

THE ALL-PURPOSE VEHICLE FOR THE FARM

THE UNIVERSAL

# Jeep



Handy as a farm runabout...

One vehicle for almost endless uses on the farm and on the road. A paying investment that spreads its cost over many a job—as a runabout, truck, tractor and mobile power unit. Usable every day... every season of the year.



Practical as a farm pick-up truck...

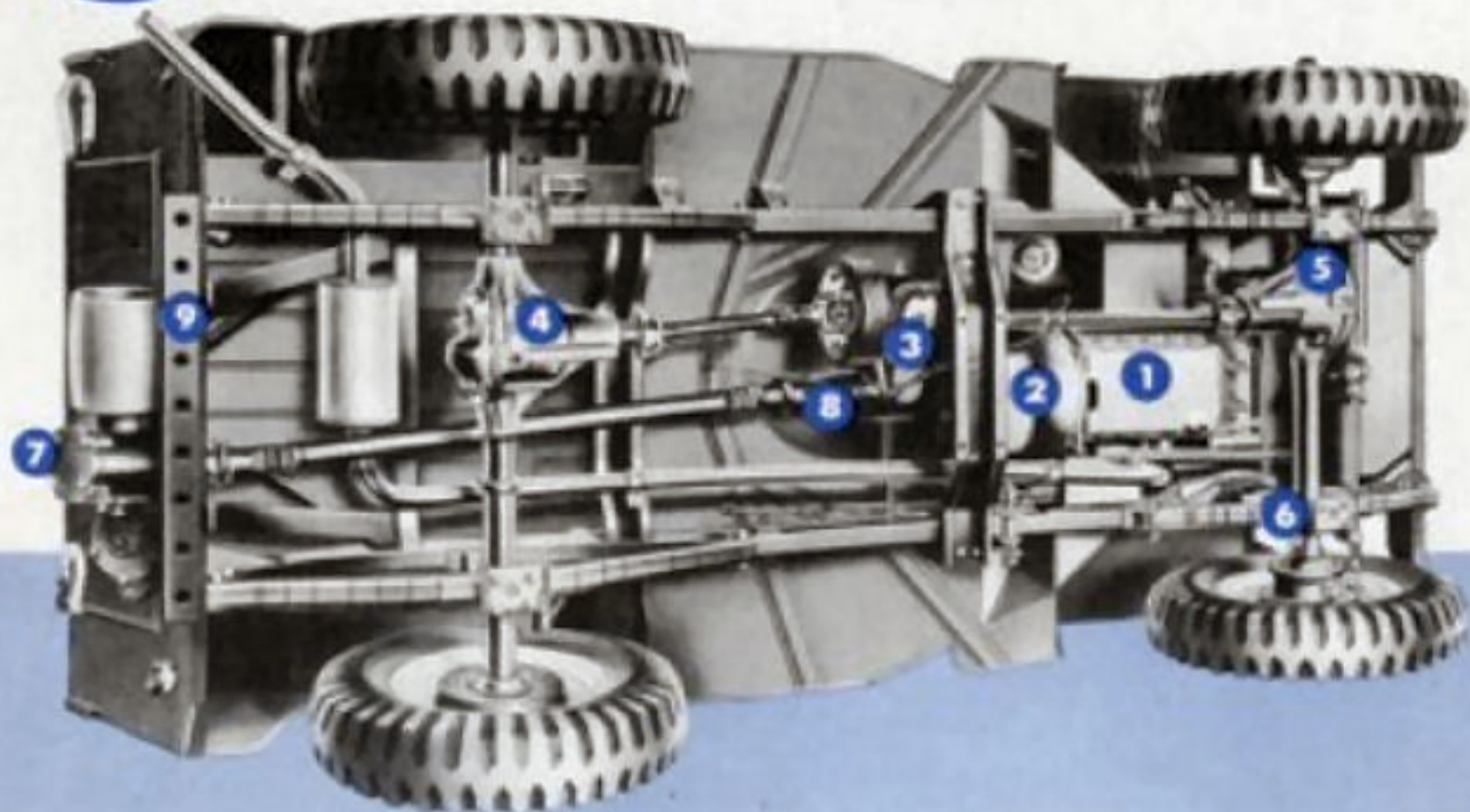


Efficient as a farm tow-truck...

