

The Solution of Winter Transportation



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Snow Flyer Corporation
New Holstein
Wisconsin

The Snow Flyer

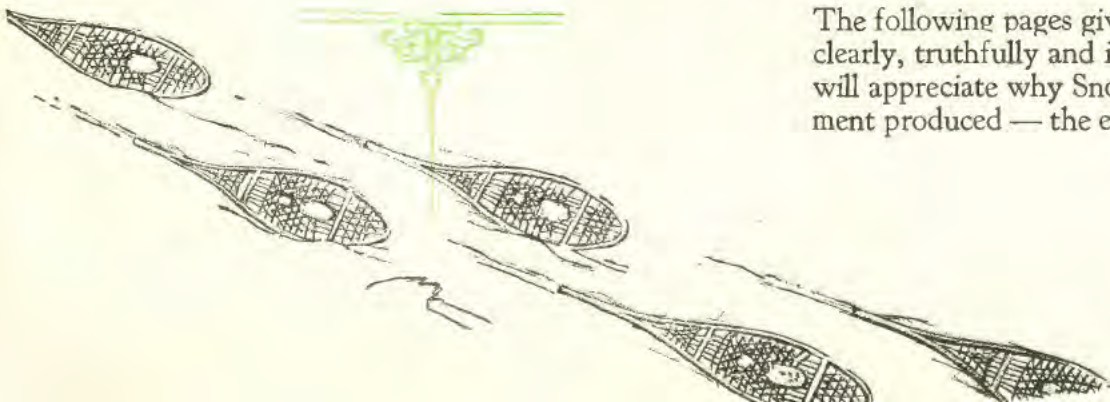
The Solution of WINTER TRANSPORTATION

FROM the time that mankind first inhabited regions where Winter meant heavy blankets of snow the problem of winter transportation has always been of greatest importance. Upon transportation food, health and prosperity depended.

Snow-shoes were the first devices developed to provide safety, comfort and a reasonable amount of speed over deep snow. Sledges, sleighs and skis made their appearance as later developments. Then came the era of the motor car and again the problem of winter transportation had to be solved.

Years of experiments and production have brought forth the Snow Flyer, an attachment for Ford and Chevrolet cars that is mechanically perfect. The Snow Flyer provides a means of speedy, safe and economical transportation where snow is deep and highways undeveloped.

The following pages give the facts relating to Snow Flyer clearly, truthfully and interestingly. Read them and you will appreciate why Snow Flyer is the most reliable equipment produced — the equipment you need and want.



The **Snow Flyer**

THE development of the Snow Flyer has banished all of the obstacles to travel in regions where there is heavy snow fall. In designing the Snow Flyer a thoroughly engineered device has been produced. Every detail has been given exhaustive study so as to produce an attachment that exactly meets the engineering requirements of Ford cars. This equipment can be installed on any model of open cars and trucks, except 1926 and 1927 touring models. Physicians, mail carriers and everyone whose vocation requires rapid, dependable and safe transportation during the winter will find the Snow Flyer the ideal equipment.

There are many exclusive features included in the Snow Flyer construction. They are all features that place Snow Flyer in a class by itself for perfection in operation and efficiency. You will appreciate the true superiority of Snow Flyer after reading the following details.

for
FORDS
*An Improved
Winter Attachment
that is mechanically
perfect*





This shows the Snow Flyer
as installed on a Ford Car.

Pix's 5A + 5B inside here

*4-A 5S
Pan Field - Green out*

An Exclusive

Snow Flyer

Feature

THIS specially designed device assures uniform tension of Traction Belt at all times. After once installed no further adjustment is necessary. This adjustment is made by use of a combination turnbuckle and heavy fine quality spiral spring. Due to the fact that the Traction Belt is held at a uniform tension, breakage is eliminated and wear minimized. This device assures maximum traction between the driving wheels and belts under all conditions. Slipping of wheels and consequent wear on tires is positively prevented. This is exclusively a Snow Flyer feature.

