLASS rear light..... 6.00

FOR FORD ROADSTERS (Shipping weight 8½ lbs.)

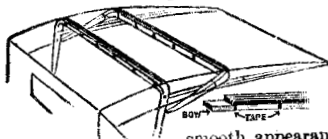
- G7043—Roadster 1915-22; PLAIN back curtain with one 6"x18" CELLULOID rear light..... 3.95
- G7044—Roadster 1923-25; GYPSY back curtain with one 6"x18" CELLULOID rear light..... 4.45
- G7032—Roadster 1915-22; GYPSY back curtain with one 6"x18" GLASS rear light..... 4.45
- G7033—Roadster 1923-25; GYPSY back curtain with one 6"x18" GLASS rear light..... 4.45
- G7087—Roadster 1926-27; GYPSY back curtain with one 6"x18" GLASS rear light..... 6.00

BETTER QUALITY TOP RECOVERS FOR ANY OTHER CAR

In ordering be sure to give make, year and model of your car.

- X8618—Chevrolet 490 touring..... 6.85
- X8619—Chevrolet 1923-24 touring..... 7.05
- X8616—Chevrolet 1925-1926 touring..... 7.05
- X8654—Dodge touring..... 11.95
- X8655—Maxwell touring..... 12.35
- X8656—Overland 4 touring..... 11.95
- X8657—Any make roadster, Gypsy style..... 10.95
- X8633—Any 5-passenger car not shown..... 12.95
- X8634—Any 7-passenger car not shown..... 13.95
- F6624—Extra quality top pads, drab, for any roadster, per pair, (Ship. wt., 4 lbs.)..... 1.65
- X8636—Extra quality top pads, drab, for any 5-passenger touring, per pair (Ship. wt., 5 lbs.)..... 2.45
- X8637—Extra quality top pads, drab, for any 7-passenger touring, per pair (Ship. wt., 6 lbs.)..... 2.65

Auto Top Protectors for Open Cars FOR ALL OPEN CARS



Attach to the top cross bows and prevent the top from wearing thin and breaking where it rubs on the bows, gives the top that full smooth appearance. Consists of a reinforced strip of soft high grade felt, attaches to the cross bows by five elastic bands, fastened with button snaps. Anyone can put them on in a few minutes. Top does not have to be dismantled or disturbed in any way.

Length, 42 inches; width 1½ inches. Set consists of two complete protectors. Ship. wt., 12 oz. J7735—Extra Quality Protectors, drab, set of 2..... .68

J7732—Extra Quality Protectors, black, set of 2..... .68

Regular Weight Top Protectors

These top protectors do the same work as No. J7735 but they have no reinforcement to rest on the cross-bow and instead of elastic bands and button snaps they attach to the bows by tacks. Length, 41 inches; width, 1½ inches. Ship. wt., 8 oz. J7739—Regular Weight Protectors, set of 2..... .35



Top Quarter-Pads for Ford Cars



Extra quality quarter-pad for replacing torn or soiled pads when installing a new top recover. Add greatly to the finished appearance of the pads generally offered but not heavily padded with cotton liners and jute and strongly reinforced. Ship. wt., pair 4 lbs. F6623—Black, for Ford touring, pair..... 1.58

- F6624—Drab, for Ford touring, pair..... 1.58
- F6625—Black, for Ford Roadster, pair (Ship. Wt. 3 lbs.)..... 1.98
- F6627—Drab, for Ford Roadster, pair (Ship. wt. 3 lbs.)..... 1.98

Top Materials

First quality heavy 34-oz. rubber cloth top material, suitable for recovering tops, patching, repairing, etc. Can be sewn like cloth. Also fine for making waterproof covers for autos, camp outfits, trunks, etc.

Comes 54 inches wide. Sold only by lineal yard. Ship wt. per yard 3½ lbs.

top material like original top

on Ford open cars, per yd..... .78

X8797—Long-grain finish, drab back like top material used on practically all larger open cars, per yd..... .78

63 INCH CLOSED CAR TOP MATERIAL

Extra heavy, flexible long grained leatheroid. Best quality double texture.

F6629—Top material 63 in. wide (Ship. wt. per yd. 4 lbs.) per yd..... 1.20

Top Webbing for All Cars

A strip of this material stretched from front to back bow on each side of your top will prevent your top cover from sagging, and keep it looking snug and neat. Best quality webbing. Will not stretch. Webbing 2" wide standard for Fords, Ship. wt., yd., 4 oz.

- F6758—Top Webbing, 1½" wide, black, per yard..... 1.00
- F6759—Top Webbing, 1½" wide, drab, per yard..... 1.00
- F6754—Top Webbing, 2" wide, black, per yard..... 1.14
- F6738—Top Webbing, 3½" wide, black, per yard..... 2.20
- F6739—Top Webbing, 3½" wide, drab, per yard..... 2.20

Bow Covering Material for All Cars

Best quality cloth for recovering automobile top bows when original material is worn or torn. Comes in strip 5½ inches wide. Fastens around bow with tacks. Easy to put on. Furnished in black or drab to match top cover.

- F6735—Bow Covering Material, drab, per yd..... 8c
- F6736—Bow Covering Material, black, per yd..... 8c

For Upholstery Tape and Tacks See Page 31

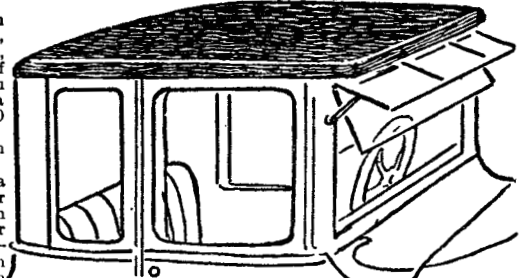
EXTRA QUALITY TOP RECOVERS FOR CLOSED CARS

For Ford, Chevrolet, Hudson, Essex

If the top of your coupe, coach, or sedan is torn and leaks replace it with one of our One-Piece, Closed Car Recovers. Save yourself discomfort, protect your health, and prevent the upholstery of your car becoming discolored and rotten. You can quickly and easily put it on yourself (it is a short, interesting job) and save yourself from \$5.00 to \$10.00, besides having a top of excellent appearance and durability; and securely and neatly put on because you have done it yourself.

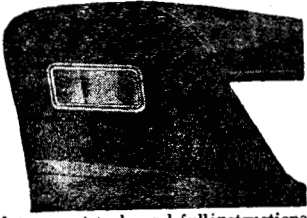
Our Closed Car Top Recovers are made of extra quality, heavy, long-grained leatheroid, far superior to ordinary top materials. They are all in one piece, and ready to slip right on over the old cover or to replace it entirely. One piece—no seams or joints to leak. Comes complete with necessary binding and tacks. Don't put up with the annoyance of a leaky top and don't pay an exorbitant price to repair it. Order one of our recovers today.

- F6721—For Ford and Chevrolet Coupe, 1919-27, size 57½-57 inches. (Ship. wt., 8 lbs.)..... 2.45
- F6724—For Tudor Sedans, 1915-27, size 83x57 inches. (Ship. wt., 10 lbs.)..... 3.35
- F6724A—For Ford Fordor Sedan and Chevrolet Coach, size 85x57 inches..... 3.45
- F6722A—For all model Chevrolet Sedans 4.15
- F6621—For Essex and Hudson Coach (Ship. wt., 10 lbs.)..... 4.15



"Gypsy" Rear Curtains for Fords

A high-grade back curtain with "Gypsy" side extensions, as used on the 1923-27 Ford and practically all large cars. Has one 6x18-inch glass curtain light with frame. Extra well made from heavy rubber cloth that will match the regular Ford top.



Comes complete with tape and tacks and full instructions so anyone can put it on quickly and easily. Ship. wt., 6 lbs.

- F6636—For 1915-22 Touring..... 1.98
- F6634—For 1915-22 Touring..... 1.98
- F6633A—For 1926-27 Touring..... 1.98
- F6637—For 1915-22 Roadster..... 1.98
- F6635—For 1923-25 Roadster..... 1.98
- F6632A—For 1926-27 Roadster..... 1.98

Rear Curtain for Fords

Well made of heavy rubber cloth similar to new Ford top, with extra quality celluloid light, size 6x18 inches. Comes complete with tape and tacks for attaching. Easily installed.

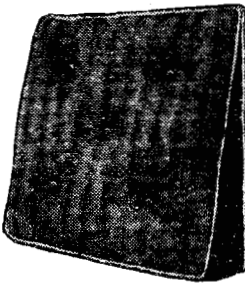


- F6642E—For 1913-1922 Touring. Ship. wt., 3 lbs. 1.98
- F6640E—For 1915-22 Roadster. Ship. wt., 2 1/2 lbs. 1.98
- F6643—For 1923-25 Touring Gypsy. Ship. wt., 3 lbs. 1.98
- F6641—For 1923-25 Roadster Gypsy. Ship. wt., 3 lbs. 1.98

De Luxe Driver's Cushion

Extra Soft and Resilient, Extra Long Life

Rests the small of the back on long trips, makes reaching the pedals easier for women, furnishes a welcome relief from hot, hard, sticky cushions, makes an ideal picnic or boating cushion. Covered with very thick, strong, durable seat cover material with pleasing stripe design. Edges and sides of leatherette. Filled with special down (Kapok) which will not lump, or lose its shape and softness. Tufted and sewn with 5 buttons. Much cooler, softer, and durable than ordinary cotton filled cushions.



B5471—De Luxe Back Cushion (Ship. wt., 3 lbs.)..... 1.65

Driver's Back Cushions

Add to Driving Comfort.

Wedge-shaped made of heavy long grained leatheroid. Stuffed with a high grade downy material that gives excellent service.

Tufts are sewed in with black upholstery buttons, not only giving it a beautiful appearance, but preventing it from losing its shape. Excellent for women drivers or persons of small stature, making it easy to reach the brakes and clutch.

- B5499—Cushion, 14 1/2" x 14 1/2"..... 98
- B5470—Extra Large Cushion, about 16 1/2" x 16 1/2"..... 1.58

"Comfy" Seat Cushion

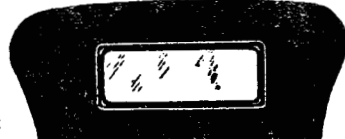
A well-made, inexpensive seat cushion that can be used in many ways to make driving and camping and boating more comfortable. Sit on it, use it for a back rest, or for a pillow. Made of rubberized cloth, stuffed with hair. Very serviceable. Holds its shape well. Ship. Wt. 3 lbs.



B6491—"Comfy" Cushion..... 88

Glass Rear Curtain Lights FOR POPULAR CARS

Replace torn worn-out celluloid curtain lights with these smart glass lights. Protect from weather as well as adding greatly to the appearance of your car. Add safety to driving, as they give you a clearer rear view. Will outwear celluloid several times. Will not tear or sag curtains.

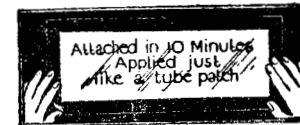


Glass fits present openings. Made with strong metal frames, beautifully black enameled, one on the outside and one on the inside. They clamp tightly together to curtains with small screws. Quickly and easily attached. A screw driver is the only tool necessary. Carefully packed, complete with screws for attaching. Shipping weight, 4 lbs.

- F6659—Set of Two Lights, 1923-24 Fords. Size 7 1/2" x 11 in., outside measurement of frame..... 42
- F6658—Set of Three Lights 1917-22 Fords. Size 6 1/4" x 11 in., outside measurement of frame..... 42
- F6657A—Glass light 1925-27 Fords. Size 6x18 in. also fits Chevrolet, Dorr, Durant 4, Gardner and Star..... 42
- F6679—Extra glass light, Glass only, for Ford sets. State exact size of glass when ordering. Each..... 10

Sticktite Rear Curtain Light For 1925-1927 Fords

Applied to the rear curtain in the same manner that an ordinary tube patch is to a tube. Quickly and easily installed. Adheres firmly. Lighter than glass replacement light and more weatherproof than the clamp-on kind.



F6620—Sticktite Rear Curtain Light, 1925-27 Ford, size about 6 1/2" x 18 1/4" (Wt., 8 oz.)..... 57

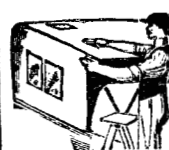
Top Straps for Ford Cars



Complete with fittings. (Shipping wt., 8 oz.)

- F6697—Front Top Strap, each..... 16
- F6698—Rear Top Strap, each..... 23

Stick-Tite Top Patch Strips For Open and Closed Cars



For repairing holes, breaks or rips in tops, side or back curtains. Under surface has cement coating protected by thin sheeting. Applied similarly to an ordinary tube patch. Full instructions. Shipping weight, 4 oz.

- F6707—Pebbled Top Material Strip, each 5x9 in..... 28
- F6709—Pebbled Top Material Strip, 6x18 in..... 72
- F6705—Pebbled Top Material Strip, 2x36 in..... 28
- F6703—Long grain leatheroid strip, 3x12 inches..... 28
- F6704—Long grain leatheroid strip, 6x18 inches..... 72
- F6706—Long grain leatheroid strips, 2x36 inches..... 58

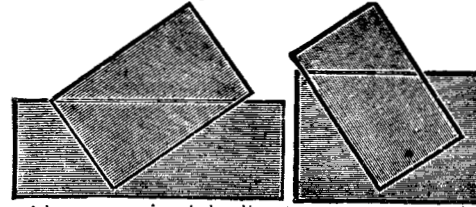
Waterproof Glue and Top Patch For Patching Tops, Tents, Etc.

A wonderfully effective waterproof glue, for patching canvas or fabric goods, wood, crockery, or in fact anything around the house or garage except rubber. Outfit consists of 1/2-pint can of glue and strip of treated fabric about 3x12 in., for use in patching auto tops, etc. Absolutely guaranteed. (Ship. wt., 1 lb.)



- G7096—Glue Outfit complete, with black fabric..... 39
- G7097—Glue Outfit complete, with drab fabric..... 39

Curtain Lights For Ford Cars



A broken curt. in window light is very unsightly, and it is quite a task to cut celluloid and sew in the light. These with special fasteners furnished can be put on in a few minutes. Ship. wt. 4 oz.

- F6651—Replace back curtain light for 1917 to 1922 cars; size 6 1/4" x 10 3/4" inches (three needed), each..... 20
- F6649—Replace back curtain light for 1923-24 cars; size overall 7 1/2" x 10 inches, (two needed) each..... 20
- F6656—Replaces back curtain light for 1925-26 cars, size overall about 6 1/4" x 18 in., each..... 38
- F6653—Replace large side curtain light for 1914 to 1925 cars; size about 7 1/2" x 11 in.; each..... 38
- F6652—Replace side curtain light for 1915-1926 cars; size overall about 10 1/2" x 14 1/2" in., each..... 38
- F6654—Replace side curtain light for 1914 to 1922 cars; size overall about 7 x 11 inches..... 22

Extra Quality Celluloid



Extra heavy clear celluloid strictly first quality full 12 1/2 gauge. Save one-half by inserting the celluloid yourself.

- W8402—Size 12x20 in. (Weight 8 oz.)..... 36
- W8402B—Size 24x20 in. (Weight 1 lb.)..... 63
- W8402C—Size 50 x 20 (Wt. 2 lbs.)..... 1.12
- W8402F—Competition Grade, size 50"x20" (Wt., 2 lbs.)..... 89

Upholstery Tape

For renewing the binding on cushions, back of seats, doors, etc., wherever tacks hold fabric. Our tapes are of good quality.

- F6692—Tape, with cord in edge, 25 foot roll..... 29
- F6693—Tape, plain flat, 25 foot roll..... 29

Hide-The-Tack Tape and Tips

Has two rolls which are separated when tack is driven, then allowed to come together and cover up the tack. Make a beautiful job. This tape is extra quality in every detail.

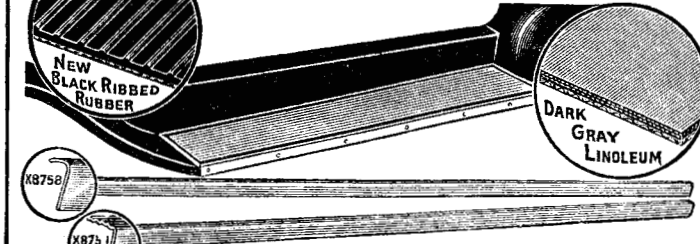
- F6681—Hide-the-Tack Tape, per yd. (Ship. wt., 3 oz.)..... 9c

- F6682—Japanned Fancy Metal Tips to cover the end of tape, per doz..... 19
- F6683—Japanned Fancy Metal Corners to cover the corners of tape, per dozen..... 19

F6681



RUNNING BOARD LINOLEUM AND METAL STRIPS

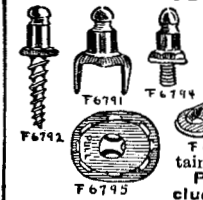


You can brighten up the whole appearance and add to the value of your car by renewing the linoleum and the metal strips on the running board. Our linoleum is dark gray, standard thickness, cleans easily, lasts well, and is not affected by grease or oil. The new black ribbed rubber running board covering is very popular because it furnishes an excellent foot hold, it will not curl up and rot, is not affected by water,

and its jet blackness makes a much better appearance than linoleum. Our metal strip (moulding) is highly polished aluminum and is furnished only in 6 foot lengths.

- X8760—Black Ribbed Rubber, 13 inches wide, per lineal foot. (Ship. wt., ft., 1 lb.) Per foot..... 29
- X8758—Aluminum Moulding (Metal Strip), plain, 3/8" x 1 1/2", 6 ft. length each (Wt. 2 lbs.)..... 48
- X8761—Aluminum Moulding (Metal Strip), corrugated, 3/8" x 1 1/2", 6 ft. length, each (Wt. 2 lbs.)..... 48
- F6687—Nails for attaching moulding to wood, package of 25..... 15
- F6687A—Rivets for attaching moulding to metal, package of 25..... 15

Lift Dot Type Curtain Fasteners



Lift Dot is the standard line of automobile curtain fasteners used by leading automobile manufacturers. They snap together and lock securely on their three sides but release easily by simply lifting on the lower side, the one with the "Dot." Put on like any other curtain fastener in a few minutes.

Prices of fasteners do not include eyelet that clamps on curtain which is listed separately, F6795. Ship. wt., ea., 2 ozs.

- F6791—Clinch type, each..... 3c
- F6792—Wood Screw type, each..... 3c
- F6796—Wood Screw type for double curtain..... 3c
- F6793—Two Screw type (less screws)..... 4c
- F6797—Two Screw type for double curtain..... 4c
- F6794—Machine Screw type..... 4c
- F6795—Eyelet for any of above types..... 3c
- F6715—Screws for attaching F6793, per dozen..... 7c

Curtain Fasteners



Black enamel finish, styles as shown. Prices of fasteners do not include eyelet, which is listed separately. Ship. wt., 1 oz.

- F6712—Clinch type, each..... 3c
- F6714—Two Screw type, regular, each..... 3c
- F6716—Two screw type (long, for holding double curtain), each..... 3c
- F6712—Screw type, each..... 4c
- F6717—Eyelet with washer as shown..... 3c
- F6715—Screws for attaching to bow, dozen..... 7c
- F6744—Hook, with round hole for fastening curtain to windshield..... 2c
- F6747—Hook, with square hole for fastening curtain to windshield..... 2c

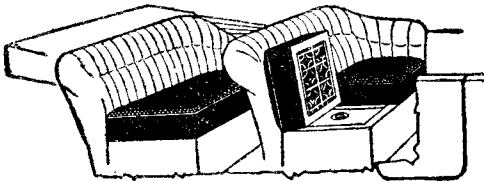
Tacks



These tacks are well made, good quality, and will fill practically every need. Ship. wt., 8 oz.

- F6685—1/2" Plain trimmer tacks, pack of 200..... 10
- F6694—1/2" Japan finish round-head tacks, pack of 50..... 8c
- F6702—3/4" Japan finish round-head tacks, pack of 50..... 11

Replacement Seat Cushions
FORD TOURING CARS AND ROADSTERS



These cushions are an exact replacement in size and shape for your old cushions, but for comfort, durability, and pleasing appearance they are far superior. After riding on one you will be surprised at the added comfort there is in these cushions.

The frame is extra heavy, with strong cross braces of steel. The coiled springs are extra strong and resilient and are securely held by a net work of steel wires, which also serves as an extra support for the well padded, hair-filled leatherette top. Sagless and practically indestructible. Ship. wt., about 18 lbs.

TWO-PIECE CUSHIONS

For front seats. Make the gas-tank under the front seat more accessible. Driver does not have to leave his seat to fill the tank. Can be sent by mail.

- W8348—Complete (2 halves), 1909-21 open Ford cars 4.98
- W8353—Complete (2 halves), 1922-25 open Ford cars 4.98

REGULAR ONE-PIECE CUSHIONS

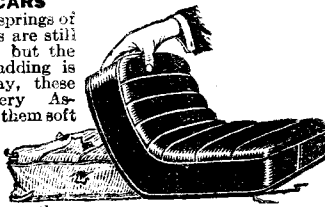
Same size and shape as your old cushions. Cannot be sent by mail.

- W8347—For Front, 1909-21 Ford open cars 4.65
- W8349—For Rear, 1909-21 Ford open cars 4.65
- W8352—For Front, 1922-25 Ford open cars 4.65
- W8354—For Rear, 1922-25 Ford open cars 4.65

Cushion Re-Upholstering

FOR FORD CARS

If the frame and springs of your seat cushions are still in good condition but the leatheroid and padding is torn or worn away, these Cushion Upholstery Assemblies will make them soft and comfortable again, restore their good appearance and keep you from tearing clothes on them.

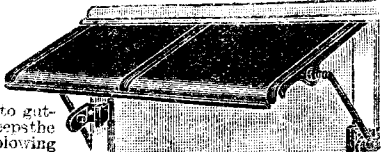


Made of high grade leatheroid, heavily padded, with a draw string that gathers under the springs and insures a smooth, tight, secure fit. Ship. wt., each 8 lbs.

- G6988—For Front Cushion, Touring and Roadster, 1915-21 2.15
- G6989—For Front Cushion, Touring and Roadster, 1922-25 2.15
- G6990—For Rear Cushion, Touring, 1915-25 2.20

Superior All-Metal Visor

Made entirely of metal electrically welded. Front edge is rolled into gutter which keeps the rain from blowing back on windshield. Finished in beautiful black enamel baked on. Three reinforcements prevent buckling or rattling. Universal brackets adjustable to any angle. Easily attached and practically indestructible. Comes complete with all necessary fittings and screws for attaching. Shipping weight, 7 lbs. In ordering, give year and style of car.



- X8539—All-Metal Visor, for any car except Ford open models prior to 1923 1.98

CUSHION UPHOLSTERING ASSEMBLY for Ford Cars



Made of high grade cushion material and packing that is of extra quality and will not get hard and lumpy. Comes tufted with

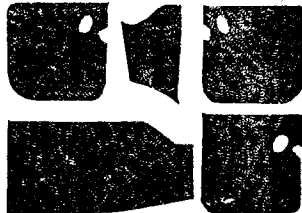
black buttons, complete with packing, tacks, and tape ready to put on. Can be put on by anyone in a few minutes and will make the inside of your car look

like new. Furnished for 1915 to 1925 cars only. Shipping weight, each, about 7 lbs. Our Reduced Price
W8391—Complete assembly for front seat of Ford Touring cars 1915-25 and Ford roadsters 1915-25 3.95
W8392—Complete assembly for rear seat of Ford touring 1915-25 4.10

Super Quality Fibre Door Panels

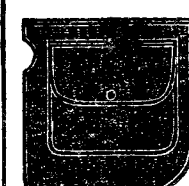
For Open Model Ford Cars 1915 to 1925

Our Super-quality door panels are made of a special hard fibre which will outwear several sets of the ordinary "cardboard" door panels and still retain their good appearance. Openings for door handles are metal bound. Because of their strength they are more easily put on and hold much



- more firmly. Ship. wt., 1 lb. Our Reduced Price
- F6760—Left front panel, each33
 - F6761—Right front side panel door to dash12
 - F6762—Right front door panel26
 - F6763—Right rear door panel26
 - F6764—Left rear door panel98
 - F6765—Complete Set for Ford touring car, (3 lbs.)65
 - F6766—Complete Set for Ford roadster, (3 lbs.)65

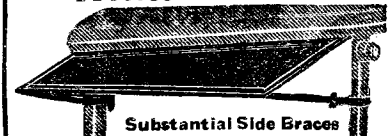
Door Pockets for Ford Open Cars



A handy place to keep things where they can be easily found. Made of good strong artificial leather; has large pocket, reinforced with heavy cardboard to give strength and neat appearance. Fastens to door with upholstery tacks. Ship. wt., 1 lb.

- FOR OPEN CARS, 1909-1925
- F6666—Right Front, each56
 - F6667—Left Front, each56
 - F6668—Right Rear, each56
 - F6669—Left Rear, each56

"Protector" Leatheroid Visor



Consists of a frame made of strong steel rods, neatly covered with dark artificial leather.

Special brackets permit easy adjustment by simply loosening two wing nuts and when adjusted the visor will not rattle or come loose. Can be put on by anyone in a few minutes; a screwdriver being the only tool needed. Will fit any open or closed car, except Ford open models prior to 1923. State make, year and style of car.

- W8404—Visor, complete, (Ship. wt., 6 lbs.) 1.98

Upholstery Cleaner

For Upholstery, Clothing, Cushions, Etc.



Often grease, paint, or oil marks will mar the appearance of otherwise perfectly good upholstery, cushions, or clothing. Our Cleaner will quickly remove these marks, without harming the fabric in the least so that the fabric looks new and fresh again.

- G6834—1/2-pint can (Ship. wt., 12 oz.)42

Window Curtains for Closed Cars

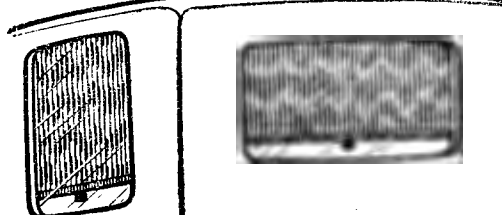
Made of Fabrikoid which is waterproof and far superior to the "Silk" commonly used for auto curtains. Will not fade, rot or tear, is cleaned by use of soap and water. Curtains have pull tabs and metal guide rods instead of flimsy cords at sides to hold curtains in place. Roll up like regular window shades. Protect from sun and add to the comfort and appearance of the interior of the car. Ship. wt., 3 lbs.

Prices shown are for complete curtain, roller and guide.

- D6143—Curtain 33 1/4" wide by 24" long. For side windows of Ford Tudor Coach. Also fits side window of Buick, Cleveland, Chandler, Dodge, Jewett, Maxwell, Nash, Oakland, Oldsmobile, Studebaker and Velie Coaches; and rear window of Durant, Maxwell, Studebaker and Velie Coaches; and Hupmobile Coaches, each 1.65

- D6142—Curtain 30 1/4" wide by 24" long. Fits side windows of Chevrolet, Essex, Hudson, and Overland Coaches; and rear windows of Buick 2-door Coupe, Jewett Coupe, Essex, Hudson and Nash Coaches; Ajax, Hupmobile Club, Packard, and Jewett Sedans, each 1.65

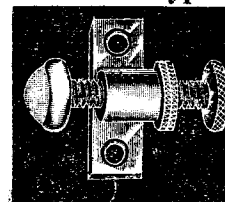
X9042—Curtain for any car not listed above, either Fabrikoid or Poplin. (Give make, year and model of car) 2.85
Any of the above curtains can be furnished in "Silk" Poplin if so desired at the same price (Ship. from factory)



- D6140—Curtain 13 1/2" wide by 24" long for side window Ford Coupe, 1916-26 also fits side window of Dodge and Jewett Coupes; and Studebaker Country Club, Willys-Knight, Page, and Studebaker Broughams, each 1.20

- D6141—Curtain 26 1/2" wide by 24" long. For Rear window all Ford Coupes, Ford Sedans and Ford Tudor Coach. Also fits side windows of Dodge and Moon Sedan; and rear window of Buick 1925-26 Coupe; Overland Coach, Overland and Willys-Knight Sedans, each 1.55

Screw Type Window Silencer



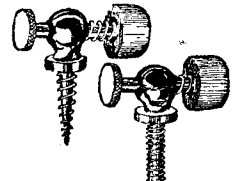
FOR CLOSED CARS

Made of brass, nickel plated, with rubber cap on end that sets against glass window. A knurled head screw makes it easy to tighten. The bracket screws to side of window. When screw is set prevents rattling, vibration and broken windows in closed model cars.

- B5266—Each (Ship. wt., 4 oz.) 10

Snap Type Window Silencer
FOR WOOD AND METAL SILLS

You can stop those rattling windows on your car in about 10 minutes with these snap type silencers. Just attach them to the window sills so that the rubber pads rests against the glass. The coiled springs behind the pads presses the glass tight against the felt window lining. Just can't rattle. May be locked back to permit the opening or closing of the windows. Well made and neatly nickel finished. Ship. wt., each 2 oz.



- B5267—Silencer for wooden sills, each16
- B5265—Silencer for metal sills, each16

Closed Car Door Straps

Strong, substantial leather strap, complete with metal loop at each end, to check doors of closed cars from swinging too far open and damaging the finish. Length, 8 inches.

- F6699—Strap, complete as shown (Ship. wt., 8 oz.)22

Rubber Door Straps

Regular replacement straps of corrugated chocolate colored rubber. Length about 7 inches.

- F6626—Rubber Door Straps (Ship. wt., 1 lb.) each19

Flower Vases
FOR ALL CLOSED CARS

Beautiful flower vases are very ornamental to the interior of a closed car. The tops of our vases are rounded making them splash proof. The brackets are strong and heavily nickel plated to prevent rust. Can be removed from brackets. Ship. wt., 1 lb.

- B5268—American Beauty Vase with flowers78
- A5165—Crystal Vase, finished inside so that it appears to be beautiful silver plate, about 7 inches high48

Closed Car Whisk Brooms

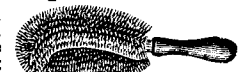
A very handy little whisk broom about 7 inches long and 5 inches wide. Made of the best broom straw and shaped so as to make cleaning of corners and joints around cushions more easy. Handle and broom are sewed with steel wire. This makes it a very sturdy broom that will last a long time.



- G6866—Whisk Broom (Ship. wt., 10 oz.)35

Loop-Style All-Purpose Brush

This is a dandy little brush to have in the car, to brush off your clothes; to brush the upholstery, or for anything where a sturdy, stiff-bristle brush is needed. Twisted wire construction, tampico bristles, hardwood handle, convenient shape. Length about 10 inches.



- G6897—All-Purpose Brush (Ship. wt., 1 lb.)25

"Coach-Comfort" Shock Absorber Springs

Try these comfort-making springs on your car at our risk. They certainly make riding in the front seat of a coach much more comfortable, besides eliminating noise and rumble. You have to try them to realize the big difference they make.



They replace the old stiff legs and form soft, resilient pads that absorb the annoying little shocks and jars as well as big bumps. Very easy to install and will last as long as the car. Order a set for your car today. Put them on and try them 10 days and if you are not entirely satisfied,

- return them and we will refund your money.
- B5277—Set of 4 Springs for Ford Tudor Coach. (Ship. wt., 2 lbs.) 1.45
- B5278—Set of 4 Springs for any other Coach. (Ship. wt., 4 lbs.) 2.25

Arm Rests for Closed Cars

A great comfort for driver or passenger. Almost indispensable on long trips. Handsomely upholstered in substantial imitation leather, with thick-piled high grade filler. Black enameled brackets about 4 inches long. Can be put on in a minute. Ship. wt., 2 lbs.



- E6597—Arm rest59

68c Bevel Edge Mirror

The best mirror we have seen at anywhere near this price. Heavy pressed steel brackets with baked black enamel finish. Sturdy joint, with quick, easy, positive adjustment at any angle—no vibration. Glass is high grade plate. The silvering on this mirror is guaranteed not to chip or peel and should not be confused with mirrors which do not carry this guarantee.

Size $2\frac{1}{2} \times 7$ "



#3—Bevel Edge Mirror (Ship. wt., 1 lb.)..... **.68**

47c Frosted Edge Mirror

Made of good clear crystal about $\frac{1}{4}$ -inch thick, free from flaws and with a non-peel silvering. The edge is frosted to prevent optical illusions. The bracket is of strong stamped steel and is adjustable to suit the user. It holds firmly in the position set to and will not rattle. Has a very good appearance.

Size $2\frac{1}{2} \times 6$ "



A5145—Frosted Edge Mirror (Ship. wt., 1 lb.)..... **.47**

Two-Way Dual Mirror
PLAIN AND NO-GLARE STYLES

The very latest in mirrors. Consists of two adjustable mirrors each $4\frac{1}{2} \times 2\frac{1}{2}$ " which attach to the car by the same bracket. The mirrors can be set in dependently of each other to any angle desired. Made of beveled plate glass and the silvering is guaranteed not to chip or peel. Bracket extra strong to prevent rattling or vibration. Ship. wt., 3 lbs.

A5153—Regular Two-Way Mirror..... **.98**

No-Glare Mirrors

Just like A5153 except one mirror is plain, for use during the day; the other is darkened, for use at night, to prevent the blinding glare of headlamps behind your car. Adjusted instantly.

A5164—No-Glare Dual Mirror..... **.98**

A5173—Supreme quality No-Glare Dual Mirror, size of each mirror $2\frac{1}{2} \times 6$ ". Made of genuine French plate, $\frac{1}{4}$ " thick..... **1.95**

98c Security Beveled Mirror

A beautiful mirror and the most convenient size and shape to give a broad, clear vision. Made of clear plate glass and backed with a special silvering that is guaranteed not to chip or peel. The bevel edge prevents optical illusions. The beautiful nickel plated bracket is extra strong and prevents vibrating. It has a ball joint which allows adjustment to any angle, yet holds the mirror firm.

Size $2\frac{3}{4} \times 8$ "



A5147—Security Mirror (Ship. wt. $1\frac{1}{2}$ lbs.)..... **.98**

A5154—Superior Mirror, size $2\frac{3}{4} \times 8$ ". Made of finest plate glass with the popular rounded pencil edge. Backing guaranteed not to chip or peel. (Ship. wt. 2 lbs.)..... **1.38**

Round Rear-View Mirrors

Many persons prefer this type mirror, which clamps to the side windshield frame. They show objects natural size. Adjustable to any angle.

A5120—4" Round..... **.89**

A5122—5" Round Bevel Plate..... **1.95**

A5127—Special Mirror, for trucks, 6" Round..... **1.18**

A5130—Extra bracket, 2 1/2 inches long, to fit A5127, for use on trucks with extra large body..... **.48**

"Play Safe" Outside Mirror


At last! A practical outside mirror for closed cars. Even tho you have a mirror inside, you need this outside mirror to give a clear vision of cars about to pass you. Attaches to most cars by means of a special hinge pin on the upper door hinge, on other cars with a special bracket furnished. Very easy to install. About 4 1/2" diameter, extra quality plate glass with stout metal frame and backing. Bracket is very strong. Finished in ebony with nickel trimming.



A5138—"Play Safe" Mirror. (Ship. wt., 1 lb.)..... **1.45**

Moto Explosion Whistle

Installed in place of a priming cup in motors which have priming cups. Otherwise it is connected to a special adapter or spark plug extension. Utilizes the explosion pressure and makes a very loud, sharp sound. It is practically indestructible and will last indefinitely with no expense for operation. The valve is made of cast bronze and bowl of whistle is polished cast aluminum. Every part is high grade material and nicely finished.




B5451—Whistle only, as shown (Ship. wt., 2 lbs.)..... **1.28**

B5448—Whistle with $\frac{1}{2}$ " adapter (Ford size)..... **1.48**

B5450—Whistle with adapter for $\frac{3}{8}$ " plug..... **1.48**

"Alert" Steering Post Horn Button

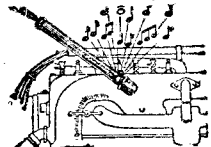
No matter what part of the top of this button you strike, your horn sounds. Replaces the nut that holds the steering wheel, making it very handy. The top is of special rust-proof composition, and the whole button is well built and extra quality. Complete with wires.



B5436—"Alert" Horn Button (Ship. wt., 10 oz.)..... **.39**

Mocking Bird Exhaust Whistle

Warns but does not offend. Soft and distinct tone. It screws into the exhaust manifold and extends upward. The valve is controlled by a cord. A slight pull gives a low soft, warning, while a sharp jerk on the cord will make you "jump out of your hide." By varying the pull on the cord you get eight different tones and with a little practice you can almost "moo the mocking-bird."



B5452—Mocking-Bird Whistle, (Ship. wt., 2 lbs.)..... **.75**

Steering Post Horn Button
For Ford, Dodge, Essex and Chevrolet Cars

Replaces the nut that holds the steering wheel and puts your horn button right in the center. Comes with enough wire to attach to regular equipment. Anyone can install it in a few minutes. Beautifully nickel-plated, well-made. Shipping weight, 8 oz.



C5740—For Ford and Dodge cars..... **.22**

C5741—For All Model Chevrolet..... **.32**

C5737—For Essex..... **.30**

Universal Horn Bracket


Fits practically all cars. Fastens on cylinder head bolt. Strong and heavy. Ship. wt., 4 oz.



B5435—Universal Horn Bracket each..... **.22**

Horn Button and Throttle Extension

Clamps on throttle lever, easier to reach to control the gas and puts horn button in a convenient place. Highly polished, nickel-plated finish. Strong and substantial. Ship. wt. 8 oz.



C5739—Horn Button and Extension for Ford..... **.41**

Western Giant Motor-Driven Horn

This is undoubtedly the best horn value we have ever offered. It is made for us by one of the oldest manufacturers of warning signals. Workmanship and material are of the very best, and every horn is carefully made and assembled under expert supervision.

Attractive in design, and has a loud, clear, "road-getting" sound that is audible for a great distance. The sound is produced by the rotation of an electric motor against the horn diaphragm, so that the quality of the tone can be varied by a simple adjustment.

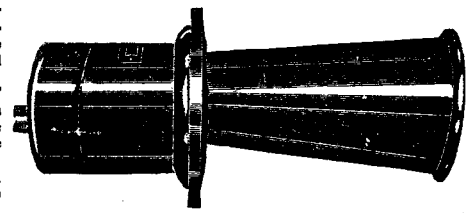
Nicely finished in durable black enamel. Comes equipped with bracket, either for mounting on dash or on engine head bolt. Shipping weight, 6 lbs.

B5431—6-volt, with dash-mounting bracket... **3.65**

B5439—6-volt, with motor-mounting bracket.. **3.65**

B5432—12-volt, with motor-mounting bracket.. **3.65**

\$3.65 For Any Car



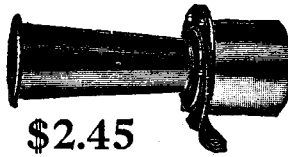
Commander Motor Driven Horn

A motor-driven horn, with true motor-horn warning tone. A well-known standard motor horn, sold under our own brand, B5433 and B5438 operate from 6-8 volt storage battery or four to six dry cells. B5434 operates from 12-volt storage battery. Furnished in black enamel, with torpedo type tapered projector. Substantially made of high-grade material and will not easily get out of order. Complete with bracket. Positively cannot jar loose. Length over all, about 12 inches. Satisfaction guaranteed. Shipping weight, 5 lbs.

B5433—6-volt, with motor-mounting bracket; fits all cars except those with overhead valves. **2.45**

B5438—6-volt, with dash-mounting bracket... **2.45**

B5434—12-volt, with motor-mounting bracket... **2.45**



Genuine KLAXON Horn

KLAXON

Genuine Klaxon quality throughout. High frequency vibrator type, giving a smooth, stinging note of remarkable volume and penetrating power. Finished in baked-on black enamel. Length 11 1/2 inches. Furnished with bracket for mounting on motor. Ship. wt., 3 1/2 lbs.

B5430—Klaxon Horn for 6-volt only..... **3.35**

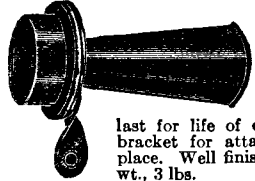
\$3.35



Electric Vibrator Horn

Same horn as is now used as regular equipment on Ford cars with starter. Gives loud warning signal. Cannot get out of adjustment. Requires no oiling or other attention. Will last for life of car. Comes complete with bracket for attaching to motor in regular place. Well finished in black enamel. Ship. wt., 3 lbs.

B5437—Electric Vibrator Horn, 6-volt..... **1.38**




Deep-Tone Horn

Gives that low mellow honking note that does not frighten yet is so commanding. It is new and the most effective ever devised. Warning is persuasive and definite but can be plainly heard for a long distance. Tone can be adjusted. Adds a new delight to your car. Beautiful in design and finish—high lustre enamel. Simple and sturdy in construction—made of the best materials—built so it will last. No complicated parts to get out of order. Designed and made by one of the largest horn manufacturers in the world. Length 15 inches. Ship. wt., 7 lbs.

B5443—6-volt with Motor-mounting bracket.... **4.65**

B5444—12-volt with Motor-mounting bracket.... **4.65**



Horn Push Button

Used with electric horns of all kinds. Clamps to spoke of steering wheel or can be attached to any flat surface by removing clamp. Shipping weight, 4 oz.



C5742—Each..... **.32**

Universal Push Button

Top is movable, so that the contact is made when it is compressed at any point. Finished in beautiful black enamel. Ship. wt., 4 oz.



C5792—Universal Push Button..... **.24**

GENUINE "AERMORE" EXHAUST HORNS
"The Horn with the Locomotive Toot"

Adds a new delight to driving your car. It is constructed of four brass tubes, heavily nickel plated, which produce a compelling signal that is always audible even above the din of congested traffic—can be heard several blocks away. The Aermore warns, but does not frighten. It's tons is the harmonious blending of four distinct notes. It is attached to the exhaust pipe in front of the muffler by a special 3-way horn valve. It requires less pressure to operate than any other horn on the market. Easy to install. Comes complete with cable, pulley and full instructions. Average shipping weight, about 8 pounds.

Give make and model of car and outside diameter of exhaust pipe when ordering.

Our Reduced Price

B5455—15-inch horn, for Ford cars, complete with $1\frac{1}{2}$ " valve..... **5.75**

B5454—No. 2-15 inch horn, for any other small car, complete with any size valve up to $2\frac{1}{2}$ "..... **6.35**

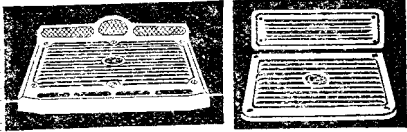
B5461—No. 1-18 inch horn, for medium cars and light tractors, complete with any size valve up to $2\frac{1}{2}$ "..... **8.95**

B5460—No. 0-20 inch horn, for large cars and heavy tractors, complete with any size valve up to $2\frac{1}{2}$ "..... **10.80**

Outfits Requiring Valve Larger than $2\frac{1}{2}$ " extra..... **1.60**



Aluminum Step Plates



FOR ALL CARS

B5351-59 B5344-45
 These plates are very popular for protecting the finish on running boards and running board shields, besides adding greatly to the attractiveness of the car. Have high quality ridged black rubber mat in center to prevent slipping. Made of strong cast aluminum, polished to a mirror finish. Average shipping weight each, 2 lbs.
B5353—Step plate, with scraper, size 9 1/2" x 7 1/2" (for 1925 and older Fords), each..... **.98**
B5342—Step plate with kick plate and scraper, size 9" x 10" (right size for 1926-27 Fords as well as many other cars—not illustrated), each..... **.98**
B5351—Step plate (same design as B5359), size 12 1/2" x 11 1/2", each..... **1.45**
B5344—Flat plate less scraper, 8 1/2" x 11", each..... **.98**
B5345—Kick plate, 4 1/2" x 11", each..... **.68**
 For Step plates with lamps see page 50.

Rubber Running Board Mat

Removes moisture, mud and dirt from the soles of your shoes, also prevents slipping in stepping in or out of the car. Makes an excellent accelerator heelrest. Made of non-slip rubber. Neat in appearance. Size 11 1/2" in long by 7 1/2" in wide. Ship. wt. 1 lb.
B5732—Rubber Mat..... **.16**

Smithkit Cigarette and Ash Tray

By moving the lever on the bottom, the Smithkit automatically ejects a cigarette. Does away with fumbling for a cigarette while driving. Has match box and ash tray in front and cigarette container at back which holds 20 cigarettes. Ash tray easily removed for cleaning. Finished in frosted black enamel. Strongly made of best materials. Nothing to get out of order. A beautiful and useful accessory for your car. Ship. wt. 1 lb.
B6206—Smithkit, each..... **1.65**

Gear Shift Extensions

For use only with Crystal or Onyx Gear Shift Balls

(Shown below) For all Cars
 This extension attaches to the top of gear-shift lever and extends up and slightly to the rear, placing the knob handle just in the right place. Made of best materials, beautifully finished in heavy, polished white brass. This extension is made for use only with either the "Beauty Ball" or Onyx Balls shown below. (Ship. wt., 8 ozs.)
 Give make, year and model of car.

K3208—Length, 4 1/2 inches, for any car **.45**

"Beauty Ball" Gear Shift Balls

FOR ALL CARS

A beautiful ball of crystal blown with streams of various tints running over the surface. Replaces the gear-shift ball now on your car. One of those little refinements that add so much to your delight in your car. In ordering be sure to give the make, year and model of car.
 (Ship. wt., 8 oz.)
B5287—Gear Shift Ball..... **.48**

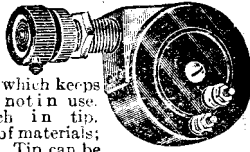
Onyx Gear Shift Balls

TO FIT ANY CAR

Made from highest quality genuine onyx. Very highly polished. Adds beauty and distinction to any car. Ship. wt., 8 oz. (**K200**—Onyx Gear Shift Balls, each (give year and model of car). **1.28**

Electric Lighter

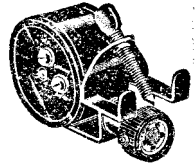
A great convenience for the man who smokes. Has nearly 5 ft. of cord on a strong automatic reel which keeps lighter out of way when not in use. Has handy button switch in tip. Well built of strong rustproof materials; nothing to get out of order. Tip can be easily replaced if burned out. Held firmly to dash by two washers and nuts. Has a very neat appearance. Full instructions furnished.



C5707—For 6 volt Battery (Ship. wt., 1 lb.)..... **1.38**
C5708—Extra Tip for Lighter, 6-Volt, single contact. **.42**
C5709—Extra Tip for Lighter, 6-Volt, double contact. **.42**
C5690—Cigar Lighter Cord, per ft..... **5c**

Clamp-On Lighter

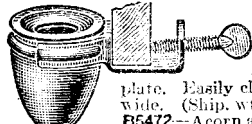
A very similar lighter to C5707 shown above except that it clamps on to the dash by two special set screws instead of being installed through a hole bored in the dash. Lights by pressing a button in the tip. A satisfactory lighter in every way. Ship. wt., 1 lb.



A5049—Clamp on Lighter for 6-Volt Battery..... **1.28**

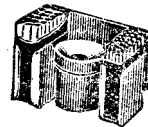
Acorn-Shape Ash Trays

An acorn shaped ash tray having a strong bracket with spring arms to hold tray. Well made and neat, finished in polished nickel plate. Easily cleaned. Size 2" high x 1 1/2" wide. (Ship. wt., 6 oz.)
B5472—Acorn ash tray (like illustration except it has regular screw bracket instead of clamp-on)..... **.39**
G6987—Clamp-on Acorn Ash Tray (illustrated)..... **.48**



Handy Auto Ash Tray

A well-made, attractive combination ash tray, match box and cigarette holder which can be fastened at any convenient place in the car. Bright metal finish. Ash receptacle can be easily removed for cleaning. Complete with screws for attaching.
 Ship. wt., 1 lb.
G7011—Complete outfit as shown. **.85**



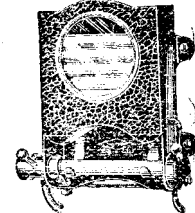
Automatic Cigarette Lighter

Holds 15 cigarettes. When you want to smoke a cigarette, just press the button and our automatic cigarette lighter lights it for you, puffs it to get it going good, and delivers it ready for you to smoke.

No more fumbling for matches or being without them while driving. The automatic lighter is always on the job.

Fastens on the dash with 4 screws. Well made and nicely finished—an ornament to any car. Works by suction from the vacuum tank or from the intake manifold. Full directions with each lighter.

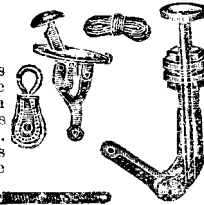
D5967—Automatic Lighter, 6 volt. (Shipping weight, 1 1/4 lbs.)..... **2.65**



Cut-out Pedals, Pulleys and Cable

Extra attachments for cut-outs and exhaust horns. **B5394** is the regular plain locking pedal, shown at left in illustration. **B5395** is the improved Cooper pedal No. 4, shown at right, which gives better leverage, is neater and more easily installed and will last longer. Ship. wt., 1 lb.

B5394—Plain locking pedal..... **.34**
B5395—Cooper No. 4 locking pedal..... **.85**
B5396—Cut-out pulley (Ship. wt., 4 oz.)..... **.84**
B5397—Heavy cut-out cable, per foot..... **4c**
B5392—Cut-out spring..... **.84**



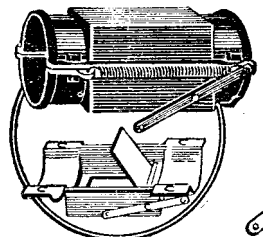
SUPERIOR MOTOR TESTING VALVE

The Superior is the new, improved "box" type motor testing valve. Notice that the tongue fits into the square "box" part of the valve making a very close fit and cutting out all exhaust gases—throwing them down and back under the car.

Eliminates back pressure on the motor. This lessens overheating and carbon deposits, and increases power. Enables you to test your motor easily and to find any "miss" that otherwise would be overlooked. When opened the Superior gives a loud, clear, hollow roar—when closed is silent, and the passage to the muffler is as free as before.

Well made of good, strong castings and will last and give good service as long as the car. Accurately machined to fit exhaust pipe. The tongue is large and strong—the vent is ample to easily exhaust all gases. The spring is the long coiled positive closing type—very strong and powerful to keep the valve closed and prevent leaking.

Easy to install. Just saw out a small section of the exhaust pipe and clamp on the two halves of the valve. Instructions furnished with each valve. Outfit consists of valve, cable, pulley and foot pedal. For dash control see below. Ship. wt., 3 lbs.



90c AND UP

B5468—Size 1 1/2", Ford size..... **.90**
B5462—Size 1 1/2"..... **.98**
B5463—Size 2"..... **1.10**
B5464—Size 2 1/4"..... **1.35**
B5465—Size 2 1/2"..... **1.45**
B5466—Special for Chevrolet..... **1.25**

Special Chevrolet Motor Testing Valve

Replaces entirely the small exhaust manifold—just bolts on. Has a strong butterfly valve. Exhaust gases and smoke are thrown down under the car by means of the long tube, which also gives that hollow, ringing, tone to the exhaust and makes each explosion clear and loud. Is controlled from the dash. Installing the ordinary motor testing valve on the Chevrolet is very difficult, but our special cut-out makes it easy.

B5410—With Dash Control. (Ship. wt., 7 lbs.)..... **2.95**

Dash Controls

For Cut-outs, Exhaust Horns, Heaters, Winter Fronts, Etc. Always at your finger tips and in plain sight. Lock it in any position. No interference with levers, pedals or floor board. Made of brass and steel. Tube and cable about 56 inches long. Ship. wt., 1 lb.

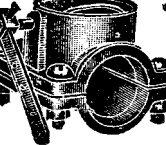
B5393
B5393—Clamp-on Dash Control, all exposed parts nickel plated, a twist of the handle locks it in any position, complete..... **1.58**
B5411—Dash Control can be used as either Clamp-on or Through-dash. Lighter construction than B5393. Exposed parts nickel and black enamel. Spring catch locks it in any position. Complete..... **.85**

B5411—Dash Control can be used as either Clamp-on or Through-dash. Lighter construction than B5393. Exposed parts nickel and black enamel. Spring catch locks it in any position. Complete..... **.85**

65c Regular Style Cut-Out

Made from strong cast steel with tight fitting valve, butterfly type. The opening is full 2 inches making very loud cut-out. Many houses charge from \$1.00 to \$1.50 for cut-out—not as good as this one. This is the best of its kind but we recommend the higher grade cut-outs shown on this page. Locking pedal and cable furnished. No pulley required.

B5419—For Ford cars only (Ship. wt., 3 lbs.)..... **.65**
B5420—For Chevrolet 490, Superior and K, (3 lbs.)..... **.98**



Combination Muffler and Motor Testing Valve

The Newest, Most Efficient Motor Testing Valve. Everyone Enjoys Its Hollow, Muffled Roar

Consists of a new exhaust pipe and muffler which replaces old ones. The expansion tube which replaces exhaust pipe is 3 inches in diameter by 48 inches long, and is firmly welded with the strong oversize muffler chamber. Because of this large volume of expansion space the burnt gases are disposed of quickly and back pressure is eliminated, giving speed and power, and keeping the motor cool. A cool motor saves oil and gas.

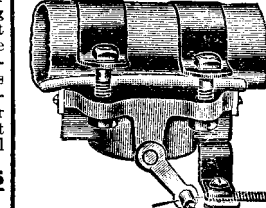
When open the valve gives that muffled, hollow, sustained roar that is so well liked; when closed a soft purr. Made of the very best materials and guaranteed for the life of your car; nothing to break, come loose or rattle. Comes complete with full instructions ready to put on. Ship. wt., 13 lbs.

B5280—Combination Muffler and Motor Testing Valve for Ford Cars..... **4.95**
B5281—For Chevrolet and Other Cars with exhaust pipes from 1 1/2" to 2 1/4" in diameter..... **5.35**



Universal Motor Testing Valve

For All Cars
 With Dash Control
 A strongly built motor testing valve which clamps around the exhaust pipe so that it is not necessary to cut the exhaust pipe in two. Has a large exhaust vent and a heavy flap to direct the burned gases down under the car. It lessens overheating and helps your motor greatly on long hard pulls. The machining is accurate and cut-out will not leak. Comes complete with special dash control as illustrated. Will fit any make car. Ship. wt. 3 lbs. Our Reduced Price



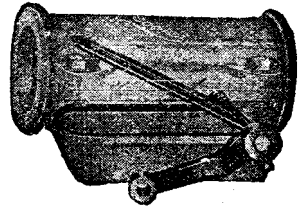
B5408—Motor Testing Valve for any car..... **1.68**

Genuine "Cooper" Motor Testing Valve

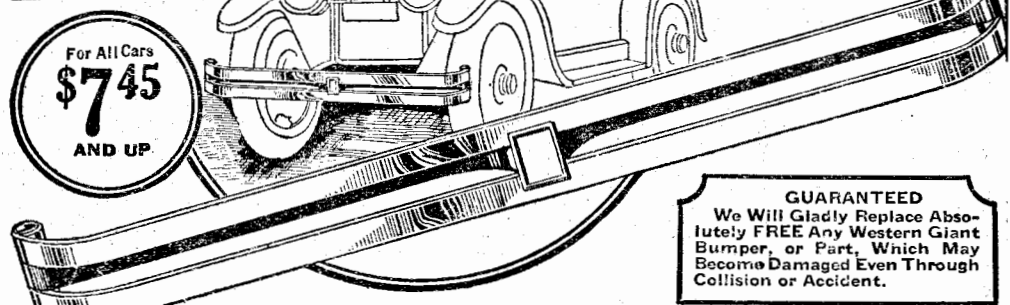
One of the most widely known motor testing valves. It stands head and shoulders above other valves because of its strong, substantial construction; the excellence of the materials used in making it, its durability, nice finish, and loud ringing tone when opened and absolute silence when closed. It will give your motor more power for long hard pulls, keep the motor cooler, and enable you to check up exactly on the condition of the motor. The long, strong, tongue cuts out all exhaust gases. Made of cast iron in two parts which clamp around the exhaust pipe. Easy to install—not necessary to cut exhaust pipe in two—requires no welding. Ship. wt., 4 lbs.

Prices include valve, cable, and pulley. For pedal or dash control see next column and bottom of page 36.

B5423—Size 1 1/2" (Ford size)..... **2.30**
B5424—Size 1 1/2"..... **2.30**
B5425—Size 1 3/4"..... **2.30**
B5426—Size 1 3/4"..... **2.30**
B5427—Size 2"..... **2.30**
B5428—Size 2 1/4"..... **3.60**
B5429—Size 2 1/4"..... **3.60**
B5422—Special for Chevrolet..... **3.45**



Western Giant Spring Steel Bumpers



GUARANTEED
We Will Gladly Replace Absolutely FREE Any Western Giant Bumper, or Part, Which May Become Damaged Even Through Collision or Accident.

Bars are made of spring steel, specially treated and tempered. Have highly polished nickel plated finish, the nickel plate being put on over a coat of Cadmium which is the best rust preventive known. Well proportioned and graceful, and are an ornament as well as a safe-guard to any car. Arms and fittings are large and strong and are designed to fit W8480—1 1/2" Bars for front or rear of Ford, Chevrolet, Overland, Star or Whippet, complete. Wt., 30 lbs. 7.45
W8481—1 1/2" Bars for front or rear of any other car, complete. Ship. wt., 40 lbs. 9.95

your car without machine work. You can install the bumper yourself. Price includes bars, arms and fittings complete, with instructions for installing. In ordering, specify make, year and model of car whether for front or rear; and if your car is equipped with snubbers. Bumpers cannot be sent by mail. Any bumper shown installed at any of our stores for \$1.00 extra.

Junior Spring Steel Bumper



A parallel bar bumper of the popular Dodge type. Reinforced by a heavy back bar on each end which gives strength where the greatest number of blows are received. Built of the best tempered spring-steel, handsomely and durably finished with triple nickel plate. Arms and fittings fit the car without alteration or machine work—finished in black enamel. The cheapest and best collision insurance you can have, as well as adding to the appearance of your car and increasing its value.

In ordering give make, year and model of car.
W8475—For front of any model Ford, Chevrolet, Star, or Overland 4 cars (Ship. wt., 28 lbs.) 5.95
W8476—For rear of any model Ford, Chevrolet, Star or Overland 4 cars (Ship. wt., 26 lbs.) 5.95
W8477—Comp. set for front and rear of Ford, Chevrolet, Star or Overland 4 cars (Ship. wt. 52 lbs.) 11.65

3-BAR Spring Steel Bumper

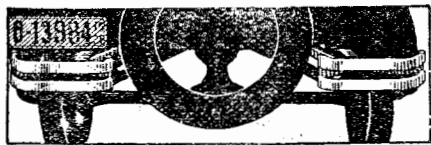


This 3-bar bumper has become very popular. Consists of 3 spring steel bars, each 1 1/2" wide, held parallel by sturdy spacers. It affords a greater degree of protection and is beautiful on the front of the car. Made of the same high quality steel and finished with the same Cadmium nickel as our Western Giant bumper shown above. Price includes bars, arms and fittings complete. Ship. wt., complete 34 lbs.

In ordering give make, year, and model of car.
W8496—3-Bar Bumper for any car. 10.95
W8497—Fender Guards, 3 bars, each 1 1/2" wide, (not illustrated), to match 3 bar bumper for any car, give make, year and model. 10.95

FENDER GUARDS

For Popular Cars



Built of spring steel, finished in a beautiful extra heavy nickel plate. They have strong rigid arms of angle steel which bolt to the frame of the car and extend back holding the Fender Guards firm and rigid in position. This is further reinforced by a brace.

Very easily installed—anyone can put them on in an hour without special tools. Come complete with all necessary fittings and full instructions for installing.

You can fully protect the rear of your car and fenders besides adding greatly to its appearance and value by installing a set of Fender Guards.

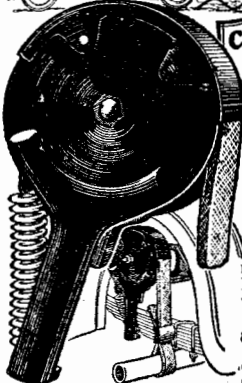
W8490—Set of 2 for 1926-27 Fords (Ship. wt. 25 lbs.) 5.95
W8491—Set of 2, for 1926-27 Chevrolet (Wt. 28 lbs.) 5.95
W8492—Set of 2, for 1924-27 Star (Ship. wt. 25 lbs.) 5.95
W8493—Set of 2, for Overland 4 (Ship. wt. 25 lbs.) 5.95

SPECIAL NOTE

In ordering any bumper on this page be sure to specify make, year, and model of car and whether for front or rear. If your car is equipped with snubbers please specify. **BUMPERS CANNOT BE SENT BY MAIL.** Any bumper listed will be installed at any of our stores for \$1.00 each extra.



Complete Set STAR REBOUND ABSORBERS



FORD \$5.95

We guarantee that a complete set of Star Rebound Absorbers on your car will improve its riding qualities so much that you would not be without them. You don't risk a dollar—we guarantee absolute satisfaction or money back. A new principle in rebound absorbers, together with our big buying power and direct-from-factory-to-car-owner-system of distribution enable us to offer them to you at a very low price.

They do not interfere in any way with the flexibility of the spring but prevent the sudden extreme recoil; the pitching, bobbing, and rolling of the car after striking a bump or when traveling rough roads. They are like a giant hand that smooths the road as you go. Friction (caused by a floating band on a drum and a tension spring) is the thing that absorbs the shocks.

Sudden recoil is the cause for broken springs, so Star Rebound Absorbers not only give you perfect riding comfort but also prevent broken springs.

Easy to install—no holes to drill. Easy to adjust. All fittings and instructions furnished. Once installed and adjusted they never require attention—no oiling, greasing, tightening, etc.

They are well-made, strong and durable. A set on your car will outlast it. Take advantage of our 30-day trial plan—try a set on your car. Ship. wt., set of two, 15 lbs.; set of four, 25 lbs.

W8304—Complete set (one front and one rear) for 1926-27 Ford Touring and Sedan 9.95
W8305—Complete set (one front and one rear) for all other model Ford cars 9.95
W8308—Pair for front of Chevrolet, Dodge, Overland, Nash or any other car except Ford 9.95
W8309—Pair for rear of Chevrolet, Dodge, Overland, Nash or any other car except Ford 9.95

When ordering be sure to give MAKE, YEAR and MODEL of the car.

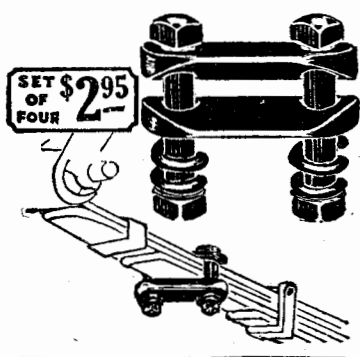
Spring Control Shock Absorbers

These Spring Action Cushioners are the latest development in shock absorber and rebound absorber construction. They consist of a strong yoke and a friction bar; and 2 steel springs held firmly by 2 nuts with lock washers.

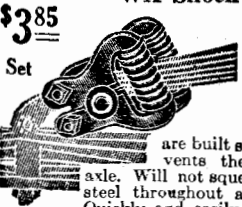
The resiliency of automobile springs is gained from the leaves of the spring lengthening and shortening on top of each other. These Cushioners are clamped around the spring and drawn to the correct tightness so that, by friction on the spring, they cushion and slow down any excessive down-throw or rebound.

Made of spring steel and cold rolled steel so there is practically no wear-out to them. You can install a set on your car in 20 minutes. Ship. wt., Ford set of four, 4 1/2 lbs.

J7762—Set of 4 for all model Ford cars. (Ship. wt. 4 1/2 lbs.) 2.95
J7763—Set of 4 for Chevrolet, 1925-26; Chrysler 4-50, 1926-27; Oakland, 1916-23; Pontiac, Star and any other car having 1 3/4 inch spring (Ship. wt., 5 lbs.) 2.95
J7764—Set of 4 for Chrysler 4-58, 25-26; Cleveland, '20-26; Dodge, '23-26; Essex; Flint 6-40; Hupmobile '23-25; Jewett, '22-26 Maxwell, '20-24; Nash (Spec. 6) '25-26; Oakland, '24-26; Studebaker, '20-26 Ship. wt. 5 1/2 lbs. 3.55



WX Shock Absorbers



The shock absorbers with the famous "scissor" action. Add 100% to the flexibility of the springs. The Coil springs effectively absorb all road shocks yet the way the shock absorbers are built stops all side sway and prevents the regular springs striking the axle. Will not squeak or rattle. Built of the best steel throughout and practically unbreakable. Quickly and easily put on.

A5214—Complete set of 4 (Ship. wt., 10 lbs.) 3.85

Spring Saver and Rebound Check

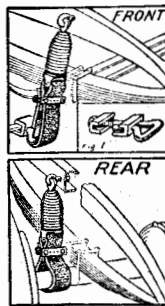
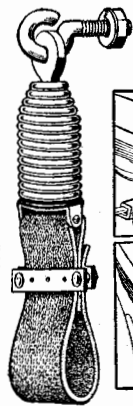
For Front of Any Model Ford
Besides being one of the most effective rebound checks it is absolutely guaranteed to prevent breaking of front springs. It is easy to install and to properly adjust. When installed it is almost out of sight behind the front axle. Consists of a strong rod, threaded on one end which clamps to the frame of car, and extends through a spring. A clamp around the front axle makes a base for the spring and a nut which screws on the rod gives the tension. Well built of the best steel. Nothing to get out of order. Comes complete with full instructions. Ship. wt., 4 lbs.

A5206—Front Rebound Check and Spring Saver... 1.85

Rebound Check Springs

FOR ALL POPULAR CARS

Control the excessive spring action when car is traveling over rough roads, save springs, and add greatly to the car's riding qualities. These check springs are of the highest quality; made of the best materials with features that make them easy to install, long wearing and practically break proof.



Set consists of clamps, springs, and heavy straps, complete ready for putting on. Installation requires no drilling, no cutting. Full instructions furnished with each set. Shipping weight, 4 1/2 lbs.

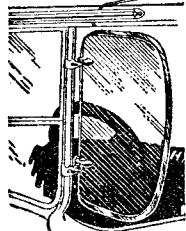
A5219—Set of 2, front or rear of any car of medium weight (Ship. wt., 8 lbs.) 2.15

REBOUND SPRINGS—SPECIAL FOR FORDS

Not so heavy nor strong as A5219 but ample to hold down a Ford and add greatly to its riding comfort.

A5218—Set of 2, front or rear of Ford 1.35

"Superior" Windshield Wings FOR ALL CARS

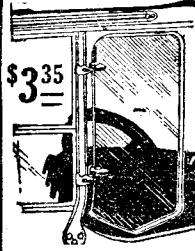


A distinctive-looking serviceable windshield wing at a popular price. Made of heavy plate glass with full 3/4" bevel on ends and outside edge. Nickel plated brackets with suction rubber grips to hold the glass securely in place—no holes in glass to cause breakage. Brackets designed so wings can be swung inside of car entirely out of way when side curtains are used. Size of glass about 9 1/2 x 18 inches. Come complete with clamps, ready to put on. Ship. wt., pair, 15 lbs.

- X8534—"Superior" Wings, per pair..... 5.65
- X8536—"Superior" Blue Windshield Wing, per pair, similar to No. X8534. Glass is a transparent blue color which adds to the attractiveness of the car and is very restful to the eyes..... 7.85
- X8537—"Superior" Amber W. S. Wings, per pr. 7.85

"Leader" Windshield Wings

For Fords and Chevrolets



\$3.35

Especially designed for Ford and Chevrolet open cars. Add greatly to the comfort and pleasure you derive from your car. You can control the amount of air entering the front seat and keep dust, cold, and rain out. Beautiful in design and finish, they give your car a rich and completed appearance. Made of full 3/4" selected crystal, size 8"x18", ground and polished on ends and outside edge. Brackets are strong and hold the glass securely. Wings do not interfere with side curtains. Come complete, ready to put on. (Ship. wt., 3 lbs.)

- X8527—For any model Ford, Chevrolet, and any other light car, per pair..... 3.35

Windshield Glass FOR FORD AND CHEVROLET CARS



Extra quality, heavy glass, properly cut and ground to fit Ford and Chevrolet windshields as listed. Prices shown do not include frame for glass. To insure receiving glass in good condition, order it sent express. (Ship. wt., 16 lbs.)

WINDSHIELD GLASS FOR FORD CARS

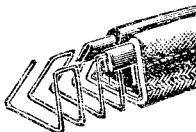
- W8405—Tour. or Road., '15-22, upper half (38x10)..... 1.95
- W8440—Tour. or Road., '23-25, upper (35 3/4 x 9 1/2)..... 1.95
- W8442—Tour. or Road., '26-27, upper half..... 1.95
- W8406—Tour. or Road., '15-22, lower half (38x12)..... 2.15
- W8441—Tour. or Road., '23-25, lower (37 3/4 x 9 1/2)..... 1.95
- W8443—Tour. or Road., '26-27, lower half..... 1.95
- W8444—Coupe, '15-23, lower half..... 1.95
- X8611—Coupe, '24-25, upper half..... 1.95
- X8612—Coupe, '24-25, lower half..... 1.95
- W8451—Coupe, '26-27, one-piece (not available)..... 3.25
- X8611—Fordor Sedan, '23-25, upper half..... 2.15
- X8612—Fordor Sedan, '23-25, lower half..... 2.15
- W8452—Fordor Sedan, '26-27, upper half..... 2.15
- W8453—Fordor Sedan, '26-27, lower half..... 2.15
- W8441—Tudor Sedan, '15-23, upper half..... 2.15
- X8611—Tudor Sedan, '24-25, upper half..... 2.15
- X8612—Tudor Sedan, '24-25, lower half..... 2.15
- W8451—Tudor Sedan, '26-27, (not available)..... 3.25
- B5263—Thumb-nut for Windshield (Wt., 4 oz.)..... 1.85

WINDSHIELD GLASS FOR CHEVROLETS

- X8660—Tour. or Road., '23-24, upper (10x36)..... 2.25
 - X8661—Tour. or Road., '23-24, lower (8x36)..... 2.25
 - X8662—Tour. or Road., '25-26, upper (12x36)..... 2.45
 - X8680—Tour. or Road., '25-26, lower (8x36)..... 1.55
 - X8663—Tour. or Road., 1927, upper (12x38)..... 2.65
 - X8664—Tour. or Road., 1927, lower (8x38)..... 1.55
 - X8665—Coupe, Sedan, '23-24, upper (10x36)..... 2.15
 - X8666—Coupe, Sedan, '23-24, lower (10x36)..... 2.15
 - X8667—Coupe, Coach and Standard Sedan, 1925, model K, one piece..... 3.25
 - X8687—Coupe, Coach, Landau, and Standard Sedan, 1926, model V, one piece..... 3.25
 - X8682—Coupe, Coach, Landau and Standard Sedan, 1927, model AA, one piece..... 3.25
- One piece windshield glass not available.

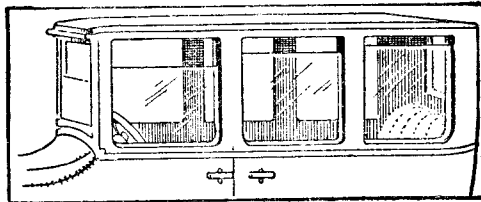
Channel Strips for Auto Glass

For use when installing door or window glass on any closed car. Prevents rattling and rumbering of glass in the frame. Keeps out cold air and moisture.



- Ship. wt., per ft., 4 oz.
- F6727—Channel Strip with spring skeleton as illustrated, wool covered, per foot..... 15
- F6686—Felt-covered Rubber Channel, (not illustrated), per foot..... 8c

Window and Door Glass FOR FORD AND CHEVROLET CLOSED CARS



Extra quality, heavy glass, suitably cut and ground to fit car windows and doors as listed below. Average ship. wt., 16 lbs. Unavailable.