**WILLYS-OVERLAND MOTORS, INC.**  
TOLEDO 1, OHIO



# 9 REASONS WHY THE 'Jeep' CAN DO ALL IT DOES!



- 1 THE 4-CYLINDER, 60-H. P. WILLYS-OVERLAND 'JEEP' ENGINE** . . . which powered the military "Jeep" over billions of miles in all parts of the world has been improved for even greater economy and more versatile performance on the farm. Its long life under the pressure of round-the-clock, round-the-calendar farm usage proves its ability to take it.
- 2 TRANSMISSION** . . . 5 speeds forward, 1 reverse in 2-wheel-drive for economical highway travel.
- 3 TRANSFER CASE** . . . an auxiliary gear unit, attached to the rear of the transmission, engages front-drive axle for 4-wheel-drive, used for pulling farm implements and trailed loads. Shift lever to driver's right. Transfer gear ratios, in conjunction with transmission gear ratios, give the "Jeep" 6 speeds forward and 2 reverse.
- 4 REAR DRIVE AXLE** . . . drives the "Jeep" at 60 m.p.h. in 2-wheel-drive.
- 5 FRONT-DRIVE AXLE** . . . teams with rear axle in 4-wheel-drive for tractor work; hard pulling in mud, sand or snow; towing highway trailed loads.
- 6 SPRINGS AND SHOCK ABSORBERS** . . . newly engineered for easier riding on the road or across the field.
- 7 REAR POWER TAKE-OFF** . . . furnishes power from spline-shaft drive for power mowers, sprayers, binders, post hole augers, etc.; for pulley-drive for threshers, corn shellers, ensilage cutters, buzz saws, etc.
- 8 CENTER POWER TAKE-OFF** . . . powers insecticide blowers, compressors, generators and other V-belt-drive equipment.
- 9 DRAW BAR** . . . provides 9 horizontal positions and 2 heights for proper tracking of towed implements. Beaced, welded iron construction gives maximum strength.



**AGRICULTURAL EQUIPMENT  
POWER TAKE-OFF OR  
PULLEY OPERATED  
WHICH CAN BE USED WITH  
THE UNIVERSAL 'JEEP'**

	<b>RANGE OF P. T. O. HORSE POWER REQUIRED</b>	<b>RANGE OF DRAW-BAR PULL REQUIRED</b>
Baler—Stationary	5-15	
Binder—Corn—Single row	4-5	150-250
Binder—Grain—10-foot	4-8	200-300
Combine—62-inch	15-23	400-700
Elevator—Grain or Hay	2-5	
Feed Grinder Burr Mill—12-inch	10-25	
Hammer Mill—10-inch	15-30	
Mowing Machine—7-foot	3-5	100-200
Post Hole Digger—9-inch auger	3-5	
Saw—Buzz—30-inch saw	5-20	
Sheller—Corn—No. 15 Sandwich	10-16	
Silo Filler—14-inch	20-30	
Sprayer—Orchard—200-gallon		300-600
1. 25 G.P.M. @ 700 lbs.	12-20	
2. 20 G.P.M. @ 700 lbs.	10-14	
3. 15 G.P.M. @ 600 lbs.	9-13	
Thresher—22-inch cylinder	20-30	

*Mounted circular saw—30" blade*



**HORSEPOWER—1 H.P. is equal to  
a draw-bar load of 150 pounds  
at 2.5 miles per hour**



*300 gallon orchard sprayer  
15 G.P.M. at 600 lbs. pressure*



*15' ensilage cutter*



*Corn sheller shells 300 bushels of corn per hour*



*10" power-driven post hole auger*



*22" grain separator*



## DRAW-BAR PULL AND DEPTH FOR 6- AND 7-FT. TANDEM DISC HARROWS

These tests have been run with a 6-ft. harrow having 24 discs of 16" diameter, and a 7-ft. harrow having 28 discs of 15" diameter.

The asterisk (\*) indicates the depth which gives best results.

See soil classifications below.

SIZE OF DISC	6-FOOT			7-FOOT		
	Previously Disked		Winter Packed	Previously Disked		Winter Packed
CULTIVATION						
SOIL CONDIT'N	Average	Hard	Hard	Average	Hard	Hard
Depth in Inches						
2.....	500	550	550	260	300	400
2½.....	540	400	500	280	330	460
3.....	590	450	600	320	370	500
3½.....	650	520	700*	410	460	750
4.....	510	600	800	510	600	920*
4½.....	560	700*	900	600	750	1100
5.....	620	800	1000	700	900*	1500
5½.....	680	900	1100	800*	1060	
6.....	725	1000	1200	900	1240	