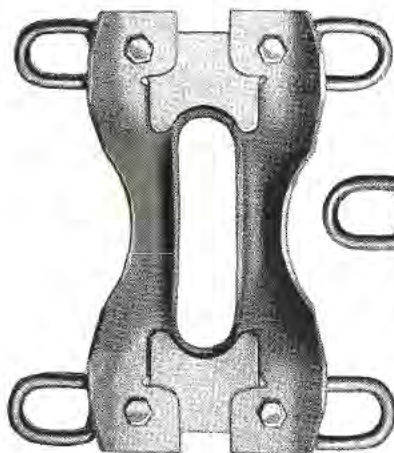
The Snow Flyer Auxiliary Axle is made of high grade carbon steel and is designed to best serve the purpose intended and to operate in perfect co-ordination with the Automatic Belt Tightener.

The axle is floating providing full flexibility to meet the irregularities of the surface traveled, and is so constructed that all lateral motion or "side sway" is prevented. This axle in combination with the Automatic Belt Tightener provides a most efficient device.

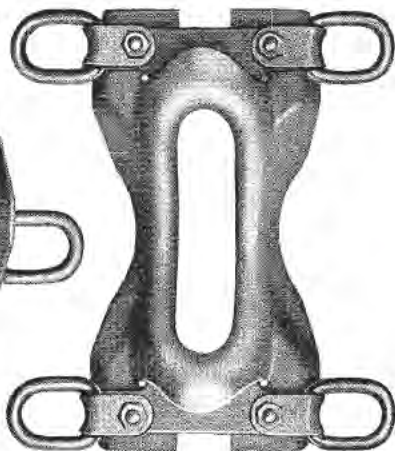


Patents Pending in U. S. A. and
Dominion of Canada

**Auxiliary Axle
and Automatic Belt
Tightener**



This shows the section of surface that contacts the road. Note the heavy construction and ample "gripping" surface.



The illustration above shows the surface of belt that comes in contact with the tire. One piece stamping.

Patented
No. 1633259,
June 21, 1927

The Improved Traction Belt Specifications

Stamped from 10 gauge special point 50 carbon steel. Section 9 inches wide, 10 per cent more carrying capacity. Link and link bars case hardened. 5/16 in. special steel bolt used in assembly, tested to 80,000 pounds tensile strength. Weight of complete belt 65 pounds.

An Exclusive *Snow Flyer* **Feature**

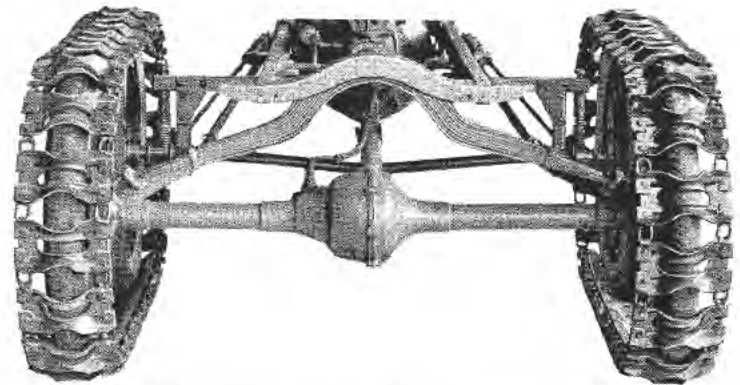
THIS Snow Flyer Traction Belt is designed to meet the varying surface conditions efficiently and to minimize wear. The face of the section which comes in contact with the road is shaped to take a firm grip and provide maximum traction on both hard and loose surfaces. The openings are so shaped that they do not retain the snow and never clog. It is impossible for snow, ice or mud to build up as the opening in center of section allows the tire to push the loose material through, the belt thus always running clean. The inner face grips the tire firmly and exactly conforms to the contour of the wheel. Due to the design of the sections two gripping members are provided, giving 100% more traction in the tire. Double strength on road due to "U" shaped grip. It is the only section providing side grip which prevents slipping. There is no loss in power at the point of traction. The sections are quickly replaceable by simply removing two bolts. Sections are durable and will give long service. Each section is a single stamping which eliminates the use of rivets. The most practical, durable and efficient belt made.