FOR FORD 2-DOOR SEDAN, 1916-23

- X8614—2-door Sedan front side window, 1916-21..... 2.95
- X8615—2-door Sedan front side window, 1922-23..... 2.95
- X8602—2-door Sedan door glass, 1915-21..... 2.95
- X8603—2-door Sedan door glass, 1922-23..... 2.95
- X8604—2-door Sedan rear side window, 1916-21..... 2.95
- X8605—2-door Sedan rear side window, 1922-23..... 2.95

FOR FORD 4-DOOR SEDAN

- X8646—4-door Sedan front door glass, 1923-27..... 2.85
- X8647—4-door Sedan rear door glass, 1923-27..... 2.85
- X8648—4-door Sedan window glass, 1923-27..... 2.85

FOR FORD COUPE

- X8606—Coupe door glass, 1919-21..... 2.95
- X8607—Coupe door glass, 1922-23..... 2.95
- X8646—Coupe door glass, 1924-25..... 2.95
- X8649—Coupe door glass, 1926-27..... 2.95
- X8608—Coupe window glass, 1920-21..... 2.95
- X8609—Coupe window glass, 1922-23..... 2.95
- X8641—Coupe window glass, 1924-25..... 2.95

FOR FORD TUDOR SEDAN

- X8644—Tudor Sedan door glass, 1924-25..... 2.95
- X8645—Tudor Sedan window glass, 1924-25..... 2.95
- X8649—Tudor Sedan door glass, 1926-27..... 2.95
- X8650—Tudor Sedan window glass, 1926-27..... 2.95
- B5262—Door handle knob for Ford closed cars..... 1.95

FOR CHEVROLET COUPE, COACH, SEDAN

- X8668—Coupe door glass, '25-26 models K. & V..... 2.95
- X8669—Coupe door glass, 1927, model AA..... 2.95
- X8670—Coach (2-door) door glass, 1925 model K..... 2.95
- X8671—Coach (2-door) door glass, 1926 model V (also fits window on same model)..... 2.95
- X8672—Coach (2-door) door glass, 1927 model AA..... 2.95
- X8673—Sedan, door glass, front, 1925-26, models K & V..... 2.95
- X8673A—Sedan, door glass, front, 1927 model AA..... 2.95
- X86 4—Sedan, door glass, rear, 1925-27, models K V and AA..... 2.85

Felt Strip for Packing Glass

A substantial felt strip, 1 inch wide, for use around windshield or closed car glass to prevent rattling and breakage. J7744—Per foot (Ship. wt., 2 oz.)..... 3c



SILENT-STEADY ALWAYS READY FOR ALL CARS \$4.95 OUR REDUCED PRICE

SAFE-WAY Electric Windshield Wiper

Works steadily and keeps the windshield clean of snow, sleet or rain. Wiper arm is operated by a small but powerful electric motor. Requires less current than a small lamp bulb. The "Safe-Way" is the most nearly silent electric wiper we have ever seen. Cannot be heard when the car's engine is running. Does not vary in speed and power with the engine—but works at all times with a powerful, steady sweep. Cleans a large arc. Tension of rubber swipe on windshield controlled by set screw on wiper arm. Control switch is conveniently located. Well built of the best materials, with few working parts. All bearings and the gear packed in grease. Never requires attention—will last for the life of the car and is fully guaranteed against any defects. Comes complete with necessary wire and simple instructions for installation. Very quickly and easily installed. Ship. wt., 3 lbs.

- A5132—Safe-Way, for cars with 6-volt batteries except those below..... 4.95
- A5132F—Safe-Way, for 1926-27 Ford closed cars..... 4.95
- A5132V—Safe-Way, for all cars, with one-piece Vertical Ventilating Windshields. Goes on outside of windshield..... 4.95

SAFE-WAY ELECTRIC DOUBLE WIPER

Gives 100% vision, enabling you to see the entire road—eliminates all danger. Goes on outside of windshield. Consists of a single, extra powerful electric motor which drives 2 wipers. Made in a single compact unit that occupies little space and does not interfere with vision. When not in use, both wipers automatically lock up against windshield frame out of vision. Ship. wt., 5 lbs.

Security Windshield Wiper

Can be clamped to top or side of Windshield frame on open cars, or inserted through hole in frame on closed cars. Flexible rubber swipe outside and felt swipe inside the glass, cleans both sides at once. Swipes can be raised or lowered to suit driver's line of vision. Handle is easy to get hold of. Finished in black enamel. Strong, neat, durable. Shipping weight, 1 1/4 lbs.



- A5133—Our Reduced Price..... .45

Automatic Windshield Wiper

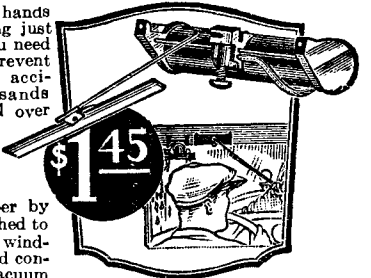
Leaves both hands free for steering just at the time you need them most to prevent skidding and accidents. Thousands now in use all over the country.

The patented vacuum motor, which drives the wiper by suction is attached to upper part of windshield frame and connected to the vacuum tank or intake manifold by a rubber tube.

Driver of car has broad, clear vision of the road ahead. When not in use, wiping arm locks up out of way. Controlled by a single handy screw.

Comes complete with necessary screws, etc., and with directions for installation. Can be installed in a very short time. Does not require care or attention. Will give good service for the life of your car. (Ship. wt., 2 lbs.)

- A5081—For all cars, except '26-27 Ford closed cars..... 1.45
- A5095—For 1926-27 Ford closed cars..... 1.45
- A5082—Rubber Tubing (7 feet long) (Wt., 1 lb.)..... 1.45
- A5084—Replacement Rubber Swipe (Wt., 4 oz.)..... 1.45
- A5076—Replacement Wiping Arm (Wt., 2 oz.)..... 1.45



Kleen-All Windshield Wiper

One of the highest grade windshield wipers on the market. Has two parallel rubber strips outside glass and two parallel felt strips inside; wipes both sides of glass clear at a single stroke. The second strip dries up any streaks or dampness left by the first strip. Frame is made of solid brass, triple nickel-plated. Best grade rubber and wool felt are used, will not scratch glass. Convenient handle for easy operation. Will fit any car. Absolutely guaranteed. Ship. wt., 1 1/4 lbs.

- B5347—Kleen-All Windshield Wiper... 1.38

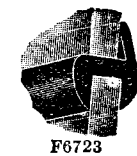
Standard Windshield Wiper

An unusually well-made windshield wiper at an attractive price. Spring steel frame, finished in black enamel, with handy nickel-plated knob handle. Highest quality rubber—cleans thoroughly and very durable—easy to install on either open or closed cars. Ship. wt., 1 lb.

- A5041—Standard Windshield Wiper..... .24

Windshield Weather Strip

A rubber strip designed to fit on top edge of lower glass of shield. Keeps out the wind and rain. Extra quality rubber; will last a life time.



- Fits practically all makes of large cars..... F6723
- F6723—For any car, (Ship. wt., 6 oz.)..... .45

Tea Rubber FOR WINDSHIELDS

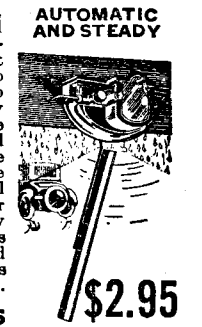
Tea Rubber is used at bottom of ventilating windshields. Shipping wt., 4 oz. per ft. F6726—Tea Rubber, 1 1/2" wide, 42" length, each..... .40



Malco Windshield Wiper

Works from the intake vacuum, either by tapping the intake manifold or by attaching to vacuum tank. Instead of varying greatly with different engine speeds as most wipers do (which is very annoying) the Malco wiper is so designed to work steadily at all speeds. It is much more compact and sturdy than others and fits snugly on the windshield frame out of the driver's vision. The pump is so constructed that it will never wear out. The whole wiper is beautifully finished—an accessory to be proud of. We recommend it as one of the best automatic windshield wipers we have ever seen. Comes complete with instructions. Ship. wt., 2 1/4 lbs.

- A5087—Malco Wiper..... 2.95
- A5096—Malco Wiper, for 1926-27 closed Ford cars..... 3.15
- A5097—Malco Wiper for one-piece ventilating windshields..... 3.85



Wiping Arm Pressure Adjuster

Clamps on the windshield wiper arm so that by tightening the thumb screw the pressure of the rubber on the windshield can be exactly adjusted. Well-made—nicely finished—entirely rust-proof. For use on all automatic wipers with round wiper arms.



- A5136—Wiping Arm Adjuster (Ship. wt., 2 oz.)..... 15

Duplex Improved Carburetor for Fords



20% Greater Mileage
The New, Simplified, Super-Power Carburetor, with built-in heating unit, for Ford Cars and Ford Trucks.

Big buying power enables us to offer you this new improved carburetor at less than you would have to pay elsewhere for an ordinary carburetor. It will save you 20% of the gasoline you are now using and enable your car to climb hills in high that you now have to take in low gear. It will make your car start easily. It will allow you to accelerate your car smoothly.

In actual tests a Duplex-equipped Ford car got more than 20% greater mileage than the same car got when equipped with a regular carburetor.

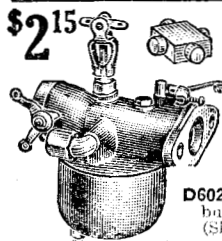
The Duplex is simple in construction and requires no more adjusting than the regular carburetor. Smaller passageway insures proper mixture. A special automatic Air control saves gas at slow speeds; Adjusting needle controls flow of the mixture of gas and air instead of just the gas. **This is the greatest improvement ever made in carburetion for Ford cars.** A built-in electrical heating unit makes starting in cold weather much easier.

Made of the best materials throughout. Very easy to install. Comes complete with simple instructions for installation on all Ford cars and Ford trucks.

The "Duplex" should pay for itself in 90 days in the saving of gas alone.

It will pay you to throw your present carburetor away and install a "Duplex" for it is costing you real money every day you drive with the regular carburetor on your car. Take advantage of our 30 day trial offer, order one for your car today.

D6024—Duplex Carburetor for 1909-'26 Ford cars and Ford trucks (Ship. wt. 4 lbs.)..... 2.78



Kingston Carburetor For Fords and Chevrolets

Genuine new model well-known, and reliable Kingston carburetors. A new carburetor makes a big difference in the running of your motor and the mileage you get per gallon.

D6021—For Fords (Ship. wt., 4 lbs.)..... 2.15

D6020—Kingston Deluxe Carburetor for Chev. 1915-24 (Ship. wt., 6 lbs.)..... 11.25

D6022—Kingston Deluxe Carburetor for Chev. 1924-27 (Ship. wt., 7 lbs.)..... 11.25

Don't Take Chances With Your Gas Supply, Have a "Can't Lose" Gas Tank Cap



If you ever had a careless filling station attendant leave off your gas tank cap or had one shaken off on a bad stretch of road, you will appreciate our "Can't Lose" cap. It consists of a bushing that is screwed permanently onto the gas tank, and a cap that is chained to the bushing. A quarter turn of the cap removes or replaces it from the bushing, but the chain prevents it from being lost or misplaced. Ship. wt., 8 oz.

K8228—For Chevrolet Sedan, Chrysler, Durant 4, Flint to '25, Hup. to '23, Moon, Oakland to '23, Olds. 6, '25-26..... 65

K8229—For Dodge '25-26, Hupmobile '24-26, Jewett '24-26..... 45

K8230—For Buick '23, Essex, Hudson '23-26, Hup 4 to '24..... 65

K8231—For Chrysler '23, Franklin '24-26, Overland 6, Willys-Knight '25-26..... 45

K8232—For Buick '24-27, Chevrolet AA, Chrysler '50, Cleveland '24-26, Dodge '27, Flint 40, Nash '26-27, Oldsmobile '27, Pontiac, Star. (No bushing required—simply replaces regular cap)..... 35

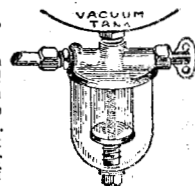
Gasoline Filter

For 1926-'27 Fords and All Other Cars With Vacuum Tanks

So much of the gasoline now on the market is of low quality, and contains so much other matter than gasoline that every car should be equipped with our gasoline strainer.

Fits right under the vacuum tank out of the way. Easily removed for cleaning. Nothing to get out of order. (Ship. wt., 2 lbs.)

D6027—Filter, for 1926-'27 Fords and all cars with vacuum tanks..... 93



No-Tear Curtain Rod Thimbles

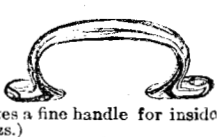
Clamps through the curtain (one-half on outside, the other half on inside) right over the top of the curtain rod on door opening curtains. Keeps rod from punching through curtain. Saves curtains, prevents inconvenience. (Ship. wt., 1 oz.)

E6329—Curtain Rod Thimble, complete (2 halves)..... 10

Door and Rear Deck Handle

Made of brass, finished in durable rust proof, high-polish nickel-plated; about 5 inches long. An ideal handle for installation on the rear deck lid of coupes and roadsters making lifting the lid easy. Also makes a fine handle for inside the door of car. (Ship. wt., 8 ozs.)

B5251—Handle, each..... 48



SAVE 30% to 50% GASOLINE

Mile-Maker Vaporizers

INCREASE SPEED, POWER AND PICK-UP



FOR FORD AND CHEVROLET CARS AND TRUCKS

Save money in gasoline and oil. Have a cleaner, cooler, smoother, more powerful motor that is easier to start, by installing a MILE-MAKER Vaporizer.

All new Ford cars are now being equipped at the factory with a vaporizer, showing that Ford himself agrees that every Ford car needs one to get the greatest power, speed, pep and economy. Our MILE-MAKER Vaporizers are the best we have ever seen.

We guarantee that a "MILE-MAKER" will increase your gasoline mileage from 30% to 50% depending on the age of your car; will completely vaporize even the cheapest gasoline, leaving no carbon; will noticeably increase speed, power, smoothness, and pick-up; will eliminate fouled spark plugs; will prevent oil dilution and cut down your oil bill; and will make your engine start easier and run cooler.

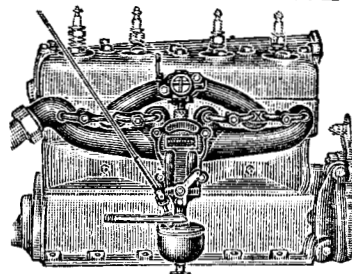
30 DAY TRIAL—SATISFACTION OR MONEY BACK

The amazing economy in gasoline and oil saved and the big improvement in power, speed and smoothness that a MILE-MAKER Vaporizer will make in your car are almost unbelievable. We don't want you to take our word for this but we are anxious for you to try one on your own car for 30 days and prove to yourself at our risk the economy and pleasure of owning a MILE-MAKER. Just send us your order for a vaporizer in the regular way. Install it (you can have it on and running in 30 minutes); test it and try it out for 30 days. If then you are not satisfied for every claim we make is true and that the MILE-MAKER is one of the best investments you have ever made, return it to us and we will refund every cent you paid.

D6036—For Fords, Mile-Maker Vaporizer without Carburetor (illustrated above). Use the carburetor now on the car (Ship. wt., 12 lbs.)..... 4.95

D6025—For Fords, Special Mile-Maker Vaporizer with Carburetor built in one unit, adapted to work together for greatest economy and efficiency. Similar to Ford Holley Vaporizer, but greatly improved. Amount of hot surface can be instantly regulated for hot or cold weather. Will never overheat. Special construction makes starting easier. Cast iron hot plate much superior to steel. Heats up much quicker and will never wear out (Ship. wt., 14 lbs.), complete..... 6.95

D6035—For Chevrolets, Mile-Maker Vaporizer without Carburetor (for illustration, see page 116) (Ship. wt., 22 lbs.)..... 9.85



\$6.95
VAPORIZER
Complete with
CARBURETOR

Carburetor (illustrated to the right). Vaporizer and carburetor built in one unit, adapted to work together for greatest economy and efficiency. Similar to Ford Holley Vaporizer, but greatly improved. Amount of hot surface can be instantly regulated for hot or cold weather. Will never overheat. Special construction makes starting easier. Cast iron hot plate much superior to steel. Heats up much quicker and will never wear out (Ship. wt., 14 lbs.), complete..... 6.95

Sure Feed Air Pressure Cap

It often happens that you "run out of gas" on a hill or incline when you really have a good supply in your tank. This is caused by the level of gas in the tank being lower than the carburetor. Our Sure-Feed Cap prevents this. A regular tire pump may be attached to the cap and three strokes of the pump will give sufficient pressure for any occasion. Also very valuable for cleaning out a stopped-up flow line. Gives your car a pressure feed system when you need it.

A5137—Sure Feed Cap (Ship. wt., 6 oz.)..... 48

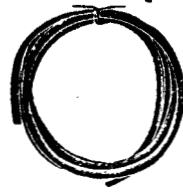
FOR FORD CARS



Extra Quality Copper Tubing

High quality seamless copper tubing, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$ and $\frac{1}{2}$ inch in diameter. Shipping weight, 8 oz. per foot. Price, per foot

D6070— $\frac{1}{8}$ inch outside..... 7c
D6067— $\frac{1}{4}$ inch outside..... 8c
D6066— $\frac{3}{8}$ inch outside..... 9c
D6068— $\frac{1}{2}$ inch outside..... 10
D6069—12-foot length $\frac{3}{8}$ in. copper tubing, per piece..... 1.05



Flexible Metal Tubing

Asbestos packed in joints, making it practically air tight. Sizes shown are inside diameters. Shipping weight, about $\frac{1}{2}$ lb. per foot.

Inside Diam.	Outside Diam.	Per Foot
D6060 $\frac{1}{8}$ "	$\frac{1}{4}$ "	.19
D6061 $\frac{1}{4}$ "	$\frac{3}{8}$ "	.21
D6062 $\frac{3}{8}$ "	$\frac{1}{2}$ "	.22
D6063 $\frac{1}{2}$ "	$\frac{3}{4}$ "	.24
D6064 $\frac{3}{4}$ "	1"	.32
D6065 $\frac{1}{2}$ "	1"	.45

Mile-Maker Tablets



Much of the gasoline today is very low grade and consequently deposits too much carbon. Mile-Maker Tablets used in this same gasoline will show a marked increase in mileage, power and

speed. Positively harmless, will not injure motor or interfere with lubrication, but really assist by removing carbon. Also makes your car easier to start. You are losing several times the cost of Mile-Maker Tablets on every 100 gallons of gas you now use, not to mention carbon trouble. Satisfaction absolutely guaranteed or your money back.

Box of 100 tablets, enough to treat 100 gallons of gasoline, with full directions. Ship. wt., 8 oz. **Our Reduced Price C6943—Box 100 Mile-Maker Tablets..... 39**

Carburetor Parts

FOR FORD CARS

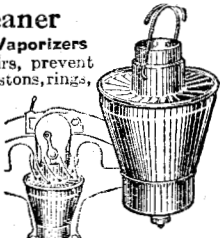
KINGSTON CARBURETOR PARTS	
D6038 Float assembly, 1921-26.....	.54
D6040 Float assembly, 1917-20.....	.52
D6042 Float with lever, 1915-16.....	.65
D6044 Gasoline valve, 1917-20.....	.30
D6039 Gasoline valve, 1921-26.....	.30
D6045 Spray needle assembly, 1910-26.....	.40
HOLLEY CARBURETOR PARTS	
D6052 Float with lever, 1920-24.....	.22
D6049 Spray needle assembly, 1914-20.....	.20
D6053 Spray needle assembly, 1921-25.....	.15
D6054 Spray Needle Assembly, 1926-27.....	.15
D6051 Gasoline inlet needle, 1914-26.....	.20
CARBURETOR ATTACHMENTS	
P4129A Carb. adjusting rod.....	.10
P4130 Carb. flange bolt and nut.....	5c
P4134 Carb. flange gasket.....	5c
P4431 Carb. priming rod.....	5c
P4582 Carb. Hot Air Stove.....	.20

Vaporizer Air Cleaner

For Ford Cars With Holley Vaporizers

Save overhauling, save repairs, prevent dust grinding away rapidly the pistons, rings, pins and cylinder walls, add years to the life of your car. Try one 30 days, see the amount of grit it has kept out of your motor and then if you don't want it return it to us and we will refund your money

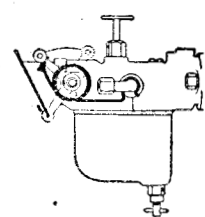
D6013—Air Cleaner for Holley Vaporizer. (Wt. 1 lb.) . 1.95



Carburetor Choker Spring

An efficient, easily installed spring to hold the carburetor choker in proper position when the regular spring is broken. Has the proper tension and will last indefinitely. Can be installed in less than a minute, without use of tools. Can not work loose. Ship. wt., 4 oz.

E6302—Choker Spring for regular carburetor..... 8c

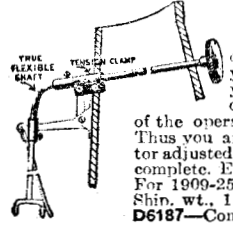


E6303—Choker Spring for Holley Vaporizer..... 8c

Carburetor Adjuster and Choker

FOR 1909-25 FORD CARS

With the equipment furnished on the Ford car you can choke your carburetor from the seat but you cannot adjust it. With our device you can perform both of the operations from the drivers' seat. Thus you are able to keep your carburetor adjusted for different conditions. Comes complete. Easy to attach, full instructions. For 1909-25 Ford cars with cowl board. Ship. wt., 1 lb. **Our Reduced Price D6187—Comb. Adjuster and Choker. .68**



"KIRSTIN" GASOLINE GAUGE FOR '26-27 FORDS '25-27 CHEVROLETS

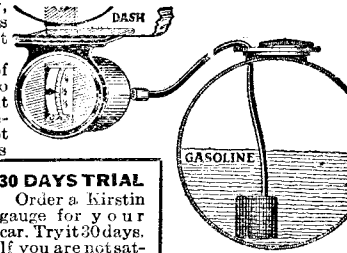
Accurate, dependable and beautiful. Absolutely Fool-proof. Guaranteed for 3 Years.

We take real pleasure in offering you this good Kirstin gauge. It is not only the only gauge we have ever seen that combines accuracy, safety, convenience, serviceability, and easy installation, but its watch-like finish and compact neatness make it a pleasing ornament on the dash.

You cannot realize, until you have one on your car, the security of mind and the convenience this good, accurate, gauge gives you, to say nothing of the certainty of knowing that you get the amount of gas you pay for, and the trouble and expense it will save by preventing you being stalled for lack of fuel. Practically all cars except Fords now come equipped with gauges—motor car manufacturers realize the absolute need for them. Take advantage of our trial offer and learn at our risk the pleasure and service the Kirstin gauge will give you.

Operated by the weight of the gasoline in the tank—no danger of leakage—no mechanical parts in the tank to get out of order, rattle, and break. Does not have to be removed when filling tank. The gauge head is fixed under the instrument panel on the dash where it is in plain sight and read at a glance. Finished in nickel and black enamel which, with its small size and solidity makes it a beautiful instrument. You can install yours in 10 minutes—nothing but a screw driver needed, instructions furnished.

G6993—Kirstin Gauge for 1926-27 Fords, except Fordor Sedans. (Ship. wt., 2 lbs.)
G69C2—Kirstin Gauge for 1925-26-27 Chevrolet (See page 117). (Ship wt., 3 lbs.)



30 DAYS TRIAL

Order a Kirstin gauge for your car. Try it 30 days. If you are not satisfied in every way return it to us and we will refund your money.

2.95
3.95

Gasoline Gauge

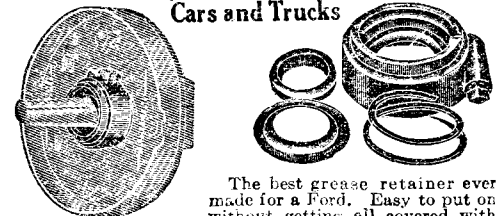
For Ford and 1926 Chevrolet Cars

Remove present filler cap, insert this gauge, and screw it down tight. Constructed of steel. A float fitted to a spiral upright turns indicator on dial, as the gasoline is raised or lowered in tank. The simplicity and strong construction means that it will always work perfectly and last as long as the car. Ship. wt., 1 1/2 lbs.

- G6977—1909-1920 Round Tank. .78
- G6978—1921-26 Oval Tank. .78
- G6979—For Square Tank. .73
- G6980—1926, except 4 door Sedan. .78

G6981—For 1926 Model V Chevrolet. .78

Trautner Grease Retainer for Ford Cars and Trucks

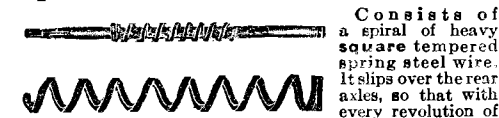


The best grease retainer ever made for a Ford. Easy to put on without getting all covered with grease and without having to pull out the bearings. Retainer replaces the dust cap and felt washer right next to hub. Has an asbestos packing ring that fits around the axle shaft, with a beveled steel washer and spring that keeps the asbestos ring tight, no matter how badly the roller bearings are worn.

Nothing to wear out, except the asbestos packing ring, which will last for months and can then be easily replaced at small cost. Full instructions furnished. Satisfaction guaranteed. Shipping weight, 1 lb.

- J7756—Complete retainer, for Ford cars, each. .85
- J7757—Extra packing rings, for Ford, each. .20
- J7750—Special retainer for Ford Truck complete, similar to J7756, (not illustrated), each. .85

Square Wire Grease Retainer For Ford Cars



Consists of a spiral of heavy square tempered spring steel wire. It slips over the rear axles, so that with every revolution of the axle the grease is brushed back toward the differential. Absolutely automatic. A fiber washer prevents the grease from escaping when the car is not in motion.

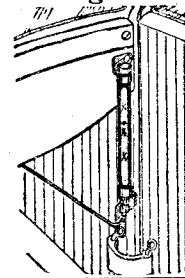
Our square wire retainer is many times more efficient than the round type. Easily installed and will last indefinitely. Ship. wt., 1 lb.

C5858—Square Wire Retainers, pair. .45

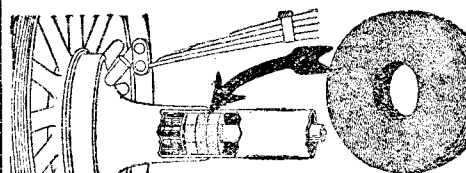
Visible Gasoline Gauge

Is installed to the right of the dash, being held securely by one dash bolt and one door strap bolt. A black ball makes reading easy. When properly installed (instructions are furnished) it is a most accurate gauge. A small copper tube connects the gauge to the tank so that the level in both is exactly the same. Direct, simple, positive. Nicely finished in nickel and black enamel and easily installed in a few minutes.

H7348—Visible Gauge for 1926-27 Fords, except Fordor Sedans (Ship. wt., 1 1/2 lbs.) .1.05



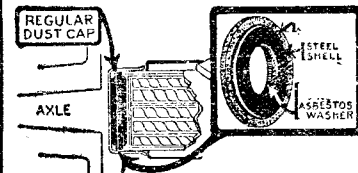
Axle Packing Washers



An extra large heavy felt washer for rear axle, which will prevent grease from working out. About 3-inch diameter by 1/2 inches thick. When compressed to go into axle housing they hug the axle shaft very tight so no grease can get by. To install these washers the outer roller bearing is slipped out, washers pushed in and bearing replaced. One, two or three washers can be used on each side. It is best to get a full set of six. Ship. wt., each, 2 oz.

J7760—Each. .6c Set of 6. .29

Grease Retainer For Fords

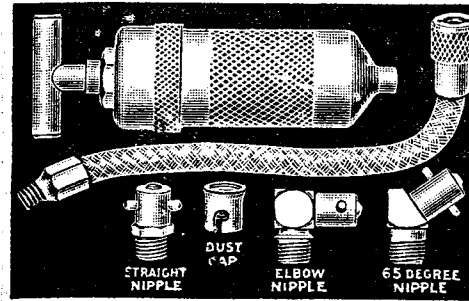


Absolutely prevents grease being thrown out of rear axle. Replaces the regular felt washer in the rear axle. Does not require drawing out the roller bearings. Has a spring inside the metal shell to keep asbestos washer tight against the axle at all times. Strong and well made. Nothing to wear out except the asbestos washer which can be renewed at small cost. Ship. wt., 8 oz.

J7758—Grease Retainer. .35

Genuine Alemite Lubricating Systems and Parts

You can install a complete Alemite system on your car from the parts we offer or replace any worn or lost part.



- X9000—Compressor Gun, 6 3/4"x2", holds 1/2-lb. grease (Ship. wt., 2 lbs.) .3.00
- X9003—14" Compression Hose (Ship. wt., 1 lb.) .2.00

The shipping weight on Nipples is 1 oz., each.
X9006—1/8" thread .19
X9007—1/4" thread .26

- Elbow Nipples
- X9013—1/8" thread .26
- X9014—1/4" thread .36
- 65-Degree Nipples
- X9019—1/2" thread .30
- Dust Caps
- X9016—Bayonet Dust Cap. .5c

Alemite Jr. Compressor

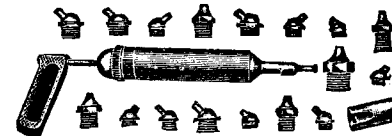
Has special nozzle. Requires no hose. Holds 3 oz. of grease. Ship. wt. 1 lb.
X9001—Jr. Compressor .2.25

Replacements Parts for Zerk System

Alemite-Zerk systems are standard equipment on Dodge, Chrysler, and other popular cars. We offer replacement parts as follows:

- X9046—Compressor, for use with Zerk system (Ship. wt., 1 1/2 lbs.) .4.00
- X9047—Straight Nipple, for Zerk system. .12
- X9048—Elbow Nipple, for Zerk system. .18

Genuine Alemite (Zerk Type) Lubricating System for Ford Cars



An improved Alemite force-feed lubrication system, which is handier than the old style and lets you grease your car in half the time—not necessary to bother with a screw connection. Simply press nozzle of gun against special nipple on bearing—leak-proof contact is instantly made and grease shot into bearing at high pressure. No hose needed.

Outfit consists of compressor and 16 special nipples for rear axles, drive shaft, universal joint, steering gear, and spring shackles. Old oil and grease cups are easily removed and replaced with these nipples in a few minutes' time. In use on 5,000,000 cars to-day. Will add to the life of your car and save you many dollars in repair bills. (Ship wt., 5 lbs.)
X9045—Alemite-Zerk System for Ford. .6.50

Rose Self-Loading Grease Gun

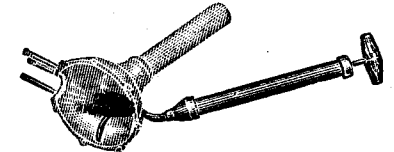
The only self loading grease gun at a medium price. Fills by suction, and is so constructed that it will draw in reasonably hard grease easily. Made of heavy seamless steel, very serviceable, and convenient to use. Shipping weight, 1 1/2 lbs. Our Reduced Price
G7033—Rose Grease Gun, 1 1/4 x 12 1/2" over all .1.08

Float for Stewart Vacuum Tank

An accurately made float that replaces the regular Stewart model on vacuum feed systems. Guaranteed to fit perfectly and give the best of service. Ship. wt., 12 oz.
D6074—Vacuum Float, each. .35
D6073—Set of 2 Cork Gaskets for old style vacuum tank. .9c
D6072—1 Cork Gasket for new style vacuum tank. .5c

Note—If your vacuum tank requires 2 Gaskets it is old style.

Differential Cleaner and Filler



Outfit consists of combined force and suction pump with a curved metal spout. By inserting the spout in the differential and pulling out the plunger you can draw the old, worn, grease out. Use outfit as a gun to force kerosene or gasoline to every part of the differential, thoroughly cleaning it and then as a suction pump to draw the dirty mixture out. Then use as a gun to fill the differential with grease. Enables you to do thoroughly, and quickly without a lot of mess and dirty clothes, a job that is otherwise very dirty. Very substantially made—will last and work well as long as you own cars.

E6299—Differential Cleaner (Ship. wt. 4 lbs.) .1.38

Alemite Lubricant

A pure solidified oil, recommended for use with Alemite lubricating system. 5-lb. size has the special patented top for quick and easy filling without soiling hands, or wasting lubricant.

- X9038—Alemite Lubricant, 1 lb. .40
- X9039—Alemite Lubricant, 5 lbs. .1.50

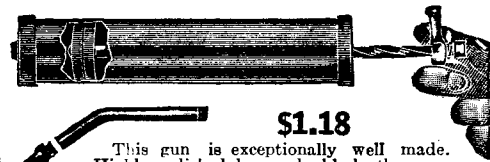


Ford Special Oil and Grease Gun



End of gun is made so as to fit in Ford differential. The cylinder is constructed from extra heavy steel and brass plated tube one and one-quarter inch diameter, nine inches long. Plunger is specially selected cork. These features make this gun practically indestructible. Extra nozzle for oil. Regular \$1.00 value. Shipping weight, 1 lb.
G7036—Ford Special Grease Gun .37c

Little Lightning Combination Grease and Oil Gun



This gun is exceptionally well made. Highly polished brass, double leather cup type plunger, reinforced with heavy steel washers, prevents any possibility of grease or oil passing to back of the gun.
Can be used as either screw down type gun, for greases; or a quick acting oil gun. Comes with two spouts, one for grease and one for oil. Capacity, 9 oz.
G7029—Little Lightning Gun. (Ship. wt., 1 1/2 lbs.) .1.18

Long-Run Gear Oil



There have been a number of "gear compounds" on the market in recent years, but most motorists find that the most satisfactory gear lubricant for ordinary temperatures is the heavy semi-solid oil widely known as "600W". Our Long-Run Gear Oil is a lubricant of this same consistency. It sticks close to the gears to insure perfect lubrication and lets you shift easily. Comes in handy 5-lb. pail. Ship. wt., 6 lbs.

G6951—Long-Run Transmission Oil, 5-lb. pail48

Long-Run Cup Grease

A very high-grade cup grease, which holds its semi-solid form, making it clean and economical to use, yet lubricating very efficiently when it reaches the bearings. Used in all cups, universal joints, spindles, etc. Always keep a can on hand.



Our Reduced Price
G6961—1-lb. can Cup Grease19
G6967—5-lb. can Cup Grease68

Three-In-One Oil

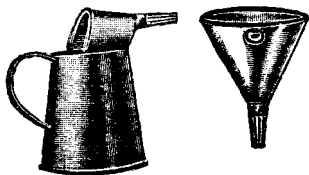


Three-in-One Oil is the best-known oil on the market. Especially recommended for magnetos, bearings and timers, and is also good for bicycles, sewing machines, guns and many other uses. Comes in handy can with capped spout. Contains 3 oz. oil. Shipping weight per can, 4 oz.

G6958—Three-In-One Oil, per can28

Funnels and Measures

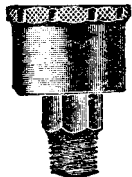
Heavy, durable funnels for general use, also combination funnel and measure. Made of heavy tin and nicely finished.



Average shipping weight, 2 lbs.

G7018—Funnel, 1 quart (Diam. of top, 5 1/4")16
G7019—Funnel, 2 quart (Diam. of top, 6 1/2")20
G7026—Measure and Funnel, 1 quart32
G7027—Measure and Funnel, 2 quarts45

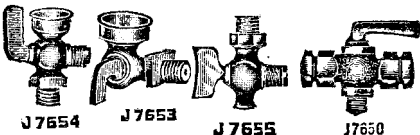
Plain Grease Cups



Made of steel, with ledge on cap and milled edge to insure firm grip. Caps fit perfectly, making leakage of grease impossible. Shipping weight, 2 oz.

G7015—3/4", 1/2" pipe thread (fits Ford spring shackles), each4c
Set of 828
G7014—1", 3/4" pipe thread (fits Ford rear axle), each9c
G7013—1 1/2", 1/2" pipe thread (drive shaft), each12

Priming Cups, Drain Cocks and Stop Cocks



J7654
J7653
J7655
J7650
J7653—Angle Priming Cup, regular 1/2" pipe thread .35
J7654—Upright Priming Cup, regular 1/2" pipe thread .24
J7655—Drain Cock for crank case, carbureter, or radiator, 1/2" thread, (Ford size)12
J7656—Drain Cock, 1/4" thread18
J7650—Stop Cock, for 1/2" tubing45
J7651—Stop Cock, for 3/8" tubing48



Long-Run Gear Grease

A high quality semi-fluid grease, especially compounded for use in automobiles that are subjected to extremes of heat and cold.

Lubricates efficiently under all service conditions and during all seasons, as it is not affected by extremes of weather. Comes only in 5 lb. cans.

Our Reduced Price
G6960—5-lb. can72

High-Pressure Lubricant

For Use With Alemite and Similar Systems

A specially prepared grease for use with Alemite, Zerk or any other high-pressure lubricating systems for automobiles, farm machinery, etc. Has the proper "body" to make it remain under pressure in the cups, feeding the bearings gradually as required. Comes in one-pound cans with the handy loose-washer for easy filling.



G6952—Long-Run High-Pressure Lubricant, 1-lb. can24

Fine Parts Oil



A very-high grade, thin, clear oil. Made especially for magnetos, timers, bicycles and all fine working parts. Good to prevent rust of highly polished metal surfaces. Substantial 4 oz. can with handy spout.

G6950—Fine Parts Oil20

Graphites

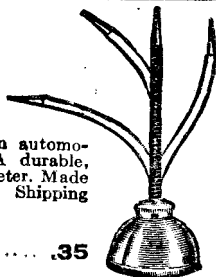
Very fine graphite for mixing with lubricating oil or grease, making it last longer and lubricate more efficiently. Forms a thin, smooth, durable coating on bearings and prevents wear and noise.



G6955—1/4-lb. can Flake Graphite19
G6956—1/4-lb. can Powdered Graphite19

Flexible Spout Oiler

One of the handiest oil cans made. Has a strong 7-inch flexible spout that can be easily bent to almost any angle, so as to get around any obstructions or out of the way places in oiling an automobile. Saves time and work. A durable, standard can 3 1/4 inches in diameter. Made of steel, nicely copper plated. Shipping weight, 8 oz.



G6969—Flexible Spout Oiler35

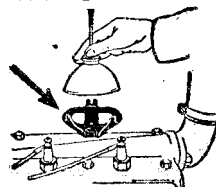
Oil Cans

Made of steel, copper plated. Very durable. Av. shipping wt., 8 oz.

G6964—Reg. Ford size, 3 3/4-in. diameter, 1/2-pint19
G6965—1/2 Pint with 5-in. spout26
G6966—1/2 Pint, with 9-in. curved spout. Not illustrated32

Oil Can Holder

This holder fastens to cylinder head bolt, so that your oil can is always easily reached by raising hood. Made of steel. Absolutely will not rattle or work loose. Ship. wt., 8 oz.



G6976—Oil can holder, ea. .15

LONG-RUN OIL BEST ALL THE WAY

Because of our enormous buying power, together with our direct-from-refinery-to-car-owner system of distribution, we are able to furnish our customers Long-Run Oil for about half the price they are usually asked for the most common grades of oil.

Our Long-Run Oil is of the highest quality. It is carefully refined from the highest grade stock by one of the largest oil refineries in the world, bearing a national reputation for the highest uniform quality of all their products. Perhaps you have been buying this very same grade under private trade-mark brand, paying about double.

Long-Run Oil has passed every test required for a perfect lubricant. The free carbon has been carefully removed reducing carbon trouble to the minimum. The flash and fire tests prove that it is an oil which will retain its lubricating qualities even under high temperature. Send for a can of Long-Run Oil and compare it with any oil you have been using. You will then appreciate the exceptional value we are offering, and will want to take advantage of the still greater savings offered by our prices in full barrel lots.

Oil takes a low freight rate and weighs about 8 1/2 lbs. per gallon. It pays to order Long-Run Oil in quantities of 10 gallons or more in order to take advantage of the minimum freight rate. Long-Run Oil, in the larger sizes is shipped in strong Non-Leakable Steel Drums.

In ordering oil get light, medium or heavy, whichever you have been using or if you will give the make and year of your car we will send you the proper weight oil to use.

Shipped Direct From Nearest Store

Send us all your orders for oil, and be assured quick deliveries as well as a big saving and lower transportation costs.

To Our Retail Customers

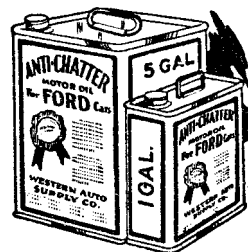
We carry Long-Run Oil in bulk at all of our Retail stores. You can save 50% of your oil bill by bringing your own container to your Western Auto Store and having it filled there with Long-Run Oil. Light or Medium Oil in bulk at any of our stores. Heavy Oil in bulk at any of our stores, less container, per gallon56



39¢ GAL IN 55 GALLON STEEL DRUMS

Anti-Chatter Improved Oil for Fords

Eliminates Chatter and Glazed Bands



A high-grade paraffine-base oil, specially processed for Ford cars. Will lubricate perfectly at all temperatures, eliminating chatter and glazed bands, thus doubling life of brake linings.

High flash and fire test make it heavier than the average oil at working temperature of motor. Will withstand excessive

heat, give proper lubrication where cheap oils break down.

ANTI-CHATTER is all pure lubricant, contains no animal or vegetable oil, giving smoother starting and stopping, gasoline saving, less carbon trouble and lengthened life of transmission bands.

"Satisfaction or Money Back"
Ship. wt., gal., 8 1/2 lbs.

Price per gal.
X8743—50 gallon Steel Drum52
X8744—30 gallon Steel Drum58
X8745—10 gallons (two 5-gal. cans)85
X8746—5 gallon can88
X8747—1 gallon can98

Steel drums shipped from refinery in Kansas City, Atlanta and Philadelphia.

Light Long-Run Oil	Per gal.
X8702—55-gal. steel drum	39
X8701—30-gal. steel drum	44
X8700—10-gal. case (2 5-gal. cans)	60
X8699—5-gal. can	64
X8698—1-gal. can	76

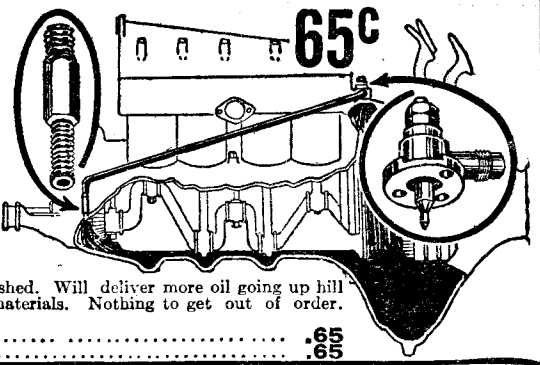
Medium Long-Run Oil	Per gal.
X8709—55-gal. steel drum	45
X8708—30-gal. steel drum	50
X8707—10-gal. case (2 5-gal. cans)	64
X8706—5-gal. can	69
X8705—1-gal. can	79

Heavy Long-Run Oil	Per gal.
X8716—55-gal. steel drum	52
X8715—30-gal. steel drum	56
X8714—10-gal. case (2 5-gal. cans)	67
X8713—5-gal. can	73
X8712—1-gal. can	83

LONG RUN TRACTOR OIL	Per gal.
High quality, carefully refined oil, with high fire test to stand up under the excessive heat of tractor engines. Furnished in extra heavy, which is best adapted to the needs of Fordson and other popular tractors. Shipping weight, 8 1/2 lbs. per gallon	59
X8753—55-gal. steel drums, per gallon	59
X8754—30-gal. steel drums, per gallon	63

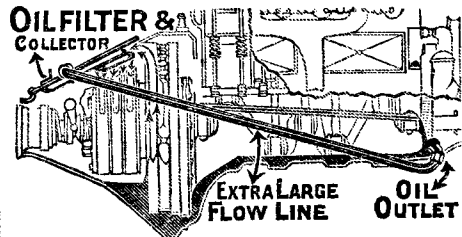
Oiling System FOR FORD CARS

Prevents Burning Out Bearings
Often the regular oil line inside the Ford motor becomes clogged with pieces of transmission lining or dirt and causes burned out bearings...



65c

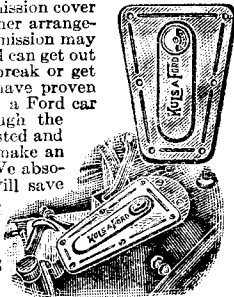
PROTECTOR FILTER AND OIL FEED



Oils the transmission bands (preventing grabbing and chattering) and the clutch collar; filters the oil; and carries pure oil to the front of the engine...

Engine Cooler Transmission Cover

Replaces the regular transmission cover and is provided with a breather arrangement so the heat in the transmission may escape...



Crank Case Drain Valve FOR FORD CARS

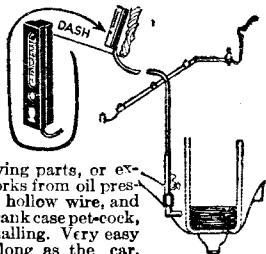
Makes it easy to drain your crank case without getting dirty and greasy. Consists of a hollow plug with drain valve...



A5159—Drain Valve for all model Fords. .42

Dash Oil Gauge for Fords

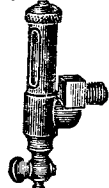
Know how much oil you have and prevent burned out bearings and other troubles and big repair bills. Have this gauge and be on the safe side...



G6892—Dash Oil Gauge, complete. (Ship. wt., 1lb.) 1.18

Oil Gauge with Petcock

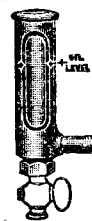
Keeps you from having too much or too little oil in the crank case by telling at a glance just how high the oil stands...



G6985—Oil Gauge made of strong cast brass, elbow is part of casting, practically unbreakable and leakproof. Comes complete with special petcock, each. .45

Jumbo Oil Gauge

One of the heaviest and most substantial gauges made. Has heavy cast brass body, thoroughly protecting the glass...



G6986—Jumbo Oil Gauge. .48

Pet-Cock Wrench

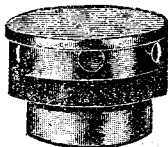
For use in opening pet cock to find oil level, without having to reach or crawl under car. Very convenient also to open the radiator drain cock which is quite hard to reach...



H7183—Petcock Wrench. .10

F-B Oil Saver

Replaces regular cap on oil filling pipe. Keeps all dirt, dust and moisture out of oil, which means improved lubrication and fewer troubles...

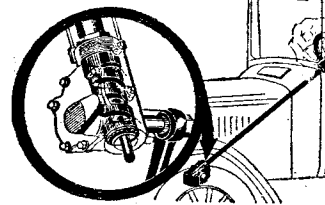


E6304—F-B Oil Saver, each. .85

Ross Steering Gear for Fords

For All Ford Cars and Ford Trucks

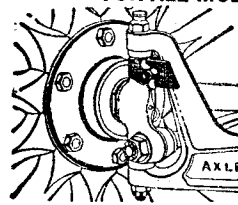
Easy Steering
Safety Stability \$8.95



With a Ross Gear your Ford car will handle twice as easily as before. A woman can handle it with ease under any conditions. The Ross Gear makes parking easy...

J7811—For all 1909-25 Fords and all Fordor Sedans. 8.95
J7812—For all 1926-27 Fords, except Fordor Sedans. 8.95
J7813—For all Ford one-ton Trucks. 8.95

Little Giant Shimmie Stopper FOR ALL MODEL FORD CARS

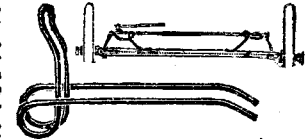


Stop that "shimmie" and do away with the danger and embarrassment it causes by installing a set of "Little Giants"...

B5257—Set of 2 Little Giants. 68

39c Stop that "Shimmie"

Consists of two springs made of heavy tempered steel wire, finished in black enamel. One end of each spring slips into the clevis at end of spindle connecting rod...



B5272—Set of two, complete. .39

"SPRING" Shimmie Stopper NO MORE SHIMMY

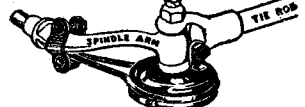


Take the looseness and play out of the steering arm clevis. Eliminate rattles in the steering gear and "shimmie" in the front wheels. Make steering much easier and safer...

B5258—Set of 2 Shimmie Stoppers. .42

"Red Disc" Spring Shimmie Stopper For Ford Cars

Consists of a steel disc that is held rigidly onto the steering arm bolt (as shown) and two strong steel springs that extend along the steering arm and are clamped to it...



B5273—Shimmie Stopper. .85

29c Sturdy Steering Column Brace For Ford Cars

It is dangerous to drive a Ford car without some kind of a steering column brace, as the column vibrates and makes it hard to hold the wheel. This brace is very desirable, as it makes the column rigid and prevents it from vibrating and rattling...

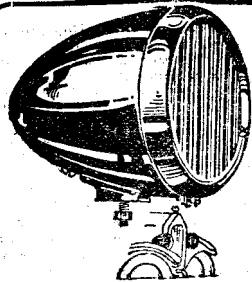


B6294—Brace complete for any model Ford car with metal instrument board. .29

Steering Column Brace

Supports the steering column and prevents the base of the column loosening at the dash. It also prevents excessive vibration and rattle of the steering wheel and makes it solid. An absolute necessity on every Ford car. Fits all models. Strong and substantial. B5243—Steering Column Brace. (Shipping weight, 1lb.) .48

Bullet Headlamps for ALL CARS



The new, popular style headlamp that so many of the new 1927 model cars including Dodge, Chevrolet, Chrysler, etc., are now coming equipped with. They are, without doubt, the most beautifully shaped headlamps ever designed, which accounts for their wide popularity. The body of the lamp is of stamped steel finished in flint-hard baked on black enamel, with a polished nickel rim.

The reflectors are parabola shaped, silver plated and highly polished so these headlamps give a bright, strong, straight beam of light. The lens are the well-known Ridged type that is standard equipment on most cars. Focus adjusting screw is easily accessible at the rear of lamp. All lamps come complete with 21 c. p. bulb, legal lens, and brackets for attaching to car. Sold only in pairs.

Give make, year and model of car.
C5885—Pair complete for all cars except Dodge (Ship. wt., 14 lbs.) **7.95**
C5865D—Pair complete for any model Dodge (Ship. wt., 14 lbs.) **8.95**

Bullet Headlamps for FORD, CHEVROLET and other LIGHT CARS
 Exactly like standard lamps on 1927 Chevrolets.

C5866—Pair complete for all Fords except early 1926 with headlamps on fenders (Ship. wt., 11 lbs.) **5.95**

C5866A—Pair complete for 1926 Fords with headlamps on fenders (Ship. wt., 11 lbs.) **5.95**
C5867—Pair complete, with single contact bulb, for Chevrolet and other light cars. (Ship. wt., 12 lbs.) **5.95**

Headlamps and Parts for Chevrolet

Standard replacement for Chevrolet. Exactly the same in shape, finish, size and quality as the regular Chevrolet equipment.

C5846—Headlamp for 1923-25 (as illustrated), complete, with silvered reflector, 21 c. p. bulb, and legal lens (Ship. wt., 5 lbs.) each **2.95**
 Pair (Ship. wt., 10 lbs.) **5.45**

C5800—Rim, 1923-25, nickel finish with black inlay (Ship. wt., 1 lb.) **.55**

C5902—Rim for 1926 Model V (Wt., 1 lb.), each **1.35**

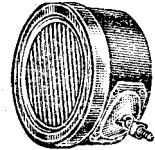
C5897—Reflector for 1924-26; ribbed, flat-light style (Ship. wt., 1 lb.), each **1.28**

C5903—Reflector for 1927 Model AA (Wt., 1 lb.), each **1.28**

C5891—Lens, plain glass for late '23, all '24, and 1925 Superior and Model K (Ship. wt., 1 lb.), each **.14**

C5890—Lens, for '26 Model V (Wt., 1 lb.), each **.14**

C5888—Reflector Cord, all models, per ft. **.4c**



Headlamps and Parts for Dodge

Standard replacement headlamp parts for Dodge.

C5865D—Bullet shaped Headlamps, same as 1926-27 factory equipment. Wt. 14 lbs. pair **7.95**

C5865DX—Each **4.75**

C5865D—Pair **8.95**

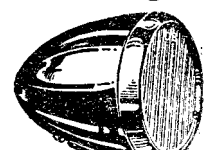
C5896—Headlamp Reflector, all models to '26 (Ship. wt., 1 lb.), each. **1.45**

C5899—Headlamp Rim, all models to '26 (Ship. wt., 1 lb.), each **1.45**

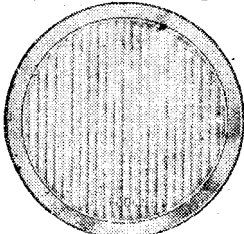
C5924—Headlamp Lens, all models to '26, 8 3/4", McKee (Ship. wt., 1 1/2 lb.), each **.45**

Pair (Ship. wt., 3 lbs.) **.85**

C5888—Reflector Cord, all models, per ft. **.4c**



McKee Spreadlight Lens



An unusually fine lens of clear crystal with ridges up and down on its surface to eliminate glare, but so made that the light from your headlamps is strong, bright and clear. **Guaranteed to meet the legal requirements of any State in the Union.** Used as factory equipment on most makes of cars.

Ship. wt., pair, 3 lbs.

C5921—Special for Ford, per pair **.39**

C5932—7 1/4-in. (for Chevrolet Superior) pair **.78**

C5922—8-in. pair **.85**

C5924—8 3/4-in. pair **.85**

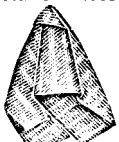
C5926—8 3/4-in. pair **.85**

C5928—9-in. pair **.85**

C5930—9 1/4-in. pair **.85**

C5931—9 3/4-in. pair **.85**

Polishing Cloth for Reflectors and All Metal Surfaces
 This prepared cloth is the best reflector polisher we have ever seen. It gives a brilliant shine without injuring it in any way. Buy one and use it—you will be pleased with the increased light. Fine also for polishing bumpers, nickel radiator shells or any other polished metal surface.
C6903—Cloth (Ship. wt., 4 oz.) **.29**



Head Lamp Visors For All Cars

Concentrate the light on the road. Give better driving light. Prevent your headlights blinding those you meet. Add to appearance of any car. Made of metal with highly polished finish. Easily put on by inserting the flange of the visor between headlamp rim and lens. Holds itself rigidly in place—will not rattle or fall out. Fit all cars. Ship. wt., pair, 1 lb.

C5837—Visors, brass nickel-plated, per pair **.95**

C5839—Visors, polished aluminum, per pair **.49**

Headlamp Parts for Fords

Exact replacement headlamp parts for Fords.

E6556—Lens, square sides (Ship. wt., 1 1/2 lbs.), each **.23**

Per pair (Wt., 2 1/2 lbs.) **.42**

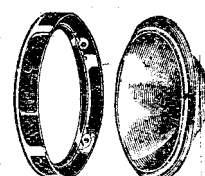
C5890—Lens, plain glass, round size 8 3/4" (Ship. wt., 10 oz.), each **.14**

C5898—Headlamp Rim, Black finish (Ship. wt., 8 oz.), each **.20**

C5901—Headlamp Rim, Nickel finish (Ship. wt., 8 oz.), each **.42**

C5895—Headlamp Reflector (Ship. wt., 10 oz.), ea. **.42**

C5868—Reflector Cord, per ft. **.4c**



REPLACEMENT HEADLAMPS

FOR FORD CARS—Complete with Bulbs and Legal Lens

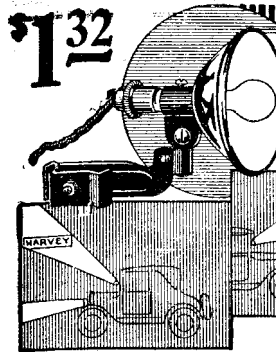
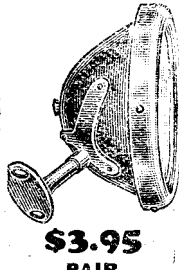
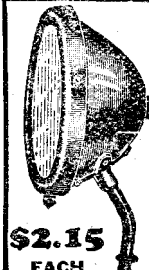
Match exactly the size, shape and finish of the lamps that came on the car. The body of our lamps are made of strong stamped steel, finished in hard, baked-on black enamel. They are equipped with the best silvered reflectors and latest legal lens. Throw a light equal to the light of the original lamps when they were new. Price includes brackets for attaching lamps to car, reflectors with cord, lens, and bulbs, all ready to put on. (Ship. wt., pair, 10 lbs.)

C5840—For 1915-20 Ford cars (9-volt, double contact bulbs) each **3.15**
 Per pair **3.65**

C5843—For '21-25 Ford cars, with double filament bulbs, ea. **2.15**, pr. **3.65**

C5841—For early 1926 Fords, to mount on fenders, has nickel headlamp rim, each **2.15** per pair **3.95**

C5842—For late 1926 and all 1927 Fords, to mount on tie rod, has nickel headlamp rim, each **2.15** per pair **3.95**



FOR SAFETY HAVE A FOR CONVENIENCE SAFETY TO SAVE TIME SPOTLIGHT

You need a spotlight on your car, for finding directions, to use as an emergency headlight, for finding addresses, for use as a trouble lamp, and many other uses. Our "Safety" fills these needs more perfectly than any other spotlight at anywhere near the price. Therreflector shell is extra strong and is finished in lustrous, baked on, black enamel. Theswitch is in the handle and is amply large and easy to operate. Reflector is silverplated. Lens is 4 1/2" diameter, is clear and of the convex type. The rim is nickel plated. Light can be turned in any direction and focused to any desired beam. The bracket is stamped steel, very strong, and will fit on any closed or open car. Light may be detached from bracket for use as a trouble light. Complete with 6-v. 21 c. p. bulb and ample wire for attaching. Ship. wt., 1 1/2 lbs.
C5812—Safety Spotlight, complete, with 6 volt bulb **1.32**
 With 12 or 18 volt bulb **1.32**
C5790—Lens for any 4 1/2-inch spotlight (Wt., 8 oz.) **1.25**

Anderson Auto Reelite and Trouble Lamp THE ONLY SPOTLIGHT WITH A REEL

The new model. Reelite three lights in one—a beautiful spotlight, a convenient trouble lamp, and a very handy portable lamp. A reel enclosed in the lamp carries 12 feet of extension wire. This allows you to detach and carry the lamp where you need it. When you desire it the reel automatically pulls the cord back into the lamp. Always ready for use. Throws a long powerful beam of light. Spotlight is black enamel with nickel trimmings and silvered reflector. Has convenient switch in handle. Comes complete for attaching to any open or closed car. Ship. wt., 4 lbs.

C5852—Auto Reelite with 6 volt, 21 C.P. Bulb **5.95**

C5853—Extra Lens for Auto Reelite, 5 1/2" dia. **2.88**

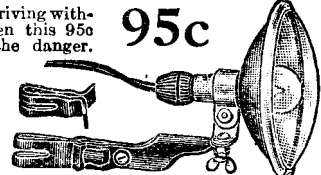
C5854—Extra Lens for Auto Reelite, 4 3/4" dia. **2.88**

C5856—6 in. Spotlight Lens **2.88**

Our Low Priced Spotlight

A GOOD LIGHT FOR A LOW PRICE

Don't risk night driving without a spotlight when this 95c light will prevent the danger. Gives you a clear bright light far ahead of you. Can be turned to any desired angle. Adds to the beauty of your car.



Full size 4 1/2 in. white polished rustproof reflector; rust proof switch convenient in handle. Lamp and bracket finished in durable black enamel. All other metal including rim nickel plated. Focus can be easily changed if desired. Bracket is extra strong and rattle proof. Special fitting makes light fit any make or model car. Comes complete with 6 volt bulb and 40 in. of weatherproof wire—ready to attach to your car.

C5783—Spotlight complete (Ship. wt., 12 oz.) **.95**

FOR DRIVING SAFELY AT NIGHT YOUR CAR NEEDS A ROADLIGHT

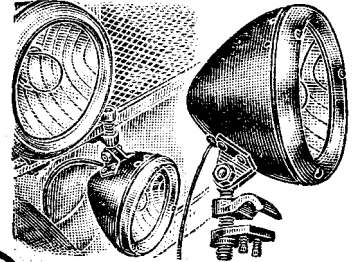
ROADLIGHT

Blinding headlights cause thousands of accidents. Every time you drive at night you run the risk of bright headlights blinding you and causing you to drive off the road into the ditch, ruining your car, perhaps, and endangering your life. Don't take chances any longer, install one of our roadlights on your car. Attaches to the front of the car and throws a concentrated beam of light down your side of the road only, making it impossible for bright headlights to blind you. Legal in every state, necessary everywhere.

PARALLEL RAY HEADLIGHTS

The reflector of this roadlight is silver plated and so made that the beam of light it throws is exceptionally concentrated and straight. The lens has ridges in it that deflect the rays of light onto the road. Lights up the right side of the road and the ditch even more plainly than the headlights, but causes no glare in the eyes of an approaching driver. Made of strong sheet steel, with baked-on black enamel finish, and nickel rim. Looks beautiful on a car. The bracket is made of stamped steel of ample strength. It attaches to tie rod, fender, bumper, or anywhere at front of car and is adjustable so that roadlight may be set at any angle or position desired. Not only is this an excellent roadlight, but used together with your headlights it makes road as light as day. It also makes an excellent emergency headlight in case of trouble. Comes complete with 6 volt, 21 c. p. bulb, ample wire, and

C5754—Drum Type control switch to go on the dash. Two styles to choose from. **C5755**—Bullet Type Roadlight, complete **2.35**
 Roadlight, com. **2.35** Ship. wt., 3 lbs.



DELUXE ROADLIGHT

WITH FAMOUS BROWN FLAT LIGHT REFLECTOR
 Extra quality throughout. Extra thick steel shell with flint-hard lustrous baked-on black enamel finish. Beautiful nickel-plated rim. The bracket is an extra heavy threaded bar built right into the lamp and with 2 cast malleable clamps for attaching to tie rod (as shown in illustration) or any other place at front of car. No amount of vibration and jars will cause this bracket to come loose or rattle or slip from where you place it and this lamp will always be in focus when you need it. Not only is this lamp Deluxe in appearance and construction but it has the famous Flat Light Reflector with a clear lens and throws the most powerful and intense beam we have ever seen from a road light. Lights the road and ditch far in advance, yet does not cause glare.

A road light that any car owner will be proud of. Comes complete with 6 volt, 21 c. p. bulb, all necessary wire, and a switch to go on dash. Ship. wt., 4 lbs.
C5855—Deluxe Roadlight, complete for all 6-volt cars **3.15**

"Universal" Dash Lamp
FOR ALL CARS WITH METAL DASH

Beautiful nickel plated dash lamp for any car with metal dash. Especially adapted for use on Ford cars with battery. Easily installed. Drill hole in dash, insert shank, and tighten lock nut. Then connect the wire to the dash switch. Note small shank which makes installation easy. Has switch in stem. About 10 in. wire furnished.

C5801—Lamp with wire, less bulb (Ship. wt., 8 oz.) .32
E6577—6-volt-2 c. p. s. c. bulb for above .16
E6581—12-volt, 2 c. p. s. c. bulb for above .16
C5802—Nickel Dash Lamp Cap, only .12



Dash Lamp for 1926-27 Ford Cars

A very handy dash lamp for 1926-27 Ford cars. Bolts on the top screw between the switch and ammeter and sets up high so that dash is well illuminated. Neat and well made of strong materials. Has switch in stem. Comes with wiring ready to install. Ship. wt. 8 oz.

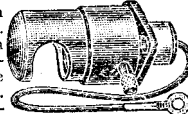
C5803—Dash lamp, 1926-27 Ford, less bulb. .36
E6577—6 Volt, 2 c. p. s. c. bulb for lamp, each .12



Regular Dash Lamp, 1926-27 Ford

An exact duplicate of the dash lamp furnished on 1926-27 Fords. Many people wish another dash lamp in addition to the one furnished and this one will match the one now on your car. Black finish. Switch in stem. Sufficient wire furnished. Our price does not include bulb. Ship. wt., 6 oz.

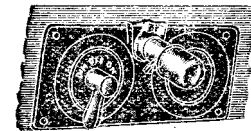
C5800—Dash lamp, without bulb. .39
E6577—6 volt, 2 c. p. s. c. bulb for lamp, each .12



Clamp-on Dash Lamp

FOR '09-25 FORD CARS
Meets the objections to other styles of dash lights that it is necessary to cut the instrument board in order to put them on. This style simply clamps on the instrument panel—no holes to drill or screws to drive.

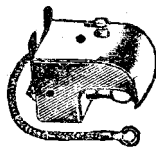
Ship. wt., 1 lb. Price includes 6-volt bulb.
C5807—Clamp-on dash lamp with bulb .42



Special Clamp-On Dash Lamp
FOR 1909-25 FORD CARS

A dash lamp of unusual and unique design which illuminates the entire dash but effectively shields the eyes. Off and on switch conveniently located on top of shield. Shield removable so bulb can be replaced. Easy to install—clamps on instrument panel. No drilling or screws required. Beautifully finished in nickel and zinc plate. Rust proof. Made of best materials. Ship. wt., 1 lb.

C5826—Special Dash Lamp, complete with 6 volt bulb, each .68



Jewel Dash Lamp Cap

Multi-colored jewels set in heavy metal, throw beautiful rays of colored light thru the interior of the car. The eye never tires of the delicate hues, yet a strong white light illuminates the dash. Draws exclamations of pleasure whenever seen. Made of heavy cast metal with jewels firmly imbedded. Easily installed on any standard dash lamp and holds permanently in place. Ship. wt., 8 oz.

C5827—Jewel Dash Lamp Cap, each .58



Fancy Dash Lamp Cap

A specially designed nickel plated cap, perforated in attractive design so that while there is still a white light on the dash, red, blue and green pyralin inserts color the light to your eyes. Will fit any standard dash lamp.

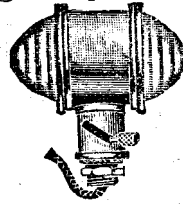
C5816—Fancy Dash Lamp Cap (Ship. wt., 4 oz.) .33



Electric Parking Lamp

Install this parking lamp on your left rear fender and save your battery; yet comply with the law by having a light to protect your car from being struck. Has a red lens to rear, white to front. Body is polished nickel. Requires only one hole through the fender to install, and will not rattle. Comes equipped with bulb wire, and switch ready to install. Ship. wt., 1 lb.

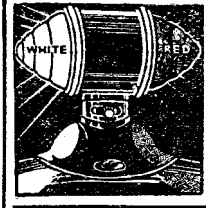
C5810—Lamp with 6-v. bulb. .68



Smith Electric Parking Lamp

A very attractive lamp, with red lens to rear and white to front, for mounting on fender. Has polished nickel finish. Switch is contained in stem of lamp. Has a flat base with two holes, so that installation requires punching two small holes, to correspond, in the fender. Comes complete with bulb, and switch ready to install. Ship. wt., 1 lb.

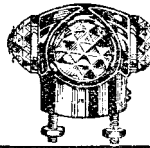
C5809—With 6-volt bulb .78



3 Jewel Parking Lamp

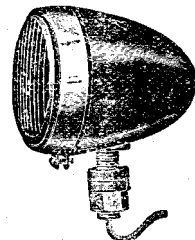
Has a fine black enamel case with clear lens in front, rubylens in rear and green lens on side, thus giving complete parking protection. Fits snugly against fender and gives the appearance of being part of the car. Lamp is 2 inches high, length over all 2 1/2 inches. Come with 6-volt bulb. Ship. wt., 8 oz.

C5817—Each .78



Bullet Shaped Side Lamps

Designed to match the bullet head lamps so many 1927 cars are equipped with. Very popular because of their utility as parking lamps, for driving during dusk, etc., as well as for their beauty. Finished in brilliant black enamel, with polished nickel rim. Length 3", diameter 2 1/2". Fit on practically any cowl. Come with 2 c. p. bulbs, wire, and fittings. Ship. wt., 2 lbs.



C5864—Bullet side lamps, Pair .95

Drum Side Lamps
For All Cars

Match drum type headlights. Fit on cowl of practically any car. About 3 inches high, with frosted lens 1 1/2" in diameter. Finished in black baked enamel, with nickel plated front rim. Right hand lamp has green side jewel and left hand lamp has red jewel. Comes complete with 6-volt, 2 c. p. bulbs and 12" wires. Easily installed. Ship. wt., nr. 2 lbs.

C5844—Lamps, pair .95



Ediswan Capped Socket

Used generally with capped plug **C5746-47**. Used where you desire to break connections, without interfering with wiring. Screw terminals. Nickel finish, with hard rubber cap. Wt., 2 oz.

C5750—Two-point contact .11
C5751—One-point contact .11



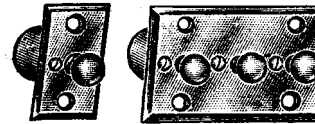
Single to Double Plug

If you have a single-contact dash lamp or socket, and wish to use a double-contact trouble lamp or spotlight, use this Single-to-Double plug. Ship. wt., 2 oz.

C5758—Single to Double Plug .18



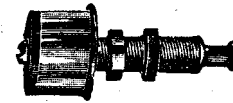
Push and Pull Lighting Switch



A neat, easily installed switch which operates by pulling out or pushing in on the buttons. Made of best materials and nicely finished. (Ship. wt., 6 oz.)

C5731—1 Gang, 1 1/2" high, 1" wide .22
C5732—2 Gang, 1 1/2" high, 1 1/2" wide .44
C5733—3 Gang, 1 1/2" high, 2 1/4" wide .66

Concealed Type Push and Pull Switch



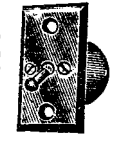
A high-grade lighting switch that is very popular because it can be installed without cutting such a large hole in the dash or instrument board. Simply drill 3/8" hole, push stem of switch back through it and tighten lock nuts. Only part which shows is the plunger. Works on either metal or wood supports, up to 1/2" thick.

C5729—Concealed Type Switch, (Ship. wt., 6 oz.) .17

Toggle Switch

This switch has a lever, which is pushed up or down to turn lights on or off. When the lever is up, the lights are on; when the lever is down, the lights are off. Finished in black enamel. Can not short-circuit. (Ship. wt., 6 oz.)

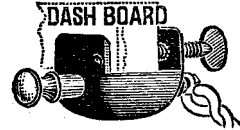
C5756—1 gang Toggle Switch .19



Clamp-On Dash Switch
FOR ALL CARS

Instead of having to bore a hole in the dash just slip this new clamp-on switch on the bottom edge and tighten the thumb screw. Will fit either wood or metal dash. Holds very firm—will not jar loose or rattle. Finished a dull black with nickel pull and push knob. Practical and very neat.

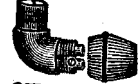
C5730—Clamp-on Switch (Ship. wt., 8 oz.) .29



Elbow and Straight Plugs

Made of hard rubber, with screw cap. Cap acts as a support for the connecting cable. Length, 1 1/2 inches; diameter, 9/16 inch. Wt., 2 oz.

C5744—Elbow plug, double contact .17
C5745—Elbow plug, single contact .17
C5746—Straight plug, double contact .7c
C5747—Straight plug, single contact .7c
C5743—Cap only for light plug (Wt. 2 oz.) .4c



Lamp Sockets

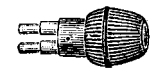
Ship. wt., 2 oz.
Plain, (Without Attachment) (Not Shown.)
C5727—Double contact .15
C5728—Single contact .15
Adjusting Type (Illustrated)
C5736—Double contact (for Ford headlights) .19
C5735—Single contact. (Chevrolet and Maxwell) .19



Tail Lamp Plug

Made of hard rubber with screw cap. Contact points are well soldered. Ship. wt., 2 oz.

C5752—Single contact. Each .12
C5753—Double contact. Each .12



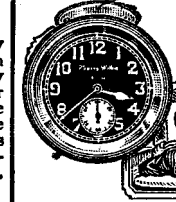
Lamp Socket

Made with strong Ediswan spring connections. Screw terminals.

C5748—Double contact. Each. (Ship. wt., 2 oz.) .12
C5749—Single contact. Each. (Ship. wt., 2 oz.) .12



Genuine Phinney-Walker
8-Day Overhead Clock



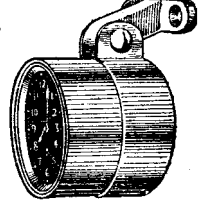
A beautiful, 6 jewel clock which attaches by 2 screws above the windshield where all the occupants of the car may see it. Genuine Swiss movement and will last a lifetime. Built like an expensive watch. Will stand vibration of car and keep accurate time. Easily installed or removed. May be easily transferred from your old car to a new one. Runs 8 days with one winding. Rim is knurled and serves as a key to wind and set clock, entirely eliminating necessity of a key. Diameter of face, 2 1/2 inches, clock only 3/8-inch thick. Finished in beautiful nickel plate—an ornament to any car. Has luminous figures and hands permitting easy reading night or day. Comes in a beautiful velvet lined box. Here is something that makes an unusual, but pleasing, Xmas gift. Regular price \$17.50. Ship. wt., 8 oz.