## DRAW-BAR PULL FOR SPRING TOOTH AND SPIKE TOOTH HARROWS

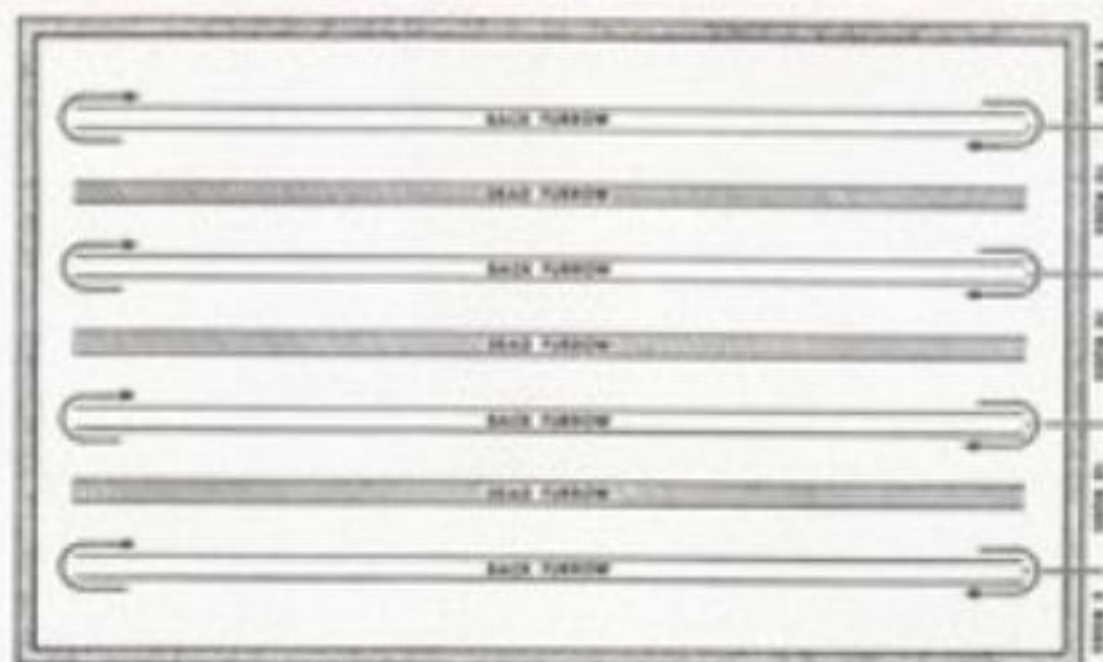


Depth in Inches	SPRING TOOTH HARROW 3-Section—25 Teeth—8' 6" Wide			SPIKE TOOTH HARROW 3-Section—30 Teeth—15' Wide	
	Previously Disked		Winter Packed	Previously Disked	
	Average	Hard	Hard	Average	
2.....	400	450	450	175	
2½.....	550	670	750	280	
3.....	680	870	1040	580	
3½.....	800	1060	1280	660	
4.....	880	1210	1500	840	
4½.....	940	1540	1700	600	
5.....	1000	.....	.....	660	

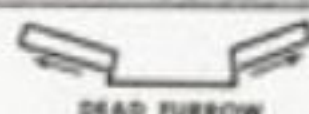
## DRAW-BAR PULL AND PLOWING DEPTH FOR 18" SINGLE AND 12" DOUBLE PLOWS

DEPTH IN INCHES	18" Single			12" Double		
	Soft	Med'm	Hard	Soft	Med'm	Hard
5.....	578	680	900	740	800	1120
5½.....	658	750	1050	810	870	1220
6.....	699	820	1150	900	960	1340
6½.....	750	890	1200	960	1030	1450
7.....	800	950	1340	1030	1110	1560
7½.....	860	1020	1430	1100	1190	
8.....	920	1090	1530	1180	1270	
8½.....	980	1160		1250	1350	
9.....	1050	1230		1320	1430	

## METHOD OF PLOWING WITH THE UNIVERSAL 'JEEP'



BACK FURROW



DEAD FURROW

Lay out the field lengthwise in lands or sections as shown by the back furrows in the diagram. The width of the lands will vary according to the field size; however, make the lands as near ten rods in width as possible.

## SOIL CLASSIFICATION

### SOFT—

Sandy soil with light sod or sandy soil with stubble or Sandy loam without cover.

### MEDIUM—

Sandy loam with sod or stubble or Sandy clay loam without cover.

### HARD—

Sandy clay loam with sod and stubble or Clay loam with light sod.