Snow Flyer

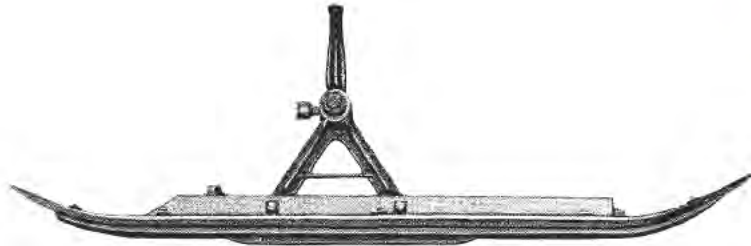
Belt Assembly

THE driving belt on the Snow Flyer is one of the most important units of the entire equipment. From the very first our engineers gave this unit the more careful study. Every condition of the road was considered and through rigid tests very definite needs were discovered. Snow Flyer engineers then proceeded to design a belt that would be light in weight yet "oversize" in performing ability. The Snow Flyer exclusive patented belt was then developed. It is made with 9 inch sections stamped from 10 gauge special point 50 carbon steel. This 9 inch section provides 10% more carrying capacity. The one piece stamping eliminates the need for rivets. Link bars are case hardened and fit the section perfectly. The link bolts are tested to 80,000 pounds tensile strength which is far in excess of any pull that could be developed even in the hardest going.

Snow Flyer Belt is guaranteed to be the finest belt possible to produce in quality and for utility.



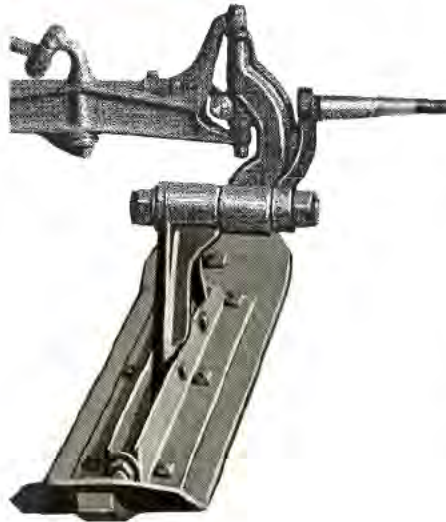
This shows the complete belt assembly. Note the ample clearance between sections which prevents clogging. The wide surface providing maximum traction is very evident.



All Steel Runners

The illustrations show a side and front view of the Snow-Flyer All Steel Runner.

Note the sturdy construction as shown by the lower illustration. The same durable construction is maintained throughout in the entire design of the Snow Flyer.



Patents Pending
U. S. A. and Dominion
of Canada.

An Exclusive *Snow Flyer* Feature

THE Snow Flyer All Steel Runner is a real triumph in engineering. It is sturdily made of steel and specially designed so that it will not break when going into pitch holes. It is equipped with a special removable sub-sole $\frac{1}{2}$ inch thick. This sub-sole is attached with four countersunk bolts. The sole is $1\frac{3}{4}$ inches wide and 54 inches long. The back of the runner is $\frac{1}{8}$ inch thick, 8 inches wide and 56 inches long. The sub-sole is fitted with a special hardened carbon steel round keel $\frac{5}{8}$ inches in diameter and 18 inches long. This makes steering easy and positive. Also protects runner and sub-sole when traveling over bare spots in the road. Quickly replaceable by removing two nuts.

The runner casting and steering knuckle are equipped with bronze bushings and grease cups. Runner casting is designed so gauge can be changed from standard to narrow without removing from axle. A shaft $1\frac{1}{2}$ inches in diameter and 8 inches long is used to connect runner casting and steering knuckle.

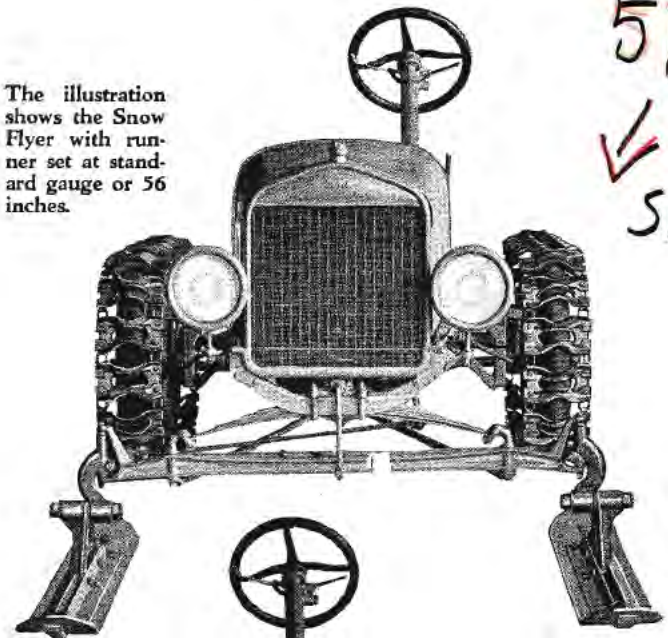
Comparison will emphasize the fact that the Snow Flyer Steel Runner is the most practical, durable and efficient made.

Snow Flyer

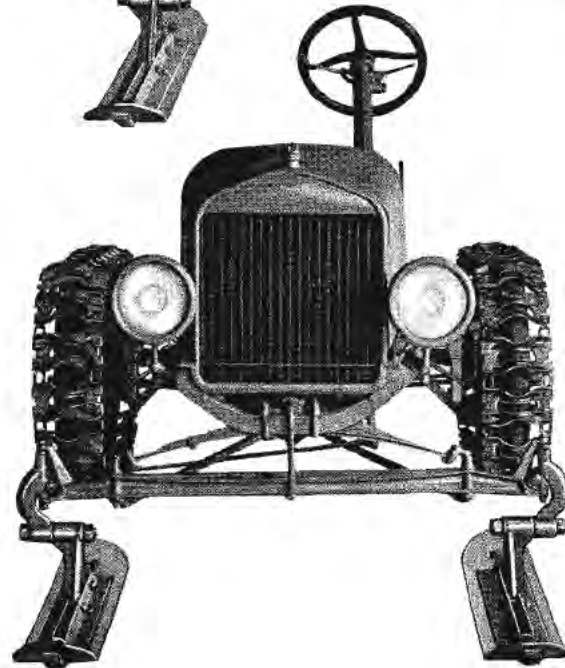
Adjustable Duo-Gauge

THE adaptability of the Snow Flyer to standard and narrow gauge roads is a feature that is of vast importance. There are times when it is more practical to use the narrow gauge. In such cases it makes no difference to the Snow Flyer driver whether the path is standard or narrow gauge. The change is made quickly. It is made by simply removing the outside nut in the runner shaft and placing the runner on the inside and replacing. This is the method for setting runners to narrow gauge. Standard is set by reversing the operation. The adjustable Duo-Gauge is a feature found only on the Snow Flyer.

The illustration shows the Snow Flyer with runner set at standard gauge or 56 inches.

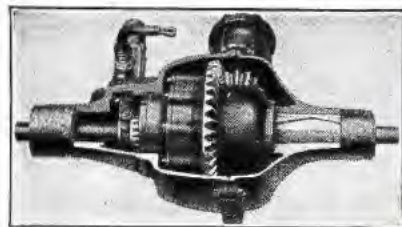


56
✓
55



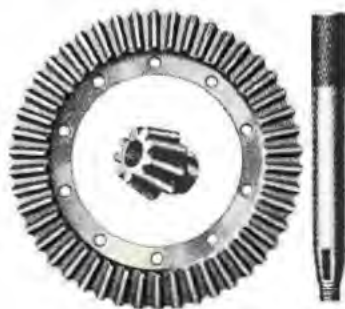
Here is shown the position of runners when set for narrow gauge or 44 in.

The Scurlock Differential



The Ruckstell Axle

Bevel Ring Gear and Pinion



Exclusive *Snow Flyer* Features

FROM the time the development of the Snow Flyer began six years ago, the one thought in mind was to build up an attachment to efficiently serve a definite purpose and not to build down to a price. Due to the particular purpose of the Snow Flyer the development of power was the most important factor. For this reason the best units possible to obtain to produce power under all conditions were selected for Snow Flyer. Among these are:

The Scurlock Differential which provides positive and uniform power application to both belts. Regardless of road conditions wheels will not slip. It prevents getting stuck, saves tires and gasoline, prevents skidding—increases speed and saves belt wear.

The Ruckstell Axle is furnished as standard equipment. This device provides four speeds forward and two reverse. This device is used exclusively in Snow Flyer attachments for Fords. The gear ratios figure as follows: In flat regions the standard Ford 4 to 1 gear is sufficient as it produces 6.16 to ratio in Ruckstell intermediate high. The standard 5 to 1 ring gear and pinion as furnished with Snow Flyer produces 8.25 to 1 ratio Ruckstell intermediate high. This provides ample power for heavy going. This 5 to 1 ring gear and pinion produces ample power when used with standard Ford high under ordinary conditions. The gear ratio is approximately 8 to 1 which will meet the conditions of the heaviest snow blown roads.

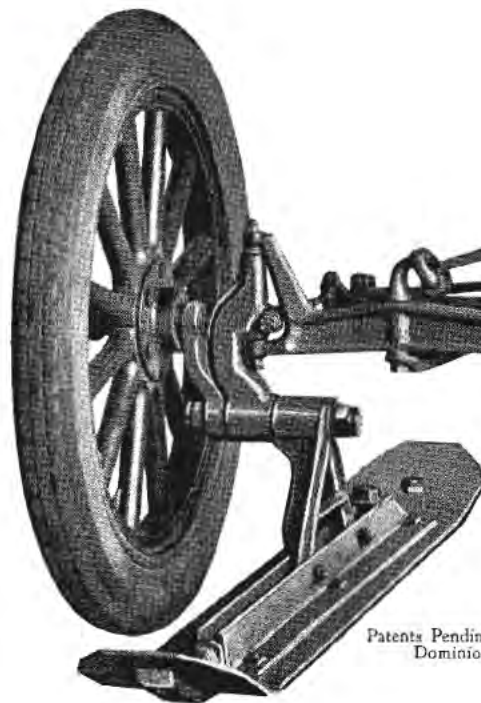
The Snow Flyer Ring Gear and Pinion produces power in abundance. This gear produces a ratio of 5 to 1 which is absolutely necessary to develop sufficient power to meet the heaviest travel. Special propeller shaft with two key ways to fit pinion gives additional strength. The combination of these units give the Snow Flyer undisputed power leadership of the snow attachment field.

Snow Flyer

Auxiliary

Front Wheel Axle

IN the development of the Snow Flyer every possible road condition has been anticipated. The auxiliary front wheel axle is an emphatic example of this statement. The purpose of this feature is to meet the condition where the Snow Flyer must travel both city streets which are bare of snow, and when the roads are partly open in the early spring, and the snow drifted roads of the open country. An extra set of wheels are carried which are quickly put on or removed as conditions require. This is a feature that has been accorded much favorable comment and is one that gives Snow Flyer 100% utility under all conditions.



Patents Pending in U. S. A. and
Dominion of Canada.

Snow Flyer

Special Body for Mail Carriers



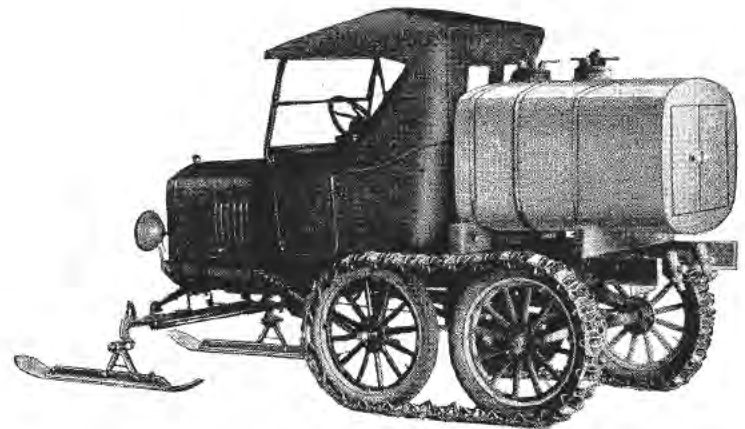
SPECIAL panel bodies are furnished as special equipment for mail carriers. Great care has been given to the designing and construction of this type of body to provide maximum strength and minimum weight. These bodies are made by experienced body-builders and are of the same high quality of construction that is maintained throughout in the building of the Snow Flyer.

Prices and specifications will be furnished upon request. These bodies are adaptable to any business that requires a panel body. They are snug, well-finished and excellent value.

Snow Flyer

Special Body for Oil Dealers

FIRMS engaged in the oil business have adopted the Snow Flyer as a sure means of maintaining their delivery service regardless of the depth of the snow. This equipment is equally efficient in mud or sand. Regardless of how heavy the going, Snow Flyer is fully powered to meet every emergency. To meet the demand for oil business equipment, a special body has been designed for use with the Snow Flyer. These bodies are practical in design and durable in construction. Prices will be quoted upon application.



Specifications

Tanks made of 14 gauge metal, tested under air pressure. Furnished with two compartment tank, can rack, pipe and self closing faucets, fill caps with duplex vents, sill together with clamps. Painted one coat of prime paint.

Snow Flyer

Guarantee

GUARANTEE

The Snow Flyer is absolutely guaranteed to be perfect in construction, material and assembly when shipped from the factory. Any part or parts that break or prove defective through fault of material will be replaced **FREE** of charge for a period of 90 days from date of purchase.

Snow Flyer Corporation

A. L. Langensfeld

President.

THE Snow Flyer is unconditionally guaranteed to be mechanically perfect in design, construction and assembly. All materials used are of the best quality and selected only after exhaustive experiments and most rigid tests.

The purchaser of a Snow Flyer buys with the full confidence of receiving a thoroughly engineered, practical and proved device. The Snow Flyer is fully covered by patents and is acknowledged to be the most completely developed and perfected device of its kind.

The Company that produces Snow Flyer is a reliable, amply financed corporation that has established an enviable reputation for integrity. Snow Flyer dealers are given full co-operation with the absolute understanding that the purchaser of a Snow Flyer must be satisfied.

The **Snow Flyer**

THE development of the Snow Flyer for Chevrolets has been governed by the same care in engineering principles as practiced in the designing and production of the Snow Flyer for Fords.

The general equipment throughout is identical with that of the Ford equipment, the exceptions being in the case of mechanical differences in transmission. For example, the Ruckstell Axle is not required as the Chevrolet standard transmission provides three speeds forward. A special Snow Flyer Power Ring Gear and Pinion is furnished for the purpose of developing greater power. This produces 5 to 1 ratio in Chevrolet high, 9 to 1 in medium and 17 to 1 in low. In all other features the Snow Flyer equipment is the same.

The Snow Flyer as Chevrolet equipment has proved exceptionally popular; can be used with model K open and model V chassis. Your dealer will be glad to demonstrate the Snow Flyer and explain its superior features.

THE SNOW FLYER CORPORATION

New Holstein, Wisconsin

for
CHEVROLETS

*An Improved
Winter Attachment
that is mechanically
perfect*





This shows the Snow Flyer
as equipped for Chevrolets.

Snow Flyer is the Most Satisfactory Equipment You Can Buy at Any Price

THE preceding pages of this catalog have fully described the Snow Flyer in detail. After reading it you cannot fail to be impressed with the engineering skill that has been employed in building the Snow Flyer. You will appreciate the reasons why such care has been exercised to select the best units for every operation. Realizing all of these points you can readily see why it is good business on your part to purchase the Snow Flyer. Then your purchase money will become a real investment that will pay you in dividends of service and satisfaction.

As has been said before, the Snow Flyer has been built up to a standard of service and not down to a price.

Go to any Snow Flyer dealer and see with your own eyes how durably and perfectly the Snow Flyer has been constructed. This inspection will convince you that the Snow Flyer is the most satisfactory equipment that you can buy at any price.

THE SNOW FLYER CORPORATION
New Holstein, Wis.

SNOW FLYER

Retail Prices Effective January 1st, 1928

FOR FORD

56" Snow Flyer Attachment	\$165.00
44" Snow Flyer Attachment	200.00
38" Snow Flyer Attachment	250.00
Ruckstell Axle	59.00
Scurlock Differential	13.50
Super-Power 44 Tooth Ring Gear (3½% Nickel Steel)	
Super-Power 10 Tooth Pinion (3½% Nickel Steel)	20.00
Auxiliary Front Wheel Axles.....	15.00

FOR CHEVROLET

56" Snow Flyer Attachment	\$175.00
Scurlock Differential	15.00
Super-Power 46 Tooth Ring Gear (3½% Nickel Steel)	
Super-Power 9 Tooth Pinion (3½% Nickel Steel)	20.00
Auxiliary Front Wheel Axles.....	15.00

All prices are F. O. B. New Holstein, Wis.

Terms: Sight Draft with Bill of Lading Attached.

Attachment for Fords fits all Model "T" open cars except 1926-27 Touring.

Attachment for Chevrolets fits all Model "K" chassis, Model "K" Roadster and Model "V" chassis.

Prices on Special Mail Carrier's Body, Special Coupe Body and Oil Jobbers Tank furnished upon application.

All prices subject to change without notice.