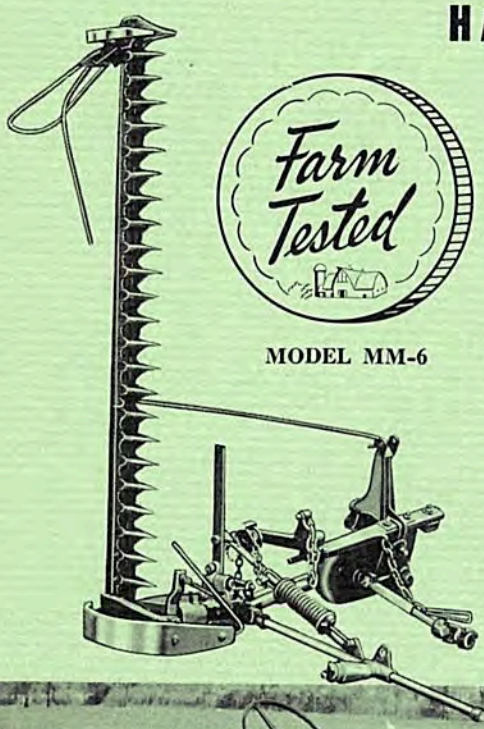
NEWGREN LIFT-TYPE MOWER

HAY OR WEEDS OR GRASS—HERE'S

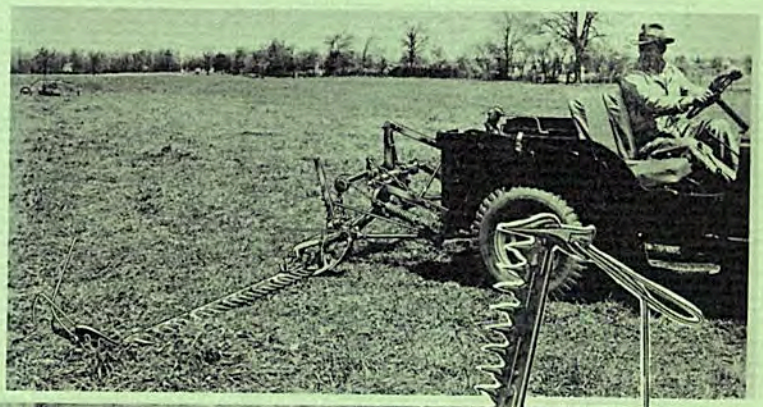
FASTER CUTTING

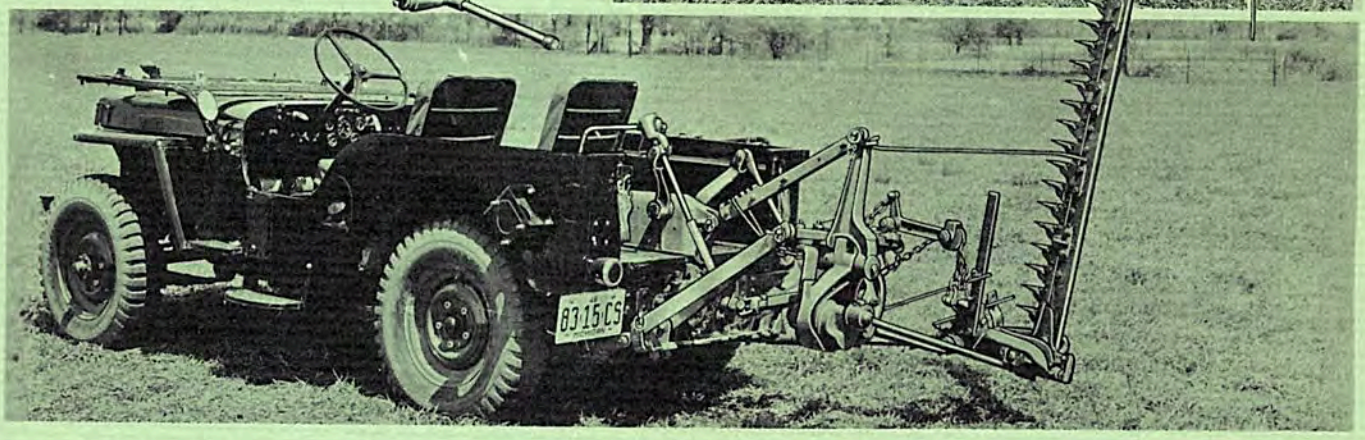
AT YOUR FINGERTIPS



Farm Tested

MODEL MM-6





NEWGREN

THE NEWGREN COMPANY • BUTLER, PA.

Farm Implements Especially "Tailored" for Use with the Jeep Equipped with the Monroe Hydraulic Lift

•

Newgren implements also may be used with tractors equipped with three-point hitch hydraulic systems

AUTOMATIC SAFETY BREAKAWAY

You'll get the hay crop down faster . . . you'll cut weeds or grass or brush easier . . . you'll get in and out of corners and cut around trees or along fences more efficiently with this Newgren lift-type mower, farm-tested for the Jeep equipped with the Monroe Hydraulic Lift.

If the cutter bar strikes a hidden obstruction in the field, an automatic safety breakaway releases the bar and it swings backward—no damage is done. To put the bar back into operating position, simply back up the Jeep until the bar engages. And when you want to raise the bar to pass over a gully, for example, a finger touch on the lift control will do the trick. Lowering is just as easy.

NEWGREN MOWER AVAILABLE IN 6-ft. or 7-ft. CUTTER BAR LENGTHS.

THE NEWGREN COMPANY • BUTLER, PA.

JEEP AGILITY WITH LIFT CONTROL

Gives You—

- **Full fingertip operation of the mower without awkward, tedious adjustments—raising and lowering is hydraulically controlled with the Monroe Lift.**
- **Clean, efficient cutting on the straightaway and with square corners.**
- **Fast transportation to and from the field, and 3-point attachment or detachment that is accomplished in a few minutes.**
- **Dependable operation of the mower bar through connection with the power takeoff of the Jeep.**
- **Efficiency on hillsides or in pastures—you have the advantages of Jeep four-wheel-drive traction and safety.**
- **Controlled cutting height—also at your fingertips with the Monroe Hydraulic Lift.**
- **Sold exclusively through Willys-Overland distributors and dealers, assuring prompt service and easily obtainable parts.**

ADDED FEATURES Knife sections and clips of highest quality, heat treated steel. Timken bearings—main and Pitman crank. Steel Pitman ball joint. Iron shoes and guards. Pressure lubrication fittings throughout. Weights: 6-ft. bar, 453 pounds: 7-ft. bar, 463 pounds.

Photos show Newgren mower in operation, cutting hay. Note clean, straight cuts and the obvious ease with which the Jeep, Monroe Lift, and Newgren mower do the job. Operator sits in comfort and businesslike mowing is at his fingertips.

The Newgren Company reserves the right to change specifications and design without incurring obligation.

THE NEWGREN COMPANY

Engineers and Distributors of Farm-Tested Implements

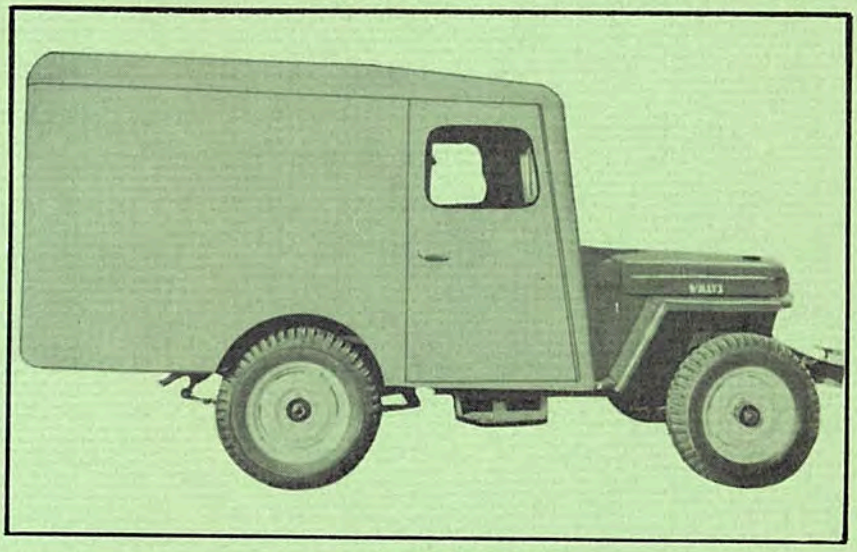
BUTLER, PENNSYLVANIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

Now! An ALL-STEEL 'Jeep' Panel Body!

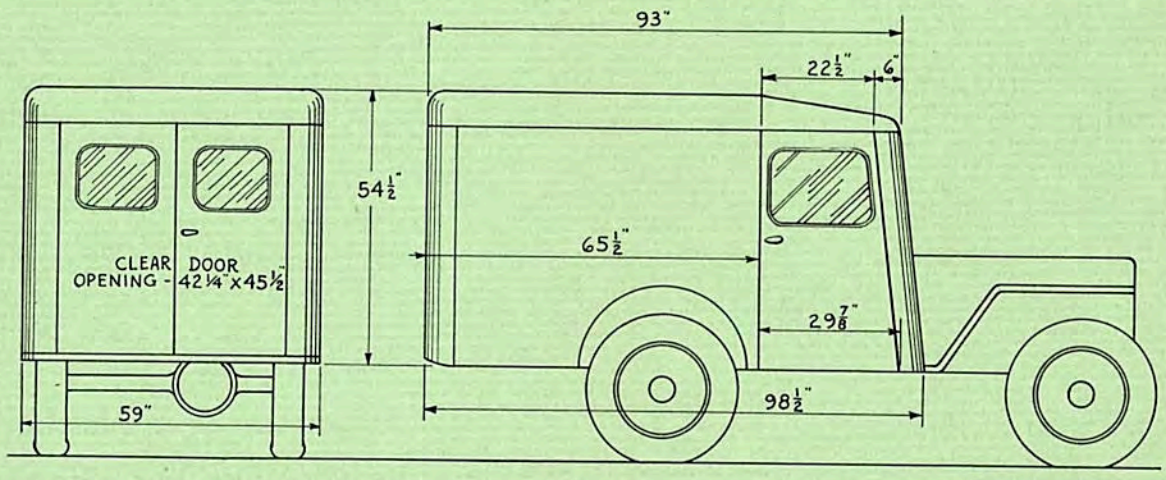
STREAMLINED — IT COMES KNOCKED-DOWN IN 5 SECTIONS ...CAN BE ASSEMBLED IN ONLY 3 HOURS!

The most important feature of this panel delivery body is its ruggedness made possible by the use of heavy gauge steel throughout. It is pre-fabricated in 5 sections at the factory and can be bolted together and completely assembled in about three hours. Side sections, including both front and rear doors, have been welded to make a single unit, thus assuring greatest strength at all points of stress. Equipped with spacious shelf in front of driver it also features full-opening rolling windows in both front doors. Body is primed at factory ready for customer's own color. It is shipped in a sturdy crate.



FEATURES

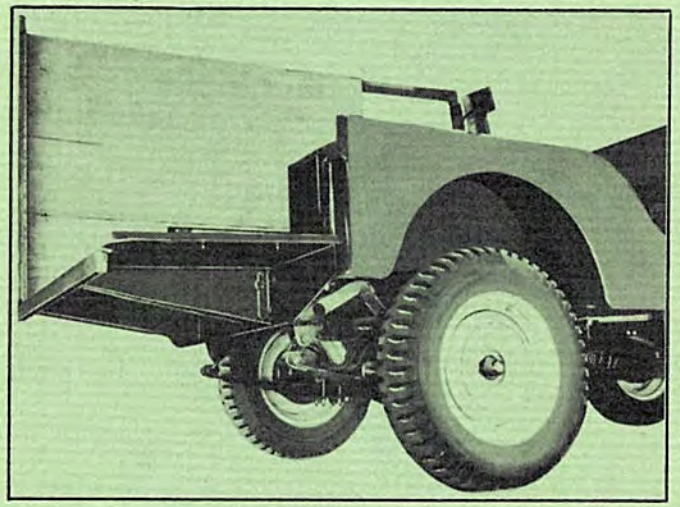
All body panels made of 20 ga. sheet steel. SUPPORTING ribs 16 ga. steel. STEEL corners 18 ga. STEEL extension of body 24 inches. WINDOW regulators and hardware made by Hanson. MOUNTED on 'Jeep' in three hours and DISMOUNTED in one-half hour. WATERTIGHT overlapping seams prevent leakage. STURDY-BUILT to body and frame for longest life — it becomes integral part of 'Jeep.' SIDE windows roll up and down. PAYLOAD space totals 92 cubic feet. LARGE rear doors with full-length hinges allow for easy loading and unloading.

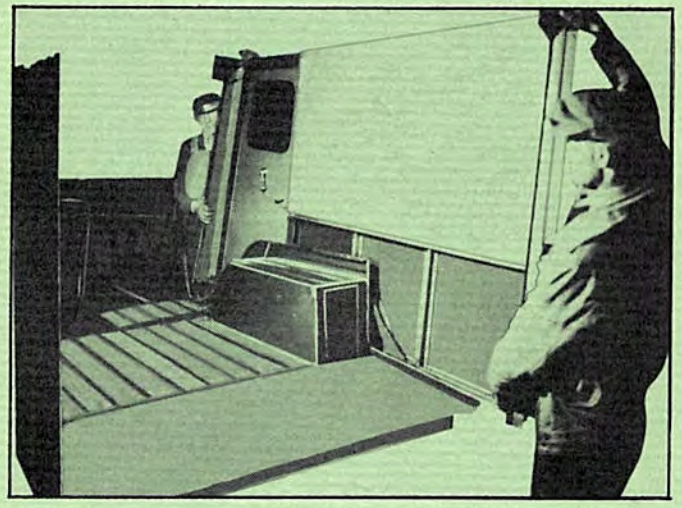


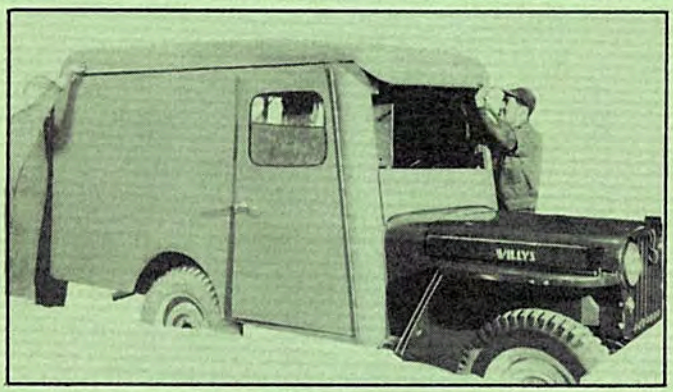
S & B CORPORATION

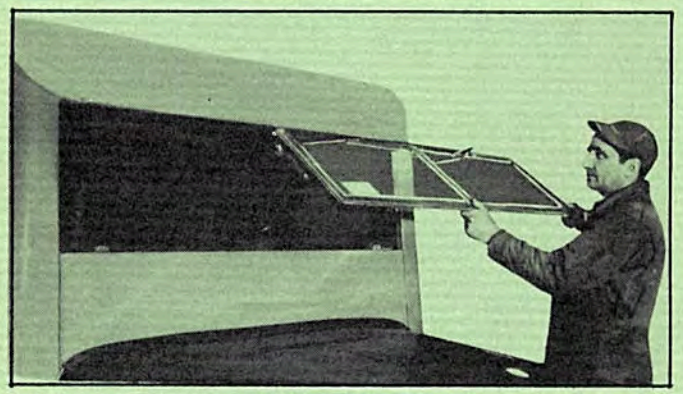
112-10 ROCKAWAY BLVD., OZONE PARK 16, N. Y.

Here's how EASY it is to install the ALL-STEEL S & B Panel Delivery Body on the Universal 'Jeep'

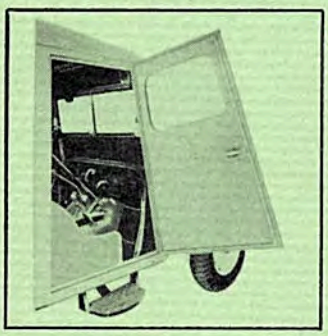