Our Reduced Price
A5008—Phinney-Walker 8-day Clock. 11.95
A5003—Phinney-Walker Clock, 30-hour movement fastens above windshield like A5008, but has only four jewels and no minute-hand (not illustrated). 6.95

Electric Auto Clock
Your Battery keeps it wound

Movement consists of a regular high-grade clock and an electromagnet which automatically winds the main spring every 30 seconds. Consumes less current than the smallest lamp bulb. Will keep accurate time year in and year out. Not affected by vibration or jars. Can be set and regulated like any other clock. Beautifully nickel plated with etched aluminum dial. Luminous dial and hands. Very substantially made. Designed especially to be installed above the windshield where every occupant may see it, but it may be installed in any convenient place. Fully guaranteed. Ship. wt., 3 lbs.

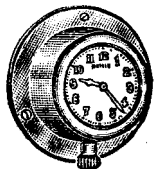
A5017—Electric Clock, for cars with 6-volt battery .95



FAVORITE AUTO CLOCKS

These Favorite Auto Clocks are sturdy in construction, exact and neat in workmanship, and beautifully finished. The brass case is so made and padded that it absorbs all shocks and vibration. Watch movement guaranteed 1 year. The ease with which they are installed is a very desirable feature. Ship. wt., 1 lb.

A5128—Auto Clock, regular nickel finish, with plain dial .2.48
A5129—Auto Clock, black enamel finish, with luminous dial 2.95
A5117—Clamp-On Favorite Auto Clock. Instead of attaching to dash by screws, this clock has a special clamp on bracket that makes installing easy. 3.65



Favorite Over-Head Auto-Clock

Has an offset bracket so that it can be attached to the car over the windshield or to the top, so that every occupant of the car can see it. Exceptionally well made and nicely finished. Comes with luminous dial and necessary fixtures.

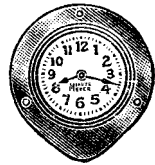
A5118—Overhead Clock 4.45



Minute Meter Auto Clock

A handsome, well made "clock-watch" which fits flush on any dash of any thickness. One day movement, provided with effective vibration absorber and guaranteed for a year. Easy to wind and regulate. Nickel-plated case. Ship. wt., 1 lb.

A5045—Minute Meter pl. dial 1.95
A5046—Luxite Minute Meter, with luminous dial for showing time in dark. 2.65



GENUINE



CHAMPION SPARK PLUGS



Champion Spark Plugs have the latest and most improved features of spark plug construction. They are used by practically all the best known racing drivers because of their great strength and durability, and because they deliver a hot spark under all conditions. All Champion spark plugs now are of the improved 2-piece construction, with heavy bodies, and are equipped with the new, improved, Sillimanite cores. Order a full set for your car today. You will save money by getting more power, better pick-up, and greater fuel economy.

WHY PAY MORE THAN OUR PRICE?

Champion Spark Plug, for any car listed below, each (Ship. wt., 5 oz.) **.64**
Champion Spark Plugs, for any car listed below, **Set of 4**, (Ship. wt., 1 lb.) **2-39**
Champion Spark Plugs, for any car listed below, **Set of 6** (Ship. wt. 1½ lbs.) **3-57**

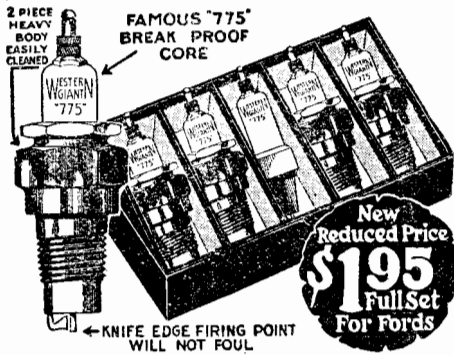
Ajax.....	No. 3 Flint.....	No. 2 Marmon (from '26).....	No. 1 Pontiac.....	No. 3
Auburn.....	No. 1 Gardner.....	No. 1 Marmon (to '26).....	No. 3 Reo.....	No. 7
Buick.....	No. 6 Gray.....	No. 6 Moon.....	No. 4 Rickenbacker.....	No. 6
Cadillac.....	No. 2 Haynes.....	No. 1 Nash.....	No. 6 Star.....	No. 3
Chandler (from '23).....	No. 2 Hudson (from '21).....	No. 9 Oakland (to '24).....	No. 6 Stephens.....	No. 3
Chandler (to '23).....	No. 4 Hupmobile 4 and 8.....	No. 2 Oakland (from '24).....	No. 3 Studebaker.....	No. 1
Chevrolet.....	No. 3 Hupmobile 6.....	No. 3 Oldsmobile.....	No. 6 Stutz 6.....	No. 3
Chrysler.....	No. 2 Jewett.....	No. 2 Overland 4.....	No. 7 Willys-Knight 4.....	No. 4
Cleveland.....	No. 3 Jordan.....	No. 4 Overland 6.....	No. 2 Willys-Knight, Light 6.....	No. 1
Durant 4.....	No. 6 Lexington.....	No. 1 Packard.....	No. 2 Willys-Knight, Great 6.....	No. 2
Durant 6.....	No. 1 Lincoln.....	No. 2 Paige.....	No. 2 Wills-St. Claire.....	No. 9
Dodge.....	No. 3 Locomobile.....	No. 1 Peerless.....	No. 4 Most Stationary Engines.....	No. 7
Essex.....	No. 9 Maxwell.....	No. 4 Pierce-Arrow.....	No. 2 Most Marine Engines.....	No. 7

D6152—Extra Core for D6147, D6148, each **.34**
D6153—Extra Core for D6145, D6146, D6149, D6150, D6151, each **.34**

Western Giant Spark Plugs for Fords

30 Day Trial

Order a set of Western Giant Spark Plugs today. Try them in your car for 30 days. Then if you are not satisfied that they are the best spark plugs you have ever used, return them to us and we will refund your money.



2 PIECE HEAVY BODY EASILY CLEANED
FAMOUS "775" BREAK PROOF CORE

New Reduced Price **\$1.95** Full Set For Fords

You will be pleased at the smoothness of running, the quicker pick up, the added power, and the gasoline economy that this set of Western Giant Spark Plugs will give your car. They fire every time with a hot, fat, spark and will soon pay for themselves in gasoline saved.

Western Giant Spark Plugs are almost twice as big and heavy as ordinary plugs. They embody the two-piece construction which permits easy cleaning, makes them leak proof, and insures hot, fat, sparks for the life of your car.

Knife Edge Firing Point is so constructed that it burns off any carbon that might collect there.

The Core is the Famous "775" Break-proof Gray Stone, the best core material known and is so strong and heavy that it will never break down even under the most intense heat and vibration.

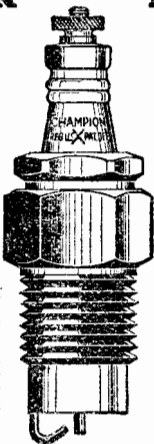
Western Giant Spark Plugs embody every good principle known in spark plug construction. They will give you satisfactory service year after year. They are sold to you backed by our unconditional guarantee of free replacement in case of trouble from any cause. Why put up with spark plug troubles any longer when \$1.95 will give you a guaranteed spark plug service as long as your car lasts. Take advantage of the new reduced price and 30-day trial offer.

D6033—Complete Set of 4 Western Giant Spark Plugs for Ford cars. With one extra "Emergency Core". (Ship. wt., 1½ lb.) **1.95**

Genuine Champion X Spark Plugs

For Fords

Each in lots of 4 **49c**
Each for less than 4 **52c**



Heavy two piece body, new style long skirt, genuine Sillimanite Core.

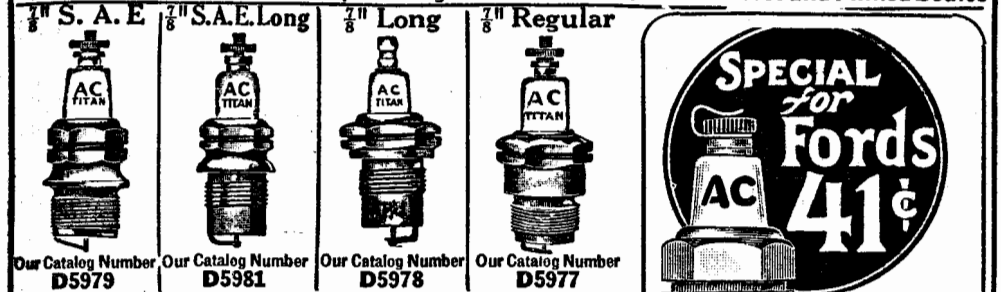
Used as standard factory Equipment on Ford cars and Ford Trucks.

Our Reduced Price

D5975—For Ford Cars and Ford Trucks. (Ship. wt. 5 oz.) each **.52**
Set of 4 (Ship. wt. 1 lb.) **1.95**
D5976—Extra Core, for extension type plug, each (wt. 2 oz.) **.23**
D5970—Extra Core for old type plug without extension (not shown) each (wt. 2 oz.) **.23**
Extra Gaskets for Champion Plugs
D5988—Upper Gasket, set of 4 **9c**
D5989—Lower Gasket, set of 4 **9c**

GENUINE SPARK PLUGS

New Improved One Piece A-C Spark Plugs With New Carbon Proof Cores and Finned Bodies



AC Spark Plug for any car listed below, each (Ship. wt. 6 oz.) **64c**

Ajax.....	D5977	Essex.....	D5983	Nash.....	D5982
Allen.....	D5977	Flint.....	D5977	Oakland.....	D5981
Apperson.....	D5979	Franklin.....	D5981	Oldsmobile 4&6.....	D5981
Briscoe.....	D5977	Gardner.....	D5972	Oldsmobile 8.....	D5977
Buick.....	D5978	Gray.....	D5981	Overland 4.....	D5971
Cadillac.....	D5977	Haynes (to '21).....	D5979	Overland 6.....	D5977
Case.....	D5977	Hudson (to '21).....	D5977	Packard.....	D5977
Chalmers.....	D5977	H'ds'n (after '21).....	D5983	Paige.....	D5977
Chandler.....	D5972	Hupmobile.....	D5977	Reo.....	D5971
Chevrolet.....	D5978	Jewett.....	D5977	Saxon.....	D5981
Cleveland.....	D5977	Jordan.....	D5977	Scripps-Booth 4.....	D5978
Cole.....	D5977	Kissel-Kar.....	D5978	Star.....	D5977
Dodge.....	D5973	Lexington.....	D5979	Stephens.....	D5978
Dort.....	D5977	Maxton (to '26).....	D5979	Stearns.....	D5979
Durant 4.....	D5981	Maxwell.....	D5977	Studebaker.....	D5979
Durant 6.....	D5979	Mitchell.....	D5978	Stutz.....	D5979
Egin.....	D5977	Moon.....	D5977	Vello.....	D5977



Two-piece heavy construction permits easy cleaning. Firing points do not foul. Carbon proof points insure less trouble. Ship. wt., 5 oz. D5974—For Ford cars & trucks. **41c** D5993—Extra core **.25**

SPLITDORF 42¢ FOR ALL CARS spark plugs

Genuine Splitdorf with genuine heat-proof, vibration-proof, "775" cores, screwed in electrodes and wrapped asbestos packing insulation; for all cars listed below. Replace with Splitdorfs—save one third. For Any Car Shown Below (Ship. wt., 6 oz.) Each **42c**

Buick.....	No. 7 Nash.....	No. 7
Chevrolet.....	No. 8 Oakland.....	No. 7
Cleveland.....	No. 4 Olds., 4 and 6.....	No. 7
Chrysler.....	No. 4 Olds., 8.....	No. 4
Dodge.....	No. 8 Overland 4.....	No. 1
Durant 4.....	No. 7 Pontiac.....	No. 8
Durant 6.....	No. 5 Reo.....	No. 1
Hudson.....	No. 9 Studebaker Light 6.....	No. 8
Essex.....	No. 9 Stutz.....	No. 8

Equipped with strong, genuine "775" cores which will not break from heat or vibration. Insulation is of wrapped asbestos packing instead of an ordinary gasket. Body is strong and heavy and is of 2-piece construction, making it easy to clean. New style long skirt. Ship. wt., each, 5 oz.

D5962—For Ford cars and trucks, each **.37**
Set of 4 **1.35**
D5966—Extra core (Ship. wt., 2 oz.) **.28**

"Sure-Shot" Spark Amplifiers

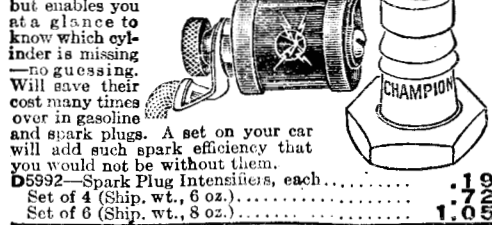


Give a hotter spark—more power—easy starting—eliminate carbon—save gas. Stop oil pumping. If your motor pumps oil, fouls spark plugs, wastes gas, or carbonizes badly, the chances are you need a hotter spark. "Sure-Shots" spark Amplifiers give a hotter spark and will remedy these troubles. They can be installed in two minutes by anyone. After installing them you will be delighted with the added "pep" and power of your car. You will also notice a big saving in your gasoline bill.

Order a set for your car—they are sold with our guarantee of "Satisfaction or Money Back." Price does not include Spark Plug. (Ship. wt., 2 oz.)
D5999—"Sure-Shot" Amplifiers, each..... 10

Spark Plug Intensifiers

Makes old Plugs work like new. An ingenious device which not only keeps carbonized plugs firing every time, but enables you at a glance to know which cylinder is missing—no guessing. Will save their cost many times over in gasoline and spark plugs. A set on your car will add such spark efficiency that you would not be without them.



D5992—Spark Plug Intensifiers, each..... 10
 Set of 4 (Ship. wt., 6 oz.)..... 1.05
 Set of 6 (Ship. wt., 8 oz.)..... 1.05

Horse Shoe Porcelains

FIT CHAMPION X PLUGS

This is a good quality core made of genuine glazed porcelain. It has a hollow skirt to prevent excessive carbon accumulation. The center wire electrode is made of high quality chrome steel. The body of the porcelain is large and strong. Exactly fits Champion X Spark plugs. Complete with 2 copper gaskets.
D5980—Porcelain (Ship. wt. 2 oz.) each..... 10
 Set of 4..... 1.35
 Per dozen..... 1.15

"Utility" Wrench for Ford



Made with socket on one end to fit Ford cylinder head cap screws and lug bolts. The open end fits Champion X Spark Plugs and the wrench has the proper curve to make it reach the plugs easily. Plain black finish. Length about 10 inches. Shipping weight, 1 1/2 lbs.
H7189—Utility Ford Wrench..... 26

Double-End Spark Plug Wrench

A very handy tool for removing and replacing spark plugs. Two wrenches in one. Will fit almost any make and size of plug. This is a milled wrench and not the easily broken stamping sometimes offered. Shipping weight, 8 oz.
H7582—Openings 1 1/4 and 1 1/8, fits Champion X Plugs..... 30
H7583—Openings 1 1/4 and 1 1/8, fits Western Giants..... 30

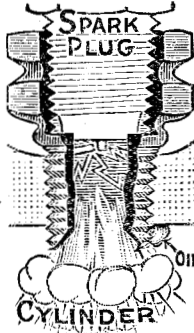
Spark Plug Brush

Very convenient for cleaning plugs. Ship wt. 4 oz.
D5933—Spark Plug Brush..... 13

Spark Plug Gasket

Best quality gaskets for 1/8 spark plugs. Will not work on Champion X plugs. (Ship. Wt., set of 6, 2 oz.)
D5997—1/2 dozen..... 8c

28c



Fire Cups

FOR POPULAR CARS
 Will positively prevent fouling of plugs in oil-pumping cylinders. Fire Cups serve as a special firing chamber for the spark plugs so that oil, which gets by the pistons, and would soon foul your plugs without Fire Cups, cannot reach them when Fire Cups are used.

Save you trouble and gasoline. Order a set of Fire Cups for your car today, and if after 10 days trial you are not absolutely satisfied, return them and we will refund your money. Ship. wt., each 8 oz.

D6075—1/2" size (For Fords)..... 28
 Set of 4..... 96
D6076—3/8" size..... 29
 Set of 4..... 98

Exhaust Pipe Pack Nut Clamp

FOR FORD CARS

Keeps the exhaust pipe pack nut, which on many cars comes loose frequently, from unscrewing and causing rattles and fumes in the car or even letting the exhaust pipe drop. Bolts around the exhaust pipe and special shaped tab holds nut tight at all times.
C5651—Pack Nut Clamp, (Ship. wt., 8 oz.) each..... 15

Exhaust Pipe Flange Repair

FOR FORD CARS

Many otherwise perfect exhaust pipes have to be thrown away because they chip or split at the flange where they attach to the manifold, becoming noisy and letting exhaust gases escape into the car. Our flange repair will repair this perfectly and save the cost of a new pipe—simply slip it into the old pipe, tighten up the nut and you have a joint as good as new. Ship. wt., 8 oz.
B5283—Flange repair for all model Fords..... 25

Power-King Muffler for Ford Cars

Reduces back pressure and noise to the minimum. Note the complete absence of all tubes and baffle plates. Observe the free easy path for the gases. Nothing to clog up or get out of order.
 Many users are getting from three to five more miles from every gallon of fuel with the use of a Power-King muffler. Substantially made and easy to install. Remove old muffler and slip the new one right on, using same bolts. For use on 1921-26 cars, exhaust pipe should be sawed.
B5469—Power-King Muffler. (Ship. wt., 6 lbs.)..... 1.65

Exhaust Deflector

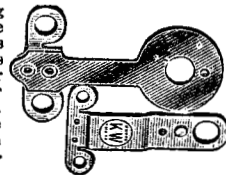
FOR 1921-26 FORD CARS
 Deflects oil, heat or smoke from tires and bumper. Does not interfere with exhaust in any way. Made of strong cast malleable which will not break off like cheap sheet metal defectors. (Ship. wt., 8 oz.)
D6019—Exhaust Deflector for 1921-26 Fords..... 42

Exhaust Extension and Deflector

FOR 1921-26 FORDS
 Fastens securely to the muffler and carries exhaust gases back beyond the spare tire. Keeps tires and bumpers clean. Helps greatly in quieting the exhaust. Made of strong sheet steel, black enameled.
W8296—Muffler Extension 1921-26 (Ship. wt., 3 lbs.)..... 95

Genuine K. W. Coil Points

K. W. Coil Points have long been recognized as one of the best on the market. The plates are strong and the materials are the very best. Will wear much longer and give a hotter spark than ordinary points. These we are offering are the new improved bridge type with which Ford cars are now coming equipped from the factory.

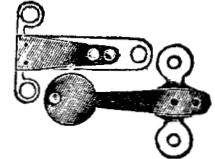


Sold only in pairs. Ship. wt., 2 oz.
C5701—K. W. Coil Points, per pair..... 16
 Full set of 4 pairs..... 60

"Western Giant" Bridge Type Coil Points

FOR FORD CARS

Ford cars are now being equipped with the bridge type coil points. Our bridge type coil points have the same Tungsten contact points and the same steel vibrator as are used in other type "Western Giant" coil points. The only difference between them is in the way they fasten to the coil box. Sold only in pairs. Ship. wt., 3 oz.
C5703—Bridge Type Coil Points, per pair..... 15
 Full set of 4 pairs..... 50

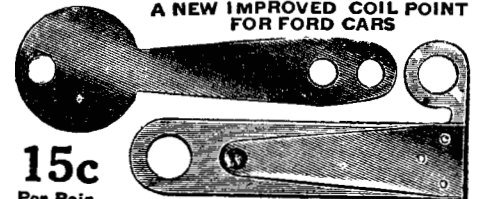


File for Coil Points



"Western Giant" Coil Points

A NEW IMPROVED COIL POINT FOR FORD CARS



15c Per Pair
 Our "Western Giant" is a new improved coil point that has proved itself thoroughly serviceable and dependable in the test of actual use. Tens of thousands of our customers are using these coil points with perfect satisfaction. Made of the best materials, with genuine Tungsten contact points and will give a good hot spark at any engine speed. Fit right on in place of the regular points; no changes to make. Sold only in pairs. Ship. wt., 2 oz.
C5705—"Western Giant" Coil Points, per pair..... 15
 Full set of 4 pairs..... 50

Replacement Coil Points FOR FORD CARS

Regular standard replacement coil points, with Tungsten contact points. Well made of good material and very durable, will not fit on bridge type coils. Sold only in pairs. Ship. wt., per pair 2 oz.
C5884—Replacement Coil Points, per pair..... 8c

By using this file you will be surprised to see how easy it is to keep the points in condition.
H7330—Coil Point File (Ship. wt., 2 oz.)..... 10

Dashboard Ammeters

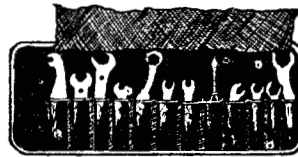
FOR ALL CARS

A regular replacement ammeter. The moving parts are few and light so that any amount of jarring does not cause friction at the bearings. Case is made of brass, handsome black finish, neat in appearance. Scaled 0 in center and shows charge or discharge up to 20 amperes. (Ship. wt. 12 oz.)
 1 1/2 inch black bolts furnished so meter may be bolted to any kind of dash.
C5714—Ammeter for Ford Cars, 1917-25..... 39
C5720—Ammeter for 1926-27 Ford..... 39
C5715—Ammeter for any other car..... 35



Auto Electrician's Tool Kit

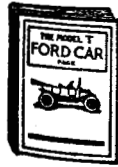
A complete kit for mechanic or car owner, covering all requirements of overhauling, repairing and adjusting ignition systems. Consists 12 pieces, consisting of Magneto Wrenches, Special Screw Drivers and Contact Aligners in a neat leatherette case. For use with all ignition systems. Well made, durable tools. Our Reduced Price
H7351—Electrician's Tool Kit. (Ship. wt., 8 oz.)..... 89



Instruction Book for Ford Cars

LATEST EDITION

Tells you in plain language and by plates, diagrams and pictures of the construction, operation and repair of the Ford Car. Tells the how and why of everything—things every Ford owner should know. Contains 410 pages, 155 illustrations and plates. Covers the Ford car, Fordson Tractor, and one ton Truck. Learn to take care of your car right—save time, grief and money. Reg. Price \$2.00.
A5085—Ford Instruction Book, (Ship. wt., 2 lbs.)..... 1.48
A5086—Trouble chart. Tells how to find and remedy ordinary engine trouble on Ford cars (Ship. wt., 4 oz.)..... 28



Standard Coil Units

FOR FORD CARS AND FORDSON TRACTORS

These Coil units are identical with those furnished as regular equipment on Ford cars and Fordson tractors, being interchangeable with coil units used on all Ford cars since 1914. Coil units should not be neglected for they are frequently the cause of trouble blamed on carburetor, magneto or spark plugs; when they show signs of weakness they should be replaced with new ones. Ship. wt., 2 lbs.
C5670—Standard Coil Unit, Tungsten Points, for Ford Cars or Trucks or Fordson Tractors, each..... 1.14
C5702—Genuine K. W. Coil Units, universally recognized as highest quality—for the man who wants the best, each..... 1.45



Ignition Switch Keys

FOR FORDS AND CHEVROLET

We can furnish a key for any regular Ford or Chevrolet ignition switch. It pays to keep an extra key on hand. Be sure to give number stamped on the face of your lock. This number is also stamped on the key. Ship. wt., 1 oz.
We cannot fill orders unless number of key is given.
A5040—For Ford with switch on dash, each..... 8c
A5009—Universal Key for Chevrolet 1920-26, each..... 9c
OLD STYLE SWITCH KEY
 For Fords with switch on coil box.
J7663—Each..... 5c



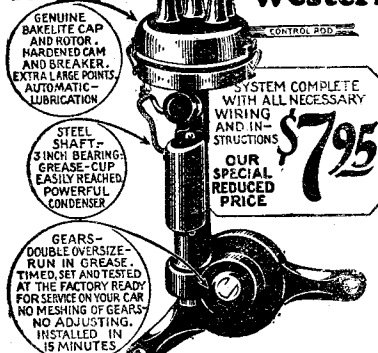
Leather Key Holder

Has 6 hooks. Each hook holds two keys and has swivel joint where hook joins the case to prevent keys tangling with one another. Glove fastener. Made of genuine leather. Size folded about 3 1/2 x 2 inches.
 Shipping weight, 4 oz.
E6599—Key holder..... 32



Western Giant Self-Timed Ignition System

**EASIER STARTING, MORE POWER, GREATER ECONOMY
FOR ALL MODEL FORD CARS AND FORD TRUCKS**



\$7.95
SYSTEM COMPLETE WITH ALL NECESSARY WIRING AND INSTRUCTIONS
OUR SPECIAL REDUCED PRICE

Delivers a hot, properly timed spark every time. Makes your car run smoother and quieter, with more power and speed and quicker pick-up. Prevents knocks and "backing." Cuts down vibration. Saves gasoline, prevents oil dilution. Does away with the dirty, troublesome timer and wiring which need to be replaced often. Saves adjusting and replacing of coils and coil points. Prevents delay, saves time, inconvenience and labor. Will pay for itself in a short time.

30 DAY TRIAL
Order a "Western Giant" in the regular way. Install it on your car. Try it 30 days. If then you are not satisfied, return it to us and we will refund your money.

Superior to any ignition system we have ever seen. Bolts to motor where timer comes off—rigid, permanent, nothing to rattle or work loose. Entirely hand controlled. Gears are specially hardened and twice as big as in most systems insuring longer life and quieter operation. Comes to you already timed ready to put on and run—guaranteed 100 per cent accurate—no timing, no meshing of gears, no delicate adjusting. On and ready to run in 15 minutes. Directions for installation included with each system.

Well built of the very best materials and nicely finished. Will outlast your car. Comes complete with all necessary wires and full instructions. Designed for use with one of your regular Ford coils, though you will get better service by using our special C5639 Coil, shown below.

C5613—Western Giant Ignition System for any Ford car or truck. (Ship. wt., 6 lbs.).....7.95

Ignition Coil for All Cars

Four brackets furnished with each coil make our coil universal for replacing defective coils on all 6-volt systems. It gives a hot, flaming spark, and will work continuously without overheating. By installing this coil along with Western Giant, Bosch or Thomas Ignition system your ignition will be perfect.

C5639—Universal Coil with 4 Brackets to make it fit any 6-volt system. (Ship. wt., 5 lbs.)...3.65

C5636—Condenser only, will fit and work perfectly on any 6 volt ignition system. (Ship. wt., 8 oz.)... .65

Master Rotor

For Ford Cars, Trucks and Fordson Tractors

Can be used in any regular timer shell, even after the fiber is badly worn. Brush is made of a scientific compound of copper and graphite, which conducts the electric current far better than steel and requires no oil. Brush is held squarely and firmly against the raceway by a strong steel spring, giving a wipe contact which prevents skipping. Will give long wear—brush easily replaced. Guaranteed to improve the starting and running of your motor.



C5601—Master Rotor, complete (Ship. wt., 8 oz.)... .78
C5603—Extra Blendite Brush, for use with coil spring as shown in illustration... .20
C5600—Extra Blendite Brush, for use with old-style Rotor having broad flat spring... .20

Rush Timer Roller

For Ford Cars, Trucks and Fordson Tractor

Guaranteed to start your Ford on a quarter turn without spinning—because the dual rolling and wiping contact insures positive contact at all times—even in old, worn timer shells. Runs in cup grease, no bothersome oiling. Prevents new cases from wearing rough. Greatly increases life of timer. Satisfaction or Money Back. Ship. wt., 8 oz.

C5602—Rush Roller...1.00



Timer Brushes

A new brush will often renew a timer. Roller type brush is like regular Ford Brush. Brush type tends to keep raceway always smooth, giving exceptionally good contact and long life. Ship. wt., 4 oz.

C5608—Roller type Brush, complete... .16
C5658—Brush type Brush, complete... .28

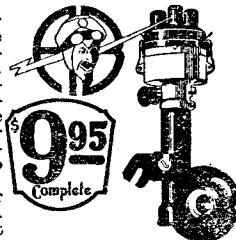
EASIER STARTING, MORE POWER Genuine Bosch Ignition System

FOR FORD CARS

The name "Bosch" is your assurance of excellent service and the highest quality material and workmanship. Comes complete with all wiring and fittings ready to install. Operates well with the coils now on the car, but for perfect ignition use the Universal Ignition Coil shown to the left.

Just take off the old timer and put "Bosch" in its place. No meshing of gears to get the timing right. All adjustment of timing is done by means of a screw (which is easy to get at) in the distributor head. Instructions come with each system so that you can install a "Bosch" on your car and enjoy its economy and benefits. Ship. wt., 5 lbs.

C5617—Bosch System for all Ford cars and trucks. 9.95



Thomas Ignition System

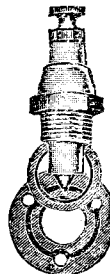
For Ford Cars with Battery

Similar to the Western Giant Ignition System shown above and will make your Ford start easier, run smoother, have more power and less vibration, and give less trouble than is possible with the old-style timer. Will save its cost in a short time. Has a condenser mounted on the distributor shaft, so only one of the regular Ford units is used, the other three being kept in reserve. You avoid the trouble of trying to adjust several pairs of points to fire uniformly. Made of the finest materials and guaranteed to give good service. Comes complete with full instructions ready to install.

C5607—Thomas Ignition System, for Ford car using battery current. (Ship. wt., 6 lbs.).... 5.95

Clean-Easy Magneto Plug

For All Model Ford Cars and Fordson Tractors
Once installed, is as easily removed for inspection or cleaning as a spark plug. Has threaded washer which is fastened in place with the regular three magneto down screws; then the plug screws down into this, with copper asbestos gasket to prevent leakage. When screwed down against the field coil, the fiber shoulder comes down and covers up the contact point, keeping the point clean, giving a better contact, and making the engine start easier and hit better. Made of best quality materials. Easily installed by any one; full instructions furnished. Shipping weight, 4 oz.



"Okeh" Timer—Guaranteed for Two Years

Uses no oil, can not short-circuit, and gives an exceptionally hot, perfectly timed spark, which lets you use a leaner gasoline mixture.

\$2.39

Uses All Copper for Hotter Spark

The "Okeh" uses a copper gauze brush, hardened copper segments, copper nuts, copper posts, making an all-copper path for the current. Eight segments are used, the extra four being "grounded" to the shell, so that the electric circuit is completed through them, as shown by arrows in illustration, instead of through oily, camshaft and roller. That is why the "Okeh" has the lowest resistance and gives the hottest spark of any timer on the market and is always perfectly timed.

Wipe Contact Rotor—Requires No Oil

The "Okeh" Timer uses a wipe contact rotor, whose brush is held firmly in contact with the raceway by a steel spring, and can not skip. Instead of being lubricated with oil, the "Okeh" brush is made of copper gauze with enough graphite in it for lubrication and requires no oil.

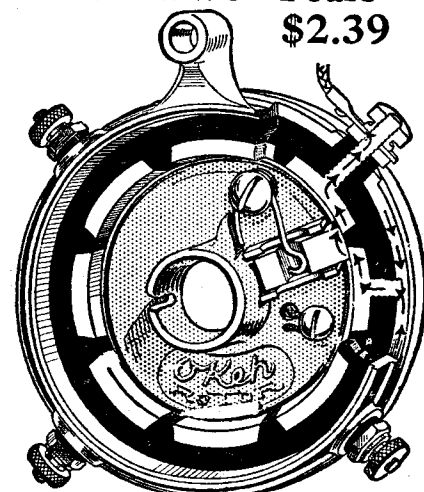
One-Piece Construction—Built to Last

The "Okeh" Timer has a one-piece construction. The white brass shell is die-cast under great pressure around the solidly constructed insulating ring, extending bosses, and copper segments, making it impossible for moisture to get it. No cracks to open up or pieces to shake loose—the "Okeh" Timer is built for accurate, lasting service.

Full Metal Track—Practically Wear Proof

The eight copper segments in the raceway come so close together that before the brush leaves one it rests on the next. This provides a full metal track, always smooth, to take the wear, and prevents burning of insulation at end of segments. The track is practically wear-proof and the brush when worn after long service can easily be replaced at small cost.

Thirty-Day Trial—Two-Year Guarantee
Every "Okeh" Timer is carefully tested and inspected



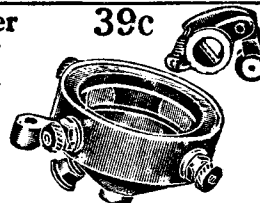
is unqualifiedly guaranteed for two years. Order one now, try it on your car or truck or tractor for thirty days—then if you don't find it the best timer you have ever used, send it back to us and we will refund every cent you paid us.

C5595—"Okeh" Timer, complete, (Ship. wt., 1 lb.)... 2.39
C5556—Extra gauze brush (Wt., 2 oz.)..... .65

"All-Pep" Timer

39c

An old or worn timer is a source of endless trouble and annoyance. Our "All-Pep" is a high quality timer with pressed steel case, good grade of fiber and roller. Shipping weight, 12 oz.



C5530—"All-Pep" Timer Complete..... .39

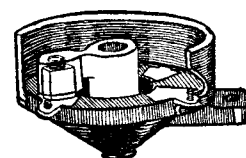
Milwaukee Timer

The Milwaukee timer requires no introduction—millions now in daily use are giving universal satisfaction. It is built with a roller, using the same principle as the Ford timer that came on your car.



The Timer case is strong, handsome, durable, brown Bakelite which makes the timer short-proof and the roller is made of sturdy bronze. These two features insure longer life and better service. (Ship. wt., 12 oz.) **C5583—Milwaukee Timer, complete.... 1.79**

New Day Timer



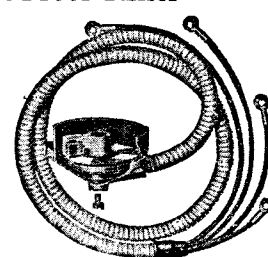
The race in this timer is a flat disc made of a very hard and long wearing insulating material which is not affected by water, oil, heat, or electricity. The contact points in the race are of hardened copper.

The brush is bronze with spring of highest grade piano wire. Does not need oiling, never requires attention. Never misses and skips, and will wear for years. Will save you time, trouble, and money, besides making your motor smoother, more powerful and easier to start. Satisfaction guaranteed. Ship. wt., 12 oz.

C5572—New Day Timer..... 1.00

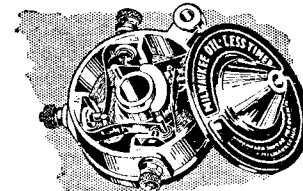
Short Proof Timer

More than just a timer. Consists of one of the highest quality "wipe contact" timers, with an armoured timer-wire loom built into the shell so that the whole assembly is protected from wear, oil, dirt, and water, and is short-proof. With a "2-in-1" timer you can entirely forget your timing system. Very easy to install. Satisfaction guaranteed. Ship. wt., 2 lbs.



C5569—Short Proof Timer..... 2.38

Milwaukee Oil-Less Timer

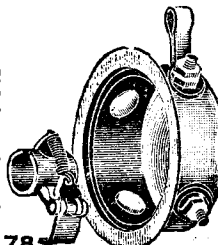


Genuine Milwaukee. Notice in the illustration that it has a rotor which strikes against spring steel blades, causing a spark. No roller, no race, nothing to wear out or get out of order. Never requires oiling or attention. Made of bronze. Fully guaranteed in every respect. The name

"Milwaukee" is your assurance of highest quality. Ship. wt., 1 lb.
C5582—Milwaukee Oil-less Timer, for all Ford cars and trucks..... 2.49

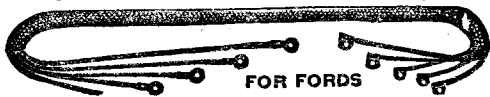
Wipe-Contact Timer

This timer has four hardened contact points (see illustration) set in a fibre race, and a hardened brush instead of a roller. A coiled spring holds the brush against the contact points insuring a hot fat spark every time. Cannot short circuit or miss. Will give good service indefinitely. Ship. wt., 1 lb.



C5561—Wipe-Contact Timer .78

Braid Covered Timer Wiring



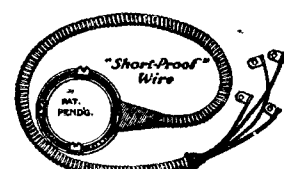
FOR FORDS

These wiring outfits are the same style and quality as those used as regular equipment on Ford cars. They are well made and equal in every respect to the original outfit. Shipping weight, 1 lb.

Our Reduced Price

- C5625—For 1909 to 1922 cars (5 wire)..... **.33**
- C5626—For 1919-22 cars with starters (6 wire)..... **.40**
- C5627—For 1923-25 cars with starter (7 wire)..... **.56**
- C5628—For 1926-27 cars (4 wire)..... **.26**
- K8136—For Fordson Tractor..... **.39**

"Short-Proof" Timer Wire Assembly



Timer wires are always exposed to oil and water, so that the insulation soon rots through and you get a "short," causing the motor to miss, or back-fire.

The "Short-Proof" Wire avoids this trouble by enclosing timer wires in a flexible metal cable,

ending in a fiber disc sealed in a metal case that slips round the timer shell. Delivers 100 per cent of your current to your spark-plugs; makes motor run smoother and start easier; saves gas and oil. Eliminates 75 per cent of ignition trouble, and prevents broken arms and starter springs from "kicking back." Easily installed; full instructions furnished. Money back in 30 days if not satisfied. Ship. wt., 2 lbs.

C5684—Assembly for regular Ford style timers... **1.28**

Overhead Cable Timer Wire Sets

Wires are enclosed in flexible metal tubing, and are made the proper length to run along the radiator brace rod above the engine and directly down to timer. This keeps the wires out of the oil, prevents short circuiting and makes the wires last indefinitely. Furnished complete with clips for holding cable in place. Ship. wt., 1 lb.

- C5621—Set, with spark plug wires, 1909-25 Fords..... **.68**
- C5620—Set, without spark plug wires, 1909-25 Fords..... **.53**
- C5622—Set, without spark plug wires, 1926-27 Fords..... **.42**

Switch and Lamp Wiring Assemblies for Ford Cars with Starters

Full length wiring assemblies to replace those on Ford cars with starters. Each wire same color as original equipment, thus making them easy to install properly. Terminals same as those on original Ford wires. For ignition wires see top of this page. Av. ship. wt., 1 lb.

- C5609—Wire assembly (switch) 1919-25 Ford Coupe, Roadster or Touring with starter..... **.42**
- C5610—Wire assembly (switch) 1919-25 Ford Sedan..... **.45**
- C5611—Wire assembly (left head lamp and tail lamp) 1919-25 Ford with starter..... **.52**
- C5624—Wire assembly (head lamps, tail lamp, and switch) 1926-27 Ford..... **.95**

Baby Screw Driver

Made especially to reach into close places. Very handy for attaching wire to all kinds of lamp sockets. (Shipping wt. 4 oz.)

H7309—Baby Screw Driver..... **10**

Lighting and Ignition Cable

We carry high grade cable. The wire is covered with several layers of rubber as shown in cut, and covered outside with close woven braid. This cable is perfectly insulated, and is

- heat, grease, oil and moisture proof.
- Shipping weight, 1 lb. to 6 feet. **Price per Ft.**
- C5664—Primary Low Tension..... **3c**
- C5663—Secondary High Tension..... **4c**
- C5662—2-Strand Primary for lighting..... **6c**

Extra Quality Lamp Cord

Ship. wt., 1 lb. to 10 ft. Two-strand, twisted, braid covered.

- C5660—Green and yellow covered, per foot..... **3c**
- C5661—Black covered, per foot..... **3c**

Rubber Covered Ignition Cable

High tension or secondary cable, with thick rubber insulation, especially constructed to withstand heat and prevent short circuiting. Used as regular equipment on many cars. Shipping weight, per foot, 8 oz.

- C5659—Rubber-covered cable (about 5-16" diam.), per foot..... **5c**

Armored Lighting Cable

Primary or lighting cable, well insulated, then wrapped with half round galvanized steel armor, making it almost wear-proof and indestructible, yet very flexible. Excellent for lighting purposes on any car. Ship. wt., per foot, 8 oz.

- C5657—Single Strand Armored Cable, per foot..... **4c**
- C5658—Double Strand Armored Cable, per foot..... **6c**

Copper Terminals

Made so they can be easily and permanently attached to wire cable without solder.

- Shipping weight, dozen, 4 oz. **Price Per Doz.**
- C5641—Terminals for Primary or Lighting Cable... **.14**
- C5640—Terminals for High-Tension Cable..... **.16**

Western Quality Friction Tape

An extra quality friction or "tire tape," for insulating wires and making emergency repairs. Closely wrapped in foil in handy carton, to keep it fresh and clean, always ready for use. Should be carried in the car at all times. Width 3/4 in.

- E6350—2 oz. Roll Friction Tape..... **7c**
- E6351—4 oz. Roll Friction Tape..... **.12**
- E6352—1/2 lb. Roll Friction Tape..... **.22**

Insulating Staples

For attaching electric wire. Shipping weight, per package, 4 oz.

- C5892—Package of 25..... **10**

Spark Plug and Magneto Wires

For Ford and Fordson

- 1926-27 **5c** each
- 1909-25 **18c** Set of 4
- C5633—Spark Plug Wires, 1909-25 Set (Wt. 8 oz.)..... **18c**
- C5635—Spark Plug Wires, 1926-27 Ford Each (Wt. 2 oz.)..... **5c**
- K8137—Spark Plug Wires, Fordson Tractor (Wt. 2 oz.)..... **26c**
- C5630—Magneto Wire (wt. 4 oz.)..... **8c**

Improved Generator Cutout

For Ford Cars

Will carry 10 amperes more current without sticking, than ordinary cutouts. You should have a reliable generator cutout, for if the cutout gets out of order your battery will discharge itself through the cutout, even if the current is shut off. This is both expensive and ruinous to the battery.

This new improved cutout is built so that it is almost impossible for it to get out of order. It simply replaces the old cutout and requires no special drilling or cutting. Comes complete ready to put on

- C5604—Generator Cutout (Ship. wt., 12 oz.).... **.78**

Spark Lever Starter Switch FOR FORD CARS

Not only a great convenience but a preventative against the engine back firing against the starter and breaking it, as is often the case. Consists of a specially designed switch to that bolts to the starting BATTERY motor and an arm that clamps to the spark rod. Pushing the spark lever up, retarding the spark, causes the arm to press the switch down completing the circuit and starting the motor. This new switch does away with the footswitch, which

is sometimes, especially in cold weather when the feet are cold, hard to operate. Easily installed and nothing to break or get out of order. Full instructions furnished.

- A5201—Spark-Lever Starter Switch (Ship. wt. 8 oz.) **.42**

"Klasp-Tite" Trouble Lamp

Handiest trouble light yet devised. Mounted on a swivel joint attached to two long spring-steel, rubber-padded jaws, which can be clasped almost anywhere. Has rust-proof reflector which intensifies the light, while keeping it from shining in your eyes. Makes an ideal lamp for camp and touring use. Well-made, handsomely finished. Comes complete with 10 feet of cord and plug for attaching in dash light or tail light socket. Ship. wt., 2 lbs.

- C5698—"Klasp-Tite" Lamp, S. C. plug..... **.89**
- C5699—"Klasp-Tite" Trouble Lamp, D. C..... **.89**

Handy Trouble Lamp

You can use this handy little trouble light in many ways around your car, especially if you have in mind touring. Full nickel finish, hard rubber handle, extra heavy glass lens, 12 feet of extension cord. Has convenient switch in handle. Length about 5 inches; diameter of lens about 2 inches. Comes complete with a 6-volt bulb. Ship. wt., 1 lb.

- C5788—Lamp with Single Contact Plug..... **.98**
- C5786—Lamp with Double Contact Plug..... **.98**

Snap-tite Troub'e Light

A substantial, well-finished trouble light with hinged nickel-plated reflector, which folds like a globe when not in use, and snaps together like a pocketbook, absolutely protecting the bulb from breakage. Comes complete with 6-8 volt bulb, 10 feet of cord, and plug for attaching to any light socket. Black wood handle. Length over all about 6 inches. Shipping weight, 1 lb.

- C5785—Complete for double socket contacts..... **1.55**
- C5787—Complete for single contact sockets..... **1.55**

Generator Cutout for Ford Cars

Don't neglect your generator cutout, for when it is out of order the storage battery can discharge itself through the generator, even when the current is cut off. This cutout fits directly on generator—no additional wiring necessary. Accurately made to stand jolts, vibration, wear and tear. Heavy steel cover makes it water-proof and dust-proof.

- C5606—Generator Cutout for Ford (Ship. wt., 12 oz.) **.65**

Generator Cutout FOR MANY CARS

Chevrolet, Chrysler, Hudson, Hupmobile, Oakland, Pontiac, Star, Studebaker, Whippet, Willys-Knight. The safety of your battery depends on your cutout. This one is highest quality, dust, oil and water-proof, rugged construction—solid silver contact points. Fits and operates perfectly on the above cars. Ship. wt., 1 lb.

- C5605—Generator Cutout **.85**

Starter Drive for Ford

If your starter drive is bent or broken you can replace it yourself. Ours is a standard replacement starter drive with spring.

- P5018—Starter Drive complete (ship. wt., 2 lbs.)... **3.45**
- P5022—Starter Drive Spring only (ship. wt., 8 oz.)... **.19**

Generator & Starter Parts for Fords

- P5099—Starting Motor (15 lbs.)..... **11.25**
- B5497—Starter Brush, (4 to car) each..... **1.12**
- P5056—Motormounting gasket..... **.2c**
- P5062—Motormounting screw..... **2c**
- F5039—Starter drive cover screw..... **1c**
- P5119—Generator (15 lbs.)..... **11.25**
- P5120—Generator Armature (wt. 3 lbs.)..... **3.65**
- P5121—Generator Bearing Small (Rear)..... **1.08**
- P5122—Generator Bearing Large (Front)..... **1.90**
- B5498—Generator Brush, Large, (2 to car) each... **9c**
- B5499—Generator Brush, Small (1 to car) each... **9c**
- 5132C—Generator Brush Holder (wt., 1 lb.)..... **.36**
- 5137—Generator Drive Pinion (wt., 8 oz.)..... **.32**
- P5057—Generator head gasket..... **.10**
- H7428—Generator Wrench (see page 114) (Wt., 8 oz.) **.20**
- P5012—Ignition Switch on Inst. Board, 1919-25... **.65**
- P5014—Starter Switch on Floor Board, 1919-26... **.45**

Magnetic Shock-Proof Screwdriver HANDY, LONG TAPERED STYLE

STRONG, INSULATING, BAKELITE HANDLE

A practical screwdriver with long thin, magnetized shank and insulating black composition handle. Especially adapted for work on ignition systems or any electrical work; or when using little screws or reaching difficult places. Length, 11 inches. Ship. wt., 12 oz.

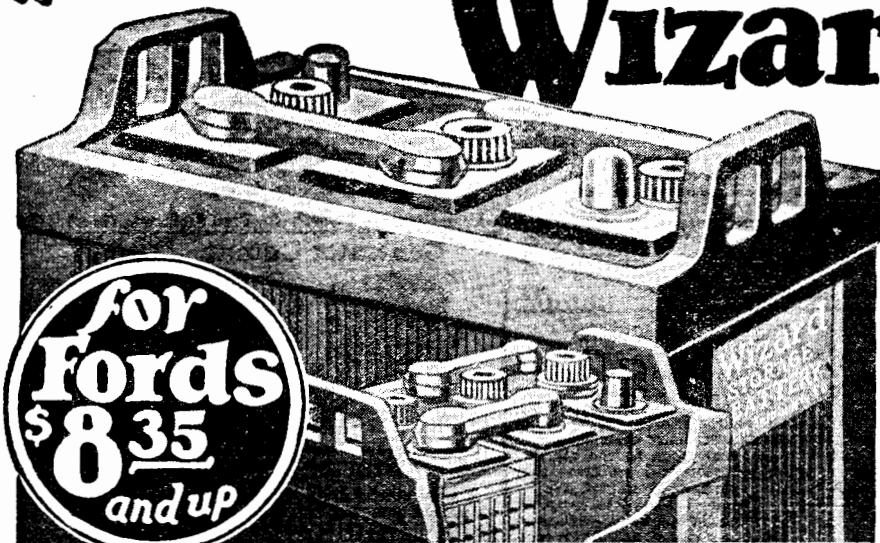
- H7177—Magnetic Screwdriver..... **.42**

Handy Ball Bearing Creeper FOR QUICKER, EASIER, CLEANER WORK

Just lay on it and "scoot" yourself to where you want under the car. Swiveled casters permit moving in any direction. Quicker, cleaner and more comfortable. Head rest saves your neck from strain. Consists of a platform 12" x 40", made of stout 1" square oak slats, mounted on 4 steel casters with ball bearing swivels. Height from floor 3 inches. Oak slats have spacers and reinforcing blocks between them and are securely bolted together. Light, strong, comfortable. Head rest is imitation leather stuffed with horsehair.

- W8298—Creeper (Ship. wt., 9 lbs.)..... **1.35**

Wizard Batteries



NEW REDUCED PRICES
for **FORD AND CHEVROLET**
see page 66



60 Days Trial in Your Own Car-Guaranteed 18 Months

Guaranteed 18 Months

Every Wizard Battery is thoroughly tested and inspected. It will respond instantly to your touch on the starting pedal and spin your motor with great force. It will furnish your plugs a powerful spark and give your lamps a strong, bright light.

Every battery is guaranteed for 18 months against defects of workmanship or materials. If a Wizard Battery develops trouble due to any defects within 18 months, we will repair it free, or replace it with a new Wizard Battery, charging you only for service you have received.

More than 150,000 Wizard Storage Batteries are now in daily use. They have been used under all conditions in all makes of cars and have stood up under every test. From actual records over many years of service we know of no better battery made, regardless of name or price.

Selected Materials

Wizard Storage Batteries are built by one of the largest nationally known battery manufacturers. The very best materials are used throughout—high grade red lead and litharge for the oxides, antimonial lead grids to prevent buckling, extra thick, long-lived plates, burned-on terminals—assuring a high-grade, dependable battery for every purpose.

The separators are best-grade re-sawed cedar, and not the cheap veneer variety so commonly used. They are thoroughly treated and cured, so they allow the current to flow freely, yet give complete insulation, preventing short circuits.

One-Piece Molded Case

All Wizard Batteries are furnished in the popular molded one-piece case. This does away with leaky cells, and makes a battery that is almost unbreakable, as well as water-proof and acid-proof.

Shipped from Any of Our Stores

All batteries are fully charged before shipping, then carefully packed in a strong wooden crate, so that the battery will reach you in perfect condition, ready to put in your car. Prompt shipments direct from our stores, ensuring quick delivery and smaller transportation charges. Because of postal regulations, batteries cannot be sent by mail. Average shipping weight, 60 lbs.

Why Pay More Than Our Price

On account of our enormous buying power and direct-from-factory-to-car-owner system of distribution we are able to offer Wizard Guaranteed Storage Batteries at a saving of from \$8.00 to \$15.00, with the privilege of 60 days' trial in your own car. Shipped anywhere C. O. D. without deposit if desired.

60 Days' Trial in Your Car

Send us your order, in the regular way for a Wizard Storage Battery. When it comes, put it in your own car and use it for 60 days. Test it out thoroughly. Then if for any reason you are not satisfied or feel that the Wizard is not equal in every way to any battery on the market, regardless of name and price, send it back, and we will refund your money and all transportation charges.

INSTALLED FREE AT OUR STORES

Lower Prices-Better Quality

Car	Year	Model	Type	Price
Auburn	1919-21	6-39H. K. R.	611SF	8.35
Buick	1917-18	All	613SF	8.35
Buick	1919-22	All	613SF	8.35
Buick	1922-23-24	All Fours	611SF	8.35
Buick	1922-23-24	All Sixes	613SF	8.35
Buick	1925-27	Standard Six	611SF	8.35
Buick	1925-27	Master Six	613SF	8.35
*Cadillac	*1914-20	*All	*619AM	8.35
Cadillac	1921-25	All	619SM	8.35
Case	1918-24	U18 and W	613SF	8.35
Case	1921-26	X and Y	615SF	8.35
Chalmers	1919-24	All	613SF	8.35
Chandler	1917-18	First 24,000	611SF	8.35
Chandler	1919-23	All	613SF	8.35
Chevrolet	1916-27	490, Superior and Models K, V, and AA	611SF	8.35
*Batteries for this car furnished only in wooden case.				

Car	Year	Model	Type	Price
Chrysler	All	Light 6 and 4	611SF	8.35
Dodge	1915-25	All 12 volt cars	127SF	8.35
Dodge	1926-27	All 6 volt	613SF	8.35
Dort	1916-24	All	611SF	8.35
Durant	1922-26	All Fours	611SF	8.35
Durant	1922-24	All Sixes	613SF	8.35
Elgin	1918-23	All	611SF	8.35
Essex	1919-21	All	613SF	8.35
Essex	1922-23	All	611SF	8.35
Essex	1924-27	All	613SF	8.35
Flinn	1924-25	6-40	611SF	8.35
Flinn	1925	65	613SF	8.35
Ford 11 thick plate model, see page 66, all models.				
Ford 13 plate model, see page 66, all models.				
(Ford owners see page 66 for complete description of batteries for Fords)				
Franklin	1916-20	All	127SF	8.35
*Franklin	*1921-22	All	*129SF	8.35
Franklin	1923-27	All	615SF	8.35
*Battery for this car furnished only in wooden case.				

Shipped C.O.D. without Deposit

Car	Year	Model	Type	Price
Gardner	1920-23	All	611SF	8.35
Grant	1917-18	K. G.	611SF	8.35
Grant	1919-23	All	613SF	8.35
Gray	1923-26	All	611SF	8.35
Haynes	1921-26	All	615SF	8.35
Hudson	1918-27	Super Six	613SF	8.35
Hupmobile	1918-21	All	611SF	8.35
Hupmobile	1922-27	All	613SF	8.35
Jewett	1922-26	All	613SF	8.35
Jordan	1916-24	All	613SF	8.35
Lexington	1924-25	All	613SF	8.35
Maxwell	1915-20	(12-volt)	127SF	8.35
Maxwell	1920-22	(6-volt)	613SF	8.35
Maxwell	1923-25	All	613SF	8.35
Moon	1922-27	See A 6-58	613SF	8.35
Moon	1922-25	6-40, 6-48	611SF	8.35
Nash	1921-24	6-cylinder	613SF	8.35
Nash	1922-24	4-cylinder	611SF	8.35
Nash	1925-27	Advance 6	613SF	8.35
Nash	1925-27	Special 6	611SF	8.35

Car	Year	Model	Type	Price
Oakland	1917-19	All except 50	611SF	8.35
Oakland	1920-27	All	613SF	8.35
Oldsmobile	1916-20	All	611SF	8.35
Oldsmobile	1920-24	All	613SF	8.35
Oldsmobile	1925-27	All	611SF	8.35
Overland	1916-21	75, 75B, 90, 90B	611SF	8.35
Overland	1920-24	All 4s except 20	611SF	8.35
Overland	1925-26	91	611SF	8.35
Packard	1923-25	To 202,000	613SF	8.35
Page	1916-22	All	613SF	8.35
Pontiac	1926-27	All	611SF	8.35
Reo	1916-27	All	613SF	8.35
Star	1922-26	All	611SF	8.35
Studebaker	1916-20	All except EJ	613SF	8.35
Studebaker	1921-27	EJ and Light 6	611SF	8.35
Studebaker	1919-27	Spec. 6, Big 6	613SF	8.35
Vellie	1918-25	All except 6-49	611SF	8.35
Willys-Knt	1920-27	All	617SF	8.35
Whippet	1926-27	All	611SF	8.35

If your car is not shown write for price

Shipped Fully Charged Same Day Order is Received

66 WIZARD BATTERIES

For Ford and Chevrolet

Over 150,000 Wizard storage batteries are now in daily use giving satisfactory service to their owners everywhere. Wizard batteries respond instantly to your touch on the starting pedal. They will spin your motor under all conditions and furnish your plugs a hot, powerful spark and give your lamps a bright strong light.

Acid-Proof, Leak-Proof

The case and jars of Wizard batteries are molded into one solid piece, which is almost unbreakable and leak-proof, water-proof and acid-proof.

Made of Selected Materials

Wizard batteries are built by one of the largest battery manufacturers under the most improved scientific methods of construction. Only the best selected materials are used, the highest grade lead oxides, the best re-sawed cedar separators, with extra thick, long-life plates and specially constructed grids that will not buckle.

Heavier—Stronger—Fully Guaranteed

Lead is one of the most important and expensive ingredients used in storage battery construction. By actual test, Wizard storage batteries will weigh several pounds more than the average battery. They are built heavier and stronger, which accounts for their extraordinary service and long life.

Do not compare our Wizard superior quality storage battery with light weight unguaranteed batteries, offered by other concerns for about the same or slightly less than our price.

Why take chances when you can get Wizard batteries that are guaranteed for 18 months of good, honest service and backed up by the entire resources of the world's oldest and largest exclusive Auto Supply House.

Now Furnished for Fords in Either 11-Plate or 13-Plate Type

There is one important advantage in a 13-plate battery. It is more powerful and responsive in starting, especially in cold weather.

Save 50%—Quality Guaranteed

Wizard Batteries are built heavier and stronger than ordinary batteries and are fully guaranteed, yet our enormous buying power and direct-from-factory-to-car-owner system of distribution enable us to offer you Wizard storage batteries at about one-half the price usually asked for batteries of anything like equal quality.

INSTALLED FREE AT ANY OF OUR STORES

X9910—Wizard Battery, thick 11-plate type (Ship. wt. about 55 lbs.)... 8.3

X9911—Wizard Battery, 13-plate type (Ship. wt. about 58 lbs.)... 8.6

Wizard Batteries are furnished for all Popular Cars, see complete price list on next page.



Guaranteed 18 Months 60-Day Trial on Your Own Car

Send us your order for a Wizard Battery. Use it in your car for 60 days and demonstrate to your own satisfaction that it is the greatest battery value ever offered. Let it prove its value to you. If after making this careful test you are not satisfied that the Wizard is the greatest value in batteries that you ever saw, return it to us at our expense and we will refund every cent you have paid, including transportation charges. Could you ask for anything fairer than this?

Save Transportation Costs

Wizard batteries are easy to install. They exactly place your present battery and are guaranteed to. Complete stocks are carried at all our stores, insured prompt shipment, quicker delivery and less transportation costs.

We Ship C. O. D. Without Deposit

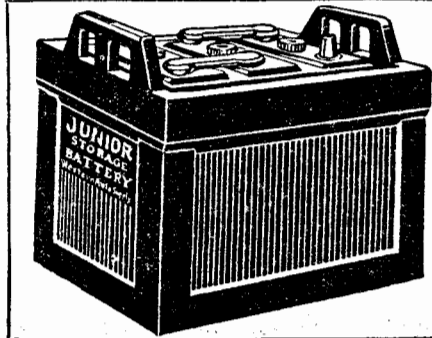
We ship everywhere C. O. D. without deposit. Our batteries are shipped fully charged ready for use. Car fully packed in strong wood crates.

Complete stocks are carried at all our stores, insured prompt shipment, quicker delivery and less transportation costs. Postal regulations will not permit storage batteries to be sent by mail.

JUNIOR \$7.65 Thin 11-Plate Battery For Ford and Chevrolet

The Junior Battery is made of the same materials and the same careful construction as our Wizard Batteries but the plates are thinner and lighter, and the battery will not stand up as long. We guarantee it for one year. If you want the best battery built buy a Wizard, but if you want a good battery at a lower price we recommend the Junior as superior to batteries offered elsewhere at prices from \$3.00 to \$6.00 higher. Have one-piece molded case and are the right size to fit Ford and Chevrolet battery carriers. Cannot be sent by mail. (Ship. wt., about 46 lb.)

X9912—Junior Battery for Ford and Chevrolet cars..... 7.65



Save Transportation Costs -- one of our stores is near you.

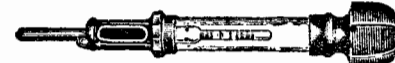
Perfect Test Hydrometer



Shape of tube prevents float from sticking to sides and allows a clear, accurate reading. Rubber shoulders protect glass when laid down. Construction of bulb and tip makes it airtight and leakproof.

C5726—Perfect Test Hydrometer. Our Reduced Price (Ship wt. 1 lb.)... **.68**

Break-Not Hydrometer



Improved construction eliminates breakage to a large extent. Special acid-proof rubber tip. Bulb made of red rubber. Hydrometer float has a large, clear scale, which is easily read, indicating charging points and battery condition. For all automobile and radio "A" batteries.

Shipping weight 1 lb.
C5717—Break-Not Hydrometer, complete..... **.89**

Hydrometer 39c

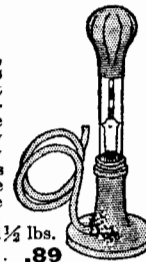


Used for testing acid in automobile or radio storage batteries. Accurate, carefully packed, large capacity. Full instructions for using with each outfit. Ship. wt., 8 oz.

C5723—Hydrometer, complete with float..... **.39**
C5725—Hydrometer Float only..... **.18**

New Flat-Base Break-Not Hydrometer

Battery acid destroys clothing, rugs, furniture, etc., if spilled on them. This hydrometer was designed to prevent acid being spilled. Just set the hydrometer in a convenient place, put the end of the rubber tube into the battery and press the bulb. There is no way for the acid to leak. The base is weighted to that it is not liable to be tipped over accidentally. Very accurate and as nearly break proof as it is possible to make a hydrometer. Ship. wt. 1 1/4 lbs.



C5719—Break-Not Hydrometer..... **.89**

Battery Filler

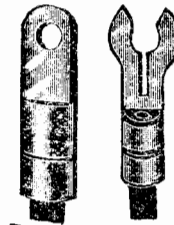
45c



Fill your storage battery without wasting water or losing time. Bulb holds enough water for several cells. Length over all, 10 inches.

C5716—Battery Filler, each (Ship. wt. 1 lb.)... **.45**
X8948—Battery Filler with 39c Hydrometer, shown above, set..... **.79**

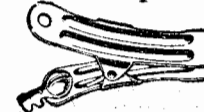
Solderless Terminals



For use on ignition wires on any car. Wires are wrapped around head of terminal and cap screwed on so that it makes a permanent, non-loosening contact that will never pull out. Made of brass to allow good flow of current.

Ship. wt., 1 oz.
C5647—Loop Type for High Tension Wire..... **9c**
C5648—Spring Clip Type for High Tension Wire..... **9c**

Grip-tite Battery Clips



High grade clips for use in charging batteries. Make good temporary connection. Made of steel, lead coated to prevent deterioration from acid fumes. Fit any battery. Ship. wt., 4 oz.

C5642—Clip, each..... **14**

Storage Battery Terminals

A high grade, heavy terminal for replacement on Ford cars with starter. Also fit Chevrolet Superior, and 490, (since 1919) and any other car with straight battery posts. Lead coated to prevent corrosion. Has split barrel so that soldering is not necessary. Complete with bolt and nut.



Shipping weight, each 4 oz.
B5493—For any terminal, each..... **.16**
B5495—Bolt and nut for battery terminal..... **4c**

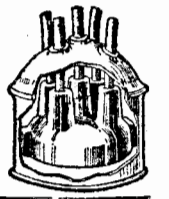
Solderless Battery Terminals

Not plated, but made of non-corrosive material all the way through. Absolutely will not corrode or stick to battery post. Tensile strength is greater than brass. No soldering required to attach to cable. Anyone can do it. Simply peel back the insulating material, twist it into tapering opening of terminal and tighten set screw. Makes perfect connection. Satisfaction guaranteed. For standard size cable. Ship. wt. 8 oz.

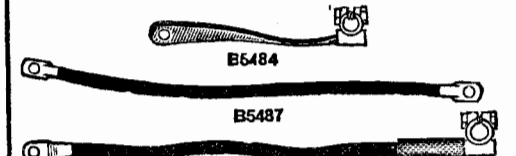
B5488—Solderless terminal, Positive..... **.35**
B5489—Solderless terminal, Negative..... **.35**

Distributor Head Rain-Guard FOR 4 CYL. AND 6 CYL. CARS

A rubber cap that is placed over the distributor head so that water can not get to the head and cause your car to stall during a heavy rain storm or when being washed. Will often save an inconvenient delay or unnecessary expense, amounting to ten times the cost of the cover. Made of good live rubber and will outlast your car. Easily installed in 10 minutes. Ship. wt., 8 oz.

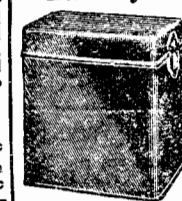


Battery and Starter Cables For Ford and Chevrolet Cars



B5484—Ford, battery to foot switch, length 30 in. (Wt. 2 lbs.)..... **.58**
B5484—Ford, battery to ground, laminated copper strap. (Wt. 1 lb.)..... **.26**
B5487—Ford, foot switch to starting motor, length 29 in., (Wt. 2 lbs.)..... **.48**
B5483A—Chevrolet, Superior, model F, battery to foot switch (Wt. 2 lbs.)..... **.65**
B5480—Chevrolet, models K and V, battery to foot switch, (Wt. 2 lbs.)..... **.65**
B5481—Chevrolet, 490, Sup. and K, battery to ground, (Wt. 1 lb.)..... **.58**
B5482—Chevrolet, models V and AA, battery to ground, lamin. copper strap, (Wt. 1 lb.)..... **.35**

Battery Box for Running Boards

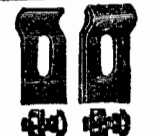


Keep your battery on the running board where it is easy to get at for testing and filling. Protects battery from wet and dirt; lengthens its life. Box is made of best 20-gauge steel, finished in black enamel. Hole in back for battery cables to enter. Bolts to running board, will not rattle or shake loose. Ship. wt., 8 lbs.

W8343—10" long by 8" wide by 10 1/2" high (Ford size) **1.80**

Battery Hold-Down Clips

Exactly replace the hold-down clips on the present Ford battery. Strongly made and guaranteed to fit. Better get an extra set to carry for an emergency as clips are easily lost. Shipping weight, per set, 4 oz.

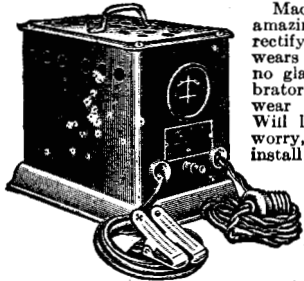


B5303—Each, 8c; Pair..... **.15**

GENUINE KODEL KUPROX BATTERY CHARGERS and BATTERY ELIMINATORS

SAVE FROM 20% TO 35%

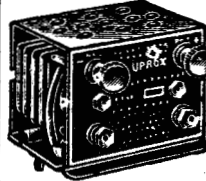
Homcharger and Trickle Charger



Made with Kuprox, the amazing, improved, scientific rectifying metal that never wears out. Contains no bulbs, no glass jars, no acid, no vibrator. Contains nothing to wear out, break, or replace. Will last a lifetime, with no worry, bother or expense. Just install them and forget them. Absolutely silent, entirely automatic. Charge evenly, at double the usual rate. Enclosed in steel case, beautiful maroon finish. Furnished complete, with cord, plug and clips, with full instructions.

C5920A—Kodel Kuprox Homcharger and Trickle Charger, 6-volt, for use with 115-volt, 60-cycle A. C. Two charging rates; fast, 3 amp.; trickle, 1 amp. (Ship. wt., 14 lbs.) Regular list price, \$18.50; our reduced price, **11.95**
C5949A—Kodel Kuprox Trickle Charger, same as above but with charging rate 8 to 1 amp. (Ship. wt., 6 lbs.) Regular list price \$10.50; our reduced price, **6.95**

Kuprox Replacement Element

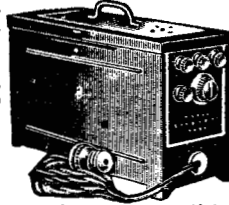


Kuprox is an amazing, improved, scientific metal that rectifies electrical current perfectly and makes acid jars, bulbs, and vibrators obsolete, noisy, and expensive in comparison. It is absolutely silent, it never wears out or burns out; it can't break, has no odor, never needs care or attention or renewing. You just install it and forget it. Modernize your old charger and enjoy the benefits and economy of Kuprox. The change is quick and easy to make—full instructions furnished.

C5939—Kuprox Element to replace acid Jars in Silite, Bakelite, Philco and all jar type chargers. (Illustrated.) Doubles the charging rate. (Ship. wt., 1½ lbs.) **3.65**
C5938—Kuprox Element to replace standard 2-amp. bulbs in any bulb type charger. Develops 2 to 2½ amps. (Ship. wt., 2½ lbs.) **3.65**
C5940—Kuprox Element to replace vibrators in all vibrator type chargers. Gives 3 to 5 amps. (Ship. wt., 4 lbs.) **3.65**

Kodel Radio "B" Battery Eliminator

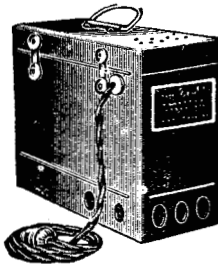
Do away with the expense and inconvenience of renewing "B" batteries and having them weak when you want them. Saves money, gives more volume and sweeter tone than batteries. Absolutely the finest "B" eliminator made. Costs less to run, contains no acids—clean, safe, and odorless. Not affected by variations in current supply. Contains nothing to wear out or replace except rectifying tube which is guaranteed for 1,000 hours. Absolutely silent in operation. Self-contained in a steel box with beautiful maroon finish. Full instructions furnished.



C5880—Kodel No. 60 "B" Eliminator, for 115-volt, 60-cycle, A. C. Delivers 90 volts of "B" current. Two taps; 45 volts and 90 volts. For radios with 5 tubes or less. **Complete with tube ready for use.** (Ship. wt., 14 lbs.) Regular list price, \$19.50. **Our Reduced Price, 12.65**
C5881—Same as above but delivers 180 volts of "B" current. Three taps; 45 volts, 90 volts and 180 volts. For all radios with 6 tubes or less. A convenient dial permits exact adjustment of output. **Complete with tubes ready for use.** (Ship. wt., 16 lbs.) Regular list price, \$31.50. **Our Reduced Price, 22.85**

Kodel Kuprox Radio "A," "B" and "C" Battery Eliminator

Does away with all batteries. Think of the convenience and economy of it. Perfectly clean, safe and silent. Just attach plug to a lamp socket and you can forget all about batteries. Always ready for use and will not overheat. Costs less than batteries to operate. Increases volume and range and adds greatly to tone quality. Do not confuse with "make-shift outfits," containing glass jars, acid or liquids, etc. It is a single unit that never requires care or attention. Absolutely silent in operation and is fully guaranteed. Gives 3 amps. of 6-volt "A" current; 180 volts of "B" with taps for 70, 90, 150 and 180 volts; and 4, 10, 22½ and 40 volts of "C." For all radios regardless of size or voltage requirements. Full instructions furnished.

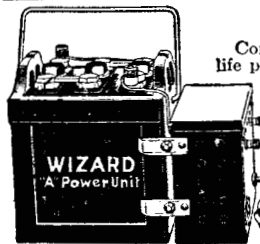


C5884A—Kodel Radio "A," "B," and "C" Eliminator for use with 115-volt, 60-cycle A. C. Size 10½" wide, 10¼" high, 12¼" long. (Ship. wt., 75 lbs.) **Complete with tubes ready for use.** Regular list price, \$109.50; **Our Reduced Price, 69.65**
C5885—Same as above but does not eliminate "C" Batteries. For all 6-tube and smaller sets. Gives 2 amperes of 6-volt "A" current and 45, 90, and 180 volts of "B" current. Size 5¼" wide, 10¼" high, 12¼" long. **Complete with tube ready for use.** (Ship. wt., 43 lbs.) Regular list price, \$63.50; **Our Reduced Price, 46.50**

Wizard Radio "A" Power Unit

Consists of an extra-quality, guaranteed Wizard Radio "A" Battery with improved, long life plates and an Elkon Battery charger with relay switch and "B" eliminator plug. The battery and charger are joined firmly together into a single unit and are properly wired. Just attach the plug into any regular light socket. When radio set is in use the battery furnishes steady, dependable "A" current. When you shut off the set the charger automatically brings battery up to full charge again. When full charge is reached charger ceases to work. Entirely automatic in its action. Needs no attention, but an occasional addition of water. This is the thoroughly tested and time-tried type of "A" power unit and many people would have no other. **Not available.**

X9915—Wizard Radio "A" Power Unit, for 115-volt, 60-cycle A. C. Delivers 6 volts of "A" current. (Ship. wt., 45 lbs.) **22.95**



Wizard Radio Batteries

New Improved, Long Life, Thick Plate Type



The importance of a reliable, silent "A" Battery cannot be over-emphasized. Many so-called Radio "A" Batteries are converted Auto Batteries and cannot give satisfactory service for Radio.

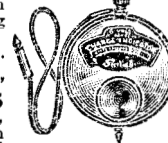
Wizard Radio "A" Batteries are built exclusively for us by one of the largest and most reliable manufacturers in the world, especially to meet the needs of radio. The plates are the new, improved, extra thick type, insuring longer life to the battery and a more even flow of current over a longer time with one charging than batteries with ordinary size plates. The one-piece molded case makes the Wizard sweat-proof, leak-proof, and acid-proof. **Absolutely silent in operation.** Improved lead terminals and strong bail handle. Plates are pure lead oxide; separators are genuine, resawed Cedar. Genuine, time-proved Wizard quality throughout and backed by our iron-clad guarantee for 2 years. With ordinary care a Wizard Battery will give you perfect service indefinitely. Why take chances on some inferior, unknown battery when you can buy a genuine Wizard at a savings of from \$4.00 to \$10.00? Every battery fully charged and tested before leaving our stores. **Not available.**

X9914—Wizard "A" Battery 75 ampere. Size, 7¼"x7"x9¾" (Ship. wt., 39 lbs.) **7.95**
X99—Wizard "A" Battery, 100 ampere. Size, 9¼"x7"x9¾" (Ship. wt., 47 lbs.) **9.25**
X9916—Wizard "A" Battery, 125 amp. Size, 10¼"x7"x9¾" (Ship. wt., 54 lbs.) **10.25**

Fully Charged—Guaranteed 2 Years

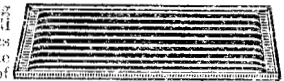
Voltmeters and Battery Testers

Shows instantly the exact strength of batteries and cells you are buying and their condition while in use. Handsome nickel plated cases. Ship. wt., each 8 oz.
C5713—Voltmeter for testing "B" batteries, tests up to 50 volts, **65**
C5718—Extra Quality Voltmeter, for testing "B" batteries, much more durable than C5713 and guaranteed accurate. A fine precision instrument **1.58**
C5711—Ammeter for testing dry cells and sure shots **.54**
C5712—Charge Indicator for Radio "A" Batteries. This condition of charge without necessity of testing acid. Safer, cleaner, quicker than hydrometer. **.85**



Radio Battery Tray

Prevents acid leaking on floor, rugs, etc. Will save its cost many times over by preventing one such accident. Made of acid-proof rubber composition. **F6732A—Battery Tray**; size, 9"x13"x½" (Wt., 1 lb.) **.59**



Western Sure Shot Battery

An economical 6-volt "A" battery for radio, or will enable you to start your Ford car easily in the coldest weather. Consists of four dry cells, properly connected, embedded into a solid moisture-proof unit enclosed in a steel jacket. Can't short-circuit or loosen connections. Only two connections to make. (Ship. wt., 10 lbs.) **C5706—Western Sure Shot Battery**, 6 volts. **1.68**

Western Dry Cell

1½ volt. Built under a process that gives them longer amperage and longer life. We buy direct from the factory so you are always sure your battery is fresh and strong. Each battery is guaranteed to reach you fully charged. Ship. wt., each, 4 lbs. **C5704—Dry Cells**, each **.32**



Battery Hydrometers

For accurate testing of "A" Batteries nothing compares with a hydrometer. This one is the highest quality. Well made, durable, accurate, and easy to read. Practically leak-proof. **C5717—Hydrometer with float** (Ship. wt., 1 lb.) **.89**
 For other hydrometers, see page 67.



Test Clip

For charging, testing, or making temporary connections. Made of steel, lead coated to prevent corrosion. Ship. wt., 4 oz. **C5642—Clip**, each, **.14**; 6 for **.72**



WIZARD EXTRA QUALITY RADIO "B" and "C" BATTERIES

Extra quality and long life are built right into every Wizard "B" and "C" Radio Battery. The materials are the very best obtainable. They are made under the most modern, improved, scientific methods of battery construction by one of the largest nationally known factories. Special improved insulating materials make inside short-circuits impossible. Each battery is thoroughly tested before it leaves the factory, insuring clear, powerful reception and long life.

Protected against temperature changes by a sealed, air-tight press board container. Have clips for making quick, positive connections, with leads for 22½ and 45 volts. Our reduced prices offer a real worth-while saving.

C5696—"B" Battery, 45 volts, upright style, size 8"x6"x3" (Ship. wt., 10 lbs.) **2.35**
C5694—"B" Battery, Jumbo Type, 45 volts, upright style, size 8½"x7½"x4"
 Longer life and more power. Especially recommended for sets with 5 or more tubes. Very economical in the long run (Ship. wt., 16 lbs.) **3.15**
C5697—"C" Battery, 4½ volts, size 4"x1½"x3" (Ship. wt., 1½ lbs.) **.35**

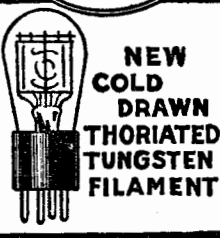


GUARANTEED FOR ONE YEAR

Wizard Radio Tubes

SUPPORTED FILAMENT PREVENTS BURNING OUT

TYPE 201 A
\$1.29 EACH



NEW COLD DRAWN THORIATED TUNGSTEN FILAMENT

The marvelous improvements that have been made in the manufacture of radio tubes is almost unbelievable. More scientific knowledge of materials, together with the improved time-saving machinery has made it possible to produce the highest quality radio tubes at a comparatively small cost of production. With our enormous buying power and our direct-from-factory-to-user method of distribution we are able to offer you Wizard radio tubes at the ridiculously low price of \$1.29, equal in value to tubes selling at almost double our price.

Wizard radio tubes are built by a large and well-known factory from the best selected materials and with the latest scientific process of manufacture. Genuine bakelite base, cold drawn thoriated tungsten filament. Filament, grid, and plates supported to prevent short-circuiting. Made especially strong and durable. Uniform specifications. Every tube carefully inspected and double tested and properly labeled before leaving factory.

Tubes are the heart of your set. Replace tubes with Wizards. You will be surprised at the great improvement in volume, range, and tone reception. When ordering tubes give all the numbers on the base of your old tubes. Where it is convenient we suggest you send or bring in the tubes you want replaced. (Ship. wt., 6oz.)
WZX201A—6-volt detector and amplifier. Interchangeable with UX201A, CX301A, etc. **1.29**

- WZX199—4½-volt dry cell type, new style, with ½" prongs, interchangeable with UX199, CX299 **1.45**
- WZ199—4½-volt dry cell type, old style with ½" prongs. Interchangeable with UV199, C299 **1.45**
- WZX200A—Extra Powerful Detector. 6-volt, ½-ampere. Replace old Uv200 and UX200, C & CX300. Interchangeable with UX200A and CX300A. Very sensitive to weak signals. Use only one to a set in detector socket. **1.95**

- WZX112—6-volts; requires 135 volts of "B" battery and 9 volts of "C". Gives greater volume and purer tone. Exceptional long life. **1.95**
 - WZX171 6-volts; requires 135 to 180 volts of "B" and 18 to 45 volts of "C". Very economical **1.95**
- Rectifying Tubes**
- WZX380—Full wave rectifier for A. C. up to 220 volts. For "B" eliminators. **3.35**
 - WZX381—Half wave rectifier for A. C. up to 550 volts. For "B" eliminators. **3.85**

Genuine RCA-Radiotron Radio Tubes

MADE BY THE MAKERS OF RADIOLAS

Need no introduction. They are internationally known and recognized as one of the best tubes ever produced and are used as standard equipment by leading radio manufacturers. This is the highest endorsement for their superior quality. If you are experiencing any difficulty in reception get Radiotron tubes. You will be amazed at the great improvement they will make. We ship Radiotron tubes prepaid anywhere at the following prices. When ordering tubes give all the numbers on the base of your old tubes. Where it is convenient we suggest you send or bring in the tubes you want replaced.

- C5573—UX201A, 6-volt storage battery tube. Interchangeable with CX301A and UV201A. **1.75**
- C5576—UX199, 4½-volt dry cell tube. Base, 1½", ½" prongs. Interchangeable with CX299. . . . **2.25**
- C5575—UV199, 4½-volt dry cell tube. Base, 1", ½" prongs. Interchangeable with C299. . . . **2.25**
- C5577—UX200A. Special 6-volt detector. Interchangeable with CX300A. Replaces CX300, UV200. **4.00**

Special Power Tubes

- C5586—UX112, 6-volt power tube, requires 135 volts of "B" and 9 volts "C". More volume, purer tone, longer life. **4.50**
- C5587—UX171, 6-volt power tube, requires 135 volts of "B" and 9 to 40 volts of "C". More volume, no distortion, very economical. **4.50**
- C5588—UX210, 6-8 volts batt. or rect. A.C.; requires 90 to 425 volts of "B". For great volume **9.00**

Rectifying Tubes

- C5593—UX213, Full wave rectifier for use on A. C. up to 220 volts. For use in "B" eliminators. Delivers very even current **5.00**
- C5594—UX216B, Half wave rectifier for use on A. C. up to 550 volts. For use with "B" eliminator **7.50**

Duratron Radio Tubes

Scientifically made of best material and workmanship. Standard specifications and equal to tubes sold elsewhere at double our price. For purity and rating of Duratron tubes see corresponding Radiotron tube above. When ordering tubes give all the numbers on the base of your old tubes. Where it is convenient we suggest you send or bring in the tubes you want replaced. (Ship. wt., 6 oz.)

- DX201A—6-volt detector and amplifier. **.89**
- DX199—4½-volt dry cell, new style, base 1½" x ½" prongs. **.98**
- DV199—4½-volt dry cell, old style, 1" x ½" **.98**
- DX200A—6-volt special detector **1.45**
- DX112—6-volt detector **Special Power Tube** **1.45**
- DX171—6-volt **Special Power Tube** requires 135 volts "B", 40 volts, "C" **1.45**
- DX120—Special Power Tube for 4½ volts of dry cell. Uses 135 volts of "B" battery and 22½ volts of "C" battery. **1.15**
- DX213—Full wave up to 220 volts, A. C for "B" eliminator **2.95**
- DX216B—Half wave **Rectifying Tube** up to 550 volts A. C for "B" eliminator **3.15**

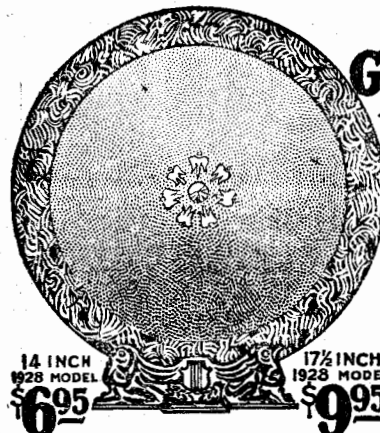


89¢ TYPE 201 A

SAVE 20%

Genuine O'Neil Cone Speakers

Unexcelled for Tone, Volume, Reception



We have tested out practically every speaker of merit on the market and in every test we found the O'Neil to rank superior for true tone value, clearness, volume, long life, and attractiveness. Well made of best materials, reinforced wood back, oversize magnets, thus insuring longer life, more power and volume. Will carry amplification up to 450 volts.

Why take chances or experiment with unknown speakers when you can get the O'Neil nationally known speaker at our special reduced prices? Furnished complete with wire and plugs, standard fittings for all makesets. Newest design, beautifully finished in jade green and bronze with metal and bronze base. Average shipping weight, about 6 pounds.

30-DAY TRIAL OFFER

Take this opportunity to compare O'Neil speakers with any other speaker on the market. If at the end of 30 days you are not convinced that it is superior to any speaker that you have ever used, return it to us at our expense and we will cheerfully refund every cent that you have paid.

- C5578—O'Neil Cone Speaker; height, 18½"; diameter, 17½"; regular list price, \$12.75 **Our Reduced Price 9.95**
- C5579—Same as above, height, 16"; diameter, 14"; regular list price, \$8.50 **Our Reduced Price 6.95**

Aerial Outfits

Save time and money. Buy our complete outfit rather than try to assemble your aerial.

- C5877—Extra quality **Aerial Outfit**: Contains 100 ft. 7 strand No. 24 coated aerial wire; 25 feet weather-proofed insulated No. 14 lead-in wire; 30 ft. of No. 18 insulated wire; 2 glass aerial insulators; 2 nail knobs; 2 screw eyes; 6 insulated staples; 1 ground clamp; 1 window lead-in strip, and 1 **Storm Guard INSULATED Lightning Arrestor** (see next column). Wt. 6 lbs. **2.35**
- C5851—Standard **Aerial Outfit**: Contains 100 ft. 7-strand No. 14 coated aerial wire; 25 ft. rubber covered No. 14 lead-in wire; 2 porcelain aerial insulators; 4 nail knobs; 2 screw eyes; 1 window lead-in strip 16" long; 1 ground clamp; and 1 good quality, reliable lightning arrestor. (Ship. wt., 4 lbs.) Complete in cardboard box. . . . **1.29**

Ideal Ball Antenna

Better reception, longer range, less static and increased selectivity. Receives equally well from all directions. Much easier and quicker to install, presents a far better appearance, occupies much less space, and is not nearly so liable to breakage or danger as an ordinary wire aerial.

- Consists of a heavily nickel-plated copper globe, 10 inches in diameter, containing a length of scientifically arranged aerial wire, together with four insulated copper guy wires and an adjustable bracket for attachment to any roof or wall with complete instruction.
- C5850—Ball Aerial, with guy wires, 4 insulators and brackets but without pole or lead-in wire (Ship. wt., 10 lbs.). **7.95**

"Ground-Hog" Radio Ground

When buried in the earth the "Groundhog" makes a perfect ground, giving less static, more volume, longer distance.

- Consists of a copper shell with chemicals that draw the water to them, keeping your radio ground always wet. Thousands of enthusiastic users everywhere, guaranteed "Satisfaction or Money Back."
- C5851—Ground Hog (Ship. wt., 4 lbs.) Our Reduced Price. **2.95**

Rose "Silver Streak" Ground

- A rod of especially treated metal which when driven deep into the ground makes a better connection with the moist soil down deep and your radio ground gives far better reception, longer distance, less static, than a makeshift ground. Screw near top for attaching ground wire, point end makes driving easy.
- C5859—Rose Silver Streak, 4 ft. long (Ship. wt., 6 lbs.). **.48**

Extension Cord for Loud Speaker

Consists of 30 ft. of braid covered copper cord, and equipped with phone plugs at one end and socket at the other end for attaching to loud speaker. Enables you to carry speaker to different rooms without moving radio. Does not interfere with reception.

- C5859—30-ft. Extension Cord (Ship. wt., 1 lb.) **.95**

Storm Guard Lightning Arrestor

- So well made of such excellent materials that it bears this guarantee, "We will repair free of charge, to the extent of \$100.00, any radio set equipped with a Storm Guard Lightning Arrestor that is damaged by lightning."
- C5878—Storm Guard Lightning Arrestor (illustrated), complete with bracket. (Ship. wt., 1 lb.) **1.15**
- C5876—Lightning Arrestor, competition grade. **.24**

Aerial Wire

- Seven strand, 24 gauge; coated copper wire especially adapted for aerials.
- C5879—Aerial Wire, 100 ft. coil (Ship. wt., 3 lbs.) **.48**

Aerial Insulators and Nail Knobs

- C5873—Aerial Insulators, glazed porcelain and extra strong. (Ship. wt., 6 oz.), each **5c**
- C5871—Nail knobs, porcelain, notches to hold wires, and leather pad (Ship. wt., 8 oz.) Each **3c** 2 for **5c**

Lead-In Wire

- Heavily insulated, 14 gauge, stranded with protective weatherproof casing. More flexible than single wire. Ship. wt., per ft., 4 oz.; per hundred ft., 22 lbs.
- C5875—Lead-in Wire, per ft., **2c**; per 50 ft. **.85**

Window Lead-In Strip

- A thin strip of copper, thoroughly insulated to bring aerial lead into house. Does not interfere with closing window. Has clips to hold wires.
- C5874—Window Lead-in, size ¾" x 13" (Ship. wt., 8oz.) . . **12**

Knife Switch

- Single pull, double throw. Porcelain base. Screw binding posts. Hardwood handle.
- C5870—Knife Switch (Ship. wt., 1¼ lbs.) **.25**

Ground Clamp

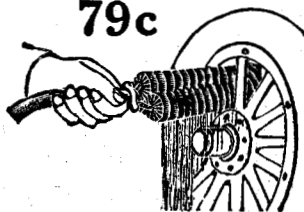
- A strip of copper. Has clip to hold ground wire. Adjustable for water pipes and ground rods from ¾" to 2". Makes a positive connection.
- C5872—Ground Clamp, complete with bolt and nut (Shin. wt., 6 oz.), each **8c**



Shine Up

Fountain Spoke Brush

79c



Attaches right to hose nozzle and lets you get brush and water to the same spot at the same time with one hand. Metal parts are brass, brush is extra quality bristle. Will not scratch nor injure the finish. Ship. wt., 2 lbs.

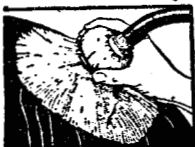
G6861—Fountain Spoke Brush..... **.79**

Extra Quality Spoke Brush

A handy brush for washing spokes of wood or wire wheels or any inaccessible part of a car. Bristles are of high-grade fiber and are securely held in place by heavy twisted wire. Length about 15 in.

G6904—Spoke Brush (Shipping wt., 1 lb.)..... **.35**

Washing Mop



Screws on in place of nozzle on the end of any 3/4" hose. Makes washing the car a quick and easy job.

Made of soft long white cotton threads, that will not scratch or mar the finish. The water flowing through the mop keeps it clean all the time. Dries soft. Hose attachment is brass. Ship. wt., 1 lb. G6864—Washing Mop..... **.98**

Long Handled Washing Mop

Similar to the above mop but in addition it has a hollow handle, 8 inches long. Allows user to stand back farther from car and take less chance of getting wet. The cotton mop head may be instantly removed, leaving a rubber scrubber for cleaning off caked mud, etc. Ship. wt., 2 lbs. Regular list price, \$4.00

G6862—Long Handled Auto-Mop..... **1.95**

Long Fender Brush

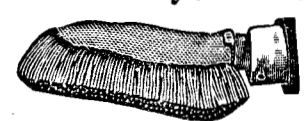
For Reaching Out of the Way Places



A very handy brush for washing under the fenders, the chassis and other out-of-reach places. Handle is of wood and is about 18 inches long. Brush is made of strong fibre bristles and is 7 inches long and 4 inches wide. Will wear well and last a long time. Ship. wt., 2 1/2 lbs.

G6905—Fender Brush with long handle..... **.35**

Handy Mitten Duster



Absorbs the dust, instead of scattering. Polishes the surface without scratching. Lessens labor and expense of many car washings. Made of heavy yarn chemically treated. Fits and protects either hand. When soiled can be washed in clear water and used again, as it retains its chemical properties. Contains nothing injurious. Will last indefinitely.

G6902—Mitten Duster (Shipping weight, 1 lb.)... **.35**

Whole Skin Chamois



These chamois are No. 1 grade, thick, heavy, and free from blemishes; very soft and absorbent. Tanned by the world's largest tanner from hides imported from Australia. The best auto chamois made. A fortunate contract enables us to offer them at a specially reduced price.

Shipping weight, 8 oz.
G6895—Chamois, about 13"x17"..... **.58**
G6896—Chamois, about 17"x23"..... **1.05**
G6894—Chamois, about 23"x28"..... **1.48**

"Utility" All-Chamois Polishers

A very serviceable, washable automobile polisher, made from all-chamois, double thickness, the pieces being sewed together with silk stitch. Gives the same service as a one-piece chamois and is used in the same manner. Ship. wt., 8 oz.

G6883—Size 13x16 in.... **.29**
G6884—Size 16x21 in.... **.54**

Chamois Cloths

Soft knitted cotton on one side with downy finish on the other. Feels and look like, and takes the place of chamois. Very absorbent—not treated, can be washed. Excellent for dusting, washing, drying, polishing. (Ship. wt., 8 oz.)

G6913—Chamois Cloth, 14" x16"..... **.28**
G6914—Chamois Cloth, 18" x23"..... **.42**

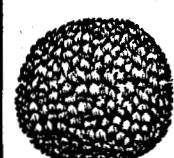
High Grade Velvet Sponges

These are the "velvet" or ordinary commercial sponges, of selected quality, very useful for washing and cleaning auto bodies. Shipping wt., 4 oz.

Our Reduced Price
G6898—Sponge (small)... **.38**
G6899—Sponge (large)... **.65**

Sheep Wool Sponges

FOR THE MAN WHO WANTS THE BEST



Sheep's wool sponges are more closely grained than velvet sponges, making them softer and tougher and much more serviceable. Will stand a great deal of rough usage without tearing. The size we offer is the handiest for auto use. Ship. wt., 6 oz.

G7002—Sheep's Wool Sponge (diam. about 6 in.)..... **.88**

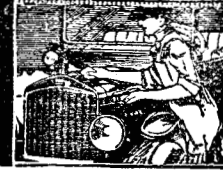
Western Dust Cloths

A specially treated dust cloth, 15x27 inches, that cleans and polishes in one operation and protects surface from air and moisture. Picks up dust without scratching surface. For use on automobile bodies and furniture, also on brass, nickel and all polished metal surfaces.

G6901—Western Dust Cloth without case (Ship. wt., 6 oz.)... **.22**
G7028—Western Dust Cloth in neat leatherette case, as illustrated (Ship. wt., 12 oz.)... **.35**



Your Car



Genuine Simoniz Polish and Cleaner 44c



Simoniz is one of the best and most up-to-date cleaners and polishes on the market. It not only cleans but puts a polish on the car that stays on for some time. Not like most polishes that have to be put on every time the car is



cleaned, it will be as bright as ever with dusting off. It will remove dust, dirt and all spots, giving a bright shiny finish equal to a brand new car. Full directions on every can.
G6881—Simon's Simoniz (Ship. wt., 1 1/2 lbs.)... **.44** G6880—Simon's Cleaner... (Ship. wt., 1 1/2 lbs.)... **.44**
A Proven Cleaner and Polisher for Duco and other Lacquer Finishes.

Common-Sense Polish

THE POPULAR AUTO POLISH

A wonderful, greaseless polish that cleans, revives and preserves finished surfaces. Will restore the high gloss to the finish of an automobile which has become dull and dingy through neglect. Apply with clean, soft cloth and rub briskly with soft flannel or polishing cloth. Common-Sense Polish is also an excellent cleaner for glass.



Our Reduced Price
G6877—6-oz. bottle..... **.38**
G6878—16-oz. bottle..... **.78**
G6879—32-oz. bottle..... **1.38**

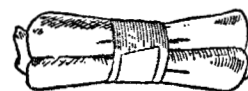
999 Auto Polish

The latest and highest development in Auto polishes. Contains absolutely nothing harmful. No Acids—no soaps—no oils—no wax. Works faster than most polishes. Cleans almost instantly—polishes with a few smart rubs. A pleasure to use because of the quick results. Gives a brilliant, hard, dry lustre at once which protects as well as beautifies. *Equal- ly effective for use on enamel, Duco and other lacquered finishes.*

G6948—Pint Can (wt., 2 lbs.)..... **.67**
G6949—Quart Can (wt., 3 lbs.)..... **1.12**

Polishing Cloth

The ideal material for cleaning or polishing automobiles. Will not scratch the finest surface.



Ship. wt., 8 oz.
G6863—Polishing Cloth 3 yds., about 36" wide... **.19**

Western Special Soap

For cleaning practically anything. Especially adapted for use on automobiles. Leaves a beautiful finish. For use on hands it leaves the skin soft. Injures nothing.



G7037—1-lb. can..... **.27**
G7039—5-lb. can..... **.95**

Mechanics' Hand Soap



Prepared expressly for use by motorists, mechanics and others, for quickly removing grease, grime, and stains. It cleans quickly, healing and softening the skin. Will not chap the hands. Also excellent for general use around the house.

G7017—Hand Soap (Ship. wt. 1 lb.)..... **.14**

Golden Star Polish

The Quick, Easy Polish that Leaves a Hard, Dry Lustrous Finish

Quick and easy to apply. You do not even have to wash the car. "Golden Star" does all the work. You can completely polish your car in an hour with "Golden Star" and get excellent results in lustre, hardness and lasting power, equal to practically any other polish, which usually require a full half day to apply. Equally effective on varnish, enamel, Duco or any lacquer finish. Contains no grit and no acids—absolutely harmless. Especially pleasing on cars whose body paint is badly checked.



G7031—1/2 pint (Ship. wt. 1 lb.)..... **.39**
G7032—1 pint (Ship. wt. 1 1/2 lbs.)..... **.59**

Duco No. 7 Polish

For All Lacquer Finishes

This polish was originated by the people who originated Duco, as the most effective polish for Duco finished cars. Some polishes harm this new finish but Duco No. 7 only adds to its beauty and lasting qualities. Equally effective on all other lacquer finishes.

G7038—Duco No. 7 Polish, pint size, (Ship. wt., 1 lb.)..... **.85**
G7078—Duco No. 7 Polish, 6 oz. size (Ship. wt., 10 oz.)..... **.45**

Duco No. 7 Nickel Polish

A very quick and effective paste polish for nickel, brass, copper, aluminum, etc. Removes tarnish and rain spots. Developed by the famous Du Pont Co. Ship. wt., 8 oz.



G7074—Duco No. 7 Metal Polish, 4 oz. can..... **.42**

For Reflector Polish see page 52

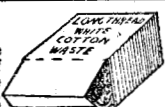
Golden Star Nickel Polish

Cleans and polishes nickel, making it bright as new. A liquid polish. Very effective. Easy to use. Does not harm surfaces. Handy screw top can prevents leakage or evaporation.

Our Reduced Price
G7008—1/2-pint size (wt., 1 lb.)..... **.24**
G7009—1-pint size (wt., 1 1/2 lbs.)..... **.42**

White Cotton Waste

Fine quality, long thread, white waste for cleaning greasy parts of the car.



Our Reduced Price
G6908—12 oz. carton..... **.25**

Closed Car Top Dressing



The extra heavy Pantasote used on closed cars requires a special dressing to keep it strong, and waterproof. Our dressing is prepared especially for closed car tops and will restore them to excellent condition and appearance.

Directions are given on each can how to use both as a dressing and for repairing small leaks and holes.

G6821—1-Pint Can (Ship. wt., 2 lbs.) **.58**

Saharid Dressing

The best waterproofing for tops, tents, shoes, clothing, etc., we have ever found. Penetrates the material and renders each individual fibre water-resistant. Leaves material soft and pliable—will not peel off or crack—prevents mold or mildew in any climate. Try a can of Saharid and see for yourself the wonderful results.



G6918—6 oz. Black (wt. 1 lb.) **.39**
G6922—Pint size, Black (wt. 2 lbs.) **.79**
G6923—Quart size, Black (wt. 3 lbs.) **1.39**
G6924—6 oz. Colorless (wt. 1 lb.) **.39**
G6917—Saharid Closed Car Special top dressing. Of thicker consistency than regular Saharid. Gives an excellent, beautiful finish. Pint size. (Ship. weight, 2 lbs.) **.85**

Top and Cushion Dressing



Softens, preserves and water-proofs auto cushions, tops and all pantasote leather and rubber goods, leaving a rich lasting finish; sun, heat or dampness do not affect it. A few hours after application, cushions can be used safely, and the dressing will not rub off or discolor garments. Any one can apply dressing with a soft brush. Being thin it works into cracks and tufts, giving a beautiful, uniform finish.

G6815—1-pt. Can, (Wt., 2 lbs.) **.45**
G6814—1-qt. Can, (Wt., 3 lbs.) **.79**

Primer and Filler Paint

For All Enamels and Lacquers



Leaves a flat, dull surface which adheres to metal when old paint has been removed, or for filling up checks before putting on fresh paint or lacquer. Will smooth up even badly checked surfaces and enable anyone to do a first class paint job. Pint size will cover any car once. Ship. wt., 2 lbs.

G6842—Black, pint **.49**
G6843—Gray, pint **.48**

Brush-In-Can Enamel

One-half pint of high quality enamel for touching up marred, rusty, worn and chipped places in the finish of a car. Dries quickly. Can has a screw top with a brush attached. Order a can for touching up places on your car. Ship. wt., 13 oz.



J7754—Brush-in-Can Enamel **.45**

Steel Wool



Is used anywhere you have formerly used sandpaper. For cleaning up rough or rusted spots, before painting, it can hot be equalled. Also used in household for cleaning pots and pans. Large household

size. (Ship. wt. 4 lbs.)
G7083—Steel Wool, per package **.10**

Rubber Coat Gum Surfacing

For Open Car Tops



58c
PINT

Will make practically a new top out of any old one of pantasote or rubber, by gum surfacing it with an elastic coating that makes the old top resemble a new, expensive leather one. It is more elastic than leather, and freezing, sun-baking or soaking will not affect its elasticity or finish.

A 1-pint can is enough to put one coat on a touring car top, giving it a good dressing and a new appearance, but to gum-surface the top (requiring two coats) you must have a quart can. The pint can will gum-surface a roadster top.

G6831—1-pt. Can Rubber Coat. (Ship. wt., 2 lbs.) **.58**
G6830—1-qt. Can Rubber Coat. (Ship. wt., 3 lbs.) **.94**

Lining Dye



Will dye the lining of any top a perfectly even color, eliminating every spot, faded or dirty streak, at one application with a sponge, without removing the top. Will not soak up, rub off or run when the top is wet. It will not injure the fabric or fade—merely dyes the cloth like new, without changing it in any other respect. Drab dye is for renewing color of Khaki tops.

G6836—Pint can, Black Dye Wt., 2 lbs. **.46**
G6838—Pint can, Drab Dye Wt., 2 lbs. **.80**

Cylinder Enamel

A high-grade, heat resisting enamel for painting automobile motors, boilers, etc., which will hold its color under very intense heat. To apply simply clean motor with gasoline and give good coating of enamel. (Ship. wt., 1 lb.)



G7080—1/2-pt. can, black **.39**
G7081—1/2-pt. can, gray **.48**

Rim Paint



Prevents rust, which spoils inner tubes and sticks casings to rim. Makes tire changing easy, prevents tearing tube when removing it and adds many months to the life of the tube. Put up in 1/2-pint cans—enough for four small rims or two large rims. Shipping weight, 1 lb.

G6844—1/2-pt. Can **.29**

Handy Sand Paper Assortments

These assortments are made of the highest quality sandpaper obtainable. For use when repainting cars, etc. Ship. wt., 8 oz.

DRY SANDPAPER
Assortment, 20 sheets of Flint paper 4 1/4" x 8" properly divided in five grades, from very fine to coarse for use on dry surfaces.

H7525—Dry Sandpaper Assortment **.10**

WET OR DRY SANDPAPER
12 sheets of Flint paper properly divided in grades from very fine to coarse. Treated so that it may be used dry in regular way, but goes farther and does better work when used wet.

H7526—Wet or Dry Sandpaper Assortment **.15**

Refinish Your Own Car

Quick Drying Oil Lacquer

In Popular Colors

Easy to apply, dries quickly to avoid catching dust, and, at the same time, is tough and durable. Does not dry on the brush, but can be applied like any ordinary varnish and can be smoothed out for 30 minutes after applying, without showing laps and brush marks. Yet at the end of an hour or less in average temperatures, it hardens and becomes dust-proof. Gives the popular semi-bright finish of a spray-lacquer job, and may be polished to a beautiful lustre. Wears far better than the ordinary auto finish. No special preparation necessary—directions on every can. (Ship. wt., pint 2 lbs.; 1/2-pint, 1 lb.)



G6822—Black pint **.78** G6801—1/2 pint **.54**
G6823—Medium Blue pint **.78** G6802—1/2 pint **.54**
G6824—Medium Green pint **.78** G6803—1/2 pint **.54**
G6825—Green Grey pint **.78** G6804—1/2 pint **.54**
G6826—Light Grey, like finish on late Chev. cars pint **.78** G6805—1/2 pint **.54**
G6827—Medium Red pint **.78** G6806—1/2 pint **.54**
G6828—Maroon Red pint **.78** G6807—1/2 pint **.54**
G6829—Dark Blue pint **.78** G6808—1/2 pint **.54**
G6832—Light Blue pint **.78** G6809—1/2 pint **.54**
G6833—Saharid Sand pint **.78** G6812—1/2 pint **.54**
G6835—Jade Green pint **.78** G6813—1/2 pint **.54**
G6837—Cream pint **.78** G6816—1/2 pint **.54**
G6839—White pint **.78** G6817—1/2 pint **.54**
G6840—Clear pint **.78** G6818—1/2 pint **.54**

Western Auto Finishes

A very high grade finish, especially prepared for auto bodies, fenders, wheels, etc. With our variety of colors you can have almost any combination you want and bring paint on your car up-to-date, like the beautiful color schemes on recent models. If you are undecided about the colors you want, write us for card of sample colors. Ship. weight, quart 3 lbs., pint 2 lbs.



G6800—Blacks, quart **.98**
G7065—Black, pt. **.59** G7068—Maroon, pt. **.88**
G7066—Dk. Blue pt. **.88** G7070—White, pt. **.88**
G7067—Dk. Green pt. **.88** G7071—Gray, pt. **.88**

Painting and Refinishing Outfit



SPECIAL \$1.98

You can go over your entire car with this outfit in a short time and have it looking just like new. No experience necessary. Complete printed instructions and all necessary material, packed in a substantial box. Best quality materials, all ready mixed for use. No delay, no waste. A dependable outfit that will give you a serviceable job.

B5473—Outfit for open cars containing enough paint and top dressing to go over a Ford Touring or other small car once—also brush, steel wool, and full instructions (Ship. wt., 5 lbs.) **1.98**
B5477—Outfit for closed cars, contains enough paint and special closed car top dressing to cover a Ford Sedan or other small closed car once—also brush, steel wool, and full instructions. (Ship. wt., 5 lbs.) **1.98**

AIR-DRYING ENAMELS



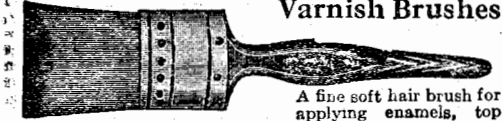
Our air drying enamels gives a nice smooth brilliant enamel finish that will not crack or peel. Durable and will not chip off. Is not affected by hot or cold weather.

G6854—Black Enamel 1/4 pt. (Ship. wt., 3 oz.) **.24**
G6855—Black Enamel 1/2 pt. (Ship. wt., 1 lb.) **.39**
G6856—Black Enamel 1 pt. (Ship. wt., 2 lbs.) **.62**

Aluminum Enamel

Will withstand extreme heat.
G6852—Aluminum Enamel, 1/2 pt. (Ship. wt., 1 lb.) **.38**

Varnish Brushes



A fine soft hair brush for applying enamels, top dressing or varnish. Shipping weight, 8 oz.

G6860—Varnish Brush, 1 inch wide **.16**
G6859—Varnish Brush, 2 inches wide **.27**
G6858—Varnish Brush, 3 inches wide **.52**

REFINISHING BRUSHES—EXTRA QUALITY

Extra fine brushes, vulcanized in rubber, for refinishing work.
G7060—Extra Quality, 1-in. **.38**
G7061—Extra Quality, 2-in. **.68**
G7062—Extra Quality, 3-in. **1.19**

Paint Remover

If the paint on your car is bad, it will usually pay you to use a paint remover like the paint shops. This entirely removes all paint, varnish, etc., and leaves a clean surface upon which to build up the new finish.

G7085—Paint Remover, pint, (Ship. wt., 1 1/2 lbs.) **.42**
G7086—Paint Remover, quart, (Ship. wt., 3 lbs.) **.72**



Clear Auto Varnish



A pure colorless varnish which adds depth and richness to the color and produces a luxurious bright appearance.

When only the finish on a car has become dull—and the base color is still in good condition—a coat of Clear Auto Varnish will restore the original bright new luster.
G6811—1-pt. Can, (wt., 2 lbs.) **.62**
G6810—1-qt. Can, (wt., 3 lbs.) **1.10**

Western Paint and Varnish Remover

Simply mix with water, apply to painted or varnished surface, let stand a few minutes and it will wash off in water like mud, leaving the bare metal exposed. The best remover we have ever seen; easiest to use. Pint can makes a gallon of liquid, enough for any ordinary car. Ship. wt., 2 lbs.

G6934—One pint can (with small mop for applying), pint **1.15**
G6935—1/2-pint can (with small mop for applying), 1/2-pint. **.72**



Extra Quality Radiator Caps
BAR STYLE

These are substantial, heavy caps, made of best quality material, heavily nickel-plated, so they will not tarnish. They are made to withstand the severest heat without injury. Guaranteed to fit. Shipping weight, about 2 lbs.



- K8090—Fits all model Ford cars, also Gray..... **.68**
- K8093—For Chevrolet, Star, Essex 6 to '26 and Olds. 30..... **.68**

Wing Style Radiator Cap

A very popular cap because of its graceful design and neat workmanship. Made of bronze, finished in highly polished nickel, and is strong and durable. Length 9 inches from tip to tip. Ship. wt., 2 1/2 lbs.

- K8088—For Ford and Gray cars..... **.98**
- K8089—For Chevrolet, Essex to '27, Star and Olds.. **.98**

Sioux Radiator Cap
FOR FORDS AND GRAY

Very attractive and interesting. The warrior in his war bonnet represents courage and freedom. The wings on the cap represent speed and efficiency. Very American. Just the right size and proportions to set off the Ford or Gray radiator. Made of durable rust-proof metal. Nicely finished in polished nickel plate. Ship. wt., 2 lbs.



- B5298A—"Sioux" Radiator Cap with Warrior..... **.48**
- B5298—"Winged Radiator Cap only (Wt., 1 lb.)..... **.25**
- B5299—"Warrior Head only (for any radiator cap)..... **.25**
- B5475—"Warrior Head, larger than B5299..... **.42**

Radiator Cap and Eagle 40c
For Ford and Gray Cars

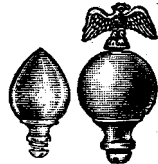
Radiator ornaments and nickel-plated radiator caps have become very popular. Here is one made especially for the Ford car which we are offering at an unusually low price. Cap and eagle are nickel-plated and rust-proof.

- Cap is 5 1/2 inches long.
- B5501—Cap and Eagle complete. (wt. 1 1/2 lbs.)... **.40**
- B5502—Eagle only. (Ship wt., 8 oz.)..... **.19**
- B5503—Cap only—no hole drilled. (wt., 1 lb.).... **.27**

Balls for Radiator Caps

Very attractive ornaments. Well made and handsomely nickel plated. Ship. wt., 12 oz.

- B5516—Ball with eagle.... **.65**
- B5517—Ball (2" diameter) without ornament.... **.32**
- B5486—Ball with small Sioux Warrior Head mounted on it. (Ship. wt., 2 lbs.).... **.65**
- B5474—Pear-shaped ornament about 2 1/2" tall.... **.35**
- B5476—Pear-shaped ornament, smaller than B5474. **.25**



Initials for Radiator Front

If you are proud of your car, let the world know who owns it. Put your initials on the radiator front. Made of a special rust-proof alloy, heavily nickel-plated and highly polished. The letters are very graceful. Quickly and easily attached to the radiator by long, thin bolts. Interfere in no way with cooling and will not be sure to give the initials.

- A5190—Any one initial..... **.35**
- Any 3 initials..... **.98**

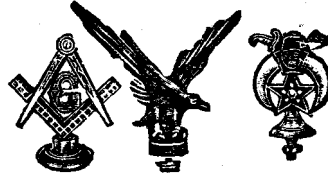
Veiled Dancer and Racing Dog

The latest popular radiator ornaments. Fasten under the motor-meter or to the radiator cap and extend out in front. Very attractive and graceful. Strong and well made and finished in polished nickel. The Veiled Dancer is an unusually graceful personification of abandon and speed. Shipping weight, 1 lb.

- C5668—Dancer (illustrated) length 9 inches..... **1.25**
- C5665—Racing Dog (illus.) 7 1/2 inches..... **.89**

Radiator Cap Ornaments

A beautiful radiator ornament adds distinction to any car, which accounts for their great popularity everywhere. Our ornaments are made of solid metal, which will withstand vibration and rough usage. Finished in beautiful gold plate that will not crack or peel off. Fasten on top of radiator cap; easy to install. Average ship. wt., 1 lb.



- A5233—Eagle, gold finish, 5 1/2 in. across wings... **1.68**
- B5479—Eagle, nickel finish, 2 in. high, 3 in. wide... **.48**
- A5235—Masonic, gold finish, 4 in. high, 3 in. wide... **1.85**
- A5236—Shriner, gold finish, enameled, 4 in. high, 3 in. wide... **1.85**
- A5225—I. O. O. F., gold finish, enameled, 4 in. high, 3 in. wide... **1.85**

Diving Girl Ornament

An attractive radiator ornament, substantially made, handsomely nickel-plated. May be installed in radiator cap, or for use with motor-meter a little extension bar may be used to mount ornament about an inch in front of motor-meter. Ship. wt., 1 lb.



- A5193—Diving Girl, 2 1/2 in. high... **.58**
- A5194—Diving Girl, 4 1/2 in. high... **1.12**
- A5191—Extension Bar, to use with motor-meter..... **.48**
- B5478—Speed Nymph, 3 1/2 in.... **.48**

Moto Wings

Fasten between motor-meter and radiator cap. Made of rust proof materials, beautifully finished. Prices do not include motor-meters.

- Plain Wings (shown at right)**
- B5513—Moto Wings, 9 inch tip to tip. (Wt. 1 lb.)... **.38**
- B5514—Moto Wings, 14 inch tip to tip. (Wt. 1 1/2 lbs.)... **.47**
- Mercury Wings (shown at left)**
- A5066—Mercury Wings, 8 in. tip to tip. (Wt. 8 oz.)... **.48**
- A5066A—Mercury Wings, 5 in. tip to tip, (6 oz.)... **.38**

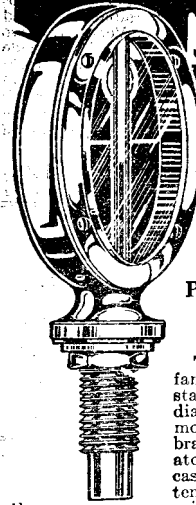
Rotascope Ornaments

A novel ornament which rotates on ball bearings like a windmill whenever car is going, or in slight breeze. The interior of the four rotating shells is enameled red, which reflects attractively in the big nickel-plated ball at top. Made of brass, nickel-plated.

Comes equipped with radiator cap to fit Ford cars, as illustrated. By removing Ford radiator cap Rotascope can be used on radiator cap or fender of any car.

- C5589—Radiator Cap Rotascope (Ship. wt., 1 lb.).. **1.85**

GENUINE BOYCE
MOTO-METER



"Your motor deserves one"
\$2.58
and up

PROTECT YOUR MOTOR FROM OVERHEATING
BEAUTIFY YOUR CAR

These well known Moto-meters are familiar to everyone. They are installed in a hole bored through the radiator cap of your car. A delicate thermometer with a red fluid protected by a brass shell extends down into the radiator neck, and up into the Moto-meter case. Marks on the dial indicate the temperature of your motor. The thermometer is magnified so that it can be read from the drivers seat. Beautiful in design and finish.

They warn you when your motor is becoming overheated due to lack of lubrication, lack of water in the radiator, broken fan belt, etc., so that you can prevent burnt out bearings, scored cylinder walls, or even a ruined motor. Add beauty and grace to the radiator cap.

- B5358—Midget Moto-meter (Wt. 10 oz.)..... **2.58**
- B5360—Special for Fords (comp. with Rad. Cap)..... **2.85**
- B5366—Junior size (glass on both sides). Wt. 12 oz. **3.85**
- B5362—Universal. (3 in. x 5 in.) Wt. 1 lb. **5.49**
- B5363—Standard size. (3 3/4 in. x 5 1/2 in.) Wt. 18 oz. **7.45**

Special Locking Caps
FORD AND CHEVROLET

Something new—a strong, substantial, locking winged radiator cap with handsome ornament built right into the base. Combines beauty and distinctive appearance without interfering with motor-meter or filling the radiator. Special catch makes filling easy. Cap, wings, and figure are special rust proof metal finished in highly polished nickel. Cap locks to radiator and motor-meter to cap. Prices do not include Motor-meter. Ship. wt., 3 lbs.

- C5675—Speed Goddess Cap for Fords..... **2.58**
- C5676—Speed Goddess Cap for Chevrolets..... **2.58**

"Full Flight" Winged Cap
SPECIAL FOR FORDS AND CHEVROLETS

A very graceful cap with wings. Can be used with or without motor-meter or other ornament. Locks to the radiator and provides for locking motor-meter or ornament to cap. Made of special rust-proof metal finished in highly polished nickel. Price does not include motor-meter.

- C5673—Special Wing Cap for Fords (Wt. 2 lbs.)... **1.58**
- C5674—Special Wing Cap for Chevrolet (Wt. 2 lbs.)... **1.58**

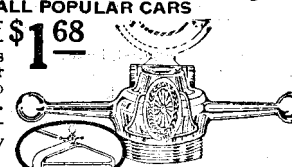
Peacock Radiator Cap Ornament

Similar to the famous Chevrolet peacock. Designed to attach to the cap by means of motor-meter or special screw and to set in front of motor-meter so that it does not interfere. Made of rust-proof metal—nicely finished in either nickel or in colors. Ship. wt., 1 lb.

- C5671—Peacock orn., nickel finish... **.68**
- C5672—Peacock orn., finished in colors..... **.85**

Popular Locking Radiator Caps
FOR ALL POPULAR CARS

Our most popular cap. It is very graceful in design and sets off the front of the car very neatly. Not too big and not too little. The conventional sun-burst emblem is very pleasing.



- A special safety set screw locks cap to radiator. A steel disc which cuts into the lid upon installation locks the Moto-meter to the cap, making the whole assembly theft-proof. Cap made of rust-proof metal, with highly polished nickel finish. Hinged lid with clamp lock makes filling the radiator easy. Length, 7 inches. Ship. wt., 1 1/2 lbs.
- D6256—For Ford or Gray..... **1.68**
- D6257—For Chevrolet, Essex to '27, Olds., Star... **1.68**
- D6258—For Dodge, Studebaker, Cleveland, Rollin... **1.78**
- D6259—For Maxwell, Chrysler, Overland, Willys-Knight..... **1.89**

Winged Popular Radiator Cap

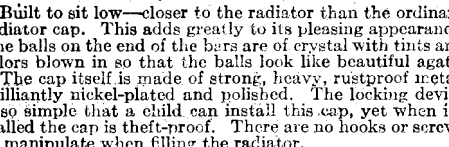
Same cap exactly as above except with graceful wings instead of bars.



- Length about 10 inches. Ship. wt. 2 lbs.
- D6196—For Ford or Gray..... **1.78**
- D6197—For Chevrolet, Essex to '27, Olds, Star... **1.78**
- D6198—For Dodge, Studebaker, Cleveland, Rollin... **1.85**
- D6199—For Maxwell, Chrysler, Overland, Willys-Knight, Flint, Jr. **1.95**
- D6195—For Essex, 1927..... **1.95**

"Beauty Ball" Locking-Radiator Cap

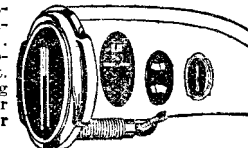
Built to sit low—closer to the radiator than the ordinary radiator cap. This adds greatly to its pleasing appearance. The balls on the end of the bars are of crystal with tints and colors blown in so that the balls look like beautiful agate. The cap itself is made of strong, heavy, rust-proof metal, brilliantly nickel-plated and polished. The locking device is so simple that a child can install this cap, yet when installed the cap is theft-proof. There are no hooks or screws to manipulate when filling the radiator.



- Price does not include motor-meter. Give Make, Year and Model of your car. Ship. wt., 2 lbs.
- B5288—For Ford, Chevrolet, Star, Overland.... **2.35**
- B5288E—For 1927 Essex..... **2.65**
- B5289—For any other car..... **2.95**

SAF-T-STAT
DASH TYPE MOTOR HEAT INDICATOR

The new accurate, theft-proof, day-or-night Radiator Heat Indicator. Warns you when your motor is becoming too hot. Mounts on the dash, leaving the Radiator cap free for some pleasing insignia or ornament.



- Operated by the battery, requires very little current. No working parts to get out of order—no exposed glass to break—never requires attention or care.
- Very easy to install—you can do it yourself in thirty minutes. Instructions furnished. Ship. wt., 2 lbs. In ordering specify make, year and model of car.
- K8214—Universal model, for any car equipped with a water pump, except Dodge..... **4.25**
- K8215—Universal model, for Ford and other cars not equipped with a water pump..... **4.25**
- K8212—Special 1926-27 Dodge, with 6-volt Batt.... **4.75**
- K8213—Special for Dodge, with 12-volt Battery... **4.75**
- K8211—Premier model, for all cars with 6-volt Battery..... **7.15**

"X" Radiator Liquid



Saves Repair Bills. Repairs and makes Leaky Radiators Leak-proof, Rust-proof, Scale-proof.

Contains no cement, powder shellac, glue, meal, or other injurious material. It is positive-ly not a cement to clog radiator pump or valves and ruin the cooling system. Prevents rust and scale. Is only process known that permanently repairs cracked water jackets without welding. When poured into the radiator, it automatically repairs all

leaks—tones up the entire cooling system of car—saves oil. **Manufacturer's Guarantee on Every Can.**

Absolutely guaranteed to permanently repair any ordinary leaks in radiator, water jacket, pump and connections. **Our Reduced Price**

- G6921—"X" Liquid, for Ford and other small cars (Ship. wt., 8 oz.) **.64**
- G6920—"X" Liquid, for larger cars (Ship. wt. 1 lb.) **.98**

Western Radiator Cement Instantly Stops All Ordinary Leaks

A liquid radiator cement that will instantly stop any ordinary leak in radiator, water jacket, pump and connections. Does not contain any injurious ingredients. Will not clog radiator circulation system—in fact, it tones up the entire cooling system, prevents rust and scale.



Not affected by weather or climatic conditions. Positively guaranteed or your money back. Full directions on every can. Shipping weight, 1 lb

- G6929— $\frac{1}{2}$ -pint can, each **.32**

Warner's Liquid Solder



This well-known radiator cement positively and permanently stops leaks in your car's cooling system. Easy to use—simply pour into your radiator. Absolutely harmless. Leaves no unsightly patches or weak places. A good thing to keep in the radiator at all times to prevent leaks from developing. Every can guaranteed. Ship. wt., 1 lb.

- G6928—Warner's Liquid Solder, per can **.65**

Radiator Cleaning Compound

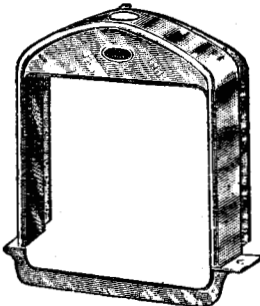


Cuts out rust, corrosion, and sediment. Increases the cooling powers of the radiator. Does not harm the radiator in any way. Used by most of the big bus line companies. Ship. wt. 1 lb.

- G6930—Radiator Cleaning Comp . . . **.45**

Nickel Plated Radiator Shell FOR FORD CARS

Beautify your car and bring it up to date with one of these beautiful nickel plated radiator shells. Same size and shape as regular shell, will fit right on in place of the old one, an ornament, not a disguise.



Made of 20-gauge cold rolled steel, finished in double nickel plate, which is very lustrous and durable so that the shell can be kept looking good all the time. (Ship. wt., 8 lbs.)

- X8943—Nickel Plated Radiator Shell, 1909-23 Ford. **2.25**
- X8944—Nickel Plated Radiator Shell, 1924-27 Ford. **2.35**

Ever-Tite Solid Rubber Hose Connections FOR FORD CARS



A super quality, pure rubber hose. Actual tests proved that this strong, tough, solid rubber lasted three or four times longer than other hose. It is impervious to antifreeze solutions and boiling water. It saves time, labor and money in replacing, requires no clamps, and is guaranteed absolutely for one year. Will fit all models Ford cars. Shipping weight, 5 oz.

- B5385—Small, for bottom, each **.15**
- B5386—Large, for top, each **.15**

Radiator Hose FOR FORDS AND CHEVROLETS

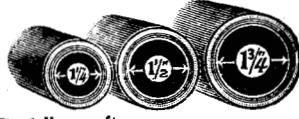


A standard quality radiator hose. Good live gray rubber. Made in proper sizes for all models Ford and Chevrolet cars listed below. Ship. wt., each, 4 oz.

- B5382—Small, for bottom. **.90**
- B5384—Large, for top, all model Ford cars. **.90**
- B5313—Lower Hose, 1 $\frac{1}{4}$ "x6", Chev. 1924-27. **1.95**
- B5312—Upper Hose, 1 $\frac{1}{4}$ "x8", Chev. 1924-27. **1.95**
- J7746—Shellac for Radiator Hose, 2 oz. bottle. **1.95**

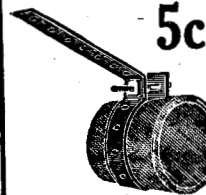
Radiator Hose for All Cars

A high-grade rubber and fabric hose for automobile radiator connections. Comes in 1, 2, or 3-foot lengths only. Sizes shown are inside diameter.



No.	Inches	Per Ft.	No.	Inches	Per Ft.
B5520	1	.21	B5524	2	.33
B5521	1 $\frac{1}{4}$.25	B5525	2 $\frac{1}{4}$.37
B5522	1 $\frac{1}{2}$.27	B5526	2 $\frac{1}{2}$.42
B5523	1 $\frac{3}{4}$.31			

Universal Hose Clamp



A strong, serviceable hose clamp with holes punched at short intervals, so it can be quickly adjusted to fit any size radiator hose from 1 to 3 inches. A handy article to carry in your tool box for use in case of emergency. Complete with bolt and nut. Ship. wt., 4 oz.

- B5380—Universal Hose Clamp. **5c**

Ideal Hose Clamp

The only perfect concentric hose clamp which will draw exactly the same all the way around hose without pinching at drawing side. Will not buckle or cut hose. Shipping wt., 4 oz.



- B5389—Adj. for hose 2 $\frac{1}{4}$ " to 3", each. **9c**
- B5390—Adj. for hose 1 $\frac{3}{8}$ " to 2 $\frac{3}{8}$ " (for top hose of Ford car), each. **8c**
- B5391—Adj. for hose 1 $\frac{1}{4}$ " to 2" (for bottom hose of Ford car), each. **7c**
- B5388—Adj. for hose 1" to 1 $\frac{1}{2}$ ", each. **6c**

Plain Radiator Caps

Metal caps covered with black hard rubber composition top. Heat proof, prevent burning fingers, and are attractive in appearance. (Ship wt., 8 oz.)



- B5352—Notched Pattern, ordinary grade, for Ford. **.14**
- B5355—Round Pattern, extra high quality, Ford. **.28**
- B5354—Round Pattern, for Chevrolet 490 and Superior, Star, Essex 6 and Olds 6 Model 30. **.48**

Improved Honeycomb Radiators for Ford

\$7.95

Greater Cooling Capacity Core Guaranteed 18 Months Against Breakage From Freezing

Our Improved Honeycomb Radiator offers many special advantages over the regular type Ford radiator. Chief among these is the "honey-comb" core, which has a much greater water capacity and also presents a greater cooling area, so that a car with this radiator will run cooler and not require refilling so often. The flexible core will stand more expansion so that we guarantee the core 18 months against damage from freezing.

Improved Scientific Construction Only the Best Material Used

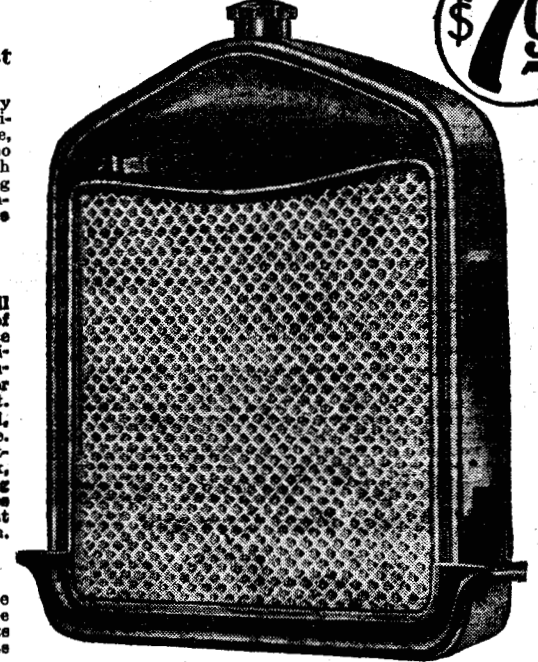
These radiators are exceptionally well made. All parts coming in contact with the water are made of brass. Both upper and lower tanks are of one-piece brass construction, without seams, practically eliminating all possibility of leakage. The core is genuine brass, also the overflow pipe and the filler neck, so the cap couldn't possibly rust and stick fast.

The radiator has been scientifically constructed, so as to take all stress and strain off the core. The spring cradle supports under the entire bottom are soldered and bolted to the bottom tank, taking side strain off the radiator and permitting a resilient spring action. The spring side frames connecting upper and lower tanks are independent of the core and relieve it of all shock and strain. Even the hood rod holder has been reinforced.

Improves Appearance of Car

The graceful lines and attractive finish of these radiators make them an ornament to any car. The strong steel shell is finished with two heavy coats of black enamel. Comes complete with cap, as illustrated.

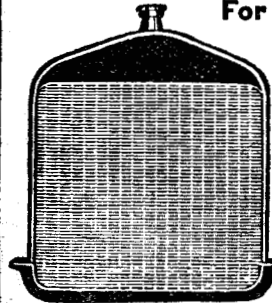
Every radiator is carefully tested before leaving the factory. Comes securely packed in strong wood crate. Replaces regular Ford radiator—easy to install. Shipping weight, about 45 lbs. **Cannot be sent by mail.** In ordering be sure to give year of car.



- X8554—For 1917-23 Ford, without shell **7.95**
- X8555—For 1917-23 Ford, with black enamel shell. **8.65**
- X8569—For 1924-27 Ford, without shell **8.45**
- X8558—For 1924-27 Ford, with black enamel shell. **9.15**

Superior Tubular Radiator For Ford Cars

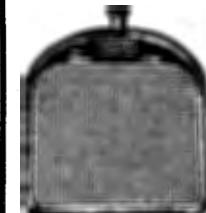
\$875



For those who prefer the regular tubular style of radiator, we offer this well-made, high-grade radiator at a worth-while saving. Made of the best material by one of the largest radiator manufacturers in the country. Carefully inspected and tested and fully guaranteed. Furnished either with black enamel shell or without any shell. Ship. wt., 50 lbs. **Can not be sent by mail.**

- X8540—For 1917-23 Ford, without shell. **8.75**
- X8544—For 1917-23 Ford, with shell. **9.45**
- X8542—For 1924-27 Ford, without shell. **9.35**
- X8545—For 1924-27 Ford, with shell. **9.95**

Honeycomb Radiators for Chevrolet and Dodge Cars.



Has 2 $\frac{1}{4}$ inch thick, all brass core. All parts which come in contact with water are made of brass, including the one-piece top and bottom tanks which have no seams and are leak-proof. Core is finished in high grade gray enamel. Furnished without shell or with heavy steel shell finished in two coats of lustrous black enamel baked on. Comes well packed in substantial wooden box. Shipped from nearest store or from our warehouse in the nearest one of the following cities, Chicago, Philadelphia, Atlanta, Dallas, Kansas City, St. Paul. Avg. ship. wt. 50 lbs. **Not Mailable.**

For Chevrolet

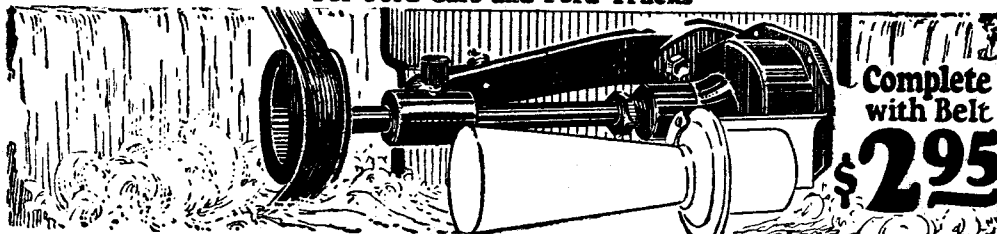
- X8922—1918-22 Pump Type, without shell **11.45**
- X8923—1918-22 " " with shell. **13.85**
- X8924—1923-24 Superior, without shell. **11.95**
- X8941—1925, Model K, without shell. **11.95**
- X8949—1926, Model V, without shell. **11.95**
- X8950—1927 (Model AA) without shell. **13.95**

For Dodge

- X8928—1917-22 without shell **14.85**
- X8929—1917-22 with shell **16.35**
- X8930—1923 without shell **14.85**
- X8931—1923 with shell **16.35**
- X8942—1924-27 without shell **14.85**

Western Special Water Circulators

For Ford Cars and Ford Trucks



Complete with Belt
\$2.95

By keeping the water constantly in rapid circulation over the hot motor, a Western Special Circulator on your car will prevent freezing as well as a steaming, overheated, wasteful motor, under conditions that would ruin the motor without it. Winter and Summer, it will keep your motor at the right temperature.

Don't abuse your motor by letting it get overheated and steam and boil, for it is sure to cause trouble with the bearings and cylinders that will cost you several dollars to repair. We guarantee that a Western Special Circulator will give perfect satisfaction in every way.

Install a Western Special Water Circulator on your car and see the wonderful improvement it will make in the running of your motor.

Not only does overheating ruin a motor but it wastes oil, loses power, and causes carbon knocks. By installing a Western Special circulator you make a double savings. You save your motor and your radiator, you save fuel and oil.

In selecting a circulator for your car there are 4 very important points to remember. The bearings, the pack-

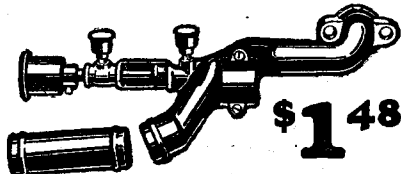
ing nut, the drive pulley and the method of installation. If the bearings are poor, the packing nut leaky, and the fan belt comes off the pulley, the circulator wears out quickly and leaks. The Western Special was designed to overcome these conditions. It has 2 extra long bearings of the finest Bronzes. The packing nut is the new improved, internal type which we guarantee to be superior to any other type packing nut. The Fan Pulley is double flanged so that the drive is positive and the belt cannot fly off. Very easy to install as it does not require sawing the intake pipe in two.

The Western Special circulator is superior to pumps that others ask from \$5.00 to \$7.50 for, but our direct-from-factory-to-car-owner system of distribution enables us to offer it to you at a remarkably low price.

Comes complete with Fan Belt ready to install.
Ship. wt., 8 lbs. **Our Reduced Price**
B5377—For any model Ford car (State year of car) **2.95**
B5373—Extra Belt (State year of car) **.38**
B5369—Metallic pump packing, 1/2" hole, (Wt. 2 oz.) 1 piece..... **.15**

"Faithful" Water Circulator

For All Model Ford Cars and Ford Trucks



\$1.48

Don't put off another day reaping the benefits you receive from a water circulator on your Ford car. Saves the motor and radiator, saves gasoline and oil, prevents delay and repair bills.

Improved methods of manufacture and extensive research into the needs of the average Ford car have enabled us to offer you, in the "Faithful", a water circulator that will give you excellent service under all ordinary conditions, at a very low price.

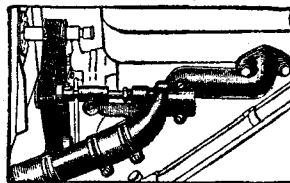
The "Faithful" has a strong shaft with two bearings (the main one is BRONZE) and two grease cups. The impeller is of the marine type and pumps all the water that the radiator will handle under ordinary driving conditions. The drive pulley is flanged to prevent the belt from flying off. The pack nut is of the internal type and is far more leak-proof and easier to reack than any other type.

Installation of this circulator is very simple—it can be put on by anyone in a half hour. Just throw away the old outlet pipe and install the "Faithful" in its place. Uses the regular Ford fan belt. Ship. wt., 6 lbs.

K8125—"Faithful" Circulator, all model Fords..... **1.48**

96c Water Circulator

For All Fords



With a good circulator offered at such a low price no Ford car should be without one. This circulator will give you good service for a long time and will keep your motor cool where it used to boil. Well made of good materials. Neat in appearance. Installation requires sawing the outlet pipe in two. Uses regular fan belt. Ship. wt., 5 lbs.

K8124—Circulator..... **.98**

Western Giant Water Circulators For Ford Cars and Ford Trucks

An overheated motor means delay, loss of power, carbon accumulation, knocks, excessive wear, and even burned out bearings. The "Western Giant" will keep the temperature of your motor right, winter and summer, year after year for swift, smooth, economical driving.

The Western Giant Water Circulator for Ford cars has no superior and very few equals for pumping ability, freedom from attention, long life, and ease of installation. With a "Western Giant" on your Ford car you need never give your cooling system any attention.

Yet our direct-from-factory-to-car-owner system of distribution enables us to offer it to you at a price that will save you more than 50% on prices asked for circulators that are far inferior.

It is made of the very best materials. The water propeller is extra large, the drive shaft is 1/2" in diameter. It has 3 extra long heavy bronze bearings instead of one plain iron bearing as found in cheaper pumps. The packing nut is the improved internal type which seldom needs repacking and is very easy to pack. The drive pulley is flanged preventing the belt from flying off. The whole circulator is strongly built for years of service. It is beautifully finished.

Very easy to install—does not require cutting the intake pipe.



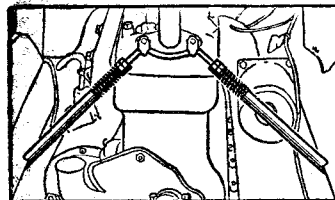
\$3.95

Comes complete with belt ready to put on your car. Ship. wt., 9 lbs.

B5372—For any model Ford car (State year of car) **3.95**
B5373—Extra Belt for Circulator (State year of car) **.38**
B5370—Metallic pump packing, 3/8" hole, (Wt. 2 oz.) 1 piece..... **.15**

Stop Wasteful Vibration! Save Gas, Save Your Car, Add Power

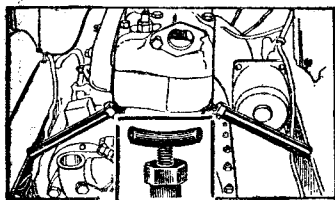
Little Giant Anti-Vibrator FOR FORDS



If you have noticed vibration in your car you should install all Anti-Vibrators at once. They will save their cost in a short time by saving gas, adding power, and preventing excessive wear on pistons, cyl. walls, bearings, etc. Consists of 2 braces of strong steel tubing, notched to fit securely to frame of car; and a steel cradle that pushes up against the outlet water connection and is held firmly in place by 2 steel springs with adjusting nuts. Two steel brackets on water connection make a seat for cradle. Just put the Anti-Vibrator on as shown in illustration and (with motor running) tighten adjusting nuts until all vibration ceases. The springs take care of all unusual strains, prevent damage to motor, and keep Anti-Vibrators from interfering in any way with "3-point suspension." Ship. wt., 4 lbs.

A5065—Little Giant Anti-Vibrators for all Ford Cars and Trucks..... **.98**

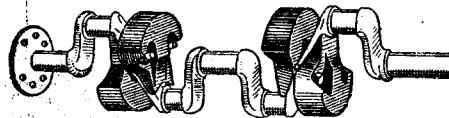
Motor Anti-Vibrators for Ford Cars



Consists of 2 tubes of heavy steel cut 7 1/2 inches long cut at one end to hold firmly on the frame of the car and 2 threaded Y's with adjusting nuts. Installed as shown in illustration. Simply tighten the adjusting nuts on the Y's until vibration in the motor ceases. Simple and sturdy in action. Nothing to wear out or get out of order.

A5083—Anti-Vibrators, set complete (Ship. wt., 3 lbs.)... **.58**

Dunn Counterbalances



The increase in power and speed gained by using counterbalances has been thoroughly proven. You can hardly believe it is the same car, it runs so smooth, quiet and without vibration, even on hard pulls or at high speed. The principle is correct.

Dunn counterbalances can be put on by anyone without taking down the motor, by simply removing the crank case lower cover. They attach rigidly and permanently. No danger of coming loose. Complete instructions with each set. We will refund your money if not satisfied with them after ten days' trial. Ship. wt. 18 lbs. **Our Reduced Price**
J7770—Set complete for Ford cars..... **4.10**
J7771—Set for Chevrolet "490" and Superior... **4.25**
J7772—Set for Dodge..... **5.95**
J7773—Set for Overland 4, 1920-25..... **4.95**
J7774—Set for Chevrolet Model K, 1925..... **4.25**

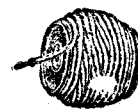
Asbestos Wick Packing

Selected asbestos fiber, spun into strands; can be separated and made into any form or shape for packing small valve stems, exhaust and water pipes, etc. Ship. wt., 8 oz.
J7628—1/4-lb. Ball..... **.22**
J7628F—Wick Packing, per foot..... **5c**
J7626—1/4-lb. spool Graphited Packing, 1/8 inch in diameter for water pumps, etc.... **.39**
J7626F—Graphited Packing, per foot..... **5c**



Asbestos Yarn

Pure asbestos yarn. Used especially for packing spark plug porcelains. Ship. wt., 2 oz.
J7627F—Per Foot..... **1c**
J7627—Per Spool..... **.19**



Giant Anti-Vibrator FOR FORDS AND CHEVROLETS



About 16% of the cost of running your car is wasted in harmful vibration—sending your good car to the junk heap too soon. You can prevent most of this destruction by installing a Giant Anti-Vibrator—as well as save many repair bills and enjoy a smoother, more quiet and powerful motor.

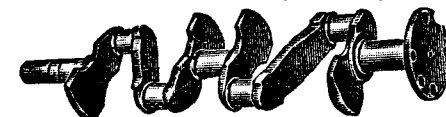
Consists of an iron yoke that rests against the motor head where the vibration is the greatest. The yoke is forced up and in against the motor head by two strong steel struts that reach from the frame of the car to the yoke. These struts rest on strong springs, which are fixed inside the yoke. They are threaded so that a fine degree of adjustment is made.

Installation is very simple—done in 15 minutes. Does not interfere in any way with the operation of the car or the benefits of the 3-point suspension principle. Shipping weight, 6 lbs.

W8292—For all model Fords. Illustrated..... **2.35**

W8293—For Models V and AA Chevrolets (not illustrated), looks like illustration above but has an entirely new water outlet connection. (Ship. wt., 13 lbs.)..... **3.95**

Counterbalanced Crank Shaft

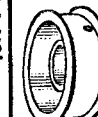


Your 4-cylinder car will run as smoothly as a 6 after installation of our Counterbalanced Crank Shaft. Not new—not an experiment—a thoroughly proven product, most high-priced cars have them.

Made of one solid forging of highest grade alloy steel. Simply replaces the old worn shaft. Bearings polished and accurate. Guaranteed for the life of the car. Ship. wt., 20 lbs.

W8385—Counterbalanced Crank Shaft, Ford..... **11.95**

Flanged Fan Pulley FOR 1920-27 FORD CARS



Simply replaces the plain crankshaft pulley and keeps the fan belt from slipping off of either pulley. Lengthens life of fan belt. Especially fine for use with water circulator. Made of steel, accurately machined. Easily and quickly installed. (Ship. wt., 12 oz.)

B5367—Double-flanged pulley for 1920-27 Fords..... **.45**

Sta-Rite Pulley Rim

FOR 1920-27 FORD CARS

A specially designed metal rim with flanges, which clamps on the regular Ford fan pulley, and prevents the fan belt from slipping off. Also holds the crank pin tight without using a cotter-pin. Easily installed—only a screw-driver needed. Ship. wt., 8 oz. Regular price, 60c.



B5368—Sta-Rite Rim for Fan Pulley..... **.35**

"Western" Cord Fan Belts

Guaranteed to Give Long Life and Satisfactory Service.



Our "Western" Cord fan belt is made to stand up under hard service. As shown in the illustration, it is made of five plies of strong fabric (same

quality as is used in the best grade tires), scientifically treated to make them oil, heat and water-proof, then put together and carefully Vulcanized into a solid, endless belt. In ordering, be sure to give year and model of car. Ship. wt., 1 lb.

WHY PAY MORE THAN OUR PRICE?

Our Reduced Price

B5338—For Ford, 1911-16	.24
B5339—For Ford, 1917-20	.24
B5340—For Ford, 1921-25	.24
B5337—For Ford, 1926-27	.28
B5528—Buick, 4-cyl., 1921-24; 6-cyl., 1921-24; 1925-26 Master 6	.45
B5417—Buick, 1925-26, Standard 6	.46
B5544—Chevrolet, 490, Sup., and K.	.58
B5545A—Chevrolet, Models V and AA	.76
B5418—Chrysler, 1924-26, 6-cyl.	1.10
B5506—Chrysler 4, fan and waterpump; Winton, '22-24	.85
B5504—Cleveland, '19-24; Flint 55, '24-25; small pulley	1.28
B5500—Cleveland, 1925-26; Oldsmobile 4, '22-23	1.28
B5539—Dodge, 1917-21, Chandler, 1910-21; Willys-Knight, 1916-19	.46
B5509—Dodge, 1922-26	.46
B5539—Dort, 1921-23, 4-cyl.	.46
B5538—Dort, 1923-24, 6-cyl.	.88
B5508—Durant, 1922-23, 6-cyl.; Jordan, 1922-25	1.28
B5507—Durant, 1922-26, 4-cyl.; Elcar, 1925-26	.88
B5529—Essex, 1919-23	.62
B5510—Essex, 1924-26, Willys-Knight, 1920-21	.58
B5541—Essex, 1927	.58
B5496—Flint 55, '24-27, large pulley; and ES0, '26-27	1.55
B5500—Flint, B60, 26-27	1.28
B5509—Gray, 1922-26	.46
B5510—Hudson, 1916-26	.58



KABLE-KORD FAN BELTS FOR FORDS

This belt is made of highest quality, genuine cord tire fabric, and not the cheap hose fabric from which many so-called cord belts are made. In addition to this, it has as a special feature, five endless cords, which are actually built into the belt. This gives it the ability to "give" under stress and then come back to its normal position. It is this flexibility which makes it outwear from five to ten of the ordinary fabric or cord fan belts. Costs more at first, but is by far the cheapest belt in the long run. Absolutely guaranteed to give satisfactory service or we will refund your money. Ship. wt., 8 oz.

B5334—For 1917-20 Fords	.42
B5335—For 1921-25 Fords	.42
B5336—For 1926-27 Fords	.45

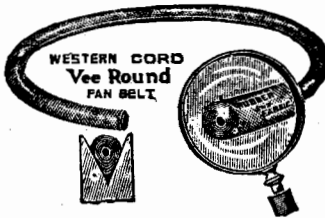
Extra Quality Leather Fan Belts FOR FORD CARS AND FORDSON

ONLY 25c



Equal in quality to belts which others retail at 50c or more. This is the endless type, with splice securely stitched and cemented, guaranteed not to open up. Ship. wt., 8 oz.

B5330—Endless for 1916 or older Fords	.30
B5331—Endless for 1917-20 Fords	.30
B5332—Endless for 1921-25 Fords	.30
B5333—Endless for 1926-27 Fords	.30



WESTERN CORD Vee Round FAN BELT

An improved fan belt for replacing ordinary Vee-type belts. When passing over pulley, our Vee-Round belt wedges itself into the groove as shown in illustration, making the drive surer. No slipping, no lost motion. Made from heavy tire fabric, scientifically treated and vulcanized into an endless stretchless belt. Ship. wt., 1 lb.

Our Reduced Price

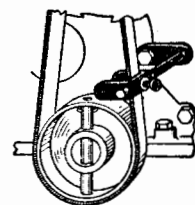
B5546—Hupmobile 4 and 6, 1917-25	.65
B5515—Hupmobile 6, 1926-27	.88
B5504—Hupmobile 8, 1925-27	1.28
B5509—Jewett, 1922-24	.46
B5539—Jewett, 1925-26	.46
B5500—Jewett, 6-40, 1926-27	1.28
B5543—Maxwell, 1920-21 above 271591	.78
B5506—Maxwell, 1922-25	.85
B5539—Nash, 1917-18; Models 671; 1924-25 Special 6	.46
B5505—Nash, 1918-26; Amerson, 1923-24	1.28
B5527—Nash Light 6, 1926-27	.78
B5547—Oakland, 1918-23; Oldsmobile 6, 1918-20	.78
B5527—Oakland, 1924-27	.78
B5540—Oldsmobile 6, 1924-27; Haynes, 1923-24	.78
B5539—Overland, 1916, Model 84; 1916-19, Model 75-75B, 90R and 90T	.46
B5530—Overland, 1916-18, Models 83B, 83BOE, 85, 4-cyl.; 1918-19, Model 90B and 1920-27 4-cyl.	.46
B5416—Overland, 1923-25, Model 91 and 92T; Dixie Flyer, 1919-25	.46
B5544—Overland 6, 1925-26, Model 93	.58
B5515—Pontiac, 1926-27	.88
B5535—Star, 1922-26, 4-cyl.	.42
B5512—Studebaker, Light 6; 1920-23 Standard 6 1924-26	.38
B5530—Studebaker, 1919-21, Big 6 and Special 6	.46
B5532—Studebaker, 1925-26, Big 6 and Special 6	.65
B5515—Whippet 4, 1926-27	.88

FAN BELT GUIDE 12c FOR ALL MODEL FORDS

This Fan Belt Guide will absolutely prevent the belt from slipping off the pulley. Bracket attaches to the front cylinder cover by the regular stud bolt. The guide itself can be adjusted and set at any point along the bracket.

The low cost of this article makes it indispensable to every Ford car. Include one of these guides in your next order. Fits all models. Ship. wt., 4 oz.

B5241—Fan Belt Guide	.12
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"Never-Slip" Fabric Fan Belts FOR FORD CARS

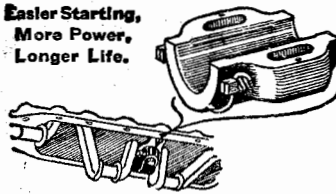


Made of heavy cotton fabric, treated to prevent slipping and to protect it from the oil and heat. It is woven by a special process, which prevents it from coming apart and allows it to wear down to the last layer of fabric. Belts of this type are widely used as standard equipment on tractors and trucks, on which a belt is subjected to very hard wear and excessive heat and oil. Ship. wt., 8 oz.

B5348—For 1917 to 1920 Ford cars	.35
B5349—For 1921 to 1925 Ford cars	.35
B5353—For 1926-27 Fords	.38

ADJUSTABLE MAIN BEARING CAP FOR FORDS

Easier Starting, More Power, Longer Life.



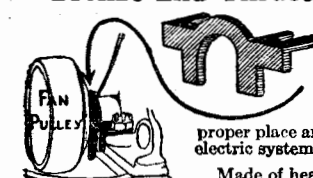
When a Ford car is a year or so old, end play develops in the crankshaft due to wear on the bearings and lets the magnets in the transmission get too far from the field coils, causing weak spark, poor lights and electrical troubles, wasting gas and losing power and "pep".

Our bearing replaces the center main bearing (very easy to get at) and allows you to adjust the electrical output to the maximum current. Gives your car new life, new pep, more power, greater economy, easy starting. If further wear develops just take up the bearing a trifle more.

Made of purest bronze, lined with highest quality bearing metal. Very simple and easy to install. Will outlast the car, never giving one minute's trouble. Very heavy and strong. Set screws have special locking wire. Don't put up with hard starting; don't let electrical trouble ruin your car and spoil your pleasure when \$1.68 will remedy it permanently. Order one for your car now. Absolutely guaranteed "Satisfaction or Money Back."

K8044—Adjustable Bearing Cap, complete with instructions (Ship. wt., 1 lb.)	1.68
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Bronze End Thrust Take-Up

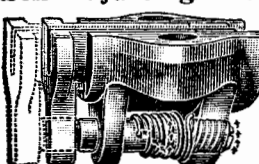


This tough bronze bearing takes up the wear due to end thrust, brings the fly wheel and magnets back to their proper place and tones up the whole electric system.

Made of heavy hardened genuine bronze. It fits behind the lower fan belt pulley and rests against the crank case. Held in place by the regular crank case bolts as shown in the illustration. Very easy to install, only a screw driver and a wrench needed. Full instructions furnished.

B5261—Bronze End-Thrust Bearing (Ship. wt., 8 oz.)	.55
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Self-Adjusting End Thrust Take-Up



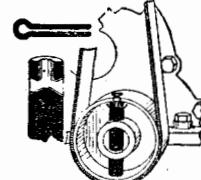
The best end thrust take-up that we have ever seen. Replaces the center main bearing cap. Consists of a sturdy cast metal cap, with a sliding bearing, and a plunger controlled by a coiled spring. As wear takes place the coiled spring

causes the plunger to push the sliding bearing forward thus keeping the magnets and field coils at exactly the right clearance for greatest power and easy starting. The workmanship and materials are the very best. Easy to install. Will last as long as your car.

J7894—Self-Adjusting Take-Up Bearing. (Ship. wt., 1 lb.)	2.65
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Ever-Tight Crank Shaft Pin

For All Ford Cars



You will appreciate the Ever-Tight because of the ease and speed with which it is installed. Just slip the Ever-Tight pin into place and drive the cotter (furnished with the pin) from the outside down through the end of the pin. The cotter spreads itself and prevents all rattle and wear. Pin can never come loose and fly out.

Saves money, time, and trouble. Comes ready to install. Ship. wt., 4 oz.	
B5308—For 1909-20 Fords (2 3/4" long)	.12
B5309—For 1921-26 Fords (3" long)	.12

End Thrust Bearings

EASIER STARTING FOR FORD CARS



When end play in the crankshaft develops the amount of current given by the magnets decreases. This makes hard starting and irregular firing. Our end thrust bearing remedies these troubles

by replacing the old fan pulley with a new one which runs against a ball bearing thrust plate. Adjustable to allow for wear. Easily installed. Improves the whole electrical system. Ship. wt., 1 lb.

D6264—Complete for 1909-20 Fords (small pulley)	1.85
D6265—Complete for 1920-26 Fords (large pulley)	1.95

C-A Adjustable Bearing Cap

This patented adjustable center bearing cap will end all troubles due to crankshaft end-play. It is so constructed that the bearing itself is adjusted, the cap remaining stationary and firm at all times. Adjustment is made by turning a single screw. Even the most inexperienced person can install a C-A cap and get proper adjustment. Made of the finest bronze—bearing is of nickel babbitt. Satisfaction guaranteed.

K8129—C-A Bearing Cap. (Shipping wt. 1 lb.)	1.95
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"JIFFY" CRANK RATCHET PIN FOR ALL FORD CARS



One of the most tedious of the little repair jobs about the Ford car is replacing the crank ratchet pin when it breaks.

Our Jiffy Crank Ratchet Pin makes a 5-minute job of it. "Jiffy" slips right into place and the spring steel clamp holds it there. Pin slips in as easily as you would stick a pin through this paper. Never comes loose. Have a "Jiffy" in your tool box and

save the labor and dirt. Our Reduced Price B5300—Ratchet Pin, each (Ship. wt., 4 oz.)	.10
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Belt Couplings

B5558—Coupling with rivets for 3/4" and 7/8" flat belting, set	.10
B5558A—Coupling with rivets for 1" and 1 1/4" flat belting, set	.10
B5559—Wire Hooks for Round Leather Belting, Dozen. (Ship. wt., 2 oz.)	.10

Fan Belting of all Kinds in Bulk


High Quality Oak Tanned Beltings. From This Belting You Can Make Any Belt You Need

FLAT BELT	V BELT	LAMINATED V-BELT	ROUND BELT
(Ship. wt. per ft. 8 oz.) B5548—3/4" wide, per ft. 1.10 B5549—7/8" wide, per ft. 1.12 B5550—1" wide, per ft. 1.14 B5551—1 1/4" w., per ft. 1.16	(Ship. wt., per ft. 8 oz.) Width given is width at top B5554—3/4" wide, per ft. 2.04 B5555—7/8" wide, per ft. 2.06	(Ship. wt., per ft. 1 lb.) Width given is width at top B5556—3/4" wide, per ft. 2.4 B5557—7/8" wide, per ft. 2.8	(Ship. wt., per ft. 8 oz.) Size given is diameter B5552—3-16" per ft. 1.15 B5553—3/8" per ft. 1.15

Stop the Rattles

After a car has been run for a while, it begins to rattle in a great many places. Anti-Rattling Devices have been produced to silence the various parts by taking up the wear. Put on a few of the Anti-Rattlers shown on these pages, and notice the big difference they will make.

Brake Rod Springs



Fit in the brake rod clevis and clamp around the rods, stopping the annoying rattle of loose clevis ends. Come four in a set, one for each end of each rod. Ship. wt. 8 oz. **Our Reduced Price**
B5249—Brake Rod Springs, set of 4 .20

Throttle Rod Springs



Specially prepared steel springs which are easily snapped in place and prevent the rattle of spark and throttle rods on steering post. Shipping weight, 4 oz.
B5247—Throttle Rod Springs, pair .27

Complete Set Anti-Rattlers for Fords.

STOPS 9 DIFFERENT RATTLES

A complete set of anti-rattlers shown above and the two shown at right. Stops rattles and vibration; saves bushing replacements. All used cars need them—installed on new cars, the rattle never starts. Ship. wt., 8 oz. **Our Reduced Price**
B5253—Set of 9 Anti-rattlers .79

Brake Handle Anti-Rattler



A specially designed steel spring which slips around emergency brake handle to prevent rattling. Can be used to replace regular flat spring if the latter is broken. Prevents lever from slipping. Shipping weight, 4 oz.
B5250—Brake Handle Anti-Rattler, each .12

Door Anti-Rattlers

For Open Cars

Can be put on by anyone in a short time with a screw driver and two screws. Will stop the rattle and last as long as the car. Will fit practically any car except those with all metal door frames, on most cars near the latch, but on some cars next to the hinge. Shipping weight about 2 oz. **Our Reduced Price**
B5304—Each .10
 Per pair .18
For Cars With METAL BODIES See Page 85.

Fender Anti-Rattlers

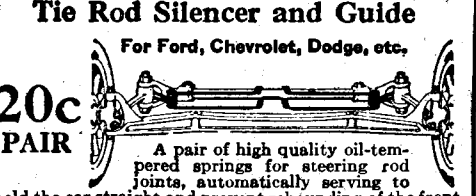
Will fit any make of car.



These Anti-Rattlers are strong pressed steel brackets made to fit in the corners where the fenders rattle against the metal shield, and are attached firmly with bolts furnished. You need two for each front fender and one for each rear. Shipping weight, set of 6, 8 oz.
B5276—Fender Anti-rattler, each, with 4 bolts .5c

Tie Rod Silencer and Guide

For Ford, Chevrolet, Dodge, etc.



20c PAIR

A pair of high quality oil-tempered springs for steering rod joints, automatically serving to hold the car straight and prevent rebounding of the front wheels when you strike a bump or hole in the road. Stops all rattling and vibration of the steering rods and saves having to renew the spindle arm bushings and bolts. Ship. wt., 8 oz. **Our Reduced Price**
B5252—Tie Rod Silencers, pair .20
For Shimmy Stopping Devices See Page 49

Steering Arm Anti-Rattler

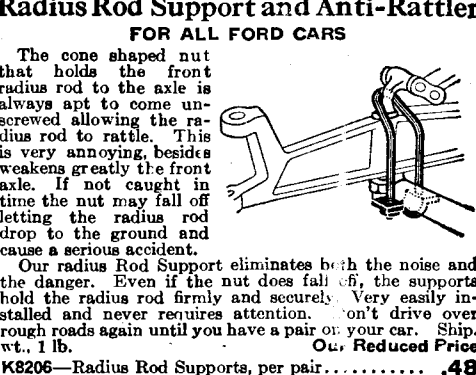
For Ford Cars



A very cleverly made little spring device that fits over the ball joint of the steering gear ball-arm and clamps around steering gear connecting rod. Effectually stops all rattling at this joint and lessens the wear. Ship. wt., 8 oz.
B5246—Steering Arm Anti-rattler, each .20

Radius Rod Support and Anti-Rattler

FOR ALL FORD CARS



The cone shaped nut that holds the front radius rod to the axle is always apt to come unscrewed allowing the radius rod to rattle. This is very annoying, besides weakens greatly the front axle. If not caught in time the nut may fall off letting the radius rod drop to the ground and cause a serious accident. Our radius Rod Support eliminates both the noise and the danger. Even if the nut does fall off, the supports hold the radius rod firmly and securely. Very easily installed and never requires attention. Don't drive over rough roads again until you have a pair or your car. Ship. wt., 1 lb. **Our Reduced Price**
K8206—Radius Rod Supports, per pair .48

Door Anti-Rattler

For 1919-25 Ford Closed Cars



The doors of a Ford sedan or coupe wear down the little rubber bumpers and begin to rattle and thump. Here is a device that overcomes this trouble. As the rubber wears, the springs push forward so it will still hold the door tight. Comes complete. Proper size to fit snugly in place of regular metal socket. Easily installed; all you need is a screwdriver. Will last indefinitely. Ship. wt., 4 oz.
C5903—For 1919-25 Ford Closed Cars .29

Anti-Rattling Ball Sockets for Ford Radius Rods



Replaces the solid cap that holds the front radius rod up against the trunk case and absolutely eliminates all rattling, takes up all wear and holds the joint firmly. It requires only a few minutes' time to remove the old cap and replace with our device, which will never wear out having an adjustment which can be tightened if spring ever becomes loose. Ship. wt., 8 oz.
B5259—Radius Rod Anti-rattler, each .24

Steering Rod Anti-Rattler

24c Per Pair



Made similar to the one shown above, but smaller. Replaces solid cap on ends of steering gear connecting rod. Eliminates lost motion, absorbs shocks and vibration from wheels; makes steering easier and is a necessity on every Ford. Ship. wt., 8 oz.
B5256—Steering Rod Anti-rattlers, Pair .24

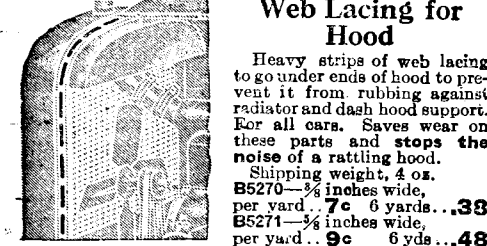
Rubber Hood—Pad Buttons

To Replace Web Lacing on All Cars. Stop Squeaks and Rattles—Outwear Lacing




Just take out the old hard lacing on the radiator and sowl, that the hood rests on, and snap these rubber buttons into the holes. They are made of soft rubber and have vacuum cups so that all squeaks and rattles in the hood are instantly stopped. They will out-wear lacing and will keep the hood silent throughout their long life. Ship. wt., per doz., 8 oz.
B5317—Buttons for 5/8" round or 1/2" oblong holes, per doz. .22
B5318—Buttons for 1/2" round or 1/4" oblong holes, per doz. .22
B5319—Buttons for 3/8" round or 1/2" ob. holes, doz .22

Web Lacing for Hood



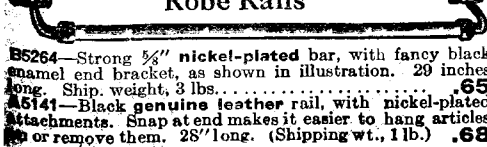
Heavy strips of web lacing to go under ends of hood to prevent it from rubbing against radiator and dash hood support. For all cars. Saves wear on these parts and stops the noise of a rattling hood. Shipping weight, 4 oz.
B5270—3/4 inches wide, per yard .7c 6 yards .38
B5271—1/2 inches wide, per yard .9c 6 yds .48

Hand Brake Handle Anti-Rattler



This anti-rattler is a coiled spring, which hooks around the controller shaft, and over the brake lever pawl, so that a constant pull is exerted downward. This keeps the handle from rattling and causes the pawl to always be engaged in the controller quadrant so that when you pull back on the brake it engages instantly and stays, but is very easy to release.
A5146—Anti-rattler (Ship. wt., 4 oz.) each .10

Roobe Rails



B5264—Strong 1/2" nickel-plated bar, with fancy black enamel end bracket, as shown in illustration. 29 inches long. Ship. weight, 3 lbs. .65
A5141—Black genuine leather rail, with nickel-plated attachments. Snap at end makes it easier to hang articles on or remove them. 28" long. (Shipping wt., 1 lb.) .68

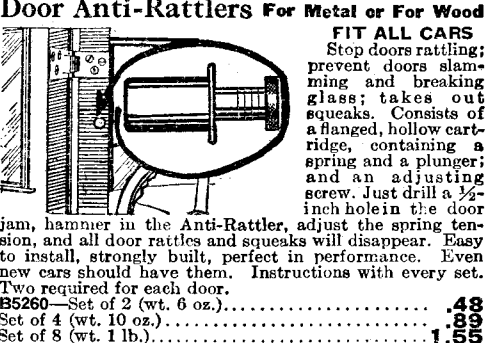
Handy Handles FOR FORD DOORS



A solid casting, finished in black enamel. They are attached by simply driving over present door handles. Anyone can put them on in a few minutes. Project a little way above the door and permit the door being opened without the usual fumbling to find the catch. With a slight pressure on the Handy Handle, the door opens easily. Ship. wt., each, 2 oz. **Our Reduced Price**
B5311—Handy Handles, each .9c
B5262—Handle Knobs for Ford closed cars to replace lost knobs. .18

Door Anti-Rattlers For Metal or For Wood

Fit ALL CARS



Stop doors rattling; prevent doors slamming and breaking glass; takes out squeaks. Consists of a flanged, hollow cartridge, containing a spring and a plunger; and an adjusting screw. Just drill a 1/2-inch hole in the door jam, hammer in the Anti-Rattler, adjust the spring tension, and all door rattles and squeaks will disappear. Easy to install, strongly built, perfect in performance. Even new cars should have them. Instructions with every set. Two required for each door.
B5260—Set of 2 (wt. 6 oz.) .48
Set of 4 (wt. 10 oz.) .89
Set of 8 (wt. 1 lb.) 1.55

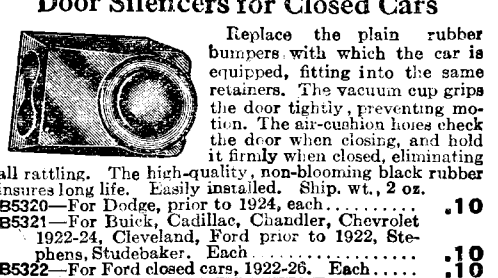
Hood Silencers

FOR FORD CARS



End the annoyance of rattling hoods. Made of rubber. They just slip around the regular hood clips and pad the hooks that press down on the hood. Will last a long time—practically no wear-out to them. Easily installed; just slip into place. No possible chance for rattle. Ship. wt., set of 4, 12 oz.
K8237—Hood Silencers for Ford, each .10
 Set of 4 .38


Door Silencers for Closed Cars



Replace the plain rubber bumpers with which the car is equipped, fitting into the same retainers. The vacuum cup grips the door tightly, preventing motion. The air-cushion holes check the door when closing, and hold it firmly when closed, eliminating all rattling. The high-quality, non-blooming black rubber insures long life. Easily installed. Ship. wt., 2 oz.
B5320—For Dodge, prior to 1924, each .10
B5321—For Buick, Cadillac, Chandler, Chevrolet 1922-24, Cleveland, Ford prior to 1922, Stephens, Studebaker. Each .10
B5322—For Ford closed cars, 1922-26. Each .10

Fender Fixer

FOR FORDS AND OTHER LIGHT CARS



Just the thing for repairing broken or weak fenders on Fords or other light cars. Made of 20 gauge steel stamped to fit. Can be put on by anyone in a few minutes and makes the fender stronger than ever. If your fenders are beginning to break better put one on now and save buying a new fender later. (Shipping weight, 4 oz.)
B5315—Fender Fixers, each .10

STOP YOUR FORD WITHOUT JERKING OR SHAKING

INSTALL External Service Brakes \$4.65 SET

If your brakes grab and chatter when you stop your car, or if your brake bands wear out quickly, it is time to install our external brakes.

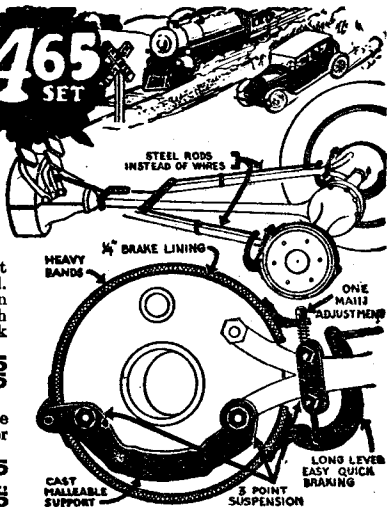
Think of the strain on the axles, bearings, gears and keys, universal joint and transmission when you stop your car suddenly. Our external brakes absorb this by acting directly on the brake drums. The savings in wear and tear on tires, car and transmission will soon pay for the brakes. Our brakes are firm, steady, and positive in action; they fit nicely; they release without drag; they operate from the foot brake pedal. So well built of the best materials they will outlast your car. You can install these brakes yourself by following the instructions furnished with every set. No cutting, machine work, or special tools necessary. Don't risk accidents due to faulty brakes—order a set today.

- W8377—For 1909-25 Ford using reg. brake drums, (Ship. wt. 12 lbs.) **4.65**
- W8376—For 1926-27 Ford, (Ship. wt. 18 lbs.) **7.65**

SPECIAL 10 in. DRUMS

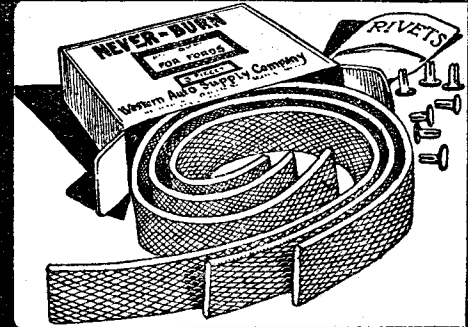
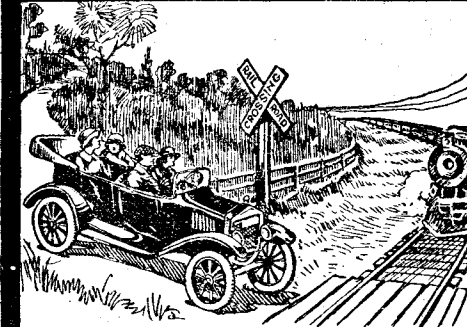
Ford cars whose brakes get lots of use, should have these oversize brakes. They are heavier and stronger in every part and give over double as much braking surface as regular brakes. Ship. wt., 27 lbs.

- W8379—Set of Brakes with 10 in. Drums. Ship. wt., 27 lbs. **9.85**
- W8378—Set of External Brakes for Ford 1 ton Truck (Ship. wt., 18½ lbs.) **8.65**



NEVER-BURN BRAKE LINING

Your Brake Lining is Life Insurance—Use the Best



We have handled Never-Burn Transmission Lining for years and it has been proved by many severe tests to be absolutely dependable, one of the longest-wearing and safest "never-burn" of any on the market. It is made out of the best quality long-staple cotton, more closely woven (more threads to the inch) than any lining we have ever examined. Ever fiber of the lining is thoroughly impregnated with an oil-and-heat-resisting solution, which makes it wear almost indefinitely. It will not "grab" or "chatter" like cheaper grades of lining, but wears down perfectly smooth giving you absolute control of the car at

all times. If you have had trouble with ordinary brake lining burning out quickly or "grabbing," get a set of Genuine Chatterless Never-Burn. You will get better satisfaction and more wear for your money than from any lining you have ever used. Ship. wt. set, 1 lb.

- D6100—For 1911-25 Ford, comp., 3 pcs., with rivets **1.35**
- D6101—For Ford, 1926-27, 3 pcs., with rivets **1.35**
- D6102—One-piece, with rivets, or lining single band, 1909-25 Fords (wt., 4 oz.) **.50**
- D6104—One-piece, with rivets, for lining Brake band, 1926-27 Fords (wt., 5 oz.) **.55**

"Kant-Break" Brake Shoes

Proof against breaking. Ordinary brake shoes nearly always break where the brake shoe bolt goes through them, making them unsafe, of very little use, and causing them to rattle. "Kant-Break" Shoes are made in 2 pieces so that they will not break even under severe strain. Made of certified cast iron. Will give excellent service and last much longer than ordinary shoes.

- D6106—Brake Shoes, each (Ship. wt., 2 lbs.) **.28**

Per pair (Ship. wt., 4 lbs.) **.52**

Brake Shoe Adjusters for Fords

When the Ford emergency brake shoes are half worn out they must be thrown away, as the brake shoe cams do not open the shoes wide enough to engage the drums. By driving these adjusters over the cams you can extend the life of the shoes at least fifty per cent. Will last indefinitely. Ship. wt., 4 oz.

- D6112—Adjusters, pair. **.14**

Steel Brake Shoes

For 1909-25 Fords. Made of cold rolled steel, lined with high quality asbestos brake lining. Holds much better than a plain iron shoe, lasts much longer and will not break into pieces like the cast iron. Can be lined again and again with our special lining. Ship. wt., pair, 4 lbs.

- D6116—Per pair. **.95**

Channel Steel Brake Shoes

Cannot break, slip or warp, and lining can be replaced in few minutes when worn. Will last 10,000 to 25,000 miles on original set of lining.

- Cannot buckle—worth a good many pairs of the ordinary steel shoes. (Ship. wt., 4 lbs.)
- D6108—Per pair. **1.85**

Cast Iron Brake Shoes

FOR 1909-25 FORDS. Exactly the same size and shape of the shoes which come in the Ford. Made of good quality gray cast iron. Ship. wt., each 2 lbs.

- D6120—Each. **.39**

Per pair. **.78**

6 SPEEDS 30% MORE SPEED, 50% MORE POWER

GIANT SLIDING-GEAR TRANSMISSION FOR ALL MODEL T FORD CARS AND ONE-TON TRUCKS

How often you want more power than standard low for hard pull or a big load; more speed than standard high for a rush trip or a long stretch of good highway; and a special speed that is faster than standard low but not so fast as standard high for rough roads, an extra heavy load on good pavement, or in traffic. Install a Giant Transmission and enjoy the same flexibility as the biggest cars and trucks. Gives you 2 more speeds than most high priced cars so that by a single backward or forward movement of the lever you have perfect control of your power and a speed for every need.

The Giant POWER Transmission gives 4 speeds forward; extra low, standard low, intermediate high, and standard high. Truck owners can keep trucks running regardless of almost any road conditions; can carry almost double loads; and can nearly double their earning capacity, and with a saving of gasoline. Equally effective on passenger cars used for heavy work. No hill is too steep for the Giant.

The Giant SPEED Transmission gives 4 speeds forward: Standard low, intermediate high, standard high, and extra high. 30 per cent more speed for either low or high without increasing speed of engine or vibration; 30 per cent greater gasoline mileage; and yet no sacrifice of power in low gear. Smooth speed, ample power, and flexibility.

Strong and sturdy in construction. Compact and easy to install (complete instructions furnished). Made of the very best materials with only 7 wearing parts which are guaranteed for the life of the car. Smooth and quiet, easy to operate, no experience necessary. Tried and proved by the actual test of actual service and fully guaranteed, "Satisfaction or Money Back." Complete with new drive shaft and all fittings. Write or call at our stores for further information.

- X8501—Giant SPEED Transmission, Ford Passenger cars (Ship. wt., 45 lbs.) **38.95**
- X8502—Giant POWER Transmission, Ford Passenger cars (Ship. wt., 45 lbs.) **38.95**
- X8503—Giant SPEED Transmission, Ford One-Ton Trucks (Ship. wt., 50 lbs.) **39.95**
- X8504—Giant POWER Transmission, Ford One-Ton Trucks (Ship. wt., 50 lbs.) **39.95**

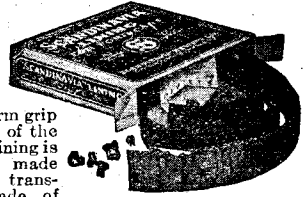


OUR REDUCED PRICE **\$38.95**

Genuine Scandinavia Brake Linings FOR FORD CARS

This well-known high grade transmission lining will not grab and chatter like cheap grades, but wears evenly and always gives you a firm grip and perfect control of the car. Scandinavia Lining is an imported lining made especially for Ford transmission bands. Made of long staple weave especially treated to resist oil, heat and grit. Complete set of three linings, with rivets ready to attach. Shipping wt., 1 lb.

- D6095—Scandinavia Linings, 1911-25 Fords, per set **1.79**
- D6096—Scandinavia Linings, 1926-27 Fords, per set **1.85**



Extra Thick Transmission Lining

Much thicker than ordinary lining. Much softer and more resilient so that positively all chatter is eliminated. Will wear much longer than ordinary bands. Woven so they wear to the last thread. Made of the best materials. Full directions with each set. Set includes 3 bands and all necessary rivets (Ship. wt., 1 lb.)

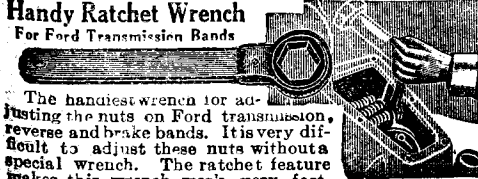
- Our Reduced Price
- D6087—Extra Thick Lining, 1909-25, set. **.85**
- D6088—Extra Thick Lining, 1926-27, set. **.95**



Handy Ratchet Wrench For Ford Transmission Bands

The handiest wrench for adjusting the nuts on Ford transmission, reverse and brake bands. It is very difficult to adjust these nuts without a special wrench. The ratchet feature makes this wrench work very fast. Keep this adjustment accurate and eliminate "drag," loss of power, and loose brakes.

- D6164—Handy Ratchet Wrench. Ship. wt., 8 oz. **.19**



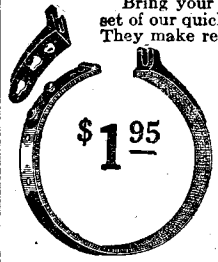
Quick Detachable Transmission Bands

Bring your Ford up to date by installing a set of our quick detachable transmission bands. They make relining the bands a quick, inexpensive job, and will save you many dollars.

One car on each band is detachable (see illustration) with special locking rivet head which snaps into place, automatically locking the car to the band. It takes only a minute yet when attached it is as firm as a solid piece.

By using the special hack saw listed below you can reline your transmission bands in an hour without removing the transmission cover. Bands come lined with extra high quality treated lining. Full instructions furnished with every set. Satisfaction guaranteed. (Ship. wt., 4 lbs.)

- W8286—Complete set for 1911-25 Fords. **1.95**



Special Hack Saw

Use to install Quick Detachable Brake Bands. Useful in many other ways. Comes complete with handle and blade.

- H7167—Hack Saw Complete. (Ship. wt., 8 oz.) **.19**

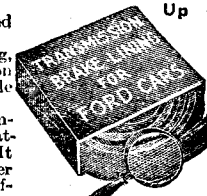


Transmission Band Linings 45¢ and Up FOR FORD CARS

To those who prefer lower-priced linings we offer two grades. The plain untreated lining, like the regular equipment on Ford cars is offered at a worth-while saving.

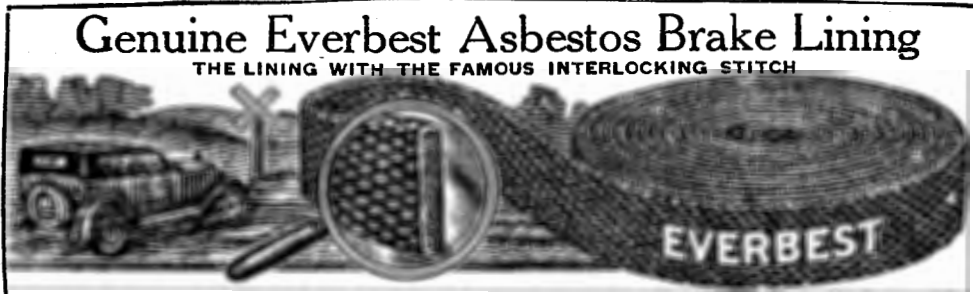
The treated is a much better lining of selected quality, specially treated to withstand heat and wear. It will give so much better and longer service that it is well worth the difference in price. Ship. wt., 1 lb.

- D6092—Set of 3 with rivets—Treated, 1911-25 **85¢**
- D6093—Set of 3 with rivets—Treated, 1926-27 **85¢**
- D6091—Set of 3 with rivets—Untreated, 1911-25 **45¢**
- D6090—Set of 3 with rivets—Untreated, 1926-27 **48¢**



Genuine Everbest Asbestos Brake Lining

THE LINING WITH THE FAMOUS INTERLOCKING STITCH



A strictly high quality brake lining. Contains 90% fine stable long fiber asbestos yarn closely interwoven with high quality brass wire. Will not char or burn from friction heat, does not soften or become hard. Heat-proof, water-proof and oil-proof. Made full

standard size and thickness. Do not take chances with cheap inferior under-size brake lining. Make your car safe. The best is the cheapest in the end. Average shipping weight, 6 oz. per foot. Prices given are per foot. Be sure to state length, width and thickness in ordering. Also give make, year and model of car.

Number	Width	Thickness	Reg. Price	Our Price
D6239	1 1/4"	3/4"	.20	9c
D6240	1 1/4"	5-32"	.28	.33
D6254	1 1/4"	5-32"	.30	.44
D6235	1 1/4"	5-32"	.30	.44
D6237	1 1/4"	5-32"	.35	.46
D6238	2"	5-32"	.40	.49
D6241	1 1/4"	3-16"	.30	.44
D6242	1 1/4"	3-16"	.35	.46

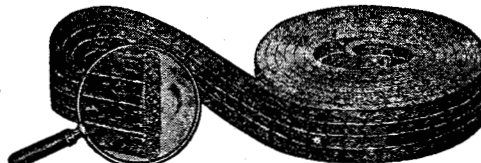
Number	Width	Thickness	Reg. Price	Our Price
D6243	1 1/4"	3-16"	.40	.48
D6244	2"	3-16"	.45	.54
D6245	2 1/4"	3-16"	.50	.60
D6246	2 1/4"	3-16"	.55	.66
D6250	1 1/4"	3/4"	.40	.48
D6247	2"	3/4"	.60	.72
D6248	2 1/4"	3/4"	.65	.78
D6249	2 1/4"	3/4"	.75	.90

Never-Burn Asbestos Brake Lining

Highest Grade, Hydraulic Pressed

The great advantages of the hydraulic pressed brake lining are now coming to be generally known. Our "Never-burn" is constructed of pure asbestos, interwoven with best quality brass wire. Then it is compressed and cured at 2,000 lbs. pressure for one hour at intense heat. This hydraulic pressure makes the density of the lining fixed and unvarying; being cured under heat, it is not burned out or affected by heat in service. Is also unaffected by oil, water, gasoline or dirt.

When you are lining your brakes or having them lined, the cost of the lining is the smallest part. Our Never-Burn Hydraulic Brake Lining will wear from two to three times as long as most woven lining. Although the initial cost is a little more, it is really less expensive in the long run than cheaper lining. In addition to this, when your brakes



are lined with Never-Burn, you know your car is going to stop when you put your foot on the brake.

Shipping weight, about 8 oz. per foot. Be sure to state length, width and thickness desired. Also give year and model of car.

Num-ber	Width	Thick-ness	Price	Num-ber	Width	Thick-ness	Price
D6121	1 1/4"	3/4"	.15	D6118	2"	3/4"	.21
D6122	1 1/2"	3/4"	.21	D6123	1 1/4"	3/4"	.21
D6115	1 1/2"	3/4"	.24	D6124	1 1/4"	3/4"	.21
D6111	1 1/2"	3/4"	.26	D6125	1 1/4"	3/4"	.21
D6117	1 1/2"	3/4"	.27	D6126	2"	3/4"	.21
				D6127	2 1/4"	3/4"	.21

Aluminum Rivets

For Brake Lining



Form a more perfect head than brass—do not squeak while wearing down—do not cut brake drum—easier to install. Ship. wt., 6 oz. per box.

J7632	3/8" long, box of 100	.29
J7633	1/2" long, box of 100	.33
J7634	5/8" long, box of 100	.35

Split Brass Rivets

Shipping weight 6 oz. per box

J7648	3/8" long, box of 100	.14
J7645	1/2" long, box of 100	.20
J7649	5/8" long, box of 100	.24
J7647	1" long (Ford size), box of 100	.14
J7646	1 1/2" long (Ford size), box of 100	.18

Brake Juice for Hub Brakes

For Cars With Rear Wheel Brakes

Do your brakes squeak and slip when you apply them? Our Brake Juice is a specially prepared liquid for applying between the brake lining and the drum, to prevent squeaking and to give a new surface to the lining and greater friction. Will also stop slipping of fan and magnetos belts. Just squirt it on; it does the work. Shipping weight, 12 oz. G7077—1/2-pint can with spout. .37



Transmission Band Tool

FOR FORD CARS



Makes putting on the transmission cover an easy job. The clamp holds the bands in perfect alignment and can be put on and removed instantly. The wrench which is attached to the clamp with a chain fits adjustment nut and the chain prevents losing either of the tools in the transmission case, which often

H7132	Tool Complete (Shipping weight, 11 lb.)	.35
H7630	Clamp only (without wrench)	.12

HIGO

Chatter Cure for Ford Cars

A preparation to do away with the nerve-racking chattering and grabbing. Will save the cost of relining your bands until they are entirely worn out.

Higo is a perfect lubricant that will not gum, corrode or congeal; not affected by heat or cold. Just add a pint to any good lubricating oil and the chatter will be eliminated. Satisfaction guaranteed or money refunded. G6893—Higo, Quart can. .45



Lee Union-Alls



LONG-WEARING—DURABLE

Saves Clothes—Saves Cleaning

Two Styles—Supplied either in Plain Style, with buttons, or with the convenient, positive, smooth-acting Hookless Fastener.

For the man who works around his car Lee Union-Alls will be found very convenient to wear for the odd jobs of cleaning and adjusting. Save their cost time after time. Cut full and roomy assuring comfort. Neat in appearance. Made of especially woven Herringbone Khaki Twill fabric which has extra-weaving surface, a close weave and more resistant to oils and greases than ordinary fabrics. Made in two grades, extra heavy for continuous use and in medium weight for those who wear them occasionally. Very serviceable.

Give chest measurement on order. It is well to remember that Lee Union-Alls are a cotton garment and liable to shrinkage. For sizes 46 to 50 add 10%; 20% for sizes 50 to 56. (Ship. wt., per pair, 5 lbs.)

K8085—252F—Olive Drab Khaki Twill, medium wt., sizes 34 to 44. .2.95

K8080—292F—Lee Herringbone Twill, heavy wt., sizes 34 to 44. .3.65



The Hookless Fastener Lee Union-Alls—A combination of the Genuine Hookless Fastener and Genuine Lee Union-Alls. Fastens up the front with the positive, smooth acting Hookless Fastener. The most convenient slip-on work garment obtainable. In and out like a flash—no buttons to bother. Launderers perfectly. Non-Rusting. Will not jam. Guaranteed. Supplied only in the Long-Wear Herringbone Twill Khaki.

7081—Lee Hookless Fastener Union-All, sizes 34 to 44. .4.95 For sizes 46 to 50 add 10%.

Zowie Hand Soap Tabs

For Farmers—Mechanics—Autoists



Zowie washes embedded dirt, grease, stains or paint from the creases and pores of the hands like magic. Leaves the skin smooth and unclapped. Little round tabs—one tab enough for a wash—containing only pure soap of the highest quality, glycerine and other antiseptic and healing properties, combined with cereals and hard wood fibre.

Cleans thoroughly in a natural way—soothes and heals cracked and chapped skin.

Thousands of Housewives Also Use Zowie

Hands that are rough and stained from household tasks become smooth, soft and white with the daily use of Zowie. Good for kiddies' hands, too.

Zowie is economical—comes about 40 tabs in a handy tube. Will keep indefinitely. Ship. wt., 6 oz. G7010—One Tube. .10
G7010A—Carton of 6 Tubes and White Enamelled Holder to hang at the washstand. .50

Three-Cornered Bearing Scrapers

Best grade steel, properly tempered. Hard-wood handle. A very handy tool and sure to give good results.

H7450—3-Cornered Scraper (Ship. wt., 4 oz.) .25

Set of Three Bearing Scrapers



Made of forged steel with ground edges and hardwood handles. Three sizes properly curved. H7453—Set of 3 Bearing Scrapers. (Ship. wt., 1 1/2 lbs.) .95

Bearing Compound

Saves hours of time in fitting bearings. You do not have to scrape your bearings at all and you get a much more perfect fit. Furnished with directions for use. Will grind all types of soft metal bearings. Will save its cost in one job. H7457—4 oz. Can. .68



Carbon Remover Tablets

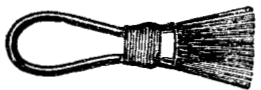


Simply remove the spark plugs, put two Worko Tablets in each cylinder, replace the plugs, run the motor slowly for a few minutes and the carbon is gone and your car is ready to use. Is absolutely harmless to everything but carbon. Also cleans valves, pistons, spark plugs and exhaust passage. Get a can now and save big repair bills, as nothing is quite so injurious to a motor car as carbon. (Ship. wt., 8 oz.)

W7007—Box of 24. .70

Steel Scratch Brush

Has stiff wire bristles. Handy tool for cleaning pistons and cylinder head gums and small passages of carbon after carbon has been removed. Also brush is handy for roughening tube before applying a patch.



H7650—Scratch Brush. (Shipping weight, 8 oz.) .19

Engine Cleaning Steel Brush

A very handy long-handle brush to use around motor chains, gears and other parts where a wire brush is needed. Has wood handle and wire bristles. Will last a long time. Shipping weight, 8 oz. H7642—Engine Cleaning Brush. .28



Scraper Knife

A very handy tool for scraping carbon off top of pistons or out of cylinder head when it is removed, also good for many other purposes. Shipping steel blade about 1x3", wood handle. Ship. wt., 8 oz. H7436—Scraper Knife. .10



Bearing Blue

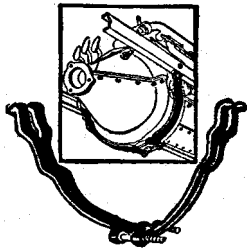
Used to show high spots and uneven surfaces when scraping. Shipping weight, 4 oz. H7456—2-oz. tube Bearing Blue. .15



Non-Vibrate Crank Case Support

EASY TO INSTALL

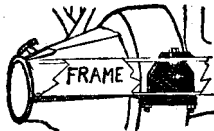
The great features of this crank case support are its ease of installation, (requires no bolting to frame) its heavy, sturdy construction, and its ability to stop vibration. Specially designed hooked arms simply hook into and over the frame of the car as shown in illustration. Then the bolts at the bottom are tightened pulling your crank case into position. The tighter you pull the firmer it holds. Eliminates half the vibration in your motor and universal joint. Built of heavy material throughout. Will never give away. Ship. wt., 6 lbs. **Our Reduced Price**



W8285—Crank Case Support, for Passenger Cars... **1.45**
W8285A—Crank Case Support, for 1 ton Trucks... **1.45**

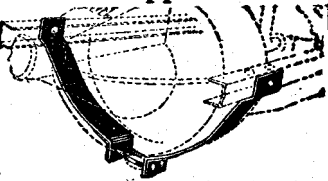
Handy Crank Case Repair Arms

When a Ford crank case arm breaks, repairs are difficult, expensive and time-consuming. A new arm has to be riveted on. All this trouble is eliminated with the use of this handy repair arm. All that is needed is to loosen four bolts, slip the repair arm into place and bolt up. Strong and substantial. A wonderful time and money saver. For all model Ford cars. J7810—Handy Repair Arm (Ship. wt., 3 lbs.)... **.35**



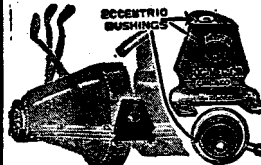
Crank Case Support

Why pay a repair bill of \$20 or more when a crank case support will hold broken crank case arms firmly together as long as your Ford lasts. It will also help support the motor and prevents the crank case arm from breaking or tearing loose. Hard strains often loosen the rivets holding the arm to the crank case, allowing oil to escape around the loose rivets. Our support will prevent this. Made of strong metal. Shipping wt., 4 lbs. J7787—Crank Case Support... **.78**



New Quick-On Repair Arms

Eliminates the difficult task of lining up bolt holes, and makes an easy job of a hard one. Can be installed in half the time of the ordinary repair arm—no prying or pounding needed. Has tapered offset plugs which fit into tapered socket holes in crank case repair arm. These plugs can be turned in the socket holes until the bolt holes in the repair arm line up exactly with the bolt holes in the frame of the car. Then by slipping the regular bolts in and tightening the nuts the crank case arm is in place. Plugs and sockets are tapered so they can never pull through. Made of best grade steel. Have one on hand for emergency. Ship. wt., 3 lbs. J7800—Quick-On Repair Arm, each... **.48**



Ring Gears and Pinions for Fords and Chevrolet

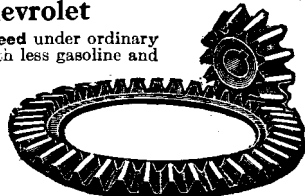
By installing a set of 3 to 1 gears on a light Ford car you can develop a speed under ordinary conditions, of 50 to 55 miles an hour or even more, and get more mileage with less gasoline and oil consumption. Our 4 to 1 gears are gears for power. For use on trucks and in very hilly or sandy country. They reduce the speed slightly. Equally effective with full balloon tires. For speed in cars using full balloon tires we recommend the new 3 1/4 to 1 gears shown below. The gears we offer are the highest quality, forged gears and can be depended on for service. Guaranteed to fit.

Standard Ratio Gears for Chev. 490 and Sup.
J7867—Complete set, spiral-cut ring gear (34 teeth) and spiral-cut pinion (9 teeth) for Chev. Superior, 1921-24 (Ship. wt., 5 lbs.)... **4.65**
J7868—Spiral Ring gear only, 34 tooth for Chev. (Ship. wt., 3 lbs.)... **3.10**
J7869—Spiral Pinion gear only, 9 tooth for Chev. (Ship. wt., 2 lbs.)... **1.85**

Gears for 1925-26 Chevrolet see page 91
Prices on gears and pinions for other cars gladly furnished on request. Save 20% to 60%.

Speed Gears and Power Gears, for Fords
J7782—Set, 3 1/4 to 1 Speed Gears (Ship. wt., 5 lbs.)... **4.80**
J7783—Set, 3 to 1 Speed Gears (Ship. wt., 5 lbs.)... **4.80**
J7784—Set, 4 to 1 Power Gears (Ship. wt., 5 lbs.)... **3.25**
J7781—13 tooth Drive Shaft Pinion for 3 to 1 Gears (Ship. wt., 2 lbs.)... **1.78**

For standard ratio gears see page 96



SILENT TIMING GEARS FOR POPULAR CARS

SILENT DURABLE

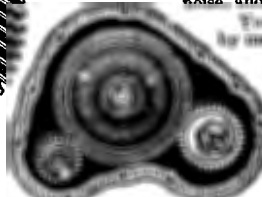
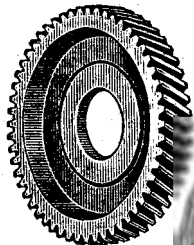
Used as Standard Equipment on most High Priced Cars. The metal to metal contact and the constant grinding of ordinary iron timing gears, on Ford, Chevrolet, older models of Dodges, and Overland, soon wears them so badly that they grind and rattle, making a very disagreeable noise, and causes them in time to crack from crystallization.

Our gears can permanently stop the noise and practically eliminate all wear on the timing gears.

Our gears are made of best quality specially prepared timing gear material. This material has stood the test of years—giving perfect service in the highest priced cars. It cushions the motor shocks, absorbs the noise, and yet is so strong and durable that it will out-wear iron gears and practically never wear out itself. It is oil-proof and waterproof; it will not swell, shrink, twist, or warp. Easily installed.

H7561—For Ford cars, (replaces 3047B large timing gear). (Ship. wt., 1 lb.)... **3.20**
H7562—For Chevrolet, 4-90 and Sup. 1916-24 (replaces crank shaft and generator gears). (Ship. wt., 2 lbs.)... **4.35**
H7560—For Chevrolet, all models, 1916-27 (replaces big cam gear). (Ship. wt., 1 lb.)... **4.35**
H7559—For Chevrolet, mods. K, V and AA, 1925-27 (replaces crank shaft gear). (Ship. wt., 1 lb.)... **1.95**
H7563—For Overland 1920-27 (replaces crank shaft, cam shaft and generator gears). (Ship. wt., 5 lbs.)... **4.95**
H7564—For Dodge 1915-25 (replaces cam shaft gear). (Ship. wt., 2 lbs.)... **3.95**
H7564—For Dodge 1926-27 (replaces cam shaft gear with oil slinger). (Ship. wt., 2 lbs.)... **3.95**
H7566—For Dodge 1926-27 (replaces cam shaft gear with oil slinger). (Ship. wt., 2 lbs.)... **3.95**

Prices on Silent Timing Gears for other cars gladly furnished on request.



“Heavy Duty” Springs For Ford Cars



Made Extra Heavy For Hard Service. Much heavier, stronger and more substantial than the regular standard grade. Especially suitable for severe, strenuous work, or for commercial bodies and carrying heavy loads. Our “Heavy-Duty” Springs will stand far more hard usage and overloading than the regular weight. Made from the very finest spring material and are very flexible considering their extreme strength. If you are having trouble with springs breaking, get a pair of “Heavy-Duty”.

W8368—“Heavy-Duty” Front, 8 leaf (Ship. wt., 20 lbs.) (no special clips needed)... **1.85**
W8369—“Heavy-Duty” Rear, 10 leaf, with special long clips (Ship. wt., 52 lbs.)... **5.65**
J7733—Extra Clip for 10-leaf rear spring each... **.39**

Springs for Ford Cars

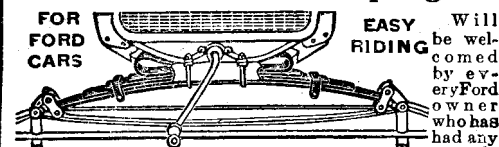


Best Quality Regular Size and Weight. These are best quality, standard weight, springs made of high-grade, oil tempered, spring steel that is especially prepared to meet the requirements, stand the loads, jerks and strains to which an automobile spring is subjected.

W8330—Front Spring, 7-leaf, 1909-25 (Ship. wt., 18 lbs.)... **1.35**
W8329—Front Spring, 1926-27 Ford (Wt., 19 lbs.)... **1.85**
W8331—Rear Spring, 8-leaf, 1909-25 (Ship. wt., 43 lbs.)... **3.95**
W8332—Rear Spring, 9-leaf, 1909-25 (Ship. wt., 48 lbs.)... **4.65**

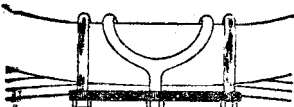
Extra Quality Front Spring

Will be welcomed by every Ford owner who has had any trouble with breaking front springs. Has seven leaves of highest grade, well-tempered steel, with a special curl arrangement in the center which prevents excessive rebound, making the spring easy-riding, but at the same time almost unbreakable. Protects motor and tires from the effect of rough roads. Satisfaction guaranteed. (Ship. wt., 21 lbs.) W8449—Extra Quality Front Spring... **2.95**



Special Spring Clamp Bar FOR FORD CARS

A heavy drop forged plate which fits snugly under the front spring of Ford cars and supports the center at the weakest place, where the greatest strain comes. Takes out all excessive spring action. Being long it greatly stabilizes the car by attaching the spring more rigidly to the chassis. Comes complete with necessary clips and nuts. Easily installed. Ship. wt., 4 lbs. J7783—For 1909-26 Fords with 7 leaf front springs... **.85**
J7789—For 1926-27 Fords with 8 leaf front springs... **.85**



Spring Shackie Assembly

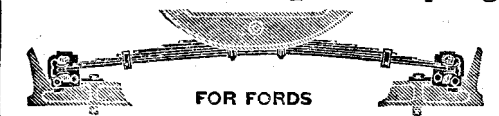
These improved shackle assemblies are accurately made and threaded for use with compression grease cups, which insure positive lubrication, easier riding and much longer wear. Can be used with ordinary grease cups or with Alemite lubricating system (see page 41). Two assemblies are required for each spring. Ship. wt., 1 lb. each. **Our Reduced Price**

J7848—For Ford front spring (without cups) each... **.29**
J7849—For Ford rear spring (without cups), each... **.29**
G7015—3/4" grease cup, each, 4c 3 for... **.29**
For compression fittings see page 41.



Rubber Cushion Long Front Spring

An extra quality spring combining the slow, soft action of the long spring with the shock absorbing effect of the rubber cushions which replace the regular spring shackles (a new improvement which has been adopted on many of the big cars). Eliminates broken springs, does away with the need for shock absorbers and rebound checks. Saves car and adds to its riding comfort. Nothing to wear out, break, or get out of order. Never requires attention. Easy to install. Ship. wt., 30 lbs. W8328—Rubber cushion spring (1909-25 Fords)... **5.95**



“Blow-On” Spring Lubricator

Now, you yourself can keep your springs oiled without creeping under the car and getting all dirty. This new lubricator contains about 1 pint of the very best penetrating oil. It is carbonated so that by opening the valve a stream of oil mist about the size of a pin point squirts out. Will throw about 20 feet. Not one drop is wasted. Entirely automatic—can be controlled exactly. One can will last a year. G6667—1 pint size (Ship. wt., 2 lbs.)... **.85**



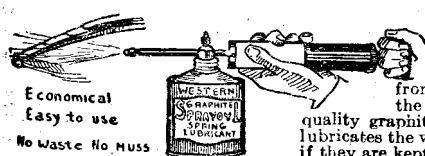
Penetrating Spring Oil

Simply use a brush to flow oil along the edge of each leaf. It penetrates, cuts the rust, grease, and dirt, and works its way between the leaves, leaving a good coat of the lubricant. Also good for body squeaks and for loosening nuts, bolts, screws, locks, etc., that are stuck with rust. Easy-working springs will make your car and tires last much longer. Get a can of spring lubricant and see what a difference it makes in the way your car rides. G7079—4 oz. bottle with swab... **.26**
G7084—Pint can (Ship. wt., 1 1/2 lbs.)... **.39**

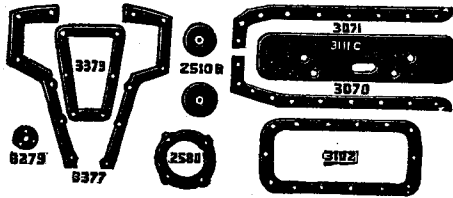


SPRAYOYL SPRING LUBRICATOR

Consists of a can of oil and a pressure spray gun which can be quickly and easily attached for use. By working the plunger you can shoot a fine spray of oil to the most inaccessible places on your springs and chassis, making the car ride much easier, and taking out noises and squeaks from both springs and body. No muss, no dirt, no crawling under the car. The oil furnished will last a long time. It is the highest quality graphited penetrating oil. It creeps between leaves of springs and lubricates the whole surface. Your springs will not be nearly so liable to break if they are kept well oiled. The gun can be used as a garden, insect, paint or any other kind of spray if desired. G6890—Sprayoyl Outfit Complete with full can of oil (Ship. wt., 4 lbs.)... **1.48**
G6891—One pint of oil for refilling gun (Ship. wt., 1 1/2 lbs.)... **.45**



GENUINE ARMSTRONG CORK GASKETS FOR FORD CARS



These new improved gasket sets have been made up especially for us to combine the superior qualities of cork for general gasket use with the well recognized superiority of felt for use in rear hub washers and transmission cover strips. Armstrong cork gaskets are widely known among car owners as the very best. They are made of strong pressed cork by a special patented process which renders them pliable, leakproof and especially long lived. Every gasket full size and guaranteed to fit. Ship. wt., set, 1 lb.

- J7737—Set for 1909-24 Ford (contains one each 2580, 3070, 3071, 3102B, 3279, 3379, and 8111C and two 3377, all in cork, also one 3363 long felt, one 3363 short felt, and two 2510B felt washers) **.29**
 - J7740—Set for 1925-27 Ford (same as J7737 except having 3102C instead of 3102B)..... **.29**
 - J7738—Special Set for Ford Transmission Cover; two 3377 (cork), one 2580 (cork), and two felt strips 3363 (set not illustrated). (Ship. wt., 8 oz.) **.18**
- INDIVIDUAL CORK GASKETS FOR FORD CARS**
Shipping Weight, each, 1 oz.

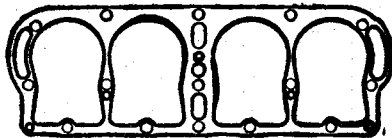
- J3070—Crank Case and Cyl., left..... **3c**
- J3071—Crank Case and Cyl., right..... **3c**
- J3102B—Engine Pan, 1909-23..... **1c**
- J3102C—Engine Pan, 1924-27..... **1c**
- J3981—Fan Pulley..... **2c**
- J5057—Generator Head..... **2c**
- J5056—Motor Mounting..... **2c**
- J3279—Magneto Post..... **2c**
- J3377—Trans. Cover 2 for 8c..... **4c**
- J3379—Trans. Door..... **4c**
- J3381—Starter Cover..... **2c**
- J2580—Universal Joint..... **4c**
- J3111B—Valve Door, 1909-21..... **5c**
- J3111C—Valve Door, 1921-27..... **5c**

Sheet Cork

High quality sheet cork, 1-16 in. thick, for use in making gaskets. Comes in sheets, 12x36 in.
J7725—Cork, per sheet. (Ship. wt., 1 lb.)..... **.28**



Cylinder Head Gaskets for Popular Cars



Standard quality gaskets—guaranteed to fit perfectly. Have an extra one on hand for emergencies.

- J7734—Ford, all models..... **.22**
- J7664—Chevrolet, all models..... **.22**
- J7665—Dodge, all models..... **.22**
- J7666—Overland Four, 1920-23..... **.22**
- J7667—Overland 4, 1924-26..... **.22**
- J7668—Essex, 1925-26..... **.22**
- J7669—Star 4, 22-27..... **.22**
- J7674—Maxwell, 1916-23, and Chrysler 4-50..... **.22**

Combination Gasket and Gland For Ford Manifolds

A special "two-in-one" washer, which takes the place of both Nos. 3063 and 3064 gasket and gland for Ford exhaust pipe and inlet pipe. Much easier to put in than regular ones. Shipping weight, 1 oz.



J7729—Manifold Gasket, Each, **4c**, set of 6..... **.22**

Felt Gasket Sets 1909-24 Fords 28c

Made of high grade wool felt in the correct sizes and shapes to fit parts shown. Save delay by having a full set of these on hand before you begin a repair job.
Shipping weight, set, 1 lb.



J7724—Full set 20 gaskets and washers..... **.28**

Gasket Shellac Compound

Western Gasket Shellac Compound makes the gaskets air-tight and a leak-proof connection unaffected by gasoline, oil or heat. Works on all forms of gaskets, asbestos, copper or felt.



- J7746—2 oz. bottle with dauber cork..... **.12**
- J7747—4 oz. bottle, with dauber cork..... **.22**
- J7745—1/4 pint can. (Ship. wt., 1 lb.) **.32**

New Graphite Shellac

A scientific compound of the highest quality shellac with graphite. Expands with the heat of your motor, making a perfectly tight joint that cannot leak oil or gas. With Graph-A-Lac, gaskets may be used again and again as they are not injured by removing.



- G6868—Graph-A-Lac, 1 1/4 oz..... **.14**
- G6869—Graph-A-Lac, 5 oz..... **.42**

Form-a-Gasket Compound

Use either alone or on top of any kind of old or new gaskets. Makes a union that is pressure-tight, stands very high heat, and is leak-proof to gasoline, grease, oil or water. Saves much time and gasket material. Lets you use your gaskets over and over. Fine for warped cylinder heads



J7612—2-oz. handy tube Form-a-Gasket..... **.32**

Copper Gasket for Ford Car



Complete set consists of one cylinder head gasket, one cylinder head outlet gasket, one cylinder water inlet gasket, one carburetor flange gasket, six inlet and exhaust pipe gaskets. Every Ford owner should get a full set of all copper gaskets used on the car before starting to overhaul car. Shipping weight, per set, 1 lb.

- J7727—Full Set 11 Gaskets, for Ford car..... **.34**
- J7734—Cyl.-Head Gasket for Ford car. Ship. wt. 12 oz. **.22**
- J7728—Set 10 small gaskets less cyl. head gasket. **.18**

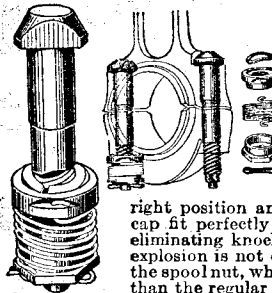
3 in 1 Exhaust and Intake Gasket



A vast improvement over the old Exhaust and Intake gasket. The 3-in-1 is easy to hold in place while setting the manifolds in place and three times as leak-proof, owing to the large area it covers. It takes the place of three No. 3063 manifold gaskets. Only two 3-in-1 Gaskets required for a car, instead of six of the old style. Made of pure copper sheets with asbestos between. Ship. wt., 2 oz.

J7733—3-in-1 Gasket, each, **10c**. Set of 2..... **.19**

Automatic Take-Up Connecting Rod Bearing Bolts



Positively guaranteed to stop connecting rod knocks for the life of the motor and keep the bearings tight even on a crankshaft that is slightly flat or out of round. The tension spring keeps the spool nut turned up to the right position and makes the bearing cap fit perfectly at all times thereby eliminating knocks. The force of the explosion is not on the spring, but on the spool nut, which has more strength than the regular bolt and nut. Easy to install. No scraping and fitting of bearing required. Anyone can do a perfect, permanent bearing job cheaper and quicker, and when once installed never need attention. Offer a real saving. Come complete with instructions ready to put on. Ship. wt., 1 lb.

Our Reduced Price

- J7893—Complete set of 8 for Ford, Durant 4, Chevrolet, 1925-26..... **2.55**
- J7893X—Complete set of 12 bolts for Chandler, Durant 6, Pontiac, Studebaker Big 6..... **3.85**
- J7883—Complete set for Dodge cars..... **4.35**
- J7884—Complete set for Fordson Tractor..... **4.35**
- J7878—For Nash 4, Star, Grant, set of 8..... **3.15**
- J7878X—Complete set of 12 bolts for Cleveland, Essex, Studebaker Light 6..... **4.85**

Anchor Running Board Brace

If your running boards sag or if the body of the car seems loose, end this trouble by installing an Anchor Running Board Brace. If you carry heavy luggage on your running boards you need one of these braces.



Made of heavy angle iron with strong hook bolts that go over the frame and through the brace binding the body of the car and the running boards together. Wood blocks give ample support to running boards. Easily and quickly installed. Comes complete with fittings. Ship. wt., 12 lbs.

W8381—Running Board Brace for Ford, each..... **1.05**

Laminated Shims for Ford

Made in layers of .002 inch thickness, so they can be peeled off as desired, yet as solid as a single piece. Our shim sets contain full assortment of 14, for connecting rod and crank shaft bearings

- J7641—Connecting Rod Shim, each..... **5c**
- J7642—Front or center main bearing shim, each .. **6c**
- J7643—Rear main bearing shim, each..... **8c**
- J7640—Full Set of 14 (Ship. wt., 4 oz.)..... **.68**

Engine Shim Assortments for Fords

Consists of 60 connecting rod, 20 center and front bearing, and 20 rear bearing. High-quality shims, specially cut of proper varied thickness to obtain the correct adjustment on Ford crank-shaft and connecting rod bearings.

- J7638—100 Assorted Eshims (Ship. wt., 12 oz.).... **.45**
- J7639—An assortment of 100 brass connecting rod shims in these thicknesses: .002, .003, .005 (Ship. wt., 8 oz.)..... **.48**

Brass Shim Stock

For All Cars
For use when it is necessary to cut out shims for repairs. The package contains six sheets of special sheet brass, each 8x2 1/2 inches, with thicknesses of .001, .002, .0035, .005, .007 and .010.

- J7635—Shim Stock, assortment (Ship. wt., 8 oz.).... **.29**

Extra Quality Connecting Rods FOR FORD AND CHEVROLET



Carefully made forgings with finest S.A.E. specification babbitt bearings, nicely and accurately finished.

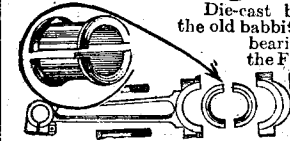
Guaranteed to fit. Ship. wt., ea. 3 lbs.

- K8017—For Ford, each (Ford No. 3024)..... **.92**
- K8014—For Chevrolet (Ship. wt. 4 lbs.) each..... **1.35**

Connecting-Rod Bearing

Die-cast bearing only. Take out the old babbitt and replace it with these bearings. They fit readily into the Ford Rod and by a crimping operation that can be done with a hammer are locked as rigidly and permanently as the cast in. Made of highest quality babbitt metal. Directions for installing with each pair.

- K8141—Pair complete for one rod (1914-25 Fords only)..... **.35**



Babbiting Jig and Babbitt

Enables you to re-babbitt bearings in Ford connecting rods at small cost. Absolutely accurate. Can be used by Ford owners as well as by repair men. Full directions with each jig.

- H7492—Babbiting Jig, each (Ship. wt. 3 1/2 lbs.)... **.85**
- H7493—1 lb. Babbitt (enough for 4 rods)..... **.92**
- H7494—3-inch Babbiting Ladle (wt. 1 lb.)..... **.45**



Wires for All Mechanical Uses

STOVE PIPE WIRE
Black enameled to prevent rust. Has a thousand uses. Ship. wt. 6 oz.

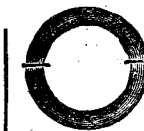
- J7630—1/4 lb. roll, 19 gauge..... **9c**

COPPER WIRE
2 oz. spool, 20 gauge copper wire for a variety of uses. Ship. wt., 4 oz.

- J7621—2 oz. spool copper wire... **9c**

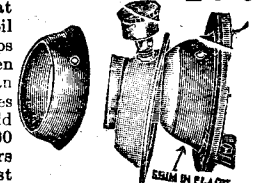
STEEL MUSIC WIRE
4 oz. roll high quality, for cutouts, dash controls, etc.

- J7623—4 oz. roll steel music wire (Ship. wt. 6 oz.)... **.24**



Ball Shim for Universal Joint

Takes up the excess play at the ball-joint, stopping oil leakage and rattle. Also stops rear axle chattering when starting and stopping. Can be installed in ten minutes and does the work that would otherwise require \$10.00 worth of new parts and hours for installation. Made of best material and will last indefinitely. Satisfaction guaranteed. Ship. wt., 12 oz.

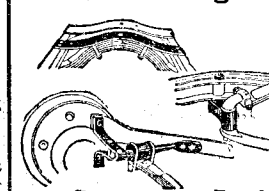


Our Reduced Price
C5571—Ball Shim, complete with instructions..... **19**

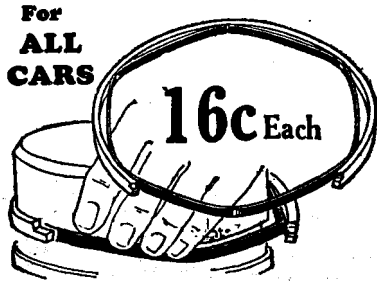
Underslung Parts for Fords

Lowers the chassis of the car about 4 inches. This permits high speed and safety even on sharp turns and gives the car a low slung, racy appearance. Every part is made of steel or malleable iron. Strong and rugged. Easily installed. Not necessary to reverse rear axle housings or remove rear wheels. No cutting of any part of the car necessary. Will fit any Ford car. Instructions furnished with each set. Shipping weight, 20 lbs.

- W8283—Complete Set Underslung Parts..... **4.26**

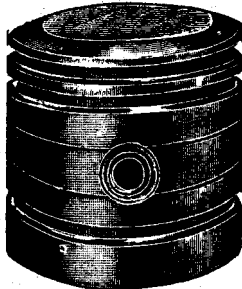


Genuine Ramco Cushion Inner Ring



Guaranteed to Stop Oil Pumping and Piston Slap.
Bring back the original compression and renew the engines power and acceleration; reduce vibration, oil dilution, and carbon deposit; save gasoline and oil; and are guaranteed to **ABSOLUTELY STOP OIL PUMPING AND PISTON SLAP.** Easy to install. Just clean carbon out of piston ring grooves and slip them under the regular rings now on your car—no filing, fitting or other fine work. They renew and maintain the "spring" in the piston ring and hold the piston in the center of the cylinder.
Made of specially treated long grain Swedish steel that will not crystallize or lose its "spring" even under tremendous heat. Scientifically designed so that Inner ring presses out on the ring at 6 points with a pressure of 8 lbs.—exactly the right pressure to get high compression and prevent oil pumping and piston slap but not enough to cause scratched cylinder walls or frozen pistons. Parts are the least expensive in a repair job—it pays to use the best.
In ordering give make, year and model of car.
K8071—Ramco Inner Ring, each (Shipping weight, 2 oz.)..... **.16**

Pistons for Ford Cars

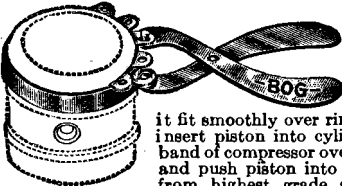


These pistons are made from the very highest grade close grained gray iron, accurately made and ground to size, which insures the size being right and that each piston is exactly round. Furnished without rings so you can select the grade of ring you prefer. When renewing pistons, always get full set to insure uniformity. Pistons come with pins and bushings but without rings.
Ship. wt., each 2 1/2 lbs.

- K8015—Regular size Piston, each..... **.98**
- K8016—.0025 Oversize Piston, each..... **.98**
- K8020—.005 Oversize Pistons, each..... **.98**
- K8021—.031 Oversize Piston, each..... **.98**
- K8022—.033 Oversize Pistons, each..... **.98**

Pistons For Chevrolet, See Page 116

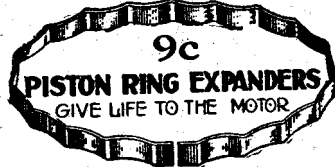
Bog Piston Ring Compressor



Does the work quickly and easily. Band is wide enough, that there is no trouble making it fit smoothly over rings. To operate, insert piston into cylinder, place steel band of compressor over rings, compress and push piston into cylinder. Made from highest grade steel throughout and guaranteed to stand up under heavy strain. Fits all rings 2 1/4 to 4 1/4 inches in diameter. Shipping weight, 1 lb.
Our Reduced Price

H7574—Bog Ring Compressor, each..... **.35**

Piston Ring Expanders



Are placed under any make of piston ring and push the piston rings outward from the piston, causing it to make perfect contact on the entire cylinder wall. Piston Ring Expanders save oil and gasoline, reduce carbon deposits and vibration, and cure piston slaps. Motors equipped with them accelerate more rapidly and throttle down lower.
Made of high grade material, not affected by the heat of the motor, and will retain their resiliency indefinitely. Ship. wt., each 2 oz.; Per doz. 1 lb. **Our Reduced Price**
K8075—Expanders for any 1/4-inch ring, each..... **9c**
K8076—For any 1/2-inch rings, (Ford size), each..... **9c**
K8077—Expanders for any 3/4 inch ring, each..... **9c**
Any of the above sizes per dozen..... **.85**

Cylinder Lapping Compound

For fitting pistons and piston rings accurately in half the time usually required. Breaks down under use leaving a fine powder that produces a highly polished finish. With this compound anyone can fit piston and rings as well as a mechanic.
H7456—Cylinder Compound, with full instructions. (Ship. wt., 8 oz.)..... **.55**

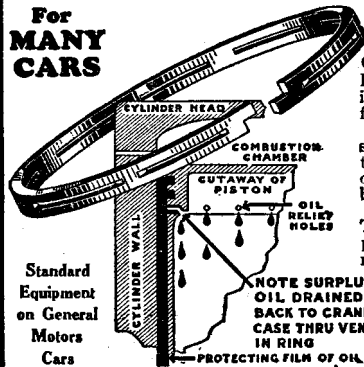


Piston Ring Compressor 15c

With this compressor, piston rings can be set quickly. A slight pressure is enough to compress even the stiffest rings. Fits rings from 3 to 4 in. diam.
H7557—Ring Compressor (Shipping wt., 8 oz.)..... **.15**



For MANY CARS



Ventilated Piston Rings

Now used as standard factory equipment on many cars. The popular General Motors line uses them almost exclusively. They eliminate carbon knocks and practically all carbon deposit, reduce the dilution of the oil in the crank case, prevent oil pumping and fouled spark plugs, develop the full power of the motor, give longer life to the engine, and save oil.
They have 8 vents which furnish a reservoir for oil on the cylinder walls so the piston rings and cylinder walls are always tightly sealed and protected by a film of oil. Excess oil is drained back to the crankcase through oil vent holes drilled in the pistons. No oil passes the rings, none is burned, none is wasted.
Made of the best piston ring iron—very springy, elastic, and durable. They are of the quick seating type. These are the ideal ring to give you a powerful, "peppy", economical, and quiet motor. Only one ventilating ring required to each piston. Ship. wt., each 2 oz.

NOTE SURPLUS OIL DRAINED BACK TO CRANK CASE THRU VENT IN RING	K8153—Ford size, 3 1/4 x 1/4, Regular.....	Each Set of 4	.19	.69
	K8154—Ford size, 3 1/4 x 1/4, .0025 Oversize.....		.19	.69
	K8155—Ford size, 3 1/4 x 1/4, .005, Oversize.....		.19	.69
	K8156—Ford size, 3 1/4 x 1/4, .031, Oversize.....		.19	.69

Any Size, Listed Below, each **.19**; Set of 4 **.69**; Set of 6 **.98**

K8157A—2 1/4 x 1/4, .0025 O. S.	K8157D—3 1/4 x 1/4, .0025 O. S.	K8157F—3 1/4 x 1/4, .0025 O. S.
K8157B—3 1/4 x 1/4, .0025 O. S.	K8157E—3 1/4 x 1/4, .0025 O. S.	K8157G—3 1/4 x 1/4, .0025 O. S.
K8157C—3 1/4 x 1/4, .0025 O. S.		

New Improved Oil Groove Piston Rings

A set of these rings in your car will show you a marked increase in power, a considerable saving in gasoline and oil, and comparative freedom from carbon. Your car will be far more economical and will run smoother than if you install ordinary rings.

The step-cut and oil-groove features of these rings is a standard, recognized practice in piston ring construction. The oil-groove holds a film of oil between the piston ring and the cylinder wall keeping the wall always oiled and forming a gas-proof seal, so that you obtain better compression. This saves gasoline and gives more power, together with smooth running and less carbon. The rounded upper edge of the ring slides up over the oil on the cylinder walls, insuring proper lubrication of the entire piston ring. Following the latest improvement in piston ring construction the bearing surface of these rings against the cylinder walls is cut down (in Ford sizes almost one-half) so that friction is reduced.

New Improved OIL-GROOVE rings are made of gray cast-iron of the best quality and finest grain, and are strong, springy and durable. They are quick-seating and accurate and uniform in size.

Although one ring on each piston will make a great improvement for a "sweet" sounding, powerful, and economical motor we recommend a full set. Ship. wt., each 4 oz.

- K7982—Ford size, regular, 3 1/4 x 1/4..... **.16**
- K7988—Ford size, 3 1/4 x 1/4 plus .0025 oversize..... **.16**
- K7989—Ford size, 3 1/4 x 1/4 plus .005 oversize..... **.16**
- K7985—Ford size, 3 1/4 x 1/4 plus .031 oversize..... **.16**
- K7986—Ford size, 3 1/4 x 1/4 plus .033 oversize..... **.16**

OIL GROOVE RINGS FOR ALL CARS

All the following sizes are furnished in .0025 oversize to allow for slightly worn cylinders. If they are a little too large, just touch up the joints with a file until they fit satisfactorily.

- | | | | |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| X8719—2 1/4 x 1/4..... .16 | X8722—2 1/4 x 1/4..... .16 | X8727—3 1/4 x 1/4..... .16 | X8731—3 1/4 x 1/4..... .16 |
| X8728—3 1/4 x 1/4..... .16 | X8723—2 1/4 x 1/4..... .16 | X8728—3 1/4 x 1/4..... .16 | X8732—3 1/4 x 1/4..... .16 |
| X8737—3 1/4 x 1/4..... .16 | X8725—3 1/4 x 1/4..... .16 | X8729—3 1/4 x 1/4..... .16 | X8733—3 1/4 x 1/4..... .16 |
| X8721—2 1/4 x 1/4..... .16 | X8726—3 1/4 x 1/4..... .16 | X8730—3 1/4 x 1/4..... .16 | X8736—4 x 1/4..... .16 |

Piston Rings for Ford Cars



Mitre-Cut Piston Rings.

The material used in these rings is a secret mixture of metals, resulting in a springy ring not affected by heat, and a close grain that adds strength and long-wearing qualities, besides reducing friction materially. Shipping weight, each, 4 oz. **Our Reduced Price**

- K7960—Mitre-Cut Ring, regular size..... **9c**
- K7961—Mitre-Cut Ring, .0025 oversize..... **9c**
- K7962—Mitre-Cut Ring, .031 oversize..... **9c**



Step-Cut Piston Rings

The Step-Cut ring holds compression much better than the regular open type. The quality of our rings cannot be excelled by any ring on the market—you can depend on them for service. Shipping weight, each, 4 oz.

- K7966—Step-Cut Ring, regular size..... **.11**
- K7967—Step-Cut Ring, .0025..... **.11**
- K7969—Step-Cut Ring, .005 oversize..... **.11**
- K7968—Step-Cut Ring, .031 oversize..... **.11**
- K7970—Step-Cut Ring, .033 oversize..... **.11**

Step Cut Piston Rings for All Cars

High-grade rings in all popular sizes. Well-made of best material, accurately machined to the proper size. All rings are furnished in .0025 oversize to allow for a slightly worn motor. If the ring is too large you can cut it down by filing the ends a little. Shipping weight, each 4 oz.

- | | | | | | |
|--------|-------------|-------|--------|-------------|-------|
| Number | Size | Price | Number | Size | Price |
| K8255 | 2 1/4 x 1/4 | .12 | K8259 | 2 1/4 x 1/4 | .12 |
| K8275 | 3 1/4 x 1/4 | .12 | K8260 | 2 1/4 x 1/4 | .12 |
| K8256 | 3 1/4 x 1/4 | .12 | K8262 | 3 1/4 x 1/4 | .12 |
| K8257 | 3 1/4 x 1/4 | .12 | K8263 | 3 1/4 x 1/4 | .12 |
| K8258 | 2 1/4 x 1/4 | .12 | K8264 | 3 1/4 x 1/4 | .12 |
| K8265 | 3 1/4 x 1/4 | .12 | K8269 | 3 1/4 x 1/4 | .12 |
| K8266 | 3 1/4 x 1/4 | .12 | K7967 | 3 1/4 x 1/4 | .12 |
| K8267 | 3 1/4 x 1/4 | .12 | K8272 | 4 x 1/4 | .12 |
| K8268 | 3 1/4 x 1/4 | .12 | K8274 | 4 1/4 x 1/4 | .12 |

Genuine "No-Leak-O" Oil Sealing Rings



One of the best known and most popular rings. Millions are in daily use. Endorsed by engineers, manufacturers, and mechanics. The Oil-Sealing groove at the bottom of the ring fills with oil so that there is a film of pulsating oil between the piston ring and the cylinder wall. This film prevents loss of compression, gas, and power even though the cylinder walls are warped and scratched.

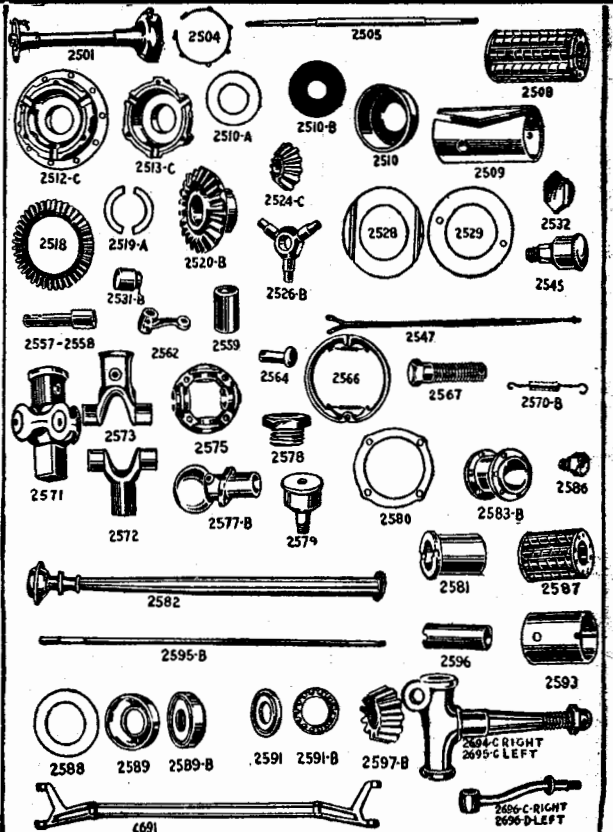
No-Leak-O rings are made of a special gray iron. They are individually cast and accurately finished and will give much longer service than ordinary rings. One in the top groove of each piston will make a big improvement—a full set will renew the compression, power and economy of your motor. Ship. wt., 4 oz. each.

- K7991—Ford Size, Reg. 3 1/4 x 1/4..... **.35**
- K7992—Ford Size, 3 1/4 x 1/4 plus .0025 oversize..... **.35**
- K7994—Ford Size, .005 oversize..... **.35**
- K7993—Ford Size, .031 oversize..... **.35**
- K7995—Ford Size, .033 oversize..... **.35**
- K8057—3 1/4 x 1/4..... **.35**
- K8058—3 1/4 x 1/4..... **.35**
- K8049—3 1/4 x 1/4..... **.35**
- K8048—3 1/4 x 1/4..... **.35**
- K8047—3 1/4 x 1/4..... **.35**
- K8055—3 1/4 x 1/4..... **.35**
- K8056—3 1/4 x 1/4..... **.35**
- K8061—3 1/4 x 1/4..... **.40**
- K8063—3 1/4 x 1/4..... **.40**
- K8064—3 1/4 x 1/4..... **.40**
- K8059—3 1/4 x 1/4..... **.40**
- K8066—4 x 1/4 Fordson..... **.40**

All rings, except Ford size, are .0025 oversize to allow for slightly worn cylinders.

REDUCED PRICES PARTS FOR FORD CARS

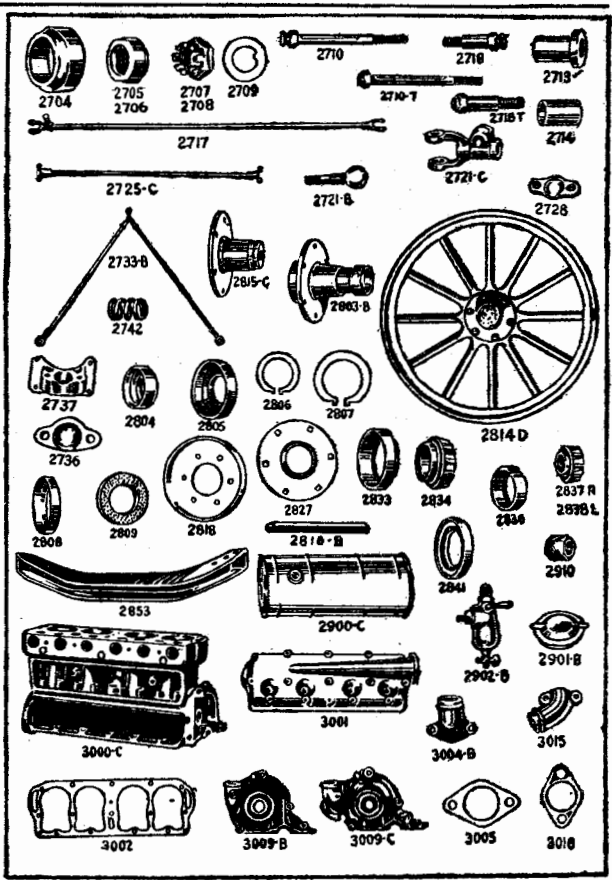
- 2501— Axle housing—right (24 lbs.) 6.45
- 2502— Axle housing—left (24 lbs.) 6.45
- 2503E Axle hous. bolt & nut, (wt. 2 oz.) "All" 90c
- 2504— Gask. paper axle hous. "All" 90c
- 2505— Rear Axle Shaft, "All" (7 lbs.) 4.25
- 2506— Axle shaft fibre washer. . . . 4.25
- 2507— Axle shaft nut, "All" (2 oz.) 4.25
- 2508— Rear axle roller bearing, (wt. 1 1/4 lbs.) "All" 4.80
- 2509— Roller bearing sleeve—right, (wt. 6 oz.) "All" 1.12
- 2509B Roller bearing sleeve—left, (wt. 6 oz.) "All" 1.12
- 2510— Axle hous. cap, '09-19 (2 oz.) "All" 90c
- 2510 1/2 Axle hous. cap, '19-27 (1 oz.) 90c
- 2510A Axle outer R. B. steel washer, (wt. 1 oz.) "All" 40c
- 2510B Axle felt washer (1 oz.) "All" of cork, "All" (1 oz.) 40c
- 2510C Same as 2510B, except made of cork, "All" (1 oz.) 40c
- 2512C Left diff. case, "All" (4 lbs.) 1.65
- 2513C Right diff. case, "All" (2 1/4 lbs.) 1.65
- 2514B Diff. case, stud and nut, 1915-21 (wt. 1 oz.) 50c
- 2514C Diff. case bolt and nut, '22-27 50c
- 2518— Diff. drive gear—40 teeth "All" (wt. 3 lbs.) 1.85
- 2519— Diff. drive gear screw, "All" (wt. 1 oz.) 20c
- 2519A Diff. gear lock, "All" (2 oz.) 20c
- 2520B Diff. gear—24 teeth, "All" (wt. 1 1/2 lbs.) .90
- 2521B Diff. gear key, "All" (2 oz.) 40c
- 2524C Diff. pinion—12 teeth, "All" 50c
- 2526B Diff. spider, "All" (15 oz.) 50c
- 2528— Diff. thrust plate, babbitt, "All" (wt. 5 oz.) 1.14
- 2528 1/2 Diff. thrust plate, bronze, "All" (wt. 6 oz.) 2.22
- 2529— Diff. thrust plate, steel, "All" (wt. 4 oz.) 80c
- 2531B Diff. thrust plate pin, '17-27 80c
- 2532— Diff. hous. oil plug, "All" (2oz.) 90c
- G7014 Axle grease cup, "All" (2 oz.) 90c
- 2547— Rear radius rod, '09-27, (4 1/2 lbs.) .90
- 2548— Radius rod nut, '09-27, (1 oz.) 30c
- 2549— Radius rod locknut, "All" (1oz.) 30c
- 2550— Rad. rod lock wash., "All" (1oz.) 10c
- 2551— Rad. rod bolt & nut, "All" (2oz.) 16c
- 2557— Hub camshaft—rt., '09-25 (3oz.) 80c
- 2558— Hub camshaft—lt., '09-25 (3oz.) 80c
- 2559— Hub C. S. bushing, '09-25 (1 oz.) 40c
- 2562— Hub C. S. lever, '09-25 (2 oz.) 40c
- 2563— Hub C. S. lever pin, '09-25 (1 oz.) 20c
- 2564— Lever clevis pin, "All" (1 oz.) 20c
- 2566— Hub brake shoe. . . . See Page 86
- 2567— Brake shoe sup. bolt & nut, "All" (wt. 3 oz.) 30c
- 2568— Brake shoe support nut, "All" (wt. 1 oz.) 30c
- 2570B Brake shoe coil spring, 1909-25 (wt. 1 oz.) 20c
- 2571— Universal joint assembly, "All" (wt. 3 lbs.) 1.45
- 2572— Joint knuckle (male) "All" (wt. 1 lb.) 1.45
- 2573— Joint knuckle (female) "All" (wt. 1 lb.) 1.45
- 2574— Joint knuckle pin, "All" (wt. 1 oz.) 10c
- 2575— Joint ring, complete, "All" (wt. 1 lb.) 1.45
- 2576— Joint ring rivets (per set of 4) "All" (wt. 2 oz.) 80c
- 2577B Joint housing (wt. 3 lbs.) 1914-26. . . . 1.85
- 2578— Joint housing plug, "All" (wt. 1 oz.) 10c
- 2579— Ball joint grease cup, "All" (wt. 3 oz.) 1.25
- 2580B Ball cap gasket, cork, "All" (wt. 1 oz.) 10c
- 2581— D. S. housing front bushing, "All" (wt. 5 oz.) 1.25
- 2582— D. S. tubing, "All" (wt. 20 lbs.) 1.25
- 2583— D. S. R. B. housing, 1909-20. . . . 1.25
- 2583B D. S. R. B. housing, 1920-27 (wt. 2 1/2 lbs.) 1.25
- 2584B D. S. R. B. cap screw, 1912-27 (wt. 3 oz.) 40c
- 2586— D. S. R. B. housing set screw, '11-21, (2 oz.) 40c
- 2587— D. S. roller bearing, "All" (wt. 1 1/4 lbs.) 4.45
- 2588— D. S. R. B. distance plate, '11-21 (wt. 2 oz.) 40c



- 2589— D. S. ball race 1911-21 (wt. 10 oz.) 1.16
- 2589B D. S. ball bearing assembly, '11-21 (wt. 10 oz.) 1.68
- 2590— D. S. ball retainer, 1911-21 (wt. 1 oz.) 1.17
- 2591— D. S. ball thrust collar, 1911-27 (wt. 3 oz.) 1.17
- 2591B D. S. thrust ball & retainer assem. '20-27 (2 oz.) 1.17
- 2592— D. S. ball bearings, each, 1911-21. . . . 1.26
- 2593— D. S. roller bearing sleeve, 1911-21. . . . 1.26
- 2595B Drive shaft only, "All" (wt. 14 lbs.) 4.25
- 2596— D. S. sleeve, "All" (wt. 12 oz.) 4.25
- 2597B D. S. pinion, st'n'd 11 tooth, "All" (wt. 9 oz.) 4.25
- 2597C D. S. pinion low gear, 10 tooth, "All" (9 oz.) 4.25
- 2598— D. S. castle nut, "All" (wt. 2 oz.) 4.25
- 2598B D. S. pinion key, "All" (wt. 2 oz.) 4.25
- 2691— Front axle only, "All" (wt. 22 1/2 lbs.) 6.45
- 2694— Spindle body—right, 1911-25 (wt. 3 lbs.) with cones, washer and nut for ball bearings 1.24
- 2694B Spindle body right without cones and washer for use with roller bearings 1911-25, (3 lbs.) 1.05
- 2694C Spindle body only, right, 1926-27. . . . 1.25
- 2695— Spindle body—left, 1911-25 (wt. 3 lbs.) with cones, washer & nut for ball bearings 1.24
- 2695B Spindle body left, without cones and washer, for use with roller bearings 1911-25 (3 lbs.) 1.05
- 2695C Spindle body only, left, 1926-27. . . . 1.05
- 2696C Spindle arm—right, 1919-27, (wt. 12 oz.) 1.05
- 2696D Spindle arm—left, 1919-27 (wt. 12 oz.) 1.05
- 2697— Spindle arm nut, "All" (wt. 2 oz.) 40c

REPAIR PARTS FOR FORD CARS

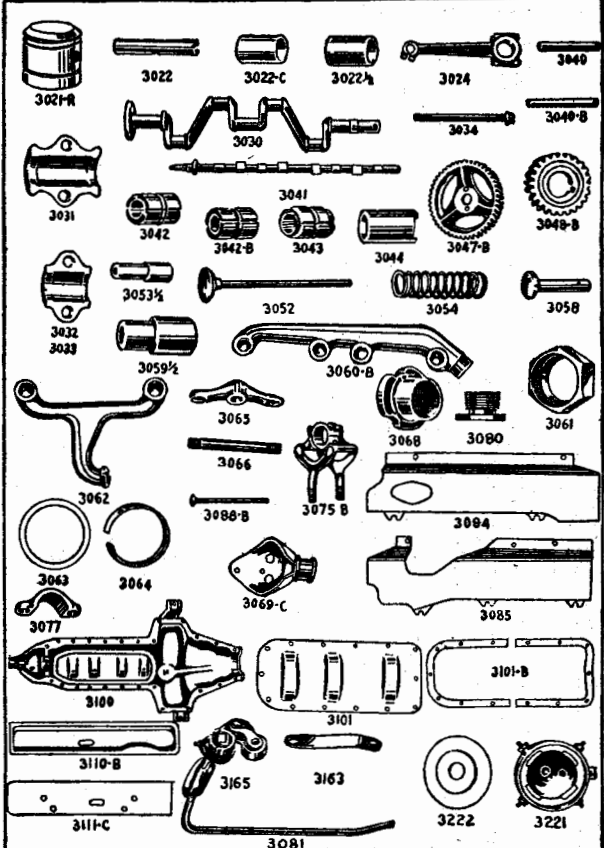
- 2704— Stationary cone, "All" (4oz.) 1.12
- 2705— Adjust. cone, right, "All" (4oz.) 1.10
- 2706— Adjust. cone, left, "All" (4oz.) 1.10
- 2707F Spindle nut, right, "All" (2oz.) 60c
- 2708L Spindle nut, left, "All" (2oz.) 60c
- 2709— Spindle wash., "All" (2 oz.) 20c
- G7016 Grease cup for bolt, "All" 4c
- 2710— Spindle bolt with cap oiler, "All" (wt. 8 oz.) 1.13
- 2710T Spindle bolt threaded for grease cup, (8 oz.) 1.13
- 2711— Spindle bolt nut, "All" (2oz.) 1.13
- 2713— Spindle body bushing, (wt. 2 oz.) "All" each. 80c
- 2714— Spindle arm bushing, "All" Set 6 bushings (2—2714, 4—2713), (wt. 6 oz.) 20c
- G7016 Grease cup, "All" (wt. 2oz.) 4c
- H7373 Reamer for 2713-14. See page 111
- 2717— Spindle con. rod, 4 3/8" long, "All" (wt. 3 1/2 lbs.) 1.28
- 2718— Spindle arm bolt with cap oiler, "All" (wt. 4 oz.) 1.10
- 2718T Spindle arm bolt, threaded for grease cup, "All" 1.12
- 2719— Spindle con. rod bolt nut, "All" (wt. 3 oz.) 20c
- 2721B Spindle con. rod yoke ball, 1017-27 (wt. 4 oz.) 1.16
- 2721C Spindle con. rod yoke, 1919-27 (wt. 6 oz.) 1.32
- 2725C Steer. gear con. rod, '09-27. 1.05
- 2728— Ball sock, cap, "All" (2 oz.) 90c
- 2729B Ball sock, bolt & nut, "All" (2oz.) 90c
- 2733— Front rad. rod, '09-19 (10 lbs.) 1.10
- 2734— Front rad. rod, '19-27 (10 lbs.) 1.10
- 2734B Front rad. rod nut, '09-19 (2 oz.) 40c
- 2736— Front rad. rod ball cap, "All" (2oz.) 80c
- 2737— Frt. rad. rod ball socket, '11-24 (1 lb.) 2.26
- 2737B Fr. rad. ball socket, '24-27 (1 lb.) 2.26
- 2741— Radius ball cap stud and nut, "All" (wt. 4 oz.) 40c
- 2742— Rad. rod ball cap spring, "All" (2 oz.) 20c
- 2800D Front wheel less hub, 30x3 (17 lbs.) 2.80
- 2803— Front hub complete with ball bearings, less flange, "All" (wt. 5 lbs.) 1.18
- 2803B Front hub with roller bearing cups 1.18
- 2804— Outer race, (2 oz.) "All" 7c
- 2804A Outer race assem. with balls, "All" (wt. 2 oz.) 2.24
- 2806— Inner race, "All" (wt. 5 oz.) 1.10
- 2805A Inner race assem. with balls, "All" (wt. 1 lb.) 1.32
- 2806— Outer ball retainer, "All" (wt. 2 oz.) 20c
- 2807— Inner ball retainer, "All" (wt. 2 oz.) 20c
- 2808— Dust ring, steel 2 1/2" dia., "All" (wt. 2 oz.) 20c
- 2809— Front and rear hub felt washer, "All" 20c
- 2810— Large balls, 1 1/2" each, "All" 20c
- 2811— Small balls, 3/4" each, "All" 20c
- 2814D Rear wheel less hub, 30x3 1/2 (17 lbs.) "All" 2.80
- 2815C REAR HUB less flange, "All" (4 lbs.) 1.89
- W8396 Black demountable wheel for 29x4.40 Ford balloon tire (wt. 18 lbs.) "All" 2.75
- W8397 28x3 1/2 Dem. rim with lugs attached for 29x4.40 Ford ball tires (wt. 12 lbs.) "All" 1.18
- W8399 30x3 1/2 Dem. rim, Hays (clincher) lugs attached (wt. 12 lbs.) 1.18
- W8401 Black demountable wheel without rim or hub, size 30x3 1/2, each (18 lbs.) "All" 2.75
- 2816B Rear hub key, "All" (wt. 2 oz.) 30c
- 2818— Rear hub brake drum, (wt. 3 lbs.) 1909-25. 3.24
- 2815D Hub cap, "All" nickel (wt. 4 oz.) 30c
- 2820— Hub bolt and nut, "All" (wt. 2 oz.) 30c
- 2827— Hub flange, "All" (wt. 1 1/2 lbs.) 1.14
- 2828— Rear hub lock nut, "All" (wt. 2 oz.) 30c
- 2832— Front hub R. B. cup, inner 1919-27 (wt. 4 oz.) 40c
- 2834— Inside cone and roller assem., '19-27 (1 lb.) 6.00
- 2836— Front hub R. B. cup, outer, '19-27 (wt. 6 oz.) 6.00
- 2837— Outside cone and roller, right thread, '19-27 6.00
- 2838— Outside cone and roller, left thread, '19-27 6.00
- 2841— Dust ring and felt washer assembly, '19-27 6.00
- 2842— Front cross member, "All" (wt. 4 lbs.) 7.00
- 2843B Rear cross member, 1914-25, "All" (wt. 8 lbs.) 6.00
- 2845— Front corner bracket, right, "All" (wt. 8 oz.) 6.00
- 2847— Front corner bracket, left, "All" (wt. 8 oz.) 6.00
- 2848— Rear corner bracket, right, '09-25 (wt. 8 oz.) 6.00
- 2849B Gasoline tank (square) 1916-25. . . . 5.40



- 2900C Gas tank, (oval) 10 gals. (wt. 20 lbs.) "All" 3.55
 - 2901— Gas tank cap, 2 1/2", "All" (wt. 2 oz.) 80c
 - 2901B Gas tank cap, new style, "All" 1.12
 - 2902B Sed. bulb, with pet cock 1909-25 (wt. 1 lb.) 1.12
 - 2908— Pet cock, brass (wt. 2 oz.), 1909-25. . . . 1.12
 - 2910— Feed pipe pack nut, "All" (wt. 2 oz.) 40c
 - 3000C New cylinder block fitted for starter, "All" (wt. 86 lbs.) (unavailable) 17.95
- Note—When ordering cylinder block for old style car not equipped with starter, also order one each, 3008, 3011, 3016, 3017B and 3017C, "All".
- 3001— Cylinder head, "All" (wt. 35 lbs.) 4.45
 - 3002— Cylinder head gasket, "All" See Page 92
 - 3003— Cyl. head cap screw, 1909-17, 2 1/2" long. 40c
 - 3003B Cyl. head cap screw, 1918-27, 3 1/4" long. 40c
 - H7316 Cyl. head cap screw, 1 1/2" oversize, 1909-17 1.10
 - H7317 Cyl. head cap screw, 1 1/2" oversize, 1918-27 1.10
 - 3004— Cyl. head outlet con., 1909-18, (wt. 11 oz.) 2.24
 - 3004B Cyl. head outlet con., 1917-25, (wt. 11 oz.) 2.24
 - 3004E Cyl. head outlet con., 1926-27 (1 lb.) 2.24
 - 3005— Cyl. head outlet con. gasket, "All" (wt. 1 oz.) 30c
 - 3008— Cyl. head outlet con. screw, "All" (wt. 2 oz.) 30c
 - 3009B Cyl. front cover, 1909-19 (wt. 2 lbs.) 8.85
 - 3009C Cyl. front cover, 1919-27, (wt. 2 lbs.) 8.85
 - 3010— Cyl. cover bolt and nut, "All" (1 oz.) 30c
 - 3011— Cyl. cover cap screw, "All" (wt. 2 oz.) 30c
 - 3012B Cyl. cover cork, "All" (wt. 2 oz.) 30c
 - 3013— Cyl. cover liner, paper 1909-19. . . . 2.00
 - 3013B Cyl. cover liner, paper, starter type, 1919-27 2.00
 - 3014— Cyl. cover and c. c. bolt and nut, "All" (wt. 2 oz.) 30c
 - 3015— Cyl. water inlet connection, "All" (wt. 12 oz.) 3.22
 - 3016— Cyl. inlet con. screw, "All" (wt. 3 oz.) 30c
 - 3017— Time gear cover, '19-28, starter type (wt. 1 lb.) 3.84
 - 3017B Time gear cover (for use with old models) 3.84
 - 3017C Time gear cover gasket, 1919-28. . . . 1.00
 - 3017D Time gear cover plate, 1919-28. . . . 1.00
 - 3018— Cyl. water inlet gasket, "All" (wt. 2 oz.) 30c
 - 3019B Cyl. water jacket plug, "All" 20c

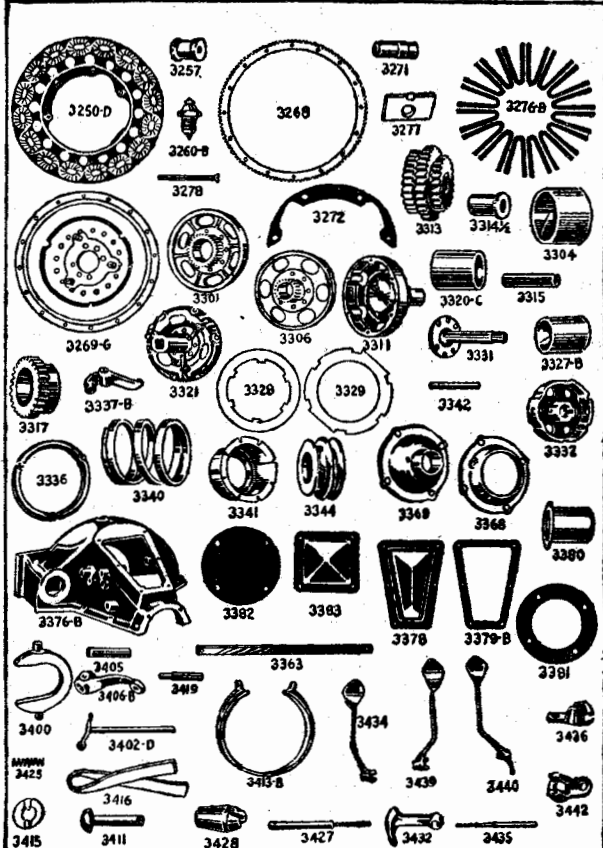
"All" indicates that part fits all models. If year of car is unknown, give motor number.

- 3020— Pistons without rings. See page 94
- 3022— Piston pin, "All" (wt. 4 oz.) .16
- 3022B Piston pin, .003 oversize. .16
- 3022½ Piston pin bushing, '09-23 pair, (3 oz.) .16
- 3022C Piston pin bushing, '23-27, pair (2 oz.) .16
- H7374 Reamer for 3022½. See Page 111
- 3023— Piston rings. See Pages 94 and 95
- 3024— Connecting rod, compl. See Page 93
- 3025— Connecting rod cap bolt and nut, "All" (wt. 2 oz.) 5c
- 3026— Connecting rod cap bolt nut, "All" (wt. 2 oz.) 3c
- 3028X Connecting rod shim, "All" 1c
- 3029— Connecting rod clamp screw, "All" (wt. 2 oz.) 3c
- 3030— CRANK SHAFT, "All" (wt. 17 lbs.) 6.45
- 3031— C. S. rear bearing cap, "All" (1 lb.) .42
- 3032— C. S. front bearing cap, "All" (10 oz.) .34
- 3033— C. S. center bearing cap, "All" (10 oz.) .34
- 3034— C. S. bearing bolt—center and front, ½"x6¼", "All" (6 oz.) 7c
- 3035— C. S. bearing bolt nut, "All" (wt. 2 oz.) 3c
- 3036— C. S. rear bearing bolt, "All" (wt. 4 oz.) 7c
- 3038— C. S. bearing shim—center and front, "All" 1c
- 3039— C. S. rear bearing shim "All" 1c
- 3040— C. S. starting pin, (2 oz.) 3c
- 3040B C. S. start. pin, '20-27(2 oz.) 3c
- 3041— CAM SHAFT, "All" (wt. 3½ lbs.) 2.68
- 3042— Cam shaft front bearing, babbitt lined, "All" (wt. 6 oz.) .35
- 3043— Cam shaft center bearing, babbitt lined, "All" (wt. 6 oz.) .35
- 3044— Cam shaft bearing, "All" (3 oz.) .11
- 3045— Cam shaft bearing ring, "All" (wt. 2 oz.) 3c
- 3046— Camshaft bearing set screw, "All" (wt. 1 oz.) 3c
- 3047B Time gear—large, spiral, "All" (wt. 2 lbs.) .69
- 3048B Time gear—small, spiral, "All" (wt. 1 lb.) .49
- 3049— Cam shaft gear dowel pin, "All" (wt. 2 oz.) 2c
- 3050B Cam shaft gear lock nut, "All" (wt. 2 oz.) 9c
- 3051— Small time gear key, "All" 3c
- 3052— Valve, exhaust and inlet, "All" (3 oz.) 9c
- 3052B Valve, ¼ oversize stem, "All" .10
- See page 116 for Super Quality Steel Valve
- H7376 Reamer for installing O. S. valve. See page 111
- 3053½ Valve bushing, "All" (2 oz.) 2c
- 3054— Valve spring, "All" (2 oz.) 2c
- 3056— Valve spring seat, set of 8, "All" (wt. 2 oz.) 4c
- 3057— Valve springs set pin, per set of 8, "All" (2 oz.) 4c
- 3058— Push rod, "All" (2 oz.) 4c
- 3058B Push rod, ¼ oversize stem, "All" (2 oz.) 4c
- 3059½ Push rod bushing iron, "All" (wt. 2 oz.) 9c
- 3060B Exhaust manifold, 1913-26, (wt. 4½ lbs.) 1.12
- 3061— Exhaust pipe pack nut, "All" (4 oz.) 1.15
- 3062— Inlet pipe, "All" (wt. 2¼ lbs.) .85
- 3063— Inlet and ex. pipe gasket, "All" (wt. 1 oz.) .7c
- 3064— Inlet and exhaust pipe gland, "All" (wt. 2 oz.) 1c
- 37729 Combination of 3063 and 3064 gasket and gland, (wt. 2 oz.) "All" 7c
- 3065— Inlet and exhaust pipe clamp, "All" (wt. 4 oz.) 4c
- 3066— Inlet and exhaust clamp stud and nut, "All" (wt. 2 oz.) 5c
- 3068— Breather pipe cap, "All" (wt. 2 oz.) 7c
- 3069B Crank case front end support, (wt. 1½ lbs.) 1911-17. .90
- 3069C Crank case front end support, (wt. 1½ lbs.) 1917-24. .67
- J3070 Crank case and cyl. gasket, cork—L, "All" 3c
- J3071 Crank case and cyl. gasket, cork—R, "All" 3c
- 3072— Crank case and cyl. cover cap screw, (wt. 2 oz.) "All" 3c
- 3073— Crank case arm bolt and nut, side, "All" (2 oz.) 3c
- 3074— Crank case arm bolt and nut, top, "All" (2 oz.) 4c
- 3075C Crank case front bearing and spring clip with bearing cap, '21-26, (wt. 2 lbs.) .79
- 3076— Crank case front bearing, 1909-20. .45



- 3076C Crank case iron bearing and spring cap nut, 1921-27. 4c
- 3077— Crank case front bear. cap, iron, "All" (2 oz.) .10
- 3078— Crank case front bear. screw, '09-21 (2 oz.) .14
- 3078B Crank case front bear. screw, '21-26 (2 oz.) .12
- 3079— Crank case oil cock, "All" (wt. 2 oz.) .12
- 3080— Crank case drain cup plug, "All" (wt. 2 oz.) .25
- 3080B Crank case drain cup plug gasket, "All" .25
- 3081— Crank case oil tube, "All" (6 oz.) .16
- 3083— Crank case arm block, "All" (wt. 2 oz.) .4c
- 3084— Engine pan—right, "All" (wt. 2 lbs.) .24
- 3085— Engine pan—left, "All" (wt. 2 lbs.) .24
- 3088B Engine pan and hood board bolt and nut, "All" (wt. 2 oz.) 3c
- 3088C Engine pan and hood board bolt and nut, "All" (wt. 2 oz.) 3c
- 3100— Crank case with lower cover, "All" (wt. 25 lbs.) 9.90
- 3101— Crank case lower cover, 1912-23. .90
- 3101B C. C. lower cover reinforcement, 1912-23. .90
- 3101C C. C. lower cover, 1924-27. .90
- 3101D C. C. lower cover reinforcement, 1924-27. .90
- 3102B Crank case lower cover gasket—cork, 12-24 .90
- 3103— Crank case lower cover screw, "All" .2c
- 3110— Cylinder valve cover, (2 oz.) 1912-20. .12
- 3110B Cylinder valve cover, 1921-26. .12
- 3111B Cylinder valve cover gasket—cork 1912-20 .16
- 3111C Cylinder valve cover gasket—cork 1921-27 .16
- 3112— Cylinder valve cover screw (2 oz.), "All" .5c
- 3114— Crank case arm with rivets, "All" (wt. 1 lb.) .4c
- 3162— Com. case support bolt, 1912-19 (wt. 2 oz.) .4c
- 3162B Com. case support bolt—starter type, 1919-27 (wt. 2 oz.) .4c
- 3163— Com. case spring, "All" (wt. 2 oz.) .16
- 3165— Com. brush assembly, "All" (3 oz.) .16
- 3177— Com. felt ring, "All" .10
- 3206— Com. brush cap, "All" .10
- 3207— Com. brush cap pin, "All" .10
- 3210— Com. contact point nut, "All" .10
- 3220— Com. lock nut, "All" .10
- 3222— Com. metal shield, "All" .10

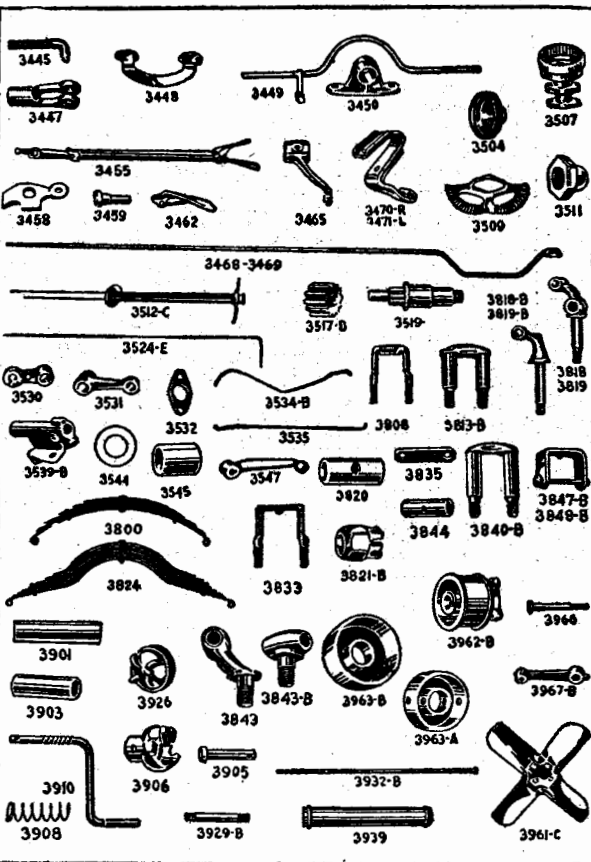
- 3260D Magneto coil assembly, 1915-27, (wt. 10 lbs.) 5.45
- 3252— Magneto spool support screw, "All" (wt. 2 oz.) 3c
- 3254— Magnet bolt, ¾"x1½", "All" (wt. 2 oz.) 3c
- 3255— Magnet bolt washer, "All" 1c
- 3257— Magnet brass support, "All" (wt. 2 oz.) 4c
- 3260— Magneto contact assembly, 1909-25 (wt. 2 oz.) .16
- 3261B Magneto contact nut, "All" 1c
- 3261C Magneto contact screw washer, "All" 1c
- 3262— Magneto contact spring, "All" (wt. 2 oz.) 4c
- 3266— Magneto contact fiber screw, "All" 1c
- 3268— Fly wheel ring gear for starter, "All" (wt. 5 lbs.) .84
- 3269C Fly wheel less magnets, 1911-19. 5.35
- 3269G Fly wheel only, starter type, '19-27 (wt. 20 lbs.) 4.55
- 3270— Fly wheel cap screw, "All" (wt. 2 oz.) 6c
- 3271— Fly wheel dowel pin, "All" (wt. 2 oz.) 4c
- 3272B Magneto coil support shim, "All" 1c
- 3276B Magnet (16, per set, 1915-26 set (wt. 18 lbs.) 3.45
- 3277— Magnet clamp, 1911-25, "All" (wt. 2 oz.) 3c
- 3278— Magnet clamp screw, "All" (wt. 2 oz.) 2c
- 3279— Magneto-contact washer, "All" (wt. 2 oz.) 1c
- 3301— Trans. reverse plate assembly, "All" (wt. 5 lbs.) 2.18
- 3304— Trans. reverse gear bushing, "All" (wt. 10 oz.) .35
- 3305— Trans. reverse and S.S. rivet, "All" (wt. 2 oz.) dozen. 4c
- 3306— TRANS. SLOW SPEED PLATE ASSEMBLY, "All" (wt. 5 lbs.) 2.05
- 3309— Trans. slow speed gear bush. "All" (wt. 5 oz.) .26
- 3310— Trans. brake drum rivet, (wt. 2 oz.) doz. 4c
- 3311— TRANS. BRAKE DRUM ASSEMBLY, 1909-25 (wt. 6 lbs.) 2.35
- 3313— TRANS. TRIPLE GEAR ASSEMBLY, "All" (wt. 3 lbs.) 1.18
- 3314½ Trans. triple gear flngd. bushing, "All" (4 oz.) .56
- 3315— Trans. triple gear shaft, "All" (wt. 4 oz.) .56
- 3317— Trans. driven gear, "All" (wt. 1 lb.) .15
- 3318— Trans. driven gear key, "All" (wt. 4 oz.) .15
- 3320C Trans. driven gear sleeve bushing, "All" (3 oz.) .15
- 3320D Driven gear sleeve washer (3 to car, must be used with 3311) "All" (wt. 2 oz.) 3c
- 3321— TRANS. DRIVING PLATE ASSEMBLY, 1909-25 (wt. 5 lbs.) 2.95
- 3323— Trans. driving plate screw, '09-25 (wt. 2 oz.) 3c
- 3326— Trans. driving plate rivet, "All" ½"x¾", per dozen, (wt. 2 oz.) 4c
- 3327B Trans. driving plate bushing, "All" (wt. 2 oz.) .12
- 3328— Trans. thrust plate—small, "All" (wt. 3 oz.) 8c
- 3329— Trans. thrust plate—large, "All" (wt. 3 oz.) 8c
- 3331— Trans. gear shaft, "All" (wt. 3 lbs.) 1.18
- 3332— Trans. clutch disc drum, "All" (wt. 2 lbs.) .98
- 3333— Trans. clutch disc drum key, "All" (wt. 2 oz.) 4c
- 3334— Trans. clutch disc drum set screw, "All" (2 oz.) 6c
- 3336— Trans. clutch push ring, "All" (wt. 1 lb.) .28
- 3337— Trans. clutch finger, '09-25 (wt. 3 oz.) .14
- 3337½ Trans. clutch finger screw, 1909-25. 4c
- 3338— Trans. clutch finger pin, 1909-25 (wt. 1 oz.) 1c
- 3340— Trans. clutch spring, "All" (wt. 1 lb.) .19
- 3341— Trans. clutch spring support, "All" (wt. 4 oz.) .19
- 3342— Trans. clutch spring thrust ring pin, "All" .2c
- 3344— Trans. clutch shift, "All" (wt. 1½ oz.) .45
- 3352— Trans. cover felt and nut, "All" (wt. 2 oz.) 3c
- 3353— Trans. cover belt gasket (front), "All" .3c
- 3357— Trans. cover door screw, "All" .2c
- 3358— Universal ball cap (rear), "All" (wt. 1 lb.) .72
- 3359— Universal ball cap (front), "All" (wt. 2 lbs.) .72
- 3371— Universal ball cap screw, "All" (wt. 2 oz.) 3c
- 3372— Universal ball cap bolt and nut, "All" (2 oz.) 3c
- 3375— Trans. cover screw, "All" (wt. 2 oz.) 3c
- 3376B Trans. cover, starter type, '19-25 (wt. 15 lbs.) 6.35
- 3377— Trans. cover gasket (pair), "All" (wt. 2 oz.) 8c



- 3378— Trans. cover sloping door, "All" (wt. 8 oz.) .12
- 3379B Trans. cover sloping door gasket, cork, "All" .13
- 3380— Starter drive cover, 1919-27, (wt. 8 oz.) .13
- 3381— Starter drive cover gasket, cork, 1919-27. .13
- 3382— Trans. cover rear plate, 1919-27 (wt. 4 oz.) .16
- 3383— Trans. cover front plate, 1919-27 (wt. 8 oz.) .16
- 3400— Trans. clutch release ring, "All" (wt. 8 oz.) .16
- 3402D Clutch lever and shaft, "All" .16
- 3403— Clutch lever bolt and nut, "All" (wt. 2 oz.) .16
- 3405— Clutch lever pin, "All" .16
- 3406B Clutch release fork, right or left, "All" (3 oz.) .12
- 3406C Clutch release fork pin, "All" .12
- 3411— Clutch lever clevis pin, "All" (wt. 2 oz.) .12
- 3413— TRANSMISSION BAND ASSEMBLY, with lining, 1909-25 (weight 1½ lbs.) .48
- 3413B Trans. band assembly (Detachable) each (wt. 1½ lbs.) .55
- For detachable transmission bands See page 87
- 3415— Trans. band washer, "All" .2c
- 3416— Trans. band lining. See Page 87
- 3419— Trans. band adjusting screw '09-25 (wt. 4 oz.) 9c
- 3420— Trans. band adjusting screw nut, "All" (2 oz.) 3c
- 3421B Trans. band ear iron rivet, per doz., "All" 4c
- 3422B Trans. band brass rivet. See Page 88
- 3425— Trans. band spring, "All" (wt. 2 oz.) 3c
- 3426— Trans. band adjusting nut, "All" (wt. 2 oz.) 4c
- 3427— Slow speed shaft, (wt. 1 lb.) 1909-25. .12
- 3428— Slow speed notch, "All" (wt. 8 oz.) .22
- 3429— Slow speed notch pin, "All" .1c
- 3432— Speed lever, "All" (wt. 8 oz.) .8c
- 3434— Reverse pedal, "All" (wt. 1 lb.) .48
- 3435— Brake and rev. pedal shaft, "All" (wt. 8 oz.) .12
- 3436— Brake and rev. pedal support, "All" (wt. 3 oz.) .12
- 3437— Brake and rev. support bolt and nut, 1909-25 .5c
- 3439— Brake pedal, (wt. 1 lb.) 1909-25. .42
- 3440— Clutch pedal, (wt. 1 lb.) 1909-25. .48
- 3441— Pedal pin, "All" .1c
- 3442— Clutch pedal support, "All" (wt. 3 oz.) .12
- 3443— Clutch pedal support bolt and nut, "All" .1c

"All" indicates that part fits all models. If year of car is unknown give motor number.

- 3445— Slow speed con., "All" (2oz.) 4c
- 3446— Slow speed con. nut, "All" 8c
- 3447— Slowspeed clevis, "All" (2oz.) 8c
- 3448— Controll. quadrant, "All" (1lb.) .18
- 3449— Cont. shaft with speed lever, "All" (4 lbs.) .49
- 3450— Cont. shaft bracket, "All" (5oz.) .12
- 3452— Cont. shaft bracket bolt and nut, "All" 4c
- 3455— Handbrakeassem., "All" (2lbs.) .85
- 3456B— Hand brake lever pin, "All" 2c
- 3458— H. brake lever pawl, "All" (2oz.) 4c
- 3459— H. brake lever pawl pin, "All" 1c
- 3460— H. brake lever pawl rod, "All" 9c
- 3462— Hand brake handle and spring assembly, "All" 9c
- 3463— H. brake pawl spring, "All" 2c
- 3465— Hub brake lever on cont. shaft, "All" (wt. 3 oz.) .12
- 3466— Hub brake lever pin, "All" 1c
- 3467— Hub brake lever clevis, "All" 8c
- 3468— Hub brake pull rod—right, (wt. 2 lbs.) '09-25 .24
- 3469— Hub brake pull rod—left, (wt. 2 lbs.) '09-25 .24
- 3470R— Hub brake rod support—right, "All" (wt. 2 oz.) 7c
- 3471L— Hub brake rod support—left, "All" (wt. 2 oz.) 7c
- 3472— Hub brake rod support bolt and nut, "All" 2c
- 3502— Steer. gear rim screw, "All" 1c
- A5131— 17-in Steering wheel. See Page 23
- 3504— Steer. gear cover, "All" (10oz.) .28
- 3505— Steer. gear cover screw, "All" 1c
- 3506— Steer. gear cover bush., "All" (2 oz.) .11
- 3506B— Steer. gear driv. pinion washer, "All" 3c
- 3507— Steer. gear case and bush., "All" (2 lbs.) 1.12
- 3507— Steer. gear quad., "All" (7oz.) .13
- 3511— Steer. gear wheel nut, "All" (2 oz.) 7c
- 3512C— Steer. gear tubing assem., "All" (wt. 8 lbs.) 3.60
- 3513C— Steer. tubing flange screw and nut, "All" 3c
- 3516C— Steer. gear post, '12-21 (7lbs.) 1.50
- 3516D— Steer. gear post, '21-25 (7lbs.) 1.50
- 3517— Steer. gear pinion, '09-25 (4oz.) .12
- 3517B— Steer. gear pinion, '20-27 .12
- 3518— Steer. gear pinion pin, '09-25 .2c
- 3519— Steer. gear drive pinion, '09-25 (7 oz.) .28
- 3520— Steer. gear drive pinion key, "All" (2 oz.) .2c
- 3523— Steer. gear post castle nut, "All" (2oz.) .2c
- 3524E— Throttle rod, "All" (1 lb.) .2c
- 3525E— Spark rod, "All" (1/4 lbs.) .2c
- 3527— Spark and throttle rod spring, "All" .2c
- 3528— Spark and throttle rod collar, "All" .2c
- 3529— Spark and throttle rod pin, "All" .2c
- 3530— Spark rod lever, "All" (wt. 2 oz.) .2c
- 3531— Throttle rod lever, "All" (wt. 2 oz.) .2c
- 3532— Throttle rod guide, "All" (wt. 2 oz.) .2c
- 3534B— Commutator pull rod, '09-25 (wt. 3 oz.) .2c
- 3535— Carburetor pull rod, '09-25 (wt. 3 oz.) .2c
- 3536— Ball and socket joint, with nut 1909-21. .2c
- 3537— Ball and socket joint nut, 1909-21. .2c
- 3539B— Steer. post bracket with bushings, 1911-25, except ton truck (wt. 8 oz.) .67
- 3540— Strng. brkt. bolt and nut, side, "All" (2 1/2") .24c
- 3541— St. brkt. bolt and nut, top, "All" (2 1/2") .24c
- 3544— Steering post bracket felt washer, "All" .18
- 3545— Strng. post brkt. bshng. pr. '09-21 (wt. 2 oz.) .18
- 3545B— Strng. post brkt. bshng. pr. '21-25 .18
- 3546— Steering block post bracket, 1909-25 (wood) .7c
- 3547— Steering gear ball arm, "All" (wt. 12 oz.) .32
- 3548— Steering gear ball arm key, "All" (wt. 2 oz.) .3c
- 3800— Front spring. See Page 91
- 3808— Front spring clip, 1909-20 (1 lb.) .16
- 3809— Front spring clip nut, 1909-20. .3c
- 3810— Front spring clip bar, 1921-26. .19
- 3811— Front spring tie bolt and nut, '09-25. .3c
- 3813B— Front spring hanger, "All" .16
- 3815— Front and rear spr. hanger nut, "All" .3c
- 3818— Front spring perch—right (wt. 15 oz.) '09-19 .52
- 3818B— Front spring perch—right, '19-27 (wt. 15 oz.) .52
- 3819— Front spring perch—left, '09-19, (wt. 15 oz.) .52
- 3819B— Front spring perch—left, 1919-27. .52
- 3820— Front spring perch bushing (2 oz.) "All" .2c

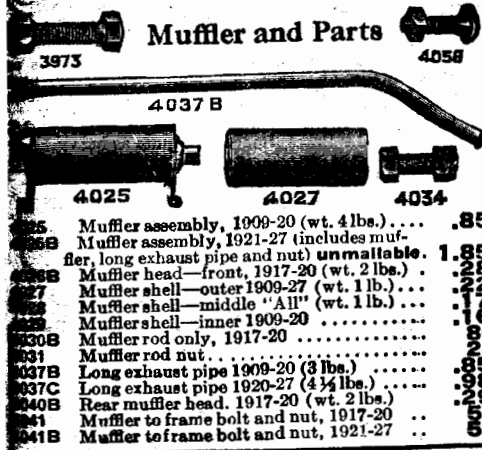


- 3821— Front spring perch nut, 1909-20. .50
- 3821B— Front spring perch nut, 1921-26. .50
- 3823— Front spring leather, "All" (2 oz.) .50
- 3824— Rear spring. See Page 91
- 3824B— Rear spring, 9 leaf. See Page 91
- 3833— Rear spg. clip for 8-leaf spg., '09-25. .16
- 3833B— Rear spring clip for 9-leaf spring. .18
- 3834— Rear spring clip nut, "All" .18
- 3835— Rear spring clip bar, "All" .18
- 3837— Tie bolt and nut, 8-leaf spring "All" .18
- 3838— Tie bolt and nut, 9-leaf spring, "All" .18
- 3840B— Rear spring hanger, "All" (wt. 5 oz.) .18
- 3842— Rear spring leather pad, "All" (2 oz.) .18
- 3843— Rear spring perch, 1909-25 (wt. 12 oz.) .18
- 3844— Rear sprg. bushing, "All" (wt. 2 oz.) .18
- 3845— Rear spring perch nut, "All" .18
- 3847B— Front spring retainer clip, '16-27. .18
- 3848B— Rear spring retainer clip, 1918-27. .18
- 3900— Strng. crank only, "All" (wt. 2 lbs.) .36
- 3901— Strng. crank handle (8 oz.) '09-22. .12
- 3902— Strng. crank handle bolt (4 oz.) '09-22. .12
- 3903— Strng. crank sleeve '09-22 (wt. 4 oz.) .12
- 3905— Starting crank ratchet pin, "All" .12
- 3906— Starting crank ratchet, "All" (8 oz.) .16
- 3908— Starting crank spring, "All" .2c
- 3925— Radiators, "All" See Page 79
- 3928— Radiator pad, 1909-19, leather. .55
- 3929— Rad. stud and nut, 1909-19. .55
- 3929B— Rad. stud and nut, 1919-25. .55
- 3930— Radiator stud spring, "All" .55
- 3931 1/2— Radiator stud washer nut, "All" .2c
- 3932— Radiator rod, '09-23 (wt. 8 oz.) .14
- 3932C— Rad. Rod for steel dash, '23-25. .14
- 3934— Radiator rod nut, "All" .19
- 3939— Inlet connection pipe, "All" (12 oz.) .19

(Continued on page 101)

"All" indicates that part fits all models. If year of car is unknown give motor number.

- (Continued from page 100)
- 3973— Outlet connection cock, "All" (2 oz.) .12
- 3973B— Radiator, steel only, 1917-23. .60
- 3973C— Radiator shell only, 1923-27. .68
- 3974— Fan and pulley, comp., 1909-20. .75
- 3975— Fan and pulley comp., 1920-27. .75
- 3976— Fan blade, (1909-20). .8c
- 3977— Fan blade rivets, dos. .4c
- 3978— Fan blade assembly, 1920-27. .19
- 3979— Driven fan pulley, 1909-27. .56
- 3980— Fan drive pulley, 1909-20. .18
- 3981— Fan drive pulley, 1920-27. .23
- 3982— Fan shaft, 1909-20. .19
- 3983— Fan shaft, 1920-25. .16
- 3984— Fan bracket, 1917-25. .24
- 3985— Fan bracket bolt, "All" .2c
- 3986— Fan grease cup, "All" .2c
- 3987— Fan adjusting screw and nut, "All" .2c
- 3988— Fan driven pulley bushing, '17-20. .2c
- 3989— Fan driven pulley bushing, '20-27. .2c
- 3990— Rad. spring upper thimble, '19-25. .2c
- 3991— Rad. spring lower thimble, '19-25. .2c
- 3992— Radiator apron, '24-25 (will fit '17-23 Fords) .2c
- 3993— Fan pulley plug, 1920-27. .2c
- 3994— Fan pulley gasket, cork, 1920-27. .2c
- 3995— Fan shaft cap, 1920-26. .2c
- 3996— Fan shaft felt washer, 1920-27. .2c
- 3997— Fan blade screw, 1920-27. .2c
- 3998— Fan shaft nut, 1920-27. .2c



- 4025— Muffler assembly, 1909-20 (wt. 4 lbs.) .85
- 4026— Muffler assembly, 1921-27 (includes muffler, long exhaust pipe and nut) unavailable. 1.85
- 4027— Muffler head—front, 1917-20 (wt. 2 lbs.) .22
- 4028— Muffler shell—outer 1909-27 (wt. 1 lb.) .22
- 4029— Muffler shell—middle "All" (wt. 1 lb.) .17
- 4030— Muffler shell—inner 1909-20. .16
- 4031B— Muffler rod only, 1917-20 .2c
- 4031— Muffler rod nut. .2c
- 4032B— Long exhaust pipe 1909-20 (3 lbs.) .85
- 4032C— Long exhaust pipe 1920-27 (4 1/2 lbs.) .98
- 4040B— Rear muffler head, 1917-20 (wt. 2 lbs.) .29
- 4041— Muffler to frame bolt and nut, 1917-20. .6c
- 4041B— Muffler to frame bolt and nut, 1921-27 .6c

- 4042— Hood, 1917-23, (wt. 8 lbs.) .95
- 4043— Hood, 1923-25 3.95
- 4044— Hood, 1926-27 3.95
- 4045— Hood clip, wt. 8 oz. 2c
- 4046— Hood clip spring 6c
- 4047— Hood block, left, 1917-23 (wt. 8 oz.) .22
- 4048— Hood block, left, '23-25. .27
- 4049— Hood block, right, 1917-23, (wt. 8 oz.) .22
- 4050— Hood block, right, '23-25 .27
- 4051— Hood pad (on dash), 1917-27, (wt. 2 oz.) .7c
- 4052— Hood pad (on radiator shell), 1917-27, .12
- 4053— Hood gasket (on dash), 1917-20. .2c
- 4054— Screw for 4061B .2c

"All" indicates that part fits all models. If year of car is unknown give motor number.

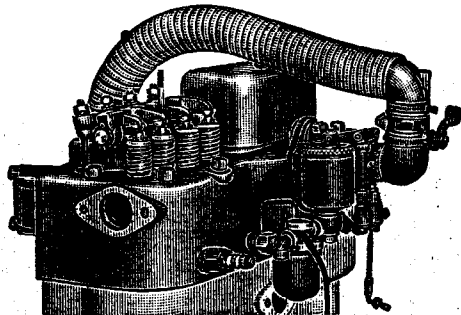


- 3601B— Body bracket on body, center and rear "All" 8c
- 3602E— Body bracket con. bolt and nut 1914-26. .8c
- 3630— Floor board forward plate, 1909-25. .8c
- 3632— Floor board rear plate for pedals "All" (12oz.) 8c
- 3633— Floor board plate for side lever, "All" (wt. 5oz.) 4c
- 3634G— Dash, (wood), 1917-23 (wt. 4 1/2 lbs.) 1.55
- 3634H— Dash, (steel), 1917-23 (wt. 7 1/2 lbs.) 2.15
- 3640C— Dash bracket—left, 1917-22 (wt. 10 oz.) .16
- 3641C— Dash bracket—right, 1917-22, (wt. 10 oz.) .16
- 3642B— Dash bracket to dash bolt and nut '17-23. .3c
- 3074— Dash bracket to frame bolt and nut "All" 4c
- 3653B— Dash to body bracket bolt and nut "All" 4c
- 3660C— Tail lamp & license bracket assembly—tour and sedan 1915-21 (wt. 8 oz.) .22
- 3660D— Tail lamp brkt. Roads and Coupe '15-21. .22
- 5678X— Door lock, Touring, right rear "All" .22
- 5680X— Door lock, Touring, right front or left rear. .22
- 8433X— Striker plate for either lock "All" .9c
- F6744— Curtain to windshield hook. .2c
- 9484X— Key for Coupe rear compartment lock. .10

- 4812— Running board—R. or L. '09-25, (10 lbs.) 1.10
- 4814C— R. B. Shield, R., Coupe and open cars, '17-25, (10 lbs.) 1.95
- 4814D— R. B. Shield, R., Sedans, '22-25, (10 lbs.) 2.15
- 4815C— R. B. Shield, L., Coupe and open cars, '17-25, (10 lbs.) 1.95
- 4815D— R. B. Shield, L., Sedans '22-25, (10 lbs.) 2.15
- 4816— Running board truss rod—front, 1909-21. .22
- 4817— Running board truss rod—rear, 1909-21. .22
- 4819— R.B. to rear fender bolt and nut, 1909-20 .22
- 4819B— R.B. to rear fender bolt and nut 1921-26 .22
- 4820— R.B. to front fender bolt and nut, 1909-20 .22
- 4820C— R.B. to front fender bolt and nut, 1921-26 .22

"All" indicates that part fits all models. If year of car is unknown give motor number.

Laurel-Roof 40S Valve-In-Head For Fords



The Laurel-Roof Head is used by many of the prominent racers and is recognized by most mechanics as the best for both speed and power. It is guaranteed to develop a speed of 60 miles per hour (many users report speeds up to 75 miles) and to give from 40% to 70% more power (depending on the condition of the rest of the motor). Greatly increases flexibility, pick-up, and gasoline mileage.

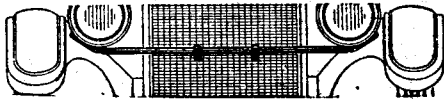
It comes equipped with a Zenith carburetor which is located on the left hand side of motor. The firing chambers are of improved design, giving more power and speed, and greater fuel economy. Has many special patented features, viz., superheated intake manifold, one-piece valves, bronze bushed rocker arms, and others too numerous to mention here. Our price does not include Auto-Pulse. Shipped F.O.B., our nearest store. Write us for literature.

- J7723—Head complete with Zenith Carburetor for 1926-27 Fords (1925 and older Ford require Auto-Pulse)..... **67.95**
- J7721—Auto-Pulse, for use for 1925 and older Fords. Head (Wt., 2 lbs.)..... **7.95**
- J7726—Head Gasket for Roof, Frontense, Rairo Heads (Wt., 8 oz.)..... **1.70**

- J7720—Special Williams Jr. Accelerator for Laurel-roof
- J7726—Head Gasket for Roof, Frontense, Rairo Heads (Wt., 8 oz.)..... **1.70**

Front Fender Braces for 1926 Fords

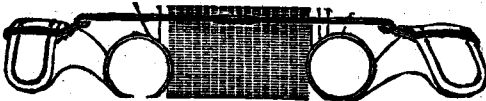
The front fenders on 1926 Ford cars are much heavier than on older models and in addition carry the weight of the headlamps. Constant vibration of all this weight causes them to sag and break unless supported by a fender brace. The fender brace also makes an ideal license bracket.



Our is superior to others in strength, rigidity and appearance. Attaches under the lamps. Made of 3/8" round steel tubing and finished in beautiful polished nickel plate. Comes with license clips to hold license plates.

- W8371—Superior Fender Brace, (Ship. wt., 4 1/2 lbs.) **1.45**
- W8372—Fender brace for 1926 Fords. Same in design, material and method of attachment as W8371 but finished in Black Enamel instead of nickel. (Ship. wt. 4 1/2 lbs.)..... **.95**

Western Special fender brace FOR FRONT OR REAR OF 1909-26 FORD CARS



An improved adjustable fender brace with special clamps on fender, so that rod is held an inch higher than the ordinary brace, preventing it from striking against head lamps or radiator. Made of high-grade steel with strong, neat turnbuckle for adjustment. A fortunate purchase enables us to offer an extra sturdy front brace on this number.

- W8393—Fender Brace, Front (Ship. wt., 2 lbs.)... **.65**
- W8393R—Fender Brace, Rear (not quite as heavy as W8393)..... **.55**

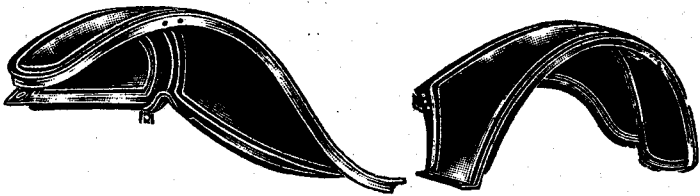
Rear Fender Braces

FOR 1909-25 FORDS

Shaped to hold the rear fenders in correct position. Held to the car body by strong screws. Bolt onto the fenders. Complete with screws and bolts. (Ship. wt. 2 lbs.)

- D6194—Pair complete... **.38**

REPLACEMENT FENDERS FOR FORDS



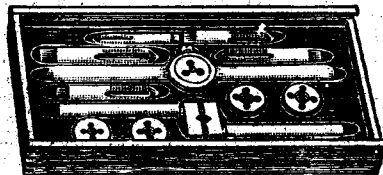
You can add greatly to the appearance and the value of your car, at a small cost, by replacing old, disfigured and battered fenders with our new ones. Made of 20-gauge auto steel, cold drawn, and finished in high luster baked on black enamel. Strongly reinforced at all points of strain. Same style and design as your original fenders and interchangeable with them. Our prices offer a worth-while saving. Carefully crated for shipping. Our prices are quoted F. O. B. our store nearest to you. **Not Mailable.** Ship. wt., 85 lbs.

- X8517—For Touring and Roadster, 1917-25 and 1923 and older two-door Sedans and Coupes..... **9.85**
- X8518—For 1924-25 Coupes..... **11.45**
- X8515—For 1924-25 Sedans..... **11.45**

SINGLE FENDERS

- The Prices shown below are for Fender, Crated, Ready to Ship, F. O. B. Our Nearest Store
- X8570—Front Fender, right, all models 1917-25..... **3.45**
 - X8571—Front Fender, right, all models 1926-27..... **4.45**
 - X8572—Front Fender, left, all models 1917-25..... **3.45**
 - X8573—Front Fender, left, all models 1926-27..... **4.45**
 - X8574—Rear Fender, right, all models 1915-23 and Touring and Roadster, 1915-25..... **3.45**
 - X8575—Rear Fender, right, Tudor and Fordor Sedans, 1922-25..... **3.45**
 - X8576—Rear Fender, right, Coupe, 1924-25..... **3.45**
 - X8577—Rear Fender, right, Touring, Tudor and Fordor Sedans, 1926-27..... **3.45**
 - X8576—Rear Fender, right, Coupe and Roadster, 1926-27..... **3.45**
 - X8579—Rear Fender, left, all models 1925-23, and Touring and Roadster, 1915-25..... **3.45**
 - X8580—Rear Fender, left, Tudor and Fordor Sedans, 1922-25..... **3.45**
 - X8581—Rear Fender, left, Coupe, 1924-25..... **3.45**
 - X8582—Rear Fender, left, Touring, Tudor and Fordor Sedans, 1926-27..... **3.45**
 - X8583—Rear Fender, left, Coupe and Roadster, 1926-27..... **3.45**

Tap and Die Sets IN SLIDE COVER WOODEN BOX



M7303—Tap and die set (illustrated) consists of 5 S. A. E. taps and dies to match in following sizes 1/4, 5/16, 3/8, 7/16 and 1/2 inch; and 1 Die stock 8 in. long, 1 in. diameter; and 1 adjustable tap and reamer wrench. Ship. wt., 3 lbs., per set..... **1.95**

M7286—Tap and die set (not illustrated) consists of 5 S. A. E. taps and dies and 5 U. S. S. taps and dies, viz., 1/4, 5/16, 3/8, and 1/2 inch; and 1 die stock 8 in. long, 1 in. in diameter; and 1 adjustable tap and reamer wrench. This set with its 10 taps and 10 dies for use on both S. A. E. and U. S. S. threads will equip any shop, farm, or home to care for almost any need. Comes in compact, strong, wooden box. Ship. wt., 5 lbs., per set..... **3.95**

Tap and Drill Set

FOR BROKEN CYLINDER HEAD BOLTS



When a cylinder head bolt is sheared off it is practically impossible to remove the threaded end remaining in the casting. Our No. 10 Tap and Drill Set makes the operation simple.

You don't even have to remove the cylinder head—Just slip the hardened steel bushing in the bolt hole and drill out the body of the thread with the special drill furnished; the body tap will then clean out the threads leaving them like new. (Ship. wt., 1 lb.)

- M7302—Tap and Drill Set, Standard Size..... **1.28**
- M7301—1-16 inch oversize Tap for tapping bolt holes where threads are worn out or stripped..... **1.20**
- M7316—Oversize Ford Cylinder head bolt 1-16 inch size, 1909 to 16, each..... **.10**
- M7317—Oversize Ford Cylinder Head Bolt 1-16 inch size, 1917 to 25, each..... **.10**

Generator Brush Wrench for Fords



The third generator brush on Ford cars needs adjusting at intervals and it takes this special wrench to get at it. Will fit any model Ford. Ship. wt., 1 lb.

- M7428—Generator Brush Wrench..... **.10**

Socket Nut and Bolt Holder

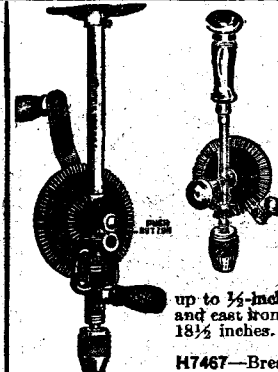
Slips over the head of crank case and transmission cover bolts on Ford cars, and holds bolts while you turn the nuts underneath the car. Lets one man do the work alone. Made of heavy pressed steel, case-hardened and well finished.



- M7429—Nut and Bolt Holder, ea. **.19**

Radio Accessories

Pages 68 to 71



Speed Drills

BREAST DRILL

Has 2 gear ratios even and 3-1. The speed is changeable without withdrawing drill from work. Has a ball thrust bearing, easy to operate, adding much to the life of the tool.

Breast plate adjustable, crank is extensible from 4 to 7 inches, giving added power. Has a three-jaw Star Chuck, for round shank drills up to 1/2-inch. Frame is rolled steel and cast iron. Nicely finished. Length, 18 1/2 inches. Ship. wt., 8 pounds.

- H7467—Breast Drill..... **2.95**

FAVORITE HAND DRILL

Hollow wooden handle which will hold the 8 small drills listed below. Has flattened knob—don't hurt hand. Small side handle permits using as a hand drill or a light breast drill. Chuck is 3-jawed, strong, and holds round drills up to 1/4-inch. Hollow steel shaft. Well made of good materials and nicely finished. Furnished without drills so you may select those you need. Ship. wt., 2 lbs.

- H7475—Hand Drill, without drills..... **1.28**
- H7474—Set of 8 small drills (running in this from 1/8" to 3/8") for use on wood or thin metal..... **.26**

Goodell Pratt Automatic Drill



Here is just the tool for general use around the garage or home. A nickel-plated tool, 10 inches long, with eight drill bits, sizes 1/8, 3/16, 1/4, 5/16, 3/8, and 1/2. Handle contains a magazine which holds each of the eight drill bits in a separate numbered compartment. To operate, simply put bit in chuck and push on the drill. This causes the bit to turn rapidly and the hole is quickly made.

- H7465—Automatic Drill complete. (Ship. wt., 1 lb.) **1.58**
- H7466—Set of 8 Drills only, (4 oz.)..... **.62**

Twist Drills

(Straight Shank)				(Flute Shank)			
No.	Diam.	Length	Price	No.	Diam.	Length	Price
K7940	1/8"	2 1/2"	.08	K7948	1/4"	4 1/2"	.20
K7941	1/8"	2 3/4"	.09	K7949	1/4"	4 3/4"	.22
K7942	1/8"	3"	.09	K7950	1/4"	5"	.24
K7943	1/8"	3 1/4"	.10	K7951	1/4"	5 1/4"	.27
K7944	1/8"	3 1/2"	.10	K7952	1/4"	5 1/2"	.32
K7945	1/8"	3 3/4"	.11	K7953	1/4"	5 3/4"	.38
K7946	1/8"	4"	.11	K7954	1/2"	6"	.49
K7947	1/8"	4 1/4"	.12				

Square Shank Drills for Metal or Wood

Highest quality carbon steel drills, hardened and polished. Shank will fit any standard brace. Average shipping weight, 4 oz.

No.	Diam.	Length	Price	No.	Diam.	Length	Price
J7900	1/8"	3 1/2"	.12	J7904	1/4"	5 1/4"	.28
J7901	1/8"	3 3/4"	.13	J7905	1/4"	6"	.38
J7902	1/8"	4"	.14	J7906	1/4"	6 1/4"	.48
J7903	1/8"	4 1/4"	.15	J7907	1/4"	7"	.58

"Easy-Out" Screw Extractor

For removing bolts, cap screws, set screws, etc., when the head has been broken or twisted off. Simply drill a hole in broken screw, insert "Easy-Out," slip on a wrench and twist to the left and the screw comes out easily without injury to threads. One of each, diam. at point, 1/8, 3/16, 1/4 in. Length about 3 1/2 in. Wt., 12 oz.

- M7596—Per set of three..... **1.78**
- M7597—Easy-Out Extractor 1/8"..... **.85**
- M7598—Easy-Out Extractor 3/16"..... **.98**
- M7599—Easy-Out Extractor 1/4"..... **1.10**

Zim Cotter Pin Puller

A great time saver. It snaps cotter pins right out. No one who works on a car should be without it. Notice in the illustration that the prong on the lower jaw goes through the cotter pin eye and locks with the upper jaw. This allows you to roll the cotter pin quickly out of any position even out of bad corners. Well built out of the best material and has a rust proof finish. Ship. wt., oz. **H7356—Zim Cotter Pin Puller..... .48**



Cotter Pin Extractor

This is used for extracting cotter pins and for spreading the split ends to prevent them from coming out. Made of square steel, pointed on one end and flattened like screw-driver on other end. Shipping weight, 4 oz. **H7355—Cotter Pin Extractor..... .10**

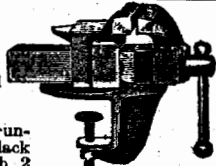
Running Board Tool Box

This tool box is long enough to accommodate everything you need for making repairs, including a tire pump and tools, jack, extra tubes, tire powder, etc. Made low (only 7 inches high, including lid), to permit the door of the car opening and closing above box. Made of strong steel, with black baked-enamel finish; two trunk catches and fitted with **Genuine Yale Lock**. Size, 22x9x7 inches. Shipping weight, 10½ lbs. **W8400—Box with Yale Lock, complete with key.. 1.98**
W8398—Same size tool box, with plain lock and key (not illustrated)..... 1.45



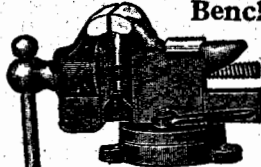
Clamp Vise

A very substantial vise. Steel jaws welded on head of main screw is forged to screw. Nut in the rear takes up all wear upon the screw, which prevents lost motion. Can be easily and quickly clamped to running board or work bench. Black enamel finish. Furnished with 2 and 2½-inch jaws. **H7482—2-in. Jaw (Ship. wt., about 4 lbs.)..... 1.78**



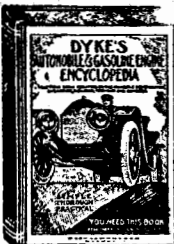
Bench Vises

A strong, well-made vise with heavy guide and extra strong screw. Jaws have knurled steel inset for holding work firmly. Pipe jaws conveniently located. Vise can be turned and set at various angles. Nicely finished. Jaws 2½ in. wide. Opens 4 inches. **H7484—Bench Vise (Ship. wt., 12 lbs.)..... 3.45**
H7486—Bench Vise, similar in appearance to H7484. Jaws 3" wide; opens 2½"; not equipped with pipe jaws (Ship. wt., 8 lbs)..... 2.65



Dyke's Auto Encyclopedia

New edition, entirely rewritten and enlarged. 1238 pages, 4143 illustrations. A practical book for the repairman, auto owner or student. Teaches the fundamental principles of each and every part of an automobile. Large clear type, plain simple language. Easy to read and understand. Tells just what you want to know about Motors, Carburetion, Cooling and Lubrication, Ignition and Lighting Systems, Batteries, Repairs, Trucks and Tractors, Aero-plane Engines, and has 69 pages with 239 illustrations on the construction, upkeep and repair of Ford cars. Publisher's Price \$6.00. **A5088—Dyke's Encyclopedia (Ship. wt., 6 lbs.)... 4.95**



Cotter Pins Assortments

Box of about 100 cotter pins, various sizes, assorted to meet the demands of auto use. Ship. wt., 8 oz. **J7603—Box..... .10**

Genuine Campbell Cotter Pins

Self-spreading, pointed-end cotter pins. Lock themselves in place by merely inserting and driving on head until the points are even. Assortment averages 100 coppers, twelve sizes, in handy metal screw-top box. **J7600—Per box (Ship. wt., 8 oz.)... .17**

Lock Washer Assort.

About 40, including practically all the sizes in common use on automobiles. Shipping weight, 4 oz. **J7606—Box..... .10**

"Never-Slip" Lock Washers

¾-inch hole, made with corrugated surfaces on both sides, so nuts cannot work loose. Especially valuable in replacing engine base and transmission cover bolts on Ford cars. **J7608—Package of 2 dozen washers (Ship. wt., 4 oz.)... .10**

Assortment of Machine Bolts

Contains about 72 nickel plated machine screws in most popular sizes. (Ship. wt., 12 oz.) **J7636—Assorted machine screws..... .55**

Assortments of Stove Bolts

A handy assortment of round head stove bolts for general use. Stove bolts have many uses and this assortment should be in every tool kit. Contains 30 stove bolts from ½x½ to 1½x½. Ship. wt., 8 oz. **J7629—Per can..... .24**

Assortments of Nuts

Each assortment contains 15 well finished nuts made of best hardened steel, S. A. E. thread. Sizes fit in to ¾ in. Ship. wt., 8 oz. **J7610—Box Castellated Nuts... .29**
J7624—Box Plain Nuts..... .29

S.A.E. PLAIN			S.A.E. CASTELLATED		
No.	Size	Price	No.	Size	Price
X9055	¼	1c	X9060	¼	2c
X9056	5-16	1c	X9061	5-16	2c
X9057	3-8	1c	X9062	3-8	2c
X9058	7-16	2c	X9063	7-16	3c
X9059	½	2c	X9064	½	3c

Wood Screw Assortment

About 75 wood screws in the sizes most commonly used. Assortment will be useful in many ways. (Ship. wt., 1½ lbs.) **J7611—Assortment of Wood Screws... .15**

"Loosen Nut" Compound

Dissolves rust instantly and loosens the rusty nut, bolt, coupling or bushing. Saves time and labor. Contains no acid or anything to injure metal. Put up in half pint cans with handy spout, as illustrated. It will pay you to keep a can always on hand for emergencies. Shipping wt., 1 lb. **Our Reduced Price**
J7753—Loosen Nut Compound..... .39

Emery Cloth

Good quality emery cloth in standard 9"x11" sheets. Furnished in two grades, medium fine and medium coarse. **J7730—Fine, ½¢, per sheet... .10**
J7731—Coarse, 1½¢, per sheet... .12



Automatic Blow Torch

No Pumping No Priming No Blowing
A non-leakable blow torch that is absolutely automatic. Put a supply of denatured alcohol in the torch, remove the cap, and light. The heat (generates 1,400° in 10 seconds) provides sufficient force to shoot the flame direct to the point desired. Practical for all soldering jobs. Simply and strongly constructed, will last for years. Absolutely safe. 5¼ inches tall. **H7515—Automatic Blow Torch. Ship. wt., 1 lb... 1.18**

"Giant" Gasoline Blow Torch

Has seamless, drawn-brass tank. Pumps in tank—it can not become battered and is much more convenient than pump in handle. Has a patented trouble-proof control needle that can not damage or enlarge the gasoline inlet. Has more generating area than most torches. It develops a concentrated blue flame of intense heat, even when throttled low. Not affected by cold or high wind. Can be used at any angle. Is absolutely leak-proof—will last a life time. Every garage, farm, and home should have one. Ship. wt., 8 lbs. **H7575—Gasoline Blow Torch, quart size..... 4.25**

Electric Soldering Iron \$1.20

Our electric soldering iron is built wide (¾ of an inch) to hold the heat and (½ of an inch.) Can be used with any 110-120-volt electric lighting system; heats immediately to the proper heat for soldering. It will not overheat or burn out. A great convenience for quick work and small jobs, as well as a great time-saver. You can work uninterrupted without having to stop to heat iron. Has feet of cord. Fully guaranteed. (Shipping weight, 1 lb.) **H7414—Electric Soldering Iron, Complete... 1.20**

Soldering Paste

Semi-solid, easy to apply and will not run, difficult, out-of-the-way places. Better than acid, can damage nothing. Assures a strong, secure joint. **H7413—Soldering Paste, 1¼ oz can.. 12**

Soldering Iron

General purpose soldering irons. Can be used for all soldering. Very handy around garage and house. **H7497—Soldering Iron, ¼ lb. (No handle)..... .16**
H7496—Soldering Iron, ½ lb. (No handle)..... .24
H7498—Wood Handle for soldering iron (wt. 4 oz.)... 8c

Justrite Soldering Iron and Blow Torch

Great Time-Saver
Burns gasoline. It is always hot and does not have to be carried back and forth to the heat. Handle made of special fiber that does not get hot when in use. Easy to operate. Simply fill tube with gasoline—prime as you would an ordinary torch—and it is ready for use. To use blow torch, take off soldering iron end. Complete instructions furnished. Absolutely safe. Shipping weight, 1 lb. **H7417—Complete with sal ammoniac and solder.. 2.28**



Kester Ready-To-Use Solder

These are hollow tubes of solder with the flux contained inside the tube which is crimped at intervals to prevent an excess flow of flux. Easy to use, handy, quick, clean, economical.



ACID-CORE SOLDER
This is the most practical acid solder made. Just clean the surfaces to be soldered, touch the hot iron to the solder, and the job is done. No waste, no excess flux. **H7501—1-lb. spool, Acid Core Solder..... .84**
"METAL MENDER OUTFIT" consists of about ¼-lb. of acid core solder in a handy box with full instructions about how to solder properly. **H7502—Ship. wt., 6 oz..... .24**

ROSIN-CORE RADIO SOLDER
This is the best solder for RADIO work, as well as other purposes. Made just like acid core except that instead of acid, rosin is used as the flux. No sputtering of flux, no danger, no acid odor, no CORROSION. This outfit consists of about ¼-lb. of rosin core solder in a handy box with full instructions about how to solder properly. Ship. wt., 6 oz. **H7503—Rosin Core Solder..... .24**

Wire Solder
Very fine quality wire solder. For general use. Works fine. **H7499—¼-lb. roll Wire Solder..... .27**
H7500—1-lb. roll Wire Solder..... .43

Bar Solder
High grade solder for general repair purposes. Ship. wt. 1 lb. **H7504—¼-lb. Bar..... .24**

"Solderall" The Handiest Solder Ever Invented 22c
A pure tin solder combined with non-corrosive flux in paste form all ready for instant use in joining wires, stopping leaks, or repairing breaks of any metal parts. Just squeeze a little from the tube on the parts to be mended, then heat with a match, torch or soldering iron and a perfect job is the result. **Our Reduced Price**
H7607—Solderall (Shipping weight, 8 oz.)..... .22

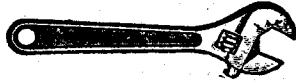
Repair Metal
A metallic compound for repairing cracks or breaks in any kind of metal. Eliminates too, need for brazing or welding. Especially fine for cracked cylinder heads, crank cases, radiators, etc., also household utensils. Simply heat part to be repaired, and rub et ck of Repair metal in the crack or hole. Repair will stand 600° of indirect heat and 1200 lbs. pressure. No acids or salts necessary, any one can use it. Absolutely guaranteed. Regular price \$1.00. Shipping weight, 8 oz. **K8149—Repair Metal, per package... .48**

Cast Steel and Iron Cement
No Heat Required
A metallic iron cement that withstands heat, oils, grease and steam. When hard it contracts or expands like iron. Used in repairing cracks, blow holes, defective cylinders, jackets, radiators, etc. Ship. wt., 10 oz. **J7752—Cement, can, Ship. wt., 10 oz..... .22**

Neu-Metal Solder
Solder Without Heat or Acid
Neu-Metal Solder will instantly air-harden even in boiling hot water. It cannot be melted. No heat or acids required in using—useful in mending radiators, water pipes, gasoline tanks and all kinds of metal, brass, tin, etc. Also very handy and useful about the home. **H7510—Each, Ship. wt., 8 oz..... .22**



Genuine Crescent Wrenches



The strongest and handiest adjustable end wrench made. No need to hunt for the size wrench you need—the "Crescent" will do the work for you.

- J7829—Size 4" (Shipping weight, 8 oz.)..... .65
- J7830—Size 6" (Shipping weight, 8 oz.)..... .65
- J7831—Size 8" (Shipping weight, 11 lb.)..... .80
- J7832—Size 10" (Shipping weight, 1 1/2 lbs.)..... .98
- J7833—Double-end, 6"-8" (ship. wt., 21 lb.)..... 1.25
- J7834—Double-end, 8"-10" (ship. wt., 31 lb.)..... 1.50

Adjustable Auto Wrench 29c

An adjustable drop forged wrench suitable for heavy work. Solid one-piece movable jaw. Length, 9 inches.



- H7162—Adj. Auto Wrench (ship. wt., 1 1/2 lbs.)... .29

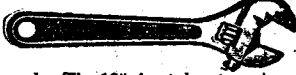
Stillson Type Wrenches Wood Handle, Drop-Forged Steel Jaw.



The wrench that stands the test. Made of highest grade materials and absolutely guaranteed in every detail.

- H7157—Size 6" Takes pipes 1/2 to 1 in. (wt. 1 1/2 lb.)... .58
- H7158—Size 8" Takes pipes 3/4 to 1 in. (1 lb.)... .87
- H7159—Size 10" Takes pipes 1 to 1 1/2 in. (2 lbs.)... .72
- H7160—Size 14" Takes pipes 1 1/2 to 2 in. (8 lbs.)... .98
- H7161—18" with drop forged steel handle. Extra quality and extra strong for heavy work (11 lbs.) 1.48

Crescent Type Adjustable Wrench DROP FORGED 33c and up



Wrench can be used in practically every opening where the solid wrench can be used. The 10" size takes the place of nine sizes of solid wrenches. Other sizes proportionately. Very useful wrench.

- H7171—Size 4" (Shipping weight, 8 oz.)..... .33
- H7173—Size 6" (Shipping weight, 8 oz.)..... .39
- H7174—Size 8" (Shipping weight, 1 1/2 lbs.)..... .50
- H7175—Size 10" (Shipping weight, 2 lbs.)..... .64

Williams Monkey Wrenches



High-grade monkey wrenches for general use around the garage or shop. Has forged steel head, bar and shank. Machine cut steel adjusting screw with knurled head. One piece polished hard-wood handle.

- J7874—8 inch, (Ship. wt., 1 lb.)..... .48
- J7875—8 inch, (Ship. wt., 2 lbs.)..... .58
- J7876—10 inch, (Ship. wt., 2 1/2 lbs.)..... .68

Magnetic Shock-Proof Screwdriver HANDY, LONG TAPERED STYLE

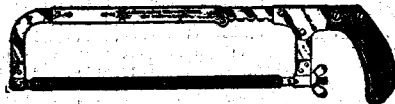
STRONG, INSULATING, BAKELITE HANDLE



A practical screwdriver with long thin shank especially adapted for work on ignition systems or any electrical work; or when using little screws or reaching difficult places. The black composition handle is molded around the shank completely insulating it, and making it shock-proof. The magnetism in the shank is strong enough to hold small screws that are difficult to handle with the fingers, or have to be put in hard-to-reach places. Screwdriver is excellently made of the best materials and is finished beautifully. Shank is 6 1/2" long, blade is 1/4" wide; handle is 1" thick, is fluted and knurled, and is 4 1/2" long, nicely balanced. Ship. wt., 12 oz.

- H7177—Magnetic Screwdriver..... .42

Handy Pistol Grip Hack Saw



A high grade saw. Convenient wood handle that fits the hand nicely. Nickel-plated frame, adjustable for 8" to 12" blades. Well-made and substantial. Comes complete with one 8" blade. Shipping weight, 1 1/2 lbs.

- H7341—Pistol Grip Hack Saw..... .84

Genuine Star Hack Saw Blade



- Our Reduced Price—Each Price, per Doz.
- H7344—8-inch..... 5c..... .56
 - H7345—9-inch..... 6c..... .60
 - H7353—Extra Hard Hack Saw Blade, 10 inches long, 24 teeth to inch, each..... 7c..... Per doz..... .57

Straight Grip Hack Saw



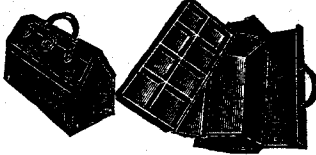
A big bargain. Strong steel frame, adjustable to fit blades from 8" to 12" inches long. Can be set to saw in any one of 4 directions. Tension on blade is adjusted by turning the polished wooden handle. Well made, durable, and nicely finished. Comes with one 8-inch blade. Ship. wt., 1 lb.

- H7343—Hack Saw..... .39

Star Hack Saw Blades are probably the best known and most satisfactory blades on the market. They are made of highest quality steel and are much less liable to break than the ordinary cheap blade. Furnished 24 teeth to inch. Average shipping weight, about 8 oz. per dozen.

- Our Reduced Price—Each Price, per Doz.
- H7346—10-inch..... 7c..... .67
 - H7347—12-inch..... 8c..... .75

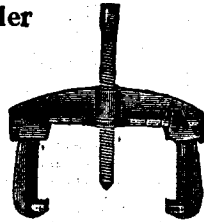
Kennedy Tool Kits



The most popular kit for mechanics or car owners. Shaped like a leather bag and made throughout of prepared steel, so that they are no heavier than an ordinary

- grip. Strong and durable. Has solid brass corners, good side catches, genuine Yale lock, and leather-covered handles with steel core. Has light-weight steel compartment tray, divided by small partitions, as shown in illustration. Finished with three coats of baked-on enamel. Shipping weight, 11 lbs. Our Reduced Price
- W8394—Complete kit, size 16x9x11 inches..... 4.65
- W8395—Complete kit, size 18x10x13 inches..... 4.95
- W8396—Complete kit, size 22x11x13 inches..... 5.45

Leader Gear Puller



A substantial well-made gear puller, designed for use with timing gears, magneto gears, generator and starter work, and similar light work. Has two 3 in. arms, adjustable in width so as to take diameters up to 6 in. Screw 8 in. long. Shipping weight, 4 lbs.

- D6188—Leader Gear Puller, complete..... 2.35

Super-Quality Steel Valves

FOR FORD, CHEVROLET, DODGE AND FORDSON

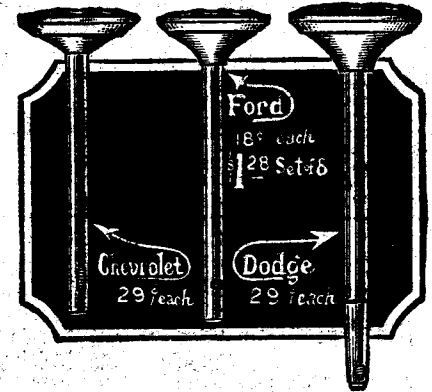
It will pay you to replace worn, bent, pitted, or warped valves with our Super-Quality Steel Valves, because they do not warp, bend, become pitted and worn like common iron valves. Because of their accurate finish they are much easier to install than ordinary valves; the hard steel head seats perfectly and does not have to be ground so often.

The steel valve heads are large and thick and are ground to perfect accuracy and are electrically welded to the stems. The stems are of steel, ground (not rolled as in ordinary valves) to exact size and so hard that even under continuous pounding and intense heat they will not bend.

Super Quality Valves will save their slight additional costs many times over, not only in fuel economy, but because they will never need replacing and do not have to be ground so often as ordinary valves.

Installed just like ordinary valves. Ship. wt. each 4 oz.

- K8040—For Ford, regular size..... .18 Set of 8 1.28
- K8041—For Ford, 1/4 inch oversize..... .18 Set of 8 1.28
- K8144—For Dodge, regular size..... .29 Set of 8 2.16
- K8145—For Chevrolet, regular size..... .32 Set of 8 2.56
- K8147—For Fordson, regular size..... .32 Set of 8 2.56



Regular Grade Valves FOR FORD CARS



Same quality engine valves as standard equipment of Ford cars. Furnished in regular standard size, also with 1-64" oversize stem, for use when motor block is worn around the valve stem. P3052—Standard size, each..... .9c P3052B—1-64" oversize, each..... .10 If your valve springs are weak, new ones will improve the running of your motor. P3504—Valve Springs, each..... .3c

Regular Grade Valve

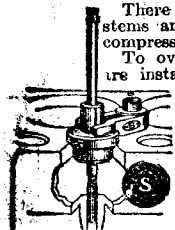
For All Model Chevrolets



This is a high grade, well finished valve of standard size for Chevrolet. Has good strong, close grained cast iron head firmly fixed to the stem. Stem is standard size. When valves get pitted or warped it pays to renew them. (Ship. wt., each 4 oz.)

- X8510—Standard Valve for Chevrolet..... .18

Oversize Valve Reamer Outfit FOR FORD CARS



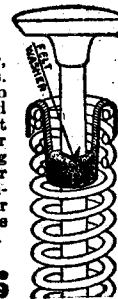
There is considerable wear between the valve stems and the valve guides, causing loss of compression and power.

To overcome this trouble, oversize valves are installed. This means a large bill at a repair shop unless you have this outfit, which will enable you to do the job as well as any mechanic.

Consists of valve stem reamer, 1-64 oversize, and the reamer guide, which insures an accurate job, and that valves seat properly. Impossible to ream out of line. High quality tool steel, guaranteed accurate. Shipping weight, 2 lbs.

- K8751—Complete set, reamer and guide..... 2.05
- H7376—Reamer only, for 1/4 oversize stem..... 1.05
- H7872—Guide only, for valve stem reamer..... 1.05

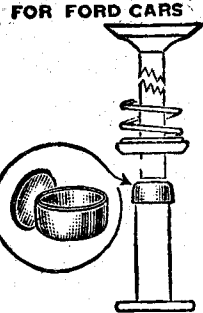
Valve Stem Packings FOR FORD CARS



When the valve guides on an engine wear, air is drawn in around the valve stems. This results in a "miss" that is hard to find and full power cannot be obtained from the engine. These packings consist of a special steel stamping and felt washer which is held in position by valve spring as shown in cut. The felt prevents air from entering the cylinders and also lubricates the valve stem, preventing further wear. They are necessary on the new cars as well as old, and are easy to install. Shipping weight, per set, 4 oz.

- Our Reduced Price
- H7618—Per Set of 8, complete..... .29

Valve Stem Adjusters FOR FORD CARS

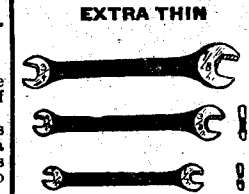


After a Ford car has been run a few thousand miles the ends of the valve stems and push rods become so worn that the valves are not timed properly, do not open soon enough and close too soon; also don't open wide enough; causing the engine to "skip" and lose power. Our special Ford Valve Stem Adjusters, with a supply of thin steel discs, will remedy this trouble. They just slip over the top of the push rod—very easy to install.

Full set consists of 8 adjuster caps, with a supply of steel discs to take up wear as needed. Ship. wt., 4 oz.

- H7412—Valve Adjusters, set of 8, complete..... .14

Genuine "Williams" Tappet Wrenches EXTRA THIN



Valve tappet wrenches of the highest quality, made of drop-forged steel, finely finished. Thin enough to reach the tappets easily, but sufficiently strong to meet all requirements.

- J7844—Wrench, 1/16" and 1/8" openings (#90) each .45
- J7845—Wrench, 3/16" and 1/4" openings (#92), each .55
- J7846—Wrench, 5/16" and 3/8" openings (No. 94G), each .65
- J7847—Wrench, 1/2" and 11/16" openings (#92D), each .55

Brass Thickness Gauge



For spacing valve tappets, spark plugs, magneto points, etc. Has 9 leaves viz., .002, .003, .004, .005, .006, .007, .008, .010, .032; the size is stamped into each leaf. Made of high quality brass. Leaves fold into handle like a jackknife. Ship. wt. 4 oz.

- J7889—Thickness Gauge..... .19

Swedish Steel Thickness Gauge

Made of highest quality long grain Swedish Steel. Has 9 leaves viz., .0015, .002, .003, .004, .006, .008, .010, .012, .015, from which an endless variety of combinations can be made. Leaves are 3 inches long and have sizes etched into the metal. Very accurate and finely finished. Folds up like a jackknife.



- J7879—Steel Thickness Gauge (Ship. wt., 8 oz.)..... .72

Automatic Valve Lifter

An easy-working valve spring lifter which automatically locks open when handles are squeezed together, so valve can be ground, if desired, without removing lifter. Separating handle instantly releases spring. Ship. wt., 1 lb.



58c

H7404—Automatic Valve Lifter..... .58

Lancaster Valve Lifter

Extra Quality at Moderate Price



An extra quality valve spring lifter of standard design, with locking mechanism that does not interfere with getting at valve pin, and no danger of accidentally tripping the lever and pinching your fingers. Strongly made and will stand rough usage. Fully guaranteed. Ship. wt., 2 lbs.

J7870—Lancaster Valve Lifter..... .39

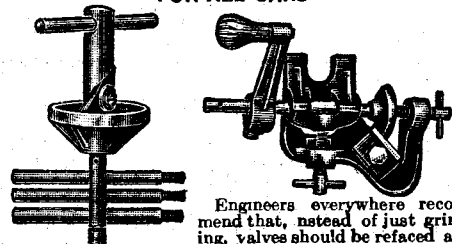
Valve Refacer and Reseater FOR FORD AND CHEVROLET CARS



These tools are designed for those who only intend to use them a few times. They are accurate, but for continuous use we recommend the "Sioux Tools."

H7394—Reseater only. (Shipping wt., 12 oz.)..... .55
H7396—Refacer only. (Shipping wt., 12 oz.)..... .30
H7395—Per pair. (Shipping wt., 1 1/2 lbs.)..... .78

Valve Refacer and Reseater FOR ALL CARS



blocks reseated to get that "snappy" valve action which means more power, faster pick-up, greater economy.

RESEATER

Our reseater will operate perfectly on all cars, trucks, and tractors whose valves are not over 2 inches in diameter. It has a tempered cutting blade and 4 detachable stems. Highest quality throughout. (Ship. wt., 1 lb.)

H7434—Universal Valve Reseater..... 1.45

REFACER

Just put in a vise, clamp valve in refacer, put the handle onto the valve, and adjust the tension. Turning the handle causes the blade to reface the valve smoothly and at exactly the correct angle (45 degrees). Easy to use, quick, and accurate. Well made in every respect. Operates perfectly on car with valves up to 2 inches in diameter. Ship. wt., 1 1/2 lbs.

H7435—Universal Valve Refacer..... 1.28
H7435X—Complete set of both the above tools 2.68

Western Valve Grinding Compound 17c

Put up in a special tin box with opening on each side and contains two grades—coarse and fine. Shipping wt., 4 oz.



H7441—Valve Compound, 2 oz. Can..... .17

Leader Valve Lifter

18c

Can be adjusted in an instant by using only one hand. The ratchet holds it in whatever position it is left and leaves both your hands free to remove valve pin. Made of strong material. (Shipping weight, 1 lb.)



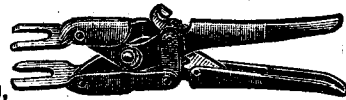
H7400—Valve Lifter, each..... .18

"Bull Pup" Parallel Jaws

UNIVERSAL VALVE LIFTER

95c

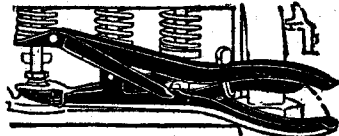
For Chrysler, Dodge, Essex, Ford, Overland, Oldsmobile, Oakland, Pontiac, Studebaker, etc.



Here is the best valve lifter we have ever seen at any where near our low price. Has chisel point jaws, permitting easy insertion and withdrawal. Double leverage easily compresses the stiffest valve springs with one quick squeeze. Parallel lift make jaws seat firmly and prevents spring wobbling or slipping. Plain Ratchet Lock is positive and holds jaws in any position. Handles are the right length to enable quick, easy work. Made of tempered cold rolled steel, so well-built that, with ordinary use, it will last a lifetime. Ship. wt., 1 lb.

H7336—Bull Pup Valve Lifter..... .95

K D Universal Valve Lifter



This is the well-known genuine K D Universal, the strongest, fastest, and best valve lifter made. It has six jaws and will

service all L-head motors. Jaws remain parallel when lifting. One squeeze—the spring goes up to the right height and stays there leaving both hands free to work. Ship. wt., 3 lbs.

J7873—K D Universal Lifter..... 1.95

Valve Grinding Spring

You can do a better job, quicker and easier, if you have one of our valve grinding springs to put under the valve while you grind. Enables you to watch your work constantly and keeps compound in right place. Special construction makes it amply strong to lift valve when you stop grinding but not too strong so that it tires you.



B5254—Valve-grinding Spring (Wt., 2 oz.) 5c

Clover Valve Grinding Compound



This well-known brand has long been a favorite with motor mechanics. Extra hard, sharp, abrasive. Best grease binder. Non-magnetic and will not remain in the pores of cast iron after use. Saves both time and labor, as well as insuring best results. Packed in handy double-end air-tight screw lid box, with equal quantities of both fine and coarse.

H7445—2-oz. Clover Compound..... .28

Water-Mixed Valve Compound

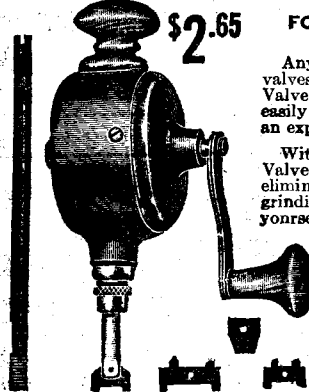
This is the logical valve grinding compound. Much quicker and cleaner than compounds mixed with grease, besides doing a better job. It is impossible to score a valve with this compound because the small particles of abrasive break down under grinding and leave a fine smooth finish. Handy rustproof can contains complete instructions.



H7460—Water-Mixed Valve Compound, 2 oz..... .19

Genuine Little Sioux Valve Grinder

Grinder Designed for Rapid Work



\$2.65

FOR ALL CARS

Anyone can grind valves with a "Sioux" Valve Grinder, just as easily and efficiently as an expert.

With the "Sioux" Valve Grinder you can eliminate expense by grinding the valves yourself during your spare time.

The cost of a "Sioux" is less than the cost of one grinding of the valves, yet it will last a lifetime.

QUICK AND EASY TO OPERATE

Turning the handle in one direction gives the valve the forward and back motion, which is absolutely necessary to perfect valve grinding. At the same time it automatically advances the valve on its seat, by alternating a full turn in one direction with a three-quarter turn in the opposite direction and insures an even grind.

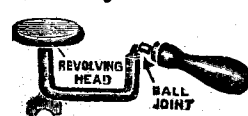
BALL BEARINGS THROUGHOUT

The "Sioux" Valve Grinder is ball-bearing throughout—makes the job short and easy. It has perfect balance and perfect stroke. Made of the best materials and workmanship. Will last a lifetime.

Comes complete with extension rod and four grinding bits, can be used on practically any car. Packed in substantial box. Shipping weight, 4 lbs.

H7424—Sioux Valve Grinder..... 2.65
H7423—Extra Set of 4 bits only, as illustrated with the Sioux Valve Grinder (Ship. wt., 8 oz.)..... .25

Handy Valve Grinder for Fords



This is a very convenient and easily operated Valve Grinder. Instead of the usual elbow and wrist motion employed, it is operated by a direct pull and push motion, the ball joint taking care of all upward,

downward or side motions, so that the hand may be moved in a natural manner.

The revolving brace grip on head is sufficiently high to prevent striking the fingers with the handle, yet is low enough to enable the operator to grind the No. 8 (which is the last valve and practically under the dash) as quickly and easily as any of the other valves. Shipping wt., 1 lb.

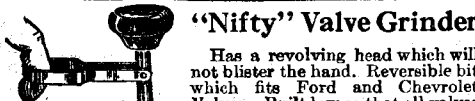
H7432—Handy Valve Grinder..... .42

Brace Type Valve Grinder



Notice the special swivel bit that can be quickly adapted to fit any valve. Very strong. Has 11 inch shank and revolving head. Ship. wt., 2 lbs.

H7427—Brace Type Valve Grinder..... .38

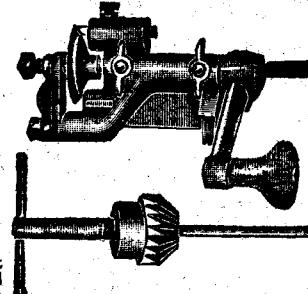


Has a revolving head which will not blister the hand. Reversible bit which fits Ford and Chevrolet Valves. Built low so that all valves are easy to get at. Well made of good material. Will last a life time. Shipping weight, 1 lb.

K8035—Nifty Valve Grinder, each..... .25

Genuine "SIOUX" Valve Tools FOR FORD AND CHEVROLET CARS

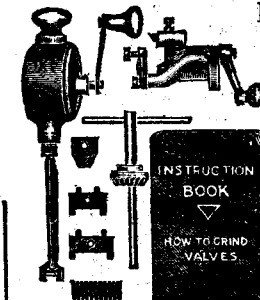
Produce perfect fitting valves and valve seats in your car. These tools will line up a worn valve or valve seat better in five minutes than an hour of grinding.



When your valves are badly pitted it is nearly impossible to get a perfect seal and the tools shown are designed to overcome this difficulty. The resacer reams out the valve seat and the refacer trims the valve to exactly the right angle. When your valves are worn you can of course get new ones, but new valves will not fit worn valve seats until the seats are reamed out smooth. You should always use these tools on your valves and valve seats before beginning to grind valves. These tools are well made and will do the work as well as a set costing five times their price. Every man who grinds his own valves needs this outfit. Made of the very best tool steel and fully guaranteed.

H7397—Sioux Valve Tools Pair (Ship. wt. 8 lbs.)..... 2.65
H7398—Refacer only, (1 1/2 lbs.)..... 1.35
H7399—Reseater only, (1 1/2 lbs.)..... 1.35

Little Sioux Valve Grinding Outfit



Most car owners neglect their valves, because they do not realize how important it is to keep them in perfect shape, and how easy it is to do this with the proper tools.

This outfit consists of the grinder, refacer and reseater shown above, a valve release spring and a book of instructions. This book is very complete with many illustrations showing every operation in

detail, making it easy for a beginner to do a perfect job. This book alone may be worth the price of the whole outfit to you. Grinder has extra bits to fit all cars. All tools fully guaranteed. Shipping weight, 8 lbs.

H7580—"Little Sioux" Valve Grinding Outfit, complete..... 5.45

"Speedy" Universal Valve Grinder FOR ALL CARS

One of the easiest operating valve grinders ever designed. It gives a smooth backward and forward movement. Works fast and will give complete satisfaction. Will grind a valve better and in half the time required with an ordinary tool. Has a short shank so as to reach the valve under the dash on a Ford, and a long shank for other places. Our price includes grinder, long shank, short shank and 4 bits that make the Speedy Grinder fit Ford, Chevrolet, Star, Dodge, Buick, and most other cars. Shipping weight, 2 pounds.

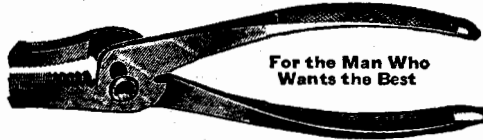
H7430—"Speedy" Valve Grinder..... 1.29

Bit Brace Valve Grinder

Blade is adjustable to fit any valve. Has swivel head so brace can set at an angle. Shank fits any standard brace. Ship. wt., 8 oz.

H7389—Bit Brace Valve Grinder..... .19

Genuine Kraeuter Slip Joint Pliers



Here is one of the most popular Kraeuter pliers. Forged from high carbon steel and accurately machined. Nickel-plated and has knurled handles. Wire cutter on handle side. Jaws so constructed that they will adjust themselves to any taper. Will grip pipes 1/4 to 1 1/2 inch in diameter. The harder you grip the deeper they bite. This is really a 7-inch plier that will do the work of any ordinary 10-inch plier and do it better.

H7289—Genuine Kraeuter Pliers. (Ship. wt. 1 lb.) .98

"Thin Nose" Slip-Joint Pliers



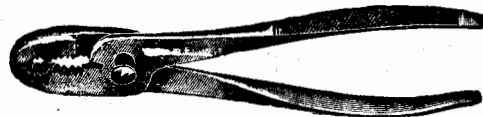
Thin-nose pliers are very convenient for getting into close places, yet strong enough for general all-around use. We offer two popular grades.

H7310 is made of highest grade tool steel, with jaws curved to one side, which adds greatly to their convenience; lets you reach places impossible to ordinary pliers. Is full nickel-plated with knurled handles. Has wire cutter, pipe grip and slip-joint features. Fully guaranteed.

H7311 is the usual standard grade thin-nose pliers with straight nose. Nickel plated, with slip-joint jaws and wire cutter; knurled handles. An exceptional value. Ship. wt., 1 lb.

H7310—7-Inch Curved-Nose Pliers (as illustrated) .74
H7311—6 1/2-Inch Thin-Nose Pliers, not curved, (not shown) .34

Extra Quality 10-inch Pliers



An extra heavy combination plier with great strength and leverage. Drop-forged steel, with knurled handles that won't slip. Made with wire-cutter and screwdriver. A very handy tool for the mechanic and the car owner. Shipping weight, 2 lbs.

H7284—10-inch Extra Quality Pliers .95

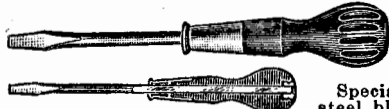
"Perfect Handle" Screw Drivers



This is the most durable screw driver on the market. Made of high grade steel, the blade and handle all in one piece, with pieces of hard wood inlaid on sides of handle, making an attractive, well finished tool.

H7179—4-in. blade (Ship. wt. 8 oz.) .27
H7180—6-in. blade (Ship. wt. 12 oz.) .37
H7181—8-in. blade (Ship. wt. 1 lb.) .48

Extra Quality Screw Driver



worked; passes through handle and is pinned through handle and ferrule. Oval wooden handle with ridges fit the hand—gives firmer grip. Made of best materials, nicely finished—absolutely guaranteed.

H7324—3-in. Blade (ship. wt., 6 oz.) .36
H7325—5-in. Blade (ship. wt., 8 oz.) .42
H7226—7-in. Blade (ship. wt., 10 oz.) .58

Combination Pliers 16c

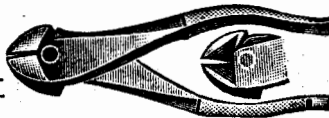
Made of good quality steel, accurately fitted and well made. Length 6 inches. Shipping weight, 8 oz.



H7260—Black finish pliers .16
H7261—Nickel finish pliers .25

Diagonal-Cut Pliers

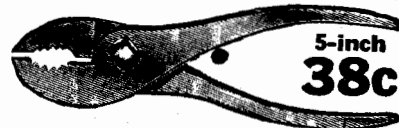
High quality diagonal-cutting pliers.



Cut very close and can be used in confined places. Edges perfectly fitted and meet accurately at all points. Very fine for working with insulated wire. Ship. wt., 1 lb.

H7291—5 inch, black finish pliers (not illustrated) .78
H7283—6 1/2 in. black finish (illustrated) .85

Extra Quality Combination Pliers

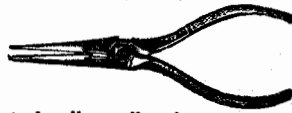


Has that perfect balance which is so well liked by mechanics. Drop forged from 60 carbon steel, thoroughly tempered, with cutting edges hand ground. Shipping wt., 1 lb.

H7275—7-inch nicked combination pliers .68
H7276—Special 5 in. nickel pliers, fine for close work. .38

Long "Needle-Nose" Pliers

Long nose, tapered to a small point, to handle delicate and "hard-to-reach" work. Excellent for fine electrical work, also carburetors and other parts where you have to handle small springs, screws or parts. Has side-cutting feature and comes in handy for a score of uses. Nicely finished, with polished head and knurled handles. Made of fine quality spring-tempered steel. Shipping weight, 8 oz.



H7350—6" needle nose pliers .78

"Leader" Screw Drivers

Our regular wood handle screw drivers are good quality material. Average shipping wt., 10 oz.



H7305—Regular 2" blade, small size .10
H7307—Regular 4" blade, medium size .12
H7308—Regular 6" blade, large size .15

Magneto Post Screw Drivers

Extra short screw drivers, but very strong. Especially adapted for use on the Ford magneto post, or any similar close place where a short, strong screw driver is required. About 5" long over all. Shipping weight, 8 oz.



H7318—With thick handle .28
H7319—With slim handle .18

4-in-1 Screw Driver

Our 4-in-1 screw driver is a very handy tool; the three small ones telescope inside of large one. Length 6 inches. Made of tempered carbon steel, very serviceable. Especially suitable for lamp sockets and all electrical work. Ship. wt., 8 oz.

H7304—4-in-1 Screw Driver .45

1.55 Handy Tool Grinder For Garage or Household Use



A good grinder is really a necessity in every garage or home. Our grinder is absolutely highest quality throughout and should not be confused with cheap, inefficient grinders sometimes offered. Height, 8 inches, strong clamp; easy operating, best emery wheel, 4 inches. Finished in high-grade dark colored enamel.

H7687—Handy Tool Grinder. (Ship. wt. 4 lbs.) .1.55
H7683—Replacement wheel for tool grinder, 4 inch diameter, 1 inch thick with 1 inch hole. (Ship. wt. 1 lb.) .72

Ball Pein Hammers



Good quality, drop forged steel, nicely finished, with good strong handle.
H7320—8 oz. Hammer .34
H7321—12 oz. Hammer .39
H7322—16 oz. Hammer .42
H7339—24 oz. Hammer .49

The "Handy Hammer" Handy Hammer

consists of a 10 oz. steel Ball Pein Hammer with a hollow steel handle holding 3 different size screw drivers which screw compactly one into the other and then all screw into the handle. Really gives you 4 tools in 1. Your screw drivers are always where you can find them. The whole tool is built of the best materials and well made. Will last a lifetime. Length 7 1/2 inches. A handy tool for your tool box. Ship. wt. 8 lbs.
H7305—Handy Hammer, complete .98

Files—Best Quality Guaranteed

High quality files for general use around car and garage. Flat files useful in fitting piston rings, etc. Av. Ship. wt., 8 oz.
H7331—6" flat file .14
H7332—10" flat file .24
H7333—6" round file .14
H7334—10" round file .24
H7335—6" three cornered file, extra slim taper .14

File Handles

Strong steel with set screw. Allow a better grip that lets you do better work in less time and far more comfortably. H7338—File Handle (Ship. wt., 4 oz.) .14

Steel Rule

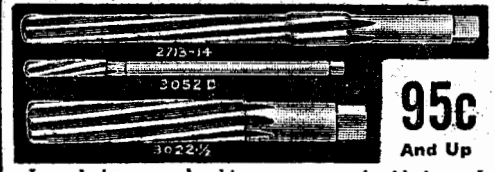
Handy rule of spring-tempered steel, with accurate, deep cut, plainly marked graduations. Comes in a neat case. Shipping wt., 2 oz.
H7617—Steel Rule and Case, 1/2 inch wide, 6 in. long .25

Punches



Finely finished, high quality punches (as illustrated) for every job; at a worth-while saving. Ship. wt., 8 oz.
H7290—Short Pin Punch, 1/8" point, 6" long .18
H7293—Center Punch, 1/8" diameter, 4" long .20
H7294—Center Punch, 1/8" diameter, 6" long .25
H7292—Prick Punch, 3/16" diameter, 4" long .15
H7297—Long Pin Punch, 1/8" point, 6" long .34
H7295—Long Pin Punch, 1/8" point, 9" long .34
H7296—Long Pin Punch, 1/8" point, 9" long .34

Reamers For Ford Bushings



In replacing worn bushings, a reamer should always be used to insure a smooth accurate fit. Our reamers are the spiral fluted type so built that the reamer cannot chatter and jump in the bushing and cause uneven, ragged work. The spiral flutes cut easily and smoothly with a shearing motion. Made of the highest grade tool steel, accurately machined and especially heat treated to insure a perfect cutting edge. Each reamer fully guaranteed. Aver. ship. wt., 1 lb.

H7373—For Spindle Bushings No. 2713-2714, 1/2" diameter .95
H7374—For Piston Pin Bushings No. 3022 1/2, 1/2" diameter .98
H7375—For Cam Shaft Bushings No. 3042-3-4, 1/2" diameter 1.55
H7376—Valve Stem (1/2" oversize) No. 3052B, 1/2" diameter 1.05
For Valve Reamer Guide, See Page 107.
H7377—Push Rod (1/2" oversize) No. 3058B, 1/2" diameter 1.25
H7378—Trans-Triple gear flanged bushing No. 3314 1/2, 1 1/4" diameter 1.18
(No. H7373 also fits spring perch bushings)

Main Bearing Reamer

This reamer aligns and smooths all three crank shaft bearings at one operation and can then be shifted to ream connecting rod bearings. It leaves a finished, perfect fitting, glass-smooth bearing, which will wear well. Made of finest quality tool steel. This is a spiral fluted reamer and is far superior to those with straight flutes which are sometimes offered. Shipping weight, 10 lbs.
H7379—Main Bearing Reamer .12.90

Tapered Reamer

A tool designed to make a larger hole out of a small one. Will enter a 3-16-inch hole and will enlarge it up to 7/8 inch. Will easily cut 3/8 in. steel. Made of best tool steel. Ship. Wt. 8 oz.
H7299—Tapered Reamer, each 1.12

Bushing Removers

For removing spindle body and spindle arm bushings and piston bushings. Handle of spindle body bushing remover is inserted and tool is pulled through until expanders slip over inside end of bushing. Tapping with hammer removes bushing. Ship. weight 8 oz.
H7384—Spindle Body Bushing Remover .22
H7385—Spindle Arm Bushing Remover .22
H7386—Piston Bushing Remover .22
X9950—Set of 3 Bushing Removers .58

Hub Cap Wrench

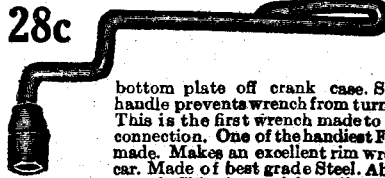
Made of pressed steel. Fits hub caps, spindle nuts and many makes of spark plugs. Shipping weight, 1 lb.
H7186—Hub Cap Wrench .10

Cold Chisels

Made of high grade material, nicely finished. Shipping weight, each, 8 oz. Our Reduced Price
H7287—1 1/2-inch diameter, 6 inches long .19
H7288—1 1/2-inch diameter, 6 inches long .24

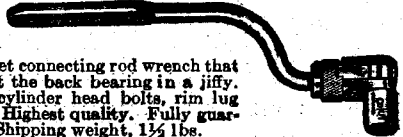
Connecting Rod Wrench

28c



Reaches connecting-rod bearing by simply taking bottom plate off crank case. Special curved handle prevents wrench from turning in hands. This is the first wrench made to fit the fourth connection. One of the handiest Ford wrenches made. Makes an excellent rim wrench for Ford car. Made of best grade Steel. Absolutely guaranteed. Shipping weight, 1 lb.
H7106—Connecting Rod Wrench..... **.28**

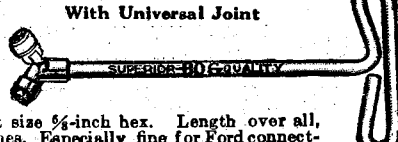
Ratchet Connecting Rod Wrench



A ratchet connecting rod wrench that will get at the back bearing in a jiffy. Also fits cylinder head bolts, rim lug nuts, etc. Highest quality. Fully guaranteed. Shipping weight, 1 1/2 lbs.
J7798—Ratchet Conn. Rod Wrench..... **1.48**

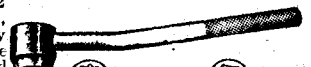
Flexible Joint Wrench

With Universal Joint



Socket size 3/4-inch hex. Length over all, 13 1/4 inches. Especially fine for Ford connecting rod bolts, also fits cylinder head cap screw, water inlet connecting cap screw. Solid steel.
J7802—Flexible Wrench (Ship. wt., 1 1/2 lbs.)... **1.55**

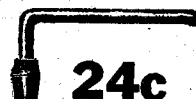
12 Corner Connecting Rod Wrench



This wrench has 12 corners in place of 6, and is particularly adapted for use on the 4th connecting rod bolts on Ford cars. It will tighten or loosen the nut easily because it requires only about one-half the space to operate it that the ordinary wrench requires. Well made of good materials. Nickel finish. Ship. wt., 1 lb.
J7892—12-Cornered Wrench..... **.42**

Carburetor Wrench for Ford Cars

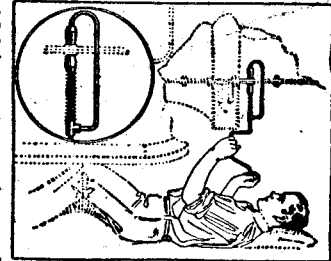
24c



Removing the Ford Carburetor has been an exceptionally difficult task. This wrench makes it easy.
J7841—Carburetor Wrench (Wt., 1 lb.)... **.24**

"SPEEDY" WRENCH for FORDS

For Transmission Cover and Engine Base Bolts



With the "Speedy" wrench one man can remove all the bolts around transmission cover without assistance, making it an easy and quick job to reline transmission bands. The saving of time on one job will often pay for the wrench. Very extensively used by Ford repair men. Well made of best grade steel, satin nickel finish. Both the brace wrench and the bolt holder have fine machined sockets. The bolt holder works on a slide on the shank of main wrench and a coil spring holds it securely in place while in use. Our Reduced Price
H7200—"Speedy" Wrench (Ship. wt., 3 lbs.)..... **.98**

Genuine "Williams" Wrenches

One of the best known wrenches; made of high quality steel, tempered and nicely finished, with sizes stamped on each wrench. Ship. wt., each 8 oz.




15 DEGREE ANGLE ENGINEERS' WRENCHES

Our No.	Openings Milled	Williams Number	Length Inches	Price Each
H7212	1/2 & 3/4	81	3 3/4	.19
H7213	3/4 & 1	28	4	.23
H7214	3/4 & 1 1/4	25	4 1/2	.26
H7215	3/4 & 1 1/2	27	5 1/2	.34
H7216	3/4 & 1 3/4	29	6 1/2	.41
H7217	3/4 & 2	81	7 1/2	.49

15 DEGREE LIGHT CAP SCREW WRENCHES

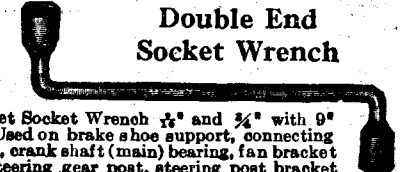
Our No.	Openings Milled	Williams Number	Length Inches	Price Each
H7207	1/2 & 3/4	723	4	.23
H7208	3/4 & 1	725	4 1/2	.26
H7209	3/4 & 1 1/4	725-B	4 1/2	.28
H7217	3/4 & 1 1/4	727	5 1/2	.34
H7218	3/4 & 1 1/2	729	6 1/2	.41
H7219	3/4 & 1 3/4	731	7 1/2	.49

Connecting Rod Clamp Screw Wrench




A wrench of this shape is a real necessity to tighten or loosen the clamp screw that fastens the connecting rod to the piston pin. Length 10". Shipping wt., 1 lb.
H7165—Connecting Rod Clamp Screw Wrench.... **.35**

Double End Socket Wrench



An Offset Socket Wrench 3/4" and 1/2" with 9" handle. Used on brake shoe support, connecting rod clamp, crank shaft (main) bearing, fan bracket spindle, steering gear post, steering post bracket spindle, connecting rod and front radius rod.
H7108—Double End Wrench (Ship. wt., 1 1/2 lbs.)... **.34**

"Giant" Main Bearing Wrench




Socket size, 1 1/2-inch square. Length over all 11 inches. Fits head of main bearing bolts. Extra strong and special shape to make getting to the main bearing bolts easy.
H7109—Main Bearing Wrench (Ship. wt., 2 lbs.)... **.34**

Triple Socket Wrench



A very useful wrench with two 3/4 inch and one 1/2 inch hexagonal sockets. Made especially for clearance around cylinder head bolts, also fits brake and reverse support, water intake and outlet screws, differential case, drive case, drive shaft and roller bearing, rear axle housing, crank case lower cover. Made of best grade steel.
H7122—Triple Socket Wrench, Ship. weight, 1 lb. **.34**

Fly Wheel Wrench



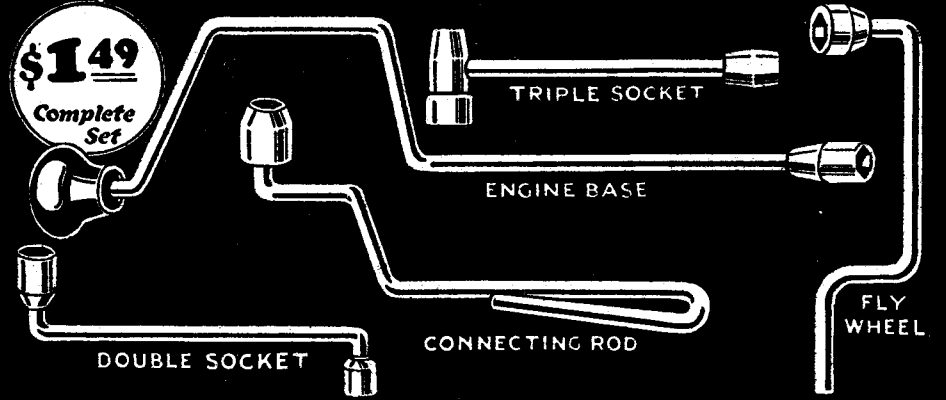
Used on the fly wheel cap screws, size of socket 1 1/2-16". It has been considered an impossibility to reach these screws with a socket wrench. Here is a strong wrench that makes this ugly place accessible.
H7103—Fly Wheel Wrench, Ship. wt., 1 lb..... **.27**

FORD OWNERS' WRENCH SET

"JUST THE WRENCHES YOU NEED FOR YOUR FORD"

Finest quality wrenches made. Every socket accurately cut from fine bar steel.

\$1.49 Complete Set



TRIPLE SOCKET
ENGINE BASE
CONNECTING ROD
DOUBLE SOCKET
FLY WHEEL

There are many nuts and bolts on the Ford car which cannot be reached without special wrenches. The tools we offer are specially shaped to reach with speed and ease practically every bolt and nut on the Ford car, without danger of slipping off to damage bolts or injure fingers. Made of strong, heavy steel with sockets accurately broached. Equally essential for overhauling or just tightening up. Every Ford owner and repair man should have this set which includes the five wrenches listed below.

TRIPLE SOCKET WRENCH.

Socket size 3/4 in. and 1/2 in. hex. The double end socket has been designed particularly for clearance around cylinder head bolts and other places. Used on cylinder head, brake and reverse support, cylinder inlet and outlet connections, differential case, drive shaft roller bearing, front spring tie bolts, rear axle housing, crank case lower cover, controller shaft bracket.

CONNECTING ROD WRENCH.

3/4-inch hex. socket. Fits all connecting rods, including the fourth without removing the engine from the car. Makes an excellent rim wrench.

ENGINE BASE SPEED WRENCH.

11-inch shank. 9-16 inch socket. For use on trans. cover nuts, engine base bolts and many other places.

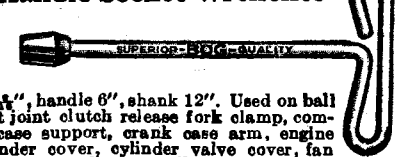
DOUBLE SOCKET OFFSET WRENCH.

Socket sizes 9-16 in. and 3/4 in., handle 11 in. Used on brake shoe support, connecting rod clamp, crank shaft (main) bearing, fan bracket spindle, steering gear post, steering post bracket, spindle connecting rod, and front radius rod. Fits main bearing bolt heads.

FLYWHEEL WRENCH.

Socket size 11-16 in. hex. Used on flywheel cap screws, heretofore considered an impossible place for a socket wrench. A difficult place made accessible. Order this set of wrenches and be prepared to make all adjustments and do all the repairing necessary on your Ford car. Shipping weight, 5 lbs.
H7100—Complete Set of Five Wrenches **1.49**


T Handle Socket Wrenches



Socket 1", handle 6", shank 12". Used on ball and socket joint clutch release fork clamp, compressor case support, crank case arm, engine bolts, cylinder cover, cylinder valve cover, fan adjustment, front radius rod ball, inlet exhaust clamp and muffler bracket. Shipping weight, 1 1/2 lbs.
H7116—T-Handle Wrench..... **.35**

Socket 3/4" for brake and reverse and brake shoe support, cylinder inlet and outlet, cylinder head, drive shaft roller bearings, front and rear spring tie bolt. Ship. wt., 1 1/2 lbs.
H7118—3/4" T-Handle Wrench..... **.35**

Speed Wrenches



Highest quality steel wrenches with sockets machined from solid bar and broached accurately to size. Every wrench guaranteed. Indispensable for fast work on automobiles. Length over all, 19 1/4 in., handle 6 in. shank 12 in. Made of best grade steel. Ship. wt., 2 lbs.

H7128—Socket opening 3/4 in. (fits ball socket joint crank case arm, engine bolts, cylinder cover, transmission cover and universal bolts on Ford cars), each..... **.42**

H7129—Socket opening 1/2 inch. (Fits cylinder inlet and outlet bolts, cylinder head bolts and many other bolts on Ford cars), each..... **.42**

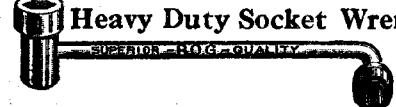
J7670—Socket opening 1/2 inch, each..... **.42**

J7671—Socket opening 3/4 inch, each..... **.42**

J7672—Socket opening 1 1/4 inch, each..... **.42**

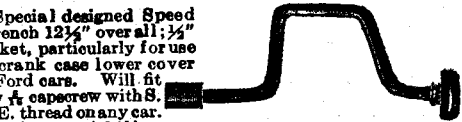
J7673—Socket opening 1 1/2 inch, each..... **.42**

Heavy Duty Socket Wrench



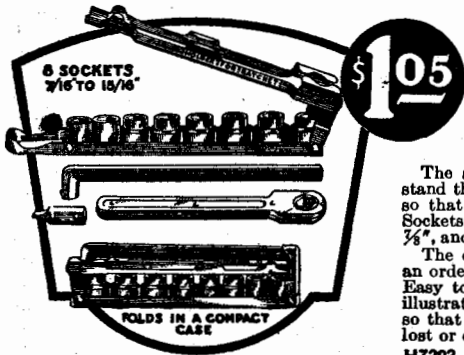
A Triple Socket Offset Wrench. Socket eyes 1 1/2", 1 1/4" and built especially for heavy duty; used on drive shaft hub, front spring clip, hub bolts and nuts, radius rod hub lock, rear spring clip, spindle arm and body bolts. Made of best grade steel. Ship. wt., 2 1/2 lbs.
H7142—Heavy-Duty Socket Wrench..... **.49**

Crank Case Lower Cover Wrench



Special designed Speed Wrench 12 3/4" over all; 3/4" socket, particularly for use on crank case lower cover of Ford cars. Will fit any 1/4 cap screw with 8 A. E. thread on any car. Shipping wt., 1 1/2 lbs.
H7114—Short Speed Wrench, 3/4" socket, each.. **.39**

Improved "Dreadnaught" Wrench Set



Notice in the illustration what a compact outfit this is. It is the ideal small set for your tool box; complete and compact, sockets that can not fall out and get lost—always ready, always together and in order, and at a price within the reach of everyone.

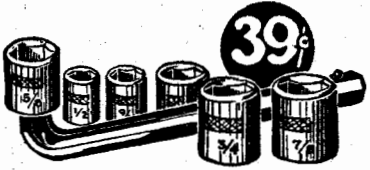
Consists of one extra long (9-inch) and strong (3/4" steel) Offset Handle which is very powerful; one 7 1/2" Ratchet Handle, well made and very handy and speedy; one short extension which has also a screwdriver point; and eight sockets.

The sockets are made of high grade steel, correctly tempered to stand the hardest work; and are accurately broached and countersunk so that they slip onto nuts and bolt heads easily and fit perfectly. Sockets are the following popular sizes: 1/16", 1/8", 9/16", 3/8", 11/16", 3/4", 7/8", and 1". The size is stamped on each socket.

The case is strong and is finished in polished nickel. It furnishes an orderly, compact, convenient way to keep the set when not in use. Easy to open—easy to close. It has a patented locking sleeve (see illustration) that holds the sockets and ratchet securely in the case so that no matter how the set is thrown about there can be no parts lost or damaged and it is always ready for use. Ship. wt., 2 lbs.

H7203—Dreadnaught Socket Wrench Set..... 1.05

Leader Socket Set

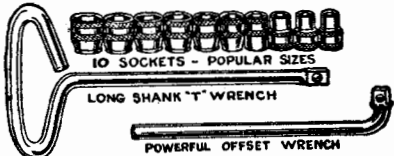


Consists of an offset handle equipped to hold sockets on both ends and six sockets as follows: 1/16", 1/8", 9/16", 3/8", 11/16", 3/4", and 7/8".

11/16", 3/4", and 7/8". The handle is 7 inches long and is made of tough steel with polished nickel finish to prevent rust. The sockets are machine turned from high carbon steel, case-hardened and finished in polished nickel. They are rust-proof, accurate and strong and will give good service. Ship. wt., 1 lb.

H7133—Leader Socket Set, with a leatherette bag for carrying..... 39

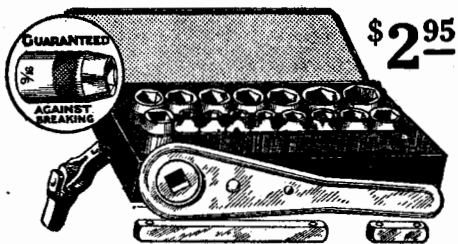
Handy Socket Wrench Set



This is a very handy set for work around the car. Ten sockets, sizes 1/16", 1/8", 9/16", 3/8", 11/16", 3/4", 7/8", 1", all hex, and 1/4" square for Ford main bearing bolts, makes this set especially useful and handy to the Ford owner. The 2 handles, a powerful offset and a long shank T-wrench, enable you to easily reach practically every bolt and nut. Made of cold rolled steel, sockets especially hardened and guaranteed unbreakable. Sockets and handles nickel-plated.

H7585—Handy Socket Set (Ship. wt., 3 1/2 lbs.).... 1.58

"All-Purpose" Socket Wrench Set



\$2.95

This is the ideal set for work around the car, truck, and tractor, for the ratchet handle is one of the fastest tools ever devised. The sockets are the correct sizes to take care of practically every bolt and nut. The set consists of 15 hexagonal sockets: 1/16", 1/8", 9/16", 3/8", 11/16", 3/4", 7/8", 1", and 1 1/4" and one 1/4" square socket together with one non-jamming ratchet with 9-inch handle, 1 short extension for ordinary use, 1 long extension for reaching inaccessible places, and 1 universal joint for places which you can't get at directly. Every piece in this set is of cold rolled steel, finished in full polished nickel plate. The sockets are so strong and durable that we guarantee them and will replace free of charge any that you break. Set comes in a strong steel box finished in green enamel. Ship. wt., 6 lbs.

H7584—All-Purpose Socket Wrench Set..... 2.95

Utility Wrench Set



95¢

- 8 Sockets
- Ratchet Handle
- Offset Handle
- Extension

Strong Steel Box with Hinged Lid

Set consists of an offset handle 7 1/2" long, a ratchet 7" long, and a short extension, together with 8 sockets in the following sizes: 1/16", 1/8", 9/16", 3/8", 11/16", 3/4", 7/8", and 1"; all made of cold rolled steel and nicely finished. Set comes in a strong steel box with hinged lid. Ship. wt., 2 lbs.

H7588—Utility Socket Wrench set..... 95

Combination Tap and End Wrench Set

A handy set of five end wrenches, with openings ranging from 3/4" to 1", having also center openings for use as tap wrenches, fitting the most popular sizes. Stamped from a special grade of steel, and hardened to stand rough usage. Packed in paper box. Shipping weight, 1 1/2 lbs.

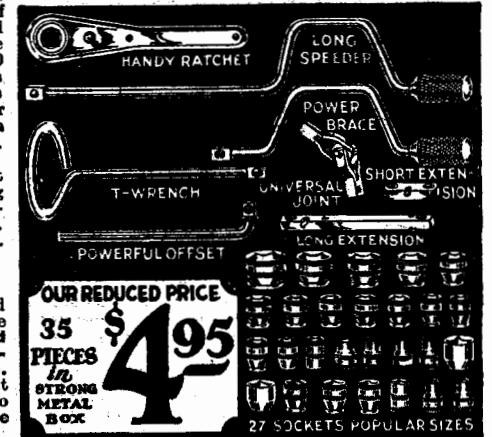
H7328—Set of 5 wrenches as shown..... 42

35 Piece Wrench Set in Strong Steel Tool Box

For the Car Owner, the Garage Man, the Farmer, and the Home Owner

Here is the biggest wrench set value we have ever offered. Our big volume of business in our chain of stores and our direct-from-factory-to-car-owner method of distribution enable us to offer you this big, complete set at a price that shows you a savings of about \$5.00 over what you are usually asked for sets that are not as complete, as well finished or as well made as ours. This wrench set will let you get at practically any bolt or nut on any car, truck, tractor, sewing machine, farm implement, separator, or any other piece of machinery.

This Superior Complete Socket Wrench Set consists of one Long Speed Wrench, one Short Brace, one Ratchet Wrench, one T-Wrench, one Offset Wrench, one Long Extension Bar, one Short Extension Bar, and one Universal Joint, together with 19 hex. and 8 square sockets. Handles have quick snap-on feature to hold sockets. Openings of hex. sockets are 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 1/2", and 1 3/4". Openings of square sockets are 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 1/2", and 1 3/4". Sockets are machined from a special cold rolled solid steel bar; they are specially treated to make them hard, tough and durable, and every socket and handle is guaranteed unbreakable and will be replaced free of charge if any become broken. Handles, extension bars and universal joint are best grade steel, burnished nickel finish. A wrench set to be proud of. Our Reduced Price H7590—Complete set in strong steel box (Ship wt., 12 lbs.)..... 4.95



OUR REDUCED PRICE 35 PIECES 1/2" STRONG METAL BOX \$4.95 27 SOCKETS POPULAR SIZES

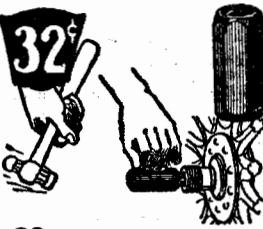
Dandy Wheel and Gear Puller

A high grade wheel and gear puller for universal use. Sorew and hooks are made of fine quality steel, scientifically hardened and drawn. By changing position of the hooks, either a two, three or four hook puller may be had. This allows automobile wheels to be removed without trouble even when they contain an uneven number of spokes. An extension bar is also furnished, providing for a wide range of adjustments, making it possible to catch the circumference of an 18" brake drum. Regular price \$6.00. Our Reduced Price H7366—Dandy Puller, (Ship. wt., 8 lbs.)..... 3.95



"Knockout" Wheel Pullers

Pulls any kind of a wheel, even wire, in one third the time required with any other puller. Leaves axle in perfect condition. Just jack up the opposite wheel, remove axle nut of the wheel to be removed, screw on the "Knockout," strike sharp blow—wheel is off. Shipping weight, 1 lb. H7367—Fits Ford, Star, and Chevrolet 490..... 32 H7368—Fits Chevrolet F. B. Superior and 1925 Model K, Dort, Franklin, Maxwell and Moon.... 32 H7369—Fits Chalmers, Chandler, Cleveland, Columbia, Dodge, Empire, Essex, Ford Ton Truck, Grant, Hudson, Lexington, Monroe, Mitchell, Nash, Oakland, Oldsmobile G, Paige, Roamer, Stephens, Studebaker, Templar, Vellie, Wesscott..... 32



Rear Wheel Pullers

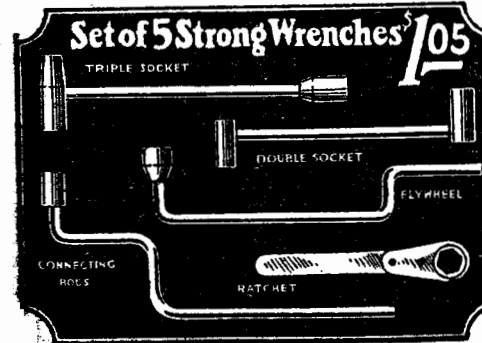
FOR FORD AND CHEVROLET Simply screw this wheel puller tightly on the Hub Cap threads. Then screw up the center bolt and the wheel is gradually forced off. Does not mar the wheel in any way. (Ship. wt., 2 lbs.) H7361—Regular Wheel Puller for Ford and Chevrolet 490 (illustrated) .36 H7364—Wheel Puller for Ford Trucks, Maxwell, and 1924 to 1927 Chevrolet (wt. 4 lbs.), each 58



Handy Handle Wheel Puller Substantial Wheel Puller designed especially for Ford and Chevrolet 490 cars. Made with extra long handle to increase leverage. Equipped with set screw for tightening puller around hub. An excellent value at our price. Ship. wt., 3 lbs. Our Reduced Price H7393—Handy Handle Wheel Puller ... 39



Ford Owner's Special Wrench Set

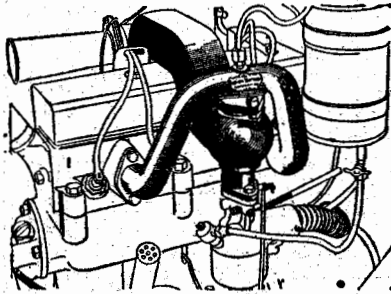


Set of 5 Strong Wrenches 1.05

Will take care of practically every job around a Ford car quicker and better. Prevents rounding off the corners of nuts and bolt heads and cutting knuckles. Made of 1/2-inch cold rolled steel. The sockets are very durable, and accurately broached. Sockets and handles are fixed firmly together by swedging. Finished in satin nickel. Triple Socket Wrench: Two 5/8-inch and one 1/2-inch sockets. Length 10 inches. For cyl. head bolts, inlet and outlet conns., differential, tie bolts, crank case lower cover, etc. Double Socket Wrench: One 3/4-inch and one 5/8-inch sockets. For steering gear, radius rod, main bearing, etc. Connecting Rod Wrench: One 5/8-inch socket. Length 10 1/2 inches. Special shape to reach all connecting rods (even the 4th) and rim nuts. Flywheel Wrench: One 1 1/4-inch socket. Length 12 in. Special shape to easily reach flywheel cap screws. Ratchet: For tightening or loosening transmission bands. Makes this tedious job easy. H7592—Ford Owners Wrench Set (Wt. 4 1/2 lbs.).. 1.05

SPECIALS for CHEVROLETS SAVE 20 to 50% SATISFACTION OR MONEY BACK

ECONOMY VAPORIZER



Saves gasoline, saves oil, makes your Chevrolet even more powerful, smoother running, cooler; freer from carbon, and more economical.

We absolutely guarantee that an Economy Vaporizer on your Chevrolet will increase your gasoline mileage from 25% to 50%; will completely vaporize even the cheapest gasoline, giving more speed and power, better pick-up, smoother running, and cutting down carbon; will make the engine run cooler; will prevent oil dilution and cut down your oil bill; will eliminate fouled spark plugs, and make your car start easier.

We don't want you to take our word for this, but we want you to prove to yourself on your own car the tremendous value of this wonderful Vaporizer. Order one today; install it (you can do it in 45 minutes); test it out 30 days. If then you are not satisfied in every way return it and we will refund every cent you paid.

D6035—Economy Vaporizer Chevrolet (Ship. wt., 22 lbs.)... **9.85**

Replacement Brake Bands



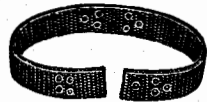
Often the bands as well as the lining, are worn out or bent out of shape, or the knuckles are loose or badly worn, or the bands have lost their spring. With our brake bands you can have entirely new bands and lining at less cost than you are usually asked for the lining alone. Not only do you save money but you can put them on in

an hour, and have brakes that are as strong as when the car was new. Ship. wt., each, 2 lbs.

- K7977—Band comp., 1922-23, 490 and Sup., each **1.30**
- set of 2 **2.45**
- K7978—Band comp., 1924 Sup., each **1.30**; set of 2 **2.45**
- K7979—Band comp., Model K, each **1.25**; set of 2 **2.35**
- K7980—Band comp., Model V, each **1.65**; set of 2 **2.98**

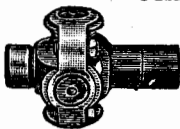
Brake Lining With Holes Punched

Best quality woven brake lining, cut to the proper length for relining Chevrolet bands. Complete with rivets for installing. Makes job much easier and quicker—no lining to cut or holes to punch. An additional worthwhile feature is the fact that holes have been made to give clearance to the rivet heads that hold the brackets to the metal band, letting brackets be properly adjusted without having to "wear down the high spots."



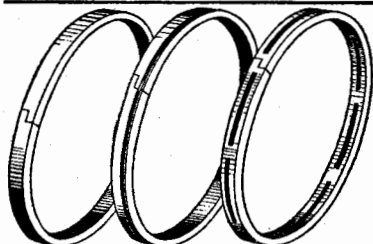
- Ship. wt., pair, 3 lbs.
- D6132—Set of 2, all models, Superior, Chevrolet... **1.28**
- D6133—Set of 2, all model K, Chevrolet... **1.28**
- D6134—Set of 2, all Model V, Chev. and Pontiac... **1.48**

Universal Joints



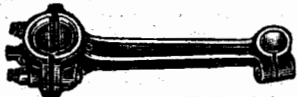
Accurately machined, replacement universal joints, standard quality and size. Joint with 6 splines is for Chev. 490 and Sup.; joint with 10 splines is for Chev. Models K, V, and AA. Ship. weight, 4 lbs.

- P2002—Universal Joint, 6 spline... **4.35**
- P2003—Universal Joint, 10 spline... **4.35**



STEP-CUT OIL-GROOVE VENTILATED

Connecting Rod



Standard weight, drop forged, replacement connecting rod, complete with bolts, bearing and 6 shims, ready to put into your car. Bearing is of S. A. E. babbitt and is bored with oil holes. Fits models K, V, and AA.

- K8014—Connecting rod complete for models K, V, and AA. (Ship. wt., each, 4 lbs.)... **1.35**

Replacement Pistons

FOR ALL MODEL CHEVROLETS

Highest quality, standard weight, carefully made of gray iron under an improved process that insures exact roundness, and nicely finished. Piston pin is fitted in them so that by using our pistons you can do your own work without buying reamers and without technical knowledge. Furnished without rings so you may select the ring you wish (see bottom of page). Ship. weight, 3 lbs.



- K8025—Piston .003 oversize... **1.18**
- K8026—Piston .005 oversize... **1.18**
- K8027—Piston .010 oversize... **1.18**

Valves



Regular size valves. Two qualities to choose from. Shipping weight, each, 4 oz.

P2004—Regular Grade Valve, good close grained cast iron head, welded to stem, ea. Set of 8... **1.58**

K8145—Super Quality Steel Valve, special analysis steel head, electrically welded to stem. Stem is ground to exact size, will outwear several cheaper valves, each... Set of 8... **2.99**

Starter Clutch Spring and Generator Brush

Standard size, extra quality, replacement parts.

- P2001—Starter Clutch Spring, Chev. all models (Wt., 8 oz.)... **32**
- B5511—Generator Brush, Models Sup., K, V and AA... **14**

PISTON RINGS

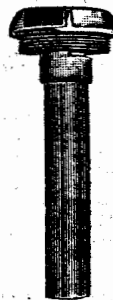
FOR ALL MODEL CHEVROLET CARS

You will have no difficulty in installing a new set of rings in your Chevrolet car. New rings add power, speed and rapid pick-up; make your car run much smoother; and save gasoline and oil. Furnished in oversizes to allow for wear on the cylinder wall. For full description of these rings see pages 90 and 91. Ship. wt., each, 4 oz.

- K8267—Step Cut ring, 3 1/4 x 3/8, .0025 oversize... **1.28**
- K8278—Step Cut ring, 3 1/4 x 3/8, .005 oversize... **1.28**
- K8279—Step Cut ring, 3 1/4 x 3/8, .010 oversize... **1.28**
- X8730—Oil Groove ring, 3 1/4 x 3/8, .0025 oversize... **1.28**
- X8739—Oil Groove ring, 3 1/4 x 3/8, .005 oversize... **1.28**
- X8740—Oil Groove ring, 3 1/4 x 3/8, .010 oversize... **1.28**
- K8157 F—Ventilated ring, 3 1/4 x 3/8, .0025 oversize... **1.28**
- K8157 H—Ventilated ring, 3 1/4 x 3/8, .005 oversize... **1.28**
- K8157 J—Ventilated ring, 3 1/4 x 3/8, .010 oversize... **1.28**

HUNDREDS OF ARTICLES HERE and ON OTHER PAGES ADD COMFORT, ECONOMY & EFFICIENCY To

CHEVROLETS



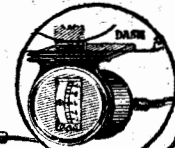
Visible Gasoline Gauge

Eliminates all guessing as to how much gas you have, how much you need, and whether you get actually what you pay for. Replaces regular filler cap. Made of the best materials, nicely finished, with etched dial, and glass enclosed face. Enclosed float mechanism insures accuracy. Heavy cork gasket prevents leakage of gas around cap. Nothing to get out of order. Will last indefinitely. Will not fit roadster or utility coupe. (Ship. wt., 1 1/2 lbs.)

- G7049—For Superior Model, each... **.78**
- G7050—For 1925 Model K, all models, each... **.78**
- G6981—Special Gauge for 1926 Model V... **.78**

Kirstin Dash Gasoline Gauge

A very popular dash gauge that combines accuracy, safety, convenience, easy installation and distinctive appearance. Beautifully nickel-plated gauge head clamps on the dash—always in plain view. Operates from the weight of the gasoline in the tank—no gasoline leaves the tank—no leakage—no danger. No float—always accurate. A great convenience that may save you a long walk. For full description see page 44.



- G6992—Kirstin gauge, complete for all Chevrolets with tank in rear (Ship. wt., 3 lbs.)... **3.95**

Pedal Pads and Accelerator Pedal



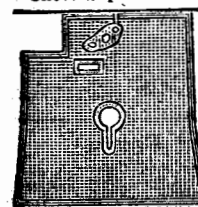
Pedal pads are rubber pads held in metal frames, which clamp over clutch, and brake pedals. Easy on the feet and shoes—prevent feet from slipping off pedals. Foot-shaped accelerator pedal with rubber pad provides greater comfort for the foot and makes feeding smoother. Old accelerator rod is replaced by one which hooks on pedal—making it a single unit with no lost motion.

- D5953—Driving set (2 pedal pads, 1 accelerator pedal with accelerator rod.) (Ship. wt., 2 lbs.)... **.75**
- D5952—Set of 2 pedal pads only. (Ship. wt., 1 lb.)... **.45**
- D6014—Accelerator Pedal only (no extra rod.) can be used on practically any car. (Ship. wt., 1 lb.)... **.35**

Hub Caps for Chevrolet

Substantial, nickel-plated hub caps for Chevrolet 490 and Superior. Ship. wt., 4 oz.

- A5166—For Chevrolet Superior K, and V, each... **.16**
- A5167—For Chevrolet 490, each... **.16**
- A5149—Hub cap with fitting for use with Alemite gun, Chev. Superior and Model K, each... **.42**



Extra Quality Rubber Mats

FOR 1924-26 CHEVROLETS

These mats are made of extra quality molded rubber composition and fit exactly the models listed. They will stand rough use, and will wear a long time. Can be removed from car and washed. (Ship. wt., 4 lbs.)

- E6545—Front of 1924 Chevrolet Tour. & Road... **1.28**
- E6546—Front of 1925 Chevrolet Tour. & Road... **1.28**
- E6542—Front, 1925 Chev. Coupe, Sedan, Coach... **1.28**
- E6547—Front of 1926 Chevrolet Tour. & Road... **1.28**
- E6543—Front, 1926 Chev. Coupe, Sedan, Landau... **1.28**
- E6544—Front, 1926 Chevrolet Coach... **1.28**

Valve Tappet Silencers FOR ALL CHEVROLETS EXCEPT 490

It is the metal to metal contact and the clearance of the push rods that cause the annoying tappet noises in Chevrolets. Our Tappet Silencers prevent this contact, and eliminate all noise, but do not interfere with the proper clearance of the push rods, which is vital to the proper performance of your motor. Any silencers that interfere with this clearance will cause trouble.

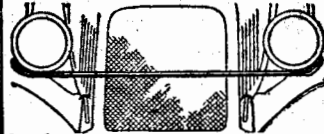


Complete Set \$2.50

Set consists of 8 fibre discs countersunk to fit the valve stems snugly, and 8 fibre cylinders, which fit over the push rods and are countersunk to hold the ball on the adjusting screw. The fibre is special analysis and will last indefinitely. You can install a set yourself in a few minutes—directions furnished. Ship. wt., 1 lb.

- J7776—Set of Tappet Silencers (16 pieces)... **2.50**

Front Fender Brace FOR CHEVROLET SUPERIOR AND "K"

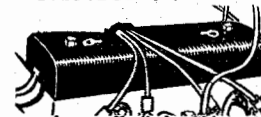


Holds fenders in exactly the right position. Stops rattle and vibration and will prevent many broken light bulbs. Attaches to lamp brackets—no holes to drill. Very easy to install. Made of high-grade steel tubing, strong, yet light in weight. Finished in baked on black enamel.

- W8370—Chev. Fender Brace (Ship. wt., 2 lbs.)... **.95**

Valve Cover for Chevrolet Motor

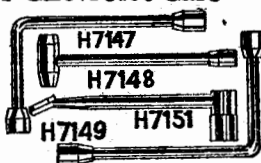
Keeps dust and grit out of valve mechanism, thus reducing wear, and also greatly lessens the noise made by the valves in operation. Is lined on top with heavy felt pad, 1/2 inch thick, which will keep valves well oiled.



- X8862—Valve Cover, Complete... **.65**

Wrenches for Chevrolet Cars

Will take care of practically every bolt and nut on the car. Strong powerful sockets braced to insure accuracy and with countersunk mouths. Fully guaranteed.



- Ship. wt., each, 1 lb.
- H7147—Double-end "L" wrench, 5/8" and 3/4" for motor support arm, steering gear clamp and tie rod... **.42**
- H7148—Double end "L" wrench 3/4" and 7/8" for clutch yoke, cylinder head bolts, manifold nuts, etc... **.45**
- H7148—Triple socket wrench, 1/2", 5/8" and 3/4" for oil pan bolts, transmission cover, etc... **.35**
- H7151—Box-end wrench only, 11" for 1924-27 cars... **.55**
- H7146—Complete set of the 4 wrenches shown above... **1.48**

Leather-Tex Clutch Facing FOR CHEVROLET 490

If your old clutch facing is worn replace it with this resilient, long life facing of Leather-Tex. Fits Chevrolet, Oakland, Oldsmobile 6 and Scripps-Booth.



- B5346—Clutch Facing, Each (Ship. wt., 1 lb.)... **.86**

OUR BIG FLASHLIGHT BARGAIN



You can get any kind of light you want, flashlight or candle light, broad or narrow beam. Focusing is quick and easy—just twist the head. Fool proof switch. Triple silvered reflector, highly polished. Highest quality, hand beveled French plate lens. Strong and well built. Well balanced and compact, with corrugated, unbreakable fibre case. Length 6 1/2 inches.
C5791—2 Cell, with batteries and bulb. (Wt., 12 oz.)98

3 Cell 9 inch Focusing Flashlight

For those who desire an extra quality flashlight, it can instantly be adjusted to throw narrow or broad beam. Range 300 ft. Reflector and lens best quality, highly polished. Short-proof switch. Well built and nickel plated. Length 9 inches.
C5773—3 Cell, with batteries & bulb (Wt., 1 1/4 lb.) 1.89

Flashlights

Every Tourist Should Have One
89c and Up



Have very durable black fibre cases. Switches are strong and protected from shorts. Our flashlights use standard size flashlight cells. Come complete with batteries and bulb.
C5777—2 Cell (6 1/4 inch), complete (Wt., 10 oz.) .89
C5781—3 Cell (9 inch), complete (Wt., 11 lb.) 1.18

Miners' Flashlight



Black fibre case. Protected switch. Standard size cells. The flare head is 2 1/2 in. in diameter. Many people prefer this light because of the effective spread of light. Comes complete with batteries and bulb.
C5778—2 Cell (6 1/4 inch), complete (Wt., 12 oz.)1.20
C5782—3 Cell (9 inch), complete (Wt., 1 lb.) 1.38

Flashlight Supplies

Standard Size and Quality
C5776—Single Cell Battery (two used in 6 1/4-inch lights, three in 9-inch lights), price per cell.12
C5779—Lens, for flashlight with 2 1/2-inch flare.12
C5780—Extra Bulb (state type and number of cells).12
C5772—Bulb, focusing flashlight (state number of cells)12

Electric Lantern

Combines the benefits of an electric lantern and a focusing flashlight. As a lantern it throws a strong, widely diffused light. The bail is strong and can be turned and set at any desired point. Plenty of light to read by. No danger of explosion and fire. Just the thing for the farm, the home, the camper, the tourist. As a flashlight the bulb can be focused to throw any kind of a beam you desire. Range 300 ft. Made of brass finished in green lacquer. Bail and guard, spot welded steel. Will burn 60 hours on one battery. Place for extra bulbs in top.
J7767—Lantern complete (Ship. wt., 4 lbs.)3.65
J7768—Battery for lantern, same one as is used by railroad men in their lanterns. (Wt., 1 lb.)65
J7769—Extra bulb for Lantern (Ship. wt., 1 oz.)25

White Ray Gasoline Lantern

Gives a pure whitelight of 300 candlepower, more light than 20 old-style oil lanterns. Outside, it is always ready for any job, any night in any weather. Hardest wind will not blow it out. Made of brass, nickel-plated. Inside, it is just the thing for reading. Burns own gas from common motor gasoline and costs only about a penny a night to use. Ship. wt., 6 lbs.
K8101—White Ray Lantern5.65
K8103—Extra Mantles per dozen .88
K8104—Extra Generator Tube45

Standard Fuses

For 110-120 Volt A-C Current
Standard size, standard thread, regular household fuses. Clear mica faces enables you to know at a glance if one of these fuses becomes "blown out." Ship. wt., each, 4 oz.
D6163—Fuse, 10 amp., each 5c; 5 for22
D6164—Fuse, 15 amp., each 5c; 5 for22
D6165—Fuses, 30 amp., each 5c; 5 for22

Royal Thermic Bottle



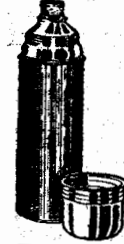
An exceptional value. Not the undersized jug with small mouth sometimes offered, but a full-sized gallon thermic jug, 9 1/4" in diameter, 12" high, with full 3" opening. Heavy earthenware container, well insulated. Will keep contents hot or cold for hours. Has stopper and aluminum cap which can be used as drinking cup. Well-made and substantial. Ship. wt., 10 lbs.
X8631—Royal Thermic Bottle, 1-gallon.1.58

Royal Thermic Jug



Consists of a 1-gallon container, so well insulated and sealed in a steel jacket that we absolutely guarantee it against breaking. It will keep ice 24 hours, hot liquids 12 hours and ice cream 10 hours. Has a strong, unbreakable, earthenware lining. Has 3" opening which permits cleaning. Top makes convenient drinking cup. Large opening at top makes it ideal for carrying butter, meat or any solid food. Swinging handle makes it easy to carry around. Non-porous—will not absorb or retain odors. Ship. wt., 12 lbs.
X8538—Thermic Jug.2.35

Vacuum Bottles



Keep hot drinks hot for 24 hours. Keep cold drinks cold for 3 days
Substantial metal case with flexible combination spring that absorbs shocks and jars, and makes it stand a great deal of hard usage without danger of breakage. Cap serves for drinking cup. Easily cleaned. Ship. wt., 2 lbs.
A5101—Pint size, enameled body.98
A5102—Quart size, enameled body.1.18
A5098—Pint size, corrugated nickel.98
A5099—Quart size, corrugated nickel.1.18
A5093—Extra Filler for pint bottle.98
A5094—Extra Filler for quart bottle.98

Complete Lunch Kit

Keeps the lunch fresh and warm. Case has two clasps and lined cover and is finished in black enamel. Lower part of kit serves as lunch box and will carry enough food for two people. Has a 1-pint vacuum bottle which fits in upper part of case. Top of bottle serves as drinking cup.
Size, 10 1/2 x 7 x 4 1/2 inches
A5100—Lunch Kit, complete (Ship. wt., 4 lbs.)1.48
A5101—Bottle only, pint (Ship. wt., 2 lbs.)98

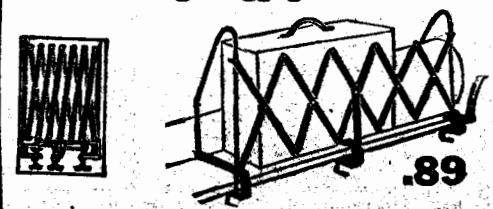
Reserve Cans for Gasoline, Water or Oil

These cans will carry "enough to get you home." Made of strong galvanized iron with good seams. Leak-proof and only about 2 inches thick so they will easily go under a seat or in any small space.
K3106—1-gal. (wt., 1 1/2 lbs.)78

3 in 1 Service Canteen

For Gasoline, Water and Oil
Three strong 1 1/2 gallon metal cans held in a heavy frame which bolts securely on the running board. Water can is finished in gray enamel, gasoline can in red and oil can in blue, with substantial screw top apouts. Containers are held securely in place by a clamping device, operated by a threaded handle. Absolutely cannot rattle and can be locked with padlock against theft. Made low and compact—does not interfere with the car. Indispensable when touring. Ship. wt., 3 lbs.
K399—Service Canteen.3.75

Folding Luggage Carrier



This well-known type of adjustable luggage carrier is in daily use on hundreds of thousands of cars, and has proved extremely serviceable because of its strength and capacity when opened, and its compactness when closed. Clamps on securely by three thumb screws—easily put on or taken off. Folds up in small space when not in use. Indispensable for camping and touring.
Made of steel, strong and durable. Nothing to break or get out of order. Notice the strong, rigid brace in center of carrier, which gives support where it is most needed, and prevents sagging. Neat in appearance—durably finished in black enamel.
A5181—Folding Carrier, as illustrated, adjustable up to 60 in. (Ship. wt., 9 lbs.)89
A5178—Same style carrier, much stronger and heavier, adjustable to 66 in. (Ship. wt., 11 lbs.), not illustrated 1.25

Disappearing Luggage Carrier



Fold down on the edge of the running board on the car for use at any time, without being in the way. Clamps securely on the running-board! Strong and substantial, yet light in weight. Length 42 in., height 10 in. Especially desirable for use on closed cars because it does not prevent the doors from swinging freely above it. Nicely finished in black enamel. Shipping weight, 11 lbs.
W8383—Disappearing Luggage Carrier.1.08

Running Board Clamps with Ropes

Clamp flat on the running board so that when the rope is passed over the luggage and tied through the staple the luggage is held firmly. Quickly put on, quickly removed. Length 9 inches. Each clamp comes complete with 48-inch rope. Ship. wt., 1 lb.
X8567—Clamp with rope, each .25 Set of 242

Straps and Strap Loops

High quality straps with buckles for strapping on extra tires, trunks, tents, etc.
Ship. wt., 12 oz.
J7852—Web Strap, 1" x 36"24
K8117—Web Strap, 1 1/2" x 84"48
K8118—Web Strap, 1 1/2" x 108"58
J7853—Ex.-quality Harness Leather Strap, 1" x 42"45
J7854—Ex.-quality Harness Leather Strap, 1" x 36"38
F6701—Strap Loop, 1 1/2-in., (2 oz.)4c

Auto Spade

W8296—Shovel; length 28 in.; steel blade 7 1/2" x 9" slightly cupped; strong detachable wooden shaft with steel handle and wooden grip. Length packed, 20 inches. (Ship. wt., 3 lbs.) (Not illustrated)95
D6271—Shovel, as illustrated. Extra strong, very durable; length 28"; steel blade 6" x 9"; detachable wooden shaft and handle. Can be packed in a very small space. Ship. wt., 3 pounds1.65



Handy Electric Lantern

A reliable, portable battery lamp with both bail and grip handles. Very desirable to use there being no danger of fire, as with an oil lantern. Uses regular size dry cells. Has German silver reflector, special designed bulb and combination switch. Strong steel case, beautiful black enamel finish. Size 9 x 5 1/2 x 2 1/2.
C5770—2 cell Lantern, without battery (wt. 3 lbs.)1.75
C5771—Extra Bulb for 2 Cell Type.25
C5769—Extra lens for lantern.25
For Dry Cell Batteries see page 67.

Genuine Edison Mazda Inside Frosted House Bulbs

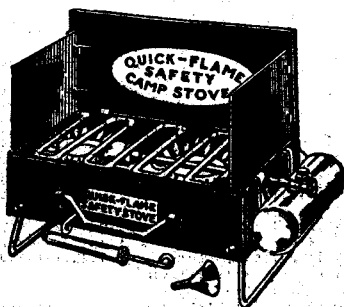
For 110-120 Volt Currents
Genuine Edison Mazda House Bulbs with the Famous Inside Frosted finish. Give a bright, white light without glare—restful to the eyes. Have a much more attractive appearance than clear bulbs. May be washed without damage to bulb or frosting. Shipped postage prepaid in special carton to prevent breakage.
C5909A—House Bulb, 25 watts40
C5910A—House Bulb, 40 watts40
C5911A—House Bulb, 50 watts40
C5912A—House Bulb, 60 watts40
C5913A—House Bulb, 100 watts40

Electric Glow Heaters

A genuine, full size heater at about half the price you are usually asked. Height, 14 inches. Reflector burnished brass, diameter 11 1/2 inches, adjustable. Base is stamped steel—6 1/4 inches in diameter. Guard, which keeps clothing, etc., away from hot-point, is removable for cleaning reflector. Well made throughout. Operates on any 110-volt current. Comes complete with plug and 6 ft. extension cord. Ship. wt., 4 lbs.
C5808—Electric Heater1.68

C5811—Extra Quality Heater, height 17 in., reflector 12 1/2 in. diameter; special shape diffuses heat better; tarnish-proof polish. Adjustable to any angle. Extra heavy cast-iron base, 8 inches in diameter to prevent tipping. Bayonet type heating element. About 7 ft. of cord with separable plug (Ship. wt., 8 lbs.)3.95

Quick Flame Camp Stove



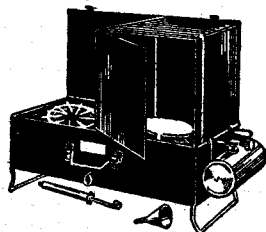
Ready for cooking in one minute—packed in one minute—quick, dependable, leak proof and absolutely safe.

Ideal for camping, touring and for the winter cabin. Cooking surface, 9"x17"—2 burners. Folds up like a suitcase; size, 9 3/4"x17 3/4"x5".

A5197—Quick Flame Stove (Ship. wt., 10 lbs.)... 3.98

Camp Stove With Collapsible Oven

For those wishing a larger stove this one will fill every requirement. It has 2 large 8 in. grates over 2 extra larger burners, allowing ample room for large cooking utensils.



For those wishing a larger stove this one will fill every requirement. It has 2 large 8 in. grates over 2 extra larger burners, allowing ample room for large cooking utensils.

A5196—2-burner Stove with Oven. Ship. wt., 17 lbs. 5.95

Folding Camp Grate



No more upset coffee pots or skillets; no more burned fingers. Durable made of steel. Easy to set up; folds up when not in use. Can be carried under the seat or in lunch basket.

A5170—Grate, size 13 1/2"x21 1/2" in. 68

Gasoline Siphon

For drawing gasoline from the gas tank to use in camp stove or to transfer from one car to the other or for any other purpose. Drop end of hose in the tank, hold finger over end of the end of pump plunger which is hollow, give 3 or 4 strokes of the plunger. The gasoline will then flow in a steady stream.

A5199—Siphon (Ship. wt., 12 oz.)... 48

Tow Lines

When You Need One, You Need It Badly

Favorite Tow Rope Made of high grade Manila fiber, with full length steel wires interwoven, making it amply strong for all ordinary towing Has a hook at each end.

K8109—Rope (Wt., 1 1/2 lbs.)... 78

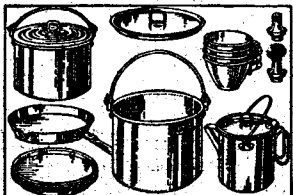
Steel Coil Tow Line

A strong steel self-coiling cable about 16 ft. long. Will pull practically any weight car. When the pull is released it automatically coils itself to a small coil, preventing slack when towing and making a compact bundle to carry.



A5062—Coil Tow Line (Ship. wt., 4 lbs.)... 2.95

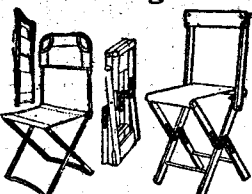
THE "FOURSOME" ALUMINUM CAMP DISH AND PAN KIT



Consists of 4 cups (heat-proof handles); 4 plates, 9 inches wide; salt and pepper shakers; a frying pan, 9 in. wide by 2 in. deep (heat-proof, detachable handle); a 6 cup coffee pot; a 1 gal. pail with lid; and a 2 gal. pail with lid. All are made of thick, very sturdy, pure Viko Aluminum; and are arranged so that they all fit snugly in the large pail (the lid to which can be locked), making a compact outfit (10 3/4"x11 1/2"x8 3/4"), with carrying handle.

Not a cheap play-thing, but a durable, lasting kit that will stand abuse and give pleasing service in camp, at home, anywhere, for years. Ship. wt., 6 lbs. X8561—Aluminum Camp Pan Outfit. 5.35

Folding Chairs and Stools

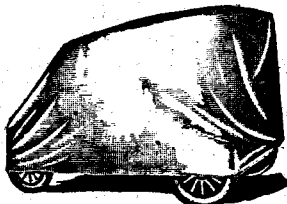


These comfortable chairs and stools add greatly to the pleasure of camping or an outing. Seats and backs are strong, durable olive drab canvas. Wood chairs have selected hardwood frames. Hinges are reinforced with steel. Steel chairs are channel steel with round reinforcements.

- W8358—Folding Wood Chair (illustrated); height 31 in.; folded 18"x13"x2 1/2" (Ship. wt., 4 lbs.)... .85
W8357—Folding Wood Stool (not illustrated); just like W8358 except it has no back. (Ship. wt., 3 lbs.)... .65
W8355—Folding Steel Chair (illustrated); folded size 18"x13"x1 1/2" (Ship. wt., 6 lbs.)... 1.28
W8356—Folding Steel Stool (not illustrated) same as W8355 except it has no back (Ship. wt., 5 lbs.)... .98

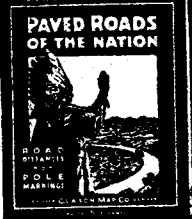
Water-proof Automobile Covers

It doesn't pay to leave your car exposed to the weather, even on a short trip. Take an auto cover along, and protect car and upholstery from dust, rain and dew. Can be stretched out to one side of car and made to serve as a tent. Made from substantial khaki water-proofed duck with necessary tie ropes, etc. Av. ship. wt., 16 lbs. X8693—Size 14x16" (for Ford and small cars)... 9.65 X8694—Size 14x20" (for large cars)... 10.95



Complete Touring Atlas of United States

The most complete and finest collection of auto trail maps we have seen. Contains 48 double-spread pages. Up-to-date, with separate page for every state, showing mileage, hard-surfaced roads and all standard trail markers. This one book will enable you to follow the whole route. Full of interest. Printed on high grade paper and substantially bound. Size 8 1/2"x12 inches. Ship. wt., 12 oz. J7850—Complete Touring Atlas... 55

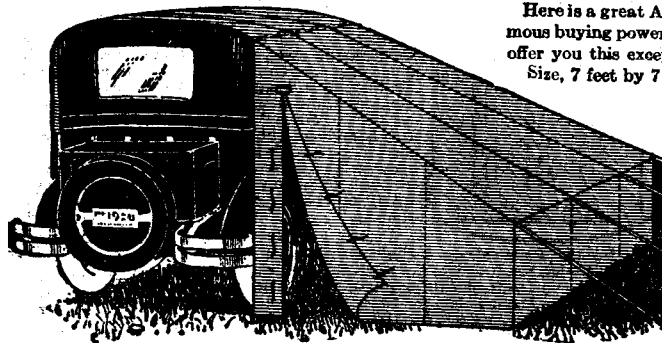


Clason State Maps

Up-to-the-minute road maps, each covering a single state. Features trails, kinds and conditions of roads. Gives mileage from town to town. Maps are large and plain, easy to follow. Printed on strong substantial paper, bound in handy pocket size manila. (Ship. wt., 4 oz.) J7851—For any state... 18



WESTERN SPECIAL WATERPROOFED TENT

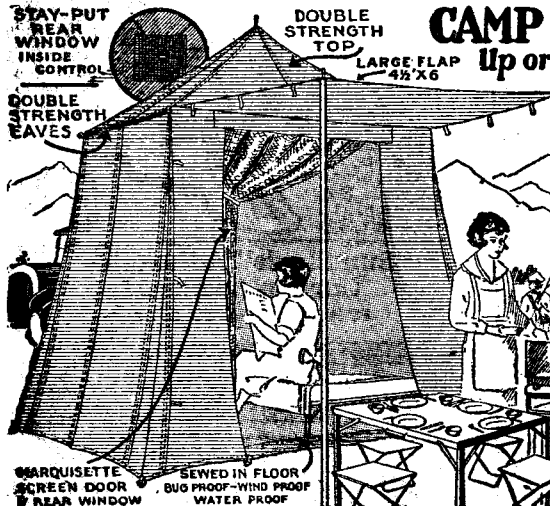


Here is a great Auto Tent value. On account of our enormous buying power and a fortunate contract, we are able to offer you this exceptional tent at a very low price.

Size, 7 feet by 7 feet, made of a strong, durable, closely woven, light-weight tent material, dyed khaki and thoroughly waterproofed, both top and walls. Weighs only 17 lbs. complete with ropes and stakes. Light and compact and when folded, measures only 17 1/2" x 10" x 10". Corners and ridge reinforced and all seams double sewn. Size of flap, 7 feet by 6 1/4 feet. Complete with ropes and pins. This tent requires no poles when used with car as shown in illustration. If you want to use tent without car, light, jointed tent poles can be furnished at a very small cost, as shown below

X8550—All Khaki Auto Tent; size, 7 feet by 7 feet (Ship. wt., 18 lbs.)... 8.95

CAMP COMFORT UMBRELLA TENT



Up or down in 5 minutes Room for 4 persons Completely Water-Proof \$18.95 COMPLETE

Space for two beds, plenty of standing room, good ventilation, freedom from insects and rodents, complete privacy and full protection from storm. It raises and lowers much like an umbrella. Just peg down the corners, insert the pole, and raise the "umbrella ribs." Up or down in five minutes. One person can handle it easily.

Made of special, tightly woven khaki tent material which is strong and durable but not bulky. Makes a compact bundle for carrying. Double seam, non-ravel stitch. Every part is thoroughly water-proofed. The floor is sewed to the walls all the way round and has a 5-inch riser at the door. The door is 32" wide and 5 ft. 8 in. high. It is provided with a flap 6 ft. long and 4 1/2 ft. wide for use either as a door or awning, and a sewed-in marquisette screen with tie straps.

It has a 15" x 15" screened window in the rear, with storm curtain which is opened or closed from the inside. Tent is 6 ft. 4 in. high and 4 1/2 ft. square, at the eaves. Center height, 8 ft. Eaves and tops are double strength. Comes complete with 2-piece, extra strong jointed center pole, stakes, and guy ropes, but without awning poles. Ship. wt., 45 lbs.

X8595—Camp Comfort Umbrella Tent, size 7 ft. x 9 ft. 18.95

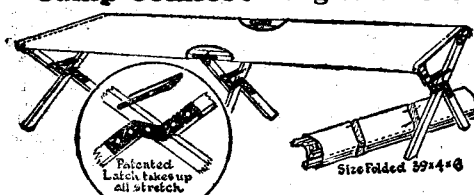
Jointed Wooden Tent Poles

Jointed 3 foot sections, easily carried. Select grain wood, with strong metal flange at joint. Ship. wt., 2 lbs. X8528—Round Tent pole, complete, (2 pieces)... 48

Steel Tent Stakes

Made of stamped steel; scooped in the middle so they hold firmly. Hook on top. Sharpened point. K8100—Tent Stakes, each (Ship. wt., 1 lb.)... 10

Camp Comfort "Sag-Not" Cot



The patented latch takes up all sag and stretch that might develop and assures you always having a tightly stretched, comfortable cot. It is much easier to set up and take down than the ordinary cot. There are no loose pieces to become lost. Because it has no head pieces it is far more comfortable. Constructed of selected hardwood, reinforced with enameled steel at all joints. The top is extra quality, special tight weave, olive drab duck, very strong and durable. Size extended 78 in. x 26 1/2 in. Size folded 39 in. x 4 in. x 6 in. X8636—"Sag-Not" Cot (Ship. wt. 17 lbs.)... 3.75

Camp Comfort "Standard" Cots

Strong and Substantial, Yet Light in Weight



Top is 10-oz. special duck with 4-ply reinforced corners. Attached to frame by over 50 coppered brads. Frames are of selected hardwood with steel reinforcements and joints—very strong. Anyone can set it up or take it down in 5 minutes. Size extended, 6 feet, 5 inches long and 26 inches wide. Size folded, 38"x7 1/2"x5". Has tying straps and handle. W8360—Camp Comfort Standard (Ship. wt., 17 lbs.) 2.78

Alweather No Draft Shields

For Fords and Chevrolets

Keeps out the cold, wintry blasts that blow in through the pedal slots and numb your feet until it is dangerous to drive, as well as uncomfortable. Protect your health and assure yourself bodily comfort while driving this winter by ordering a set of "No Draft" shields now. Made of thick, tough, resilient rubber with slots cut for the pedals. These pedal slots are lined with natural sheep hide so that the wool is pressed firmly against the pedals, completely filling the pedal slot. Absolutely no cold air can enter. Will last the life of the car.

Fasten directly to the floor board—very easy to install. Prices shown include complete set for foot pedals and brake lever.

- K8238—No Draft Shield for 1909-25 Fords (Ship. wt., 2 lbs.).....
- K8239—No Draft Shield for 1926-27 Fords (Ship. wt., 2 lbs.).....
- K8240—No Draft Shield for 1924-26 Chevrolets (Ship. wt., 1½ lbs.).....
- K8241—No Draft Shield for 1927 Chevrolets (Ship. wt. 1½ lbs.).....



Pedal Sleeves For Fords and Chevrolets

Keep out the hot air in summer and the cold air in winter around the brake lever and foot pedals.

Made of strong fabric and designed that it snaps securely

around emergency lever handle and foot brakes. Comes complete ready to put on. (Ship. wt., 1 lb.)
 F6729—For 1909-25 Ford, set.....
 F6728—For 1926-27 Ford, set.....
 F6729A—For 1925-26, Chevrolet K and V, set.....

Alweather Protector

FOR FORD CARS

A very practical device that prevents the cold air in winter and the hot air in summer from blowing through the pedal openings on a Ford. Made of padded felt, covered with artificial leather. Set includes protector around emergency brake lever as well as around pedals.

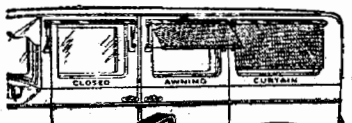
- Ship. wt., 8 ozs.
- F6741—Complete set '09-25 Fords.....**32**
- F6740—Complete set '26-27 Fords.....**32**



32c

"Sun Shade" Adjustable

Curtain Awnings FOR ALL CLOSED CARS



More than a curtain, more than an awning: combines the advantages of both. Consists of a strong Fabrikoid curtain of pleasing design mounted on a

special roller like a window shade, with the free end sewed around a stout steel rod which pivots on a patented locking hinge so that the awning can be instantly adjusted to and set at any height desired. The roller is held in a metal frame which forms a neat eave over the window and protects the awning when not in use. So designed that it does not interfere in anyway with opening or closing of windows. Comes completely assembled and with instructions, so that anyone can install a pair in ten minutes, but so designed that with the windows closed they are hard to remove, preventing theft of awning or car. All parts that touch the car are padded to prevent marring the finish. Well made throughout and nicely finished. Ship. wt., per pair, 4 lbs.

In ordering give exact width of window openings.
 D6135—For openings meas. 19" to 27" wide, each **1.95**
 D6136—For openings meas. 28" to 36" wide, each **2.15**

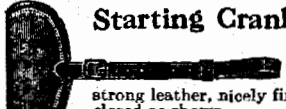
Cowl Ventilator Caskets

Makes a cowl ventilator dust, wind and rain proof. Made of rubber, on which the ventilator rests when closed. Prevents rattling.

- A5018—Ventilator Gasket for all cars, each, (Ship. wt., 4 ozs.).....**.26**



Starting Crank Holder



Keeps the crank out of the mud and stops it flopping. Made of strong leather, nicely finished with one end enclosed as shown.

- B5290—Crank Holder, large (Wt., 4 ozs.).....**1.19**

Dash Primers for All Cars

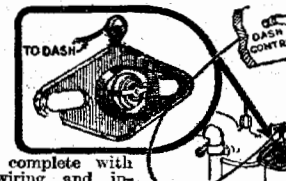
Especially Recommended in 1926-27 FORD CARS WITH VAPORIZERS

Priming is the old time tried method of starting a cold motor. Our Primer consists of a nickel-plated force pump for mounting through the dash, and all necessary tubing and connections together with special spray nozzles for injecting explosive gas into the cylinders. Just pull the handle of the pump out, then let it go and a fine spray of gasoline is shot right into the cylinders. Well made of the best materials—cannot leak.

K8130—Primer for all model Ford Cars; especially recommended for 1926-27 Ford cars with Vaporizers. Many owners of these cars are having trouble with starting. Install one of these primers and your car will start easily.....**3.15**
 K8131—Primer for any other car with vacuum tank.....**3.65**

Instant Manifold Heater
 Makes Your Motor Start Easy in Coldest Weather

When you push the switch, the wires in the Vaporizer become hot. The gas is heated, and will explode easily when it reaches the firing chamber. Absolutely no danger and positively guaranteed to make your car start easier at all times. Comes complete with switch, necessary wiring and instructions. Installed by anyone in a few minutes. Pays for itself in a short time. Saves gasoline and battery and prevents dilution of oil.
 Ship. wt., 8 oz.
 D6234—Complete with wire and switch (6-volt) for Ford, Chevrolet, Overland and Star Cars.....**1.15**



Work and Driving Gloves

Good quality, durable gloves, fleece lined, and with knitted wrist bands. For work or for driving.
 K8033—Good quality, regular knit, all-cotton glove (ship. wt., 4 ozs.) per pair.....**.12**
 K8034—Extra quality, leather palm and finger glove. Very thick, durable, close woven cotton back with strip design. Lined throughout (even the fingers) with fleece, making a warm comfortable, long wearing glove. An exceptional buy at our reduced price. (Ship. wt., 8 ozs.) per pair.....**.39**

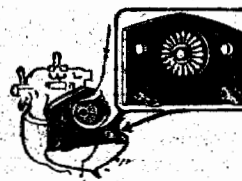


Combined Starter and Fuel Saver

For Ford, Star, Overland, Chevrolet

A special Bakelite gasket with an electrical heating unit over which gas leaving carburetor has to pass, where it is converted into a hot, dry, gas that explodes at the first spark. Automatically operated by current from the generator while the car is running. When starting it is operated by a dash switch. Makes your car start instantly; saves 20% to 30% in gasoline, keeps down carbon, helps prevent oil dilution, saves battery. Will save its cost every month it is used. Guaranteed for the life of your car. Comes complete with dash switch, wiring and instruction. Wt., 10 ozs.

K8122—For Ford, Star, Overland and Chevrolet Cars.....**3.35**
 K8123—Same as above, but without dash switch.....**1.95**



"No-Frost" Clear Vision Shield

You know how frost gathers on the inside of your windshield and windows in cold weather, and how snow and sleet freeze on the outside so even your windshield wiper will not keep it off. **No-Frost Absolutely Prevents This.**

Made of high-grade clear pyralin with pressed steel frame cushioned against the glass with felt. Attaches to glass by two suction cups. Can be attached or removed instantly. Goes inside car, and not only keeps frost from forming inside but snow and sleet will not freeze on the outside. Have at least one in your car and be safe. Size, 7" x 17".

- K8126—No-Frost Shield for all cars. (Wt. 12 ozs.).....**.98**

Chase Auto Robes

There is a world of comfort in a robe and robes are so inexpensive now that every car should have one. Our robes are very soft and closely woven and the colors are fast so that they may be used for carpooling, picnics, and about the home like an Indian blanket as well as a robe for motor use. Made of mixed wool and cotton with pleasing strip design. Ship. wt., 4 lbs.
 X8905—Robe, size about 4½x6 feet, bound edges, without fringe.....**2.95**
 X8907—Robe, size about 4½x6 feet, bound edges, with fringe.....**4.95**
 X8902—Robe, size 54"x76", purest virgin wool. Soft and downy, finished with durable long nap. Beautiful plaid design woven right into robe. Special "can't-run" edges and ends. Fringed on both ends. You are usually asked from \$12.00 to \$15.00 for robes like this.....**7.65**
 X8904—Robe, size about 5½x6½ feet, bound edges.....**1.68**



Genuine WALRATH and HAYES High Quality Motor Gloves

These gloves are made for us by two of the largest glove factories. Highest grade workmanship and material insures proper fit and durability. Materials and various styles are described below. Make a very desirable gift. Be sure and give size desired when ordering. Ship. wt., 3 lbs. per pair.
 X8900 (No. 107)—Men's black gauntlet glove. Made of good heavy leather, has genuine leather cuff and wrist strap. Lining is warm wool fleece and cuff is of limp leather so that glove may be rolled up and easily carried in pocket.....**2.95**
 X8903 (No. 97)—Same as X8900, except it is short glove and has no gauntlet.....**2.35**
 X8916 (No. 285)—Men's black gauntlet glove; leather is slightly heavier than X8900, has leather cuff and is a heavily fleece-lined.....**4.95**
 X8917 (No. 285-1F)—One finger mitten, same quality as X8916.....**4.95**
 X8911 (No. 293)—Black glove (no gauntlet) of extra quality leather with wrist strap. Lined with fine, genuine lamb's fur—warmest lining obtainable.....**4.95**
 X8912 (No. 293-1F)—One Finger mitten same quality as X8911.....**4.95**
 X8915 (No. 385-NB)—Brown glove, no gauntlet, but on top, fleece lined.....**1.95**

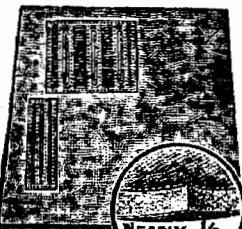


X8918 (No. FB765)—Black Dogskin glove (no gauntlet) super-seam sewn, strap wrist, lined with lamb's fur.....**3.95**
 X8919 (No. 3B719)—Brown glove (no gauntlet) genuine South African Cape, super-seam sewn, strap wrist rabbit lined.....**6.35**
 X8914 (No. 267-NB)—Made in beautiful brown or cordovan color, best grade leather. Has limp brown gauntlet lined with gray flexible leather. Hand of glove is lined with fine wool cloth.....**6.35**

Felt Floor Mats

FOR ALL CARS

Go under the regular mat or carpet; keep out all cold air and completely insulate your feet from the cold floor boards. They also deaden the noises of the car and feel soft and luxurious. Made of felt, reinforced with burlap, and almost ½" thick. A good thing to have in your car for the year round. Ship. wt., 4 lbs.

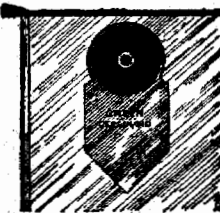


- E6322—Insulator Mat for all Ford cars.....**.98**
- E6323—Insulator Mat for all Chevrolet cars.....**.98**
- E6324—Insulator Mat for all other cars. (use your floor mat for pattern when cutting to fit your car).....**.98**

Arrow Adjustable Glare Shield

FOR ALL CARS

With the amount of traffic and the blinding headlights that one experiences on all roads nowadays it is necessary to have a glare shield to prevent the lights of an approaching car from causing you to drive into the ditch or the other car. The "Arrow" is good for this purpose. Fastens to the windshield by means of a suction cup. The suction cup supports a short bolt on which the glare shield itself is held by an adjustable tension nut. The glare shield may be turned on the bolt to any desired angle that suits your convenience. Made of the best materials throughout—nothing to get out of order or wear out.



- A5114—Arrow Glare Shield (Ship. wt. 8 ozs.).....**.48**

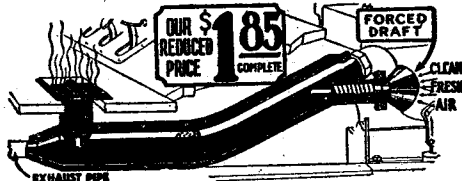
Suction Grip Glare Shields



Heavy green celluloid held firmly in a metal holder which is equipped with 2 suction cups. Adheres firmly. May be stuck on any flat surface. Ship. wt., 8 ozs.

- A5121—Suction Grip Glare Shield, each.....**1.19**

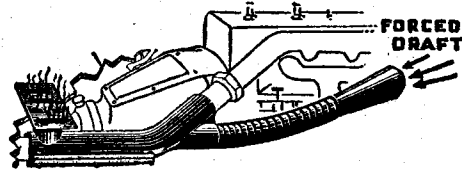
Hot Wave Forced Draft Heater FOR ALL MODEL FORD CARS AND TRUCKS



Clamps around exhaust pipe just back of the pack nut. Fresh air is forced in at the funnel, is heated by the exhaust pipe heat chamber, and enters the car through a 4 1/2" x 5 1/4" register on the floor board. Heats up instantly, keeps car snug and warm and insures perfect ventilation even in the coldest weather. **No fumes.** Heat is regulated by adjusting shutter in register. Surplus heat is forced out under car. Will not cause engine to become overheated—no necessary to remove during summer. Made of strong sheet steel with enamel finish. Complete with full instructions for installation. Easy to install. No cutting or drilling necessary except on floor board. Does not interfere with removing floor boards. (Ship. wt., 8 lbs.)

WB471—Hot Wave for all model Ford cars, either with regular carburetor or with Holley vaporizer. **1.85**
We will have Heaters for the New Ford—call or write for prices.

Hot Wave Cast Iron Heater FOR ALL MODEL FORD CARS AND TRUCKS



Same heater as above but made of cast iron so it holds heat much better and will not rattle or become battered and loose. Has flexible tubing with funnel that clamps on side of engine to get forced draft from fan. Register is large and easily controlled. So well made it will last as long as your car, and fits perfectly without cutting or drilling.
Ship. wt., 10 lbs.

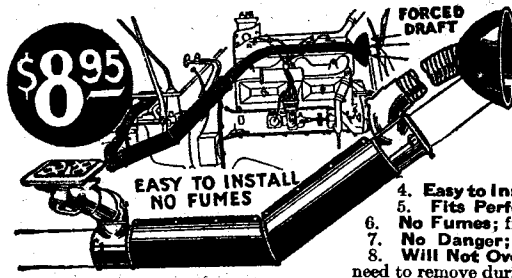
WB468—Cast Iron Hot Wave, for any model T Ford **3.35**

Exhaust Pipe Clamp Type Heater

Clamps around hottest part of exhaust pipe. You don't cut exhaust pipe at all. Air is taken through opening and circulates around hot exhaust pipe—passing into car. Register is cast aluminum—is installed on floor board. Control is in top of register. Instant heat, very easy to install (requires no cutting of exhaust pipe). Delivers a large volume of heat. Comes complete with 1 foot of flexible tubing. Size of register, 5 1/2" x 3 1/4". Size of heater, 3 1/8" x 1 1/2".
X8913—For any car (Ship. wt., 12 lbs.) **4.65**

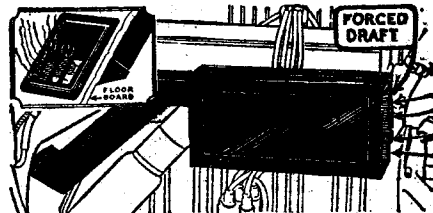


GENUINE COOPER FORCED DRAFT HEATER FOR ALL CARS



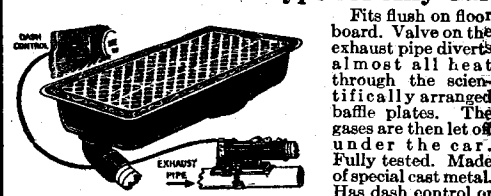
\$8.95
EASY TO INSTALL NO FUMES
WB463—Cooper Forced Draft Heater for all cars **8.95**

Hot Wave Force Draft Heater FOR ALL MODEL CHEVROLETS



Replaces regular exhaust manifold. Provides a long passage for the exhaust gases, producing quick, intense heat. Clean, fresh air is driven by the fan into the heater, over the heated manifold where it is warmed then directly into the car through the register in the floor board. Heats up almost instantly—keeps car warm and insures perfect ventilation, even in coldest weather—no fumes. Register controls amount of heat—forces unused heat under car. **Will not cause engine to overheat.** Easy to install—done in 30 minutes. Requires no cutting or drilling (except floor board) and does not interfere with any part of car. Substantial and well made—will outlast your car. Ship. wt., 14 lbs.
X8467—Hot Wave Heater, for all model Chevrolets **3.98**

Flush Floor Board Type for Any Car



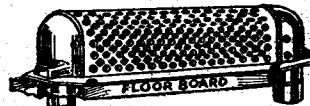
Fits flush on floor board. Valve on the exhaust pipe diverts almost all heat, although the scientifically arranged baffle plates. The gases are then let off under the car. Fully tested. Made of special cast metal. Has dash control or can be shut off at the register. Will keep any size car warm. Will outlast your car. Valve will fit any size exhaust pipe; size, 1 1/2 x 5/8 inches.

X8898—Flush Type, for any car (Ship. wt., 10 lbs.) **8.95**

Rail Type Heater for Floor Board

For installing on the floor board or dash. Extends above floor board 4 inches. Makes a warm foot rest. Finished in black enamel. Heats up quickly, radiates a great amount of heat. Thoroughly tested against leaks, noise, fumes. Control is built right into the heater. Size 16" x 4". Valve is so made that it fits perfectly on any size exhaust pipe. Ship. wt., 13 lbs.

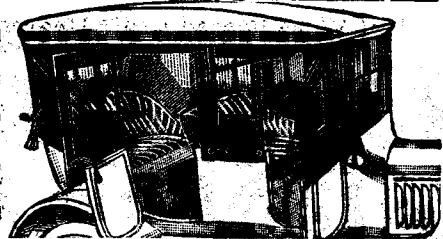
X8896—Ford Special complete with valve, control, and 3 feet flexible tubing. **5.85**
X8897—Floor Heater, for any other car, complete with valve, control and 6 feet flexible tubing. **6.35**
X8909—Dash type for all cars, complete with valve, control and 6 ft. of flexible tubing. Very narrow to fit on dash or any narrow place, size 14" x 2 1/4". **5.85**



COLD WEATHER NECESSITIES

DOOR-OPENING SIDE CURTAINS

Door-opening side curtains add comfort and convenience to Ford cars. No more crawling under curtains; no more loose, flapping, curtains; no more unfastening and fastening curtains. Keep out the cold wind, rain, snow or dust.
Neat in appearance, simple in construction, well made of heavy 34-oz. rubberoid to match Ford top. Clear celluloid windows carefully finished. Quickly and easily attached by anyone. Fit right on where old curtains are taken off. Come complete with all necessary screws and fasteners, rods and instructions. In complete set for 1915-25 Touring car, right front and right rear are door opening curtains, left curtains are regular style. Ship. wt., each, 5 lbs. Touring set, 17 lbs. Roadster set, 12 lbs. Be sure to state year and model of car.



- | For 1915-22 Fords | |
|---|------|
| E6524—Complete set, Ford Touring, 1915-22.. | 6.35 |
| E6525—Complete set, Ford Roadster, 1915-22.. | 3.95 |
| F6670—Single Curtain, right front door, Touring | 2.45 |
| F6671—Single Curtain, right rear door, Touring.. | 2.45 |
| F6672—Single Curtain, for Roadster, right front | 2.45 |
| FOR 1926-27 FORDS | |
| E6533—Complete set, Ford Touring, 1926-27.. | 5.95 |
| E6534—Complete set, Ford Roadster, 1926-27.. | 3.85 |
| E6537—Single Curtain, right front door, Touring.. | 2.15 |
| E6532—Single curtain, right rear door, Touring.. | 2.15 |

- | For 1923-25 Fords | |
|--|------|
| E6528—Complete set, Ford Touring, 1923-25.. | 6.35 |
| E6529—Complete set, Ford Roadster, 1923-25.. | 3.95 |
| F6674—Single Curtain, right front door, Touring | 2.45 |
| F6675—Single Curtain, right rear door, Touring.. | 2.45 |
| F6672—Single Curtain, right front, Roadster.. | 2.45 |
| FOR 1926-27 FORDS | |
| E6531—Single Curtain, left front door, Touring.. | 2.15 |
| E6536—Single Curtain, left rear door, Touring.. | 2.15 |
| E6537—Single Curtain, right door, Roadster.. | 2.15 |
| E6538—Single Curtain, left door, Roadster.. | 2.15 |

FOR CHEVROLET SUPERIOR AND "K"—WB345

Touring, door opening style, complete set **8.95**

Regular Side Curtains (Not Door Opening)

Regular style side curtains, easily attached by anyone. Made of 34 oz. rubberoid to match top, with windows of best celluloid. Give year of car. Ship. wt., single, 3 lbs. Set Touring 8 lbs.; set Roadster, 5 lbs.



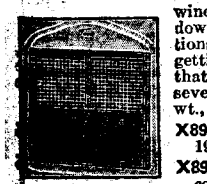
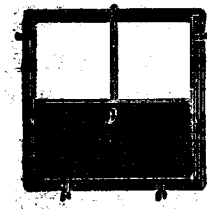
FOR CHEVROLET 490
WB344—Touring, regular style, complete set **8.85**

- | FOR FORDS 1915-22 | |
|---|------|
| F6662—Right Front Curtain, Tour., 1915-22, each | 1.55 |
| F6663—Right Rear Curtain, Tour., 1915-22, each | 1.55 |
| F6664—Left Front Curtain, Tour., 1915-22, each | 1.55 |
| F6665—Left Rear Curtain, Tour., 1915-22, each | 1.55 |
| F6660—Complete set Roadster, 1915-22.. | 1.95 |
| F6661—Complete set Touring, 1915-22.. | 1.95 |

- | FOR FORDS 1923-25 | |
|---|------|
| E6464—Right Front Curtain, Tour., 1923-25, each | 1.55 |
| E6465—Right Rear Curtain, Tour., 1923-25, each | 1.55 |
| E6466—Left Front Curtain, Tour., 1923-25, each | 1.55 |
| E6467—Left Rear Curtain, Tour., 1923-25, each | 1.55 |
| E6468—Complete set Touring, 1923-25.. | 1.95 |
| E6469—Complete set Roadster, 1923-25.. | 1.95 |

Fibre Winter Radiator Fronts

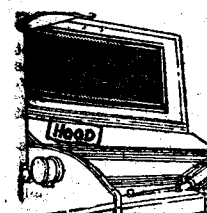
Prevents radiator from freezing while driving against the wind; retains the engine heat during stops, making starting easier, saving gasoline and preventing oil dilution. Will pay for itself in a short time.
Made of black-enamelled waterproof fibre, in metal frame. Fastens securely between the radiator shell and the front of the radiator, closing the front tightly and keeping out the cold freezing wind. The upper panel slides up and down and can be fixed in four positions, regulating the amount of air getting to the motor. So well made that with proper care they will last several seasons. Easy to install. Ship. wt., 4 lbs.



- | | |
|--|-----|
| X8980—Fibre Shutter for Fords, 1923-26, Complete.. | .95 |
| X8981—Fibre Shutter for all other cars, complete.. | .98 |

"Heat-In" Insulator Boards For All Cars

Made of long grained fiber and lined with felt. They are attached by hooks to the inside of the engine hood, closing the slots and preventing circulation of cold air around the engine. Hidden from view—do not mar the appearance of car. Held firmly in position by strong springs.



- | | |
|---|------|
| E6221—Size 12" x 13 1/2" For 1917-25 Ford, pair.. | 1.15 |
| E6223—Size 14" x 19" For 1926-27 Ford, Chevrolet, Jewett, Star, Overland 4, pair.. | 1.45 |
| E6224—Size 14" x 24" For Whippet, Ajax, Essex, Dodge, Studebaker, pair.. | 1.68 |
| E6225—Size 14" x 28" For Buick, Willys-Knight, Durant, Olds, Hup., Overland 6, pair.. | 1.95 |
| E6226—Size 14" x 30" For Oak, Stude., Chrysler, pair.. | 1.95 |

Dash Controlled Radiator Shutters FOR FORD AND CHEVROLET CARS

Enable you to adjust exactly the amount of cold air going to your motor. Prevent the radiator freezing while driving; make it warm up quickly; permit easier starting; save gas, battery and radiator repairs; yet will not cause it to get too hot. Controlled from the dash. Made of sheet steel, with baked enamel finish, will outlast the car.
Very easy to install—instructions furnished.



- | | |
|---|------|
| X8937—1924-27 Ford Cars. (Ship. wt., 6 lbs.).. | 2.95 |
| X8938A—Chevrolet Cars, 1925-26, Model K & V (Ship. wt., 8 lbs.).. | 3.45 |
| X8939A—Chevrolet, 1927, Model AA (Ship. wt., 8 lbs.).. | 3.45 |

188° Proof Denatured Alcohol To Prevent Radiators From Freezing

The ideal preventative of frozen radiators. Enjoy the use of your car throughout the winter without danger to the radiator and motor. Easy to use and in no way injurious; it will prevent a radiator from freezing in the coldest climate.
Our denatured alcohol is absolutely 188° proof. None can be made better or purer. Don't be misled by vague statements into buying an inferior grade that has little non-freezing value. Cannot be sent by mail.



On account of fluctuation in the market price of alcohol, we cannot quote prices for the season but you will always find our prices 20% to 30% below the prices asked by most dealers. Call, write, or phone us before buying.

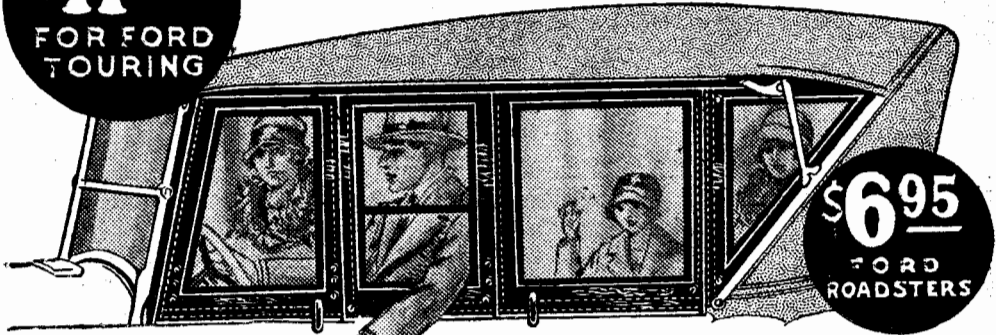
Freeze-Meter

For testing the mixture of alcohol and water in the cooling system. Simply draw enough liquid from your radiator to lift the float. The float will show the temperature at which the solution will freeze.
B5519—Each, complete (Ship. wt., 8 oz.) **.49**
B5518—Extra Float for Freeze-Meter **.24**



FORD AND CHEVROLET OWNERS Keep out the Cold Rain, Snow AND Wind

\$11.95
FOR FORD
TOURING



**You Cannot Buy
A Better Enclosure at Any Price!**

We have examined and tested practically every enclosure that has ever been offered for Ford and Chevrolet cars and we do not hesitate to say that our Improved Weatherite Enclosure is not only the **Biggest Enclosure Value** we have ever seen but offers more Durability, More Convenience and Comfort, Handsome Appearance, Snug and Perfect Weatherproof Fitting, and Easy Installation. We believe it is the very best enclosure ever made for these cars, regardless of price and is superior to outfits that are usually offered at from \$12 to \$25 more than our price.

CLOSED CAR COMFORT—HANDSOME APPEARANCE

Our enclosure makes your car as comfortable as a closed car. Special 4-ply construction of leatheroid, reinforced buckram, steel frame, and drill lining makes it sturdy and rigid like part of the car, so that it will not sag, lose its shape, or "belly out." Gives the car a handsome appearance for it fits perfectly without alterations. Attaches so snugly at windshield, to body, to back curtain and under the top that it keeps out cold wind, snow, sleet, and rain. A special steel and fabric panel which bolts to the top supports, keeps cold wind, rain, snow and sleet from entering between the enclosure and the top and furnishes a sill for the door panels to close snugly against. Doors open like regular closed car doors and are full width and height.

MANY IMPROVED FEATURES NOT FOUND IN OTHER ENCLOSURES

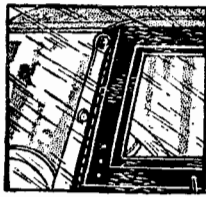
Every available inch is used for windows giving over 30% more vision than most other enclosures. Windows are made from Pyralin, extra thick and durable and as clear as glass. Handles for opening the doors are special construction so that doors open from the outside. Center windows on both sides may be instantly opened for signalling or ventilation.

EASY TO INSTALL

Anyone can install a set in an hour. Only a small screwdriver needed. Every part is marked exactly where it goes and complete instructions are furnished with every set.

SPECIAL REDUCED PRICES

- X8620—For Ford Touring Car, all models '23-24-25 (Ship. wt., 25 lbs.)..... **11.95**
- X8621—For Ford Roadsters, all models 1923-24-25 (Ship. wt., 12 lbs.)..... **6.95**
- X8627—For Ford Touring Car, 1926-27 (Ship. wt., 25 lbs.)..... **11.95**
- X8628—For Ford Roadsters, 1926-27 (Ship. wt., 12 lbs.)..... **6.95**
- X8629—For Chevrolet Touring, '23-24-25-26 (Ship. wt., 28 lbs.)..... **13.95**
- X8630—For Chevrolet Roadster, 1923-24-25-26 (Ship. wt., 14 lbs.)..... **8.25**
- X8631—For Chevrolet Touring, 1927 (Ship. wt., 28 lbs.)..... **13.95**
- X8632—For Chevrolet Roadster, 1927 (Ship. wt., 14 lbs.)..... **8.25**



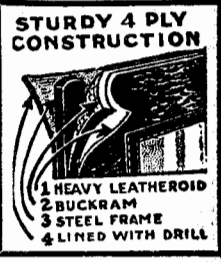
**FIT-SNUG FULLVISION
EXTRA THICK WINDOWS
CLOSED CAR COMFORT**



**SLIDING WINDOWS
ON BOTH SIDES
FOR VENTILATION
AND SIGNALING**



**DOOR HANDLES
OUTSIDE
EASY TO OPERATE**



**STURDY 4 PLY
CONSTRUCTION**
1 HEAVY LEATHEROID
2 BUCKRAM
3 STEEL FRAME
4 LINED WITH DRILL

**SHIPPED ANYWHERE
C.O.D. WITHOUT
DEPOSIT**
Send Us Your Order Today

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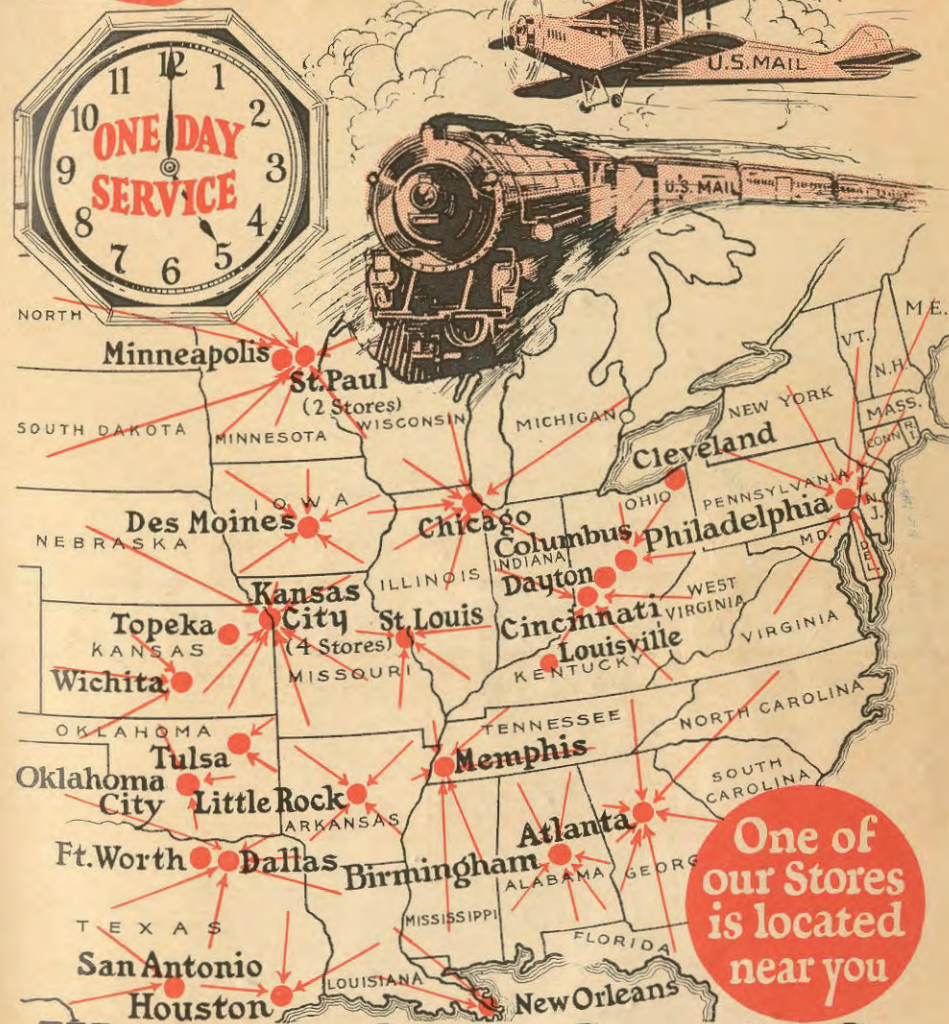
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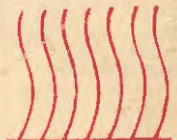
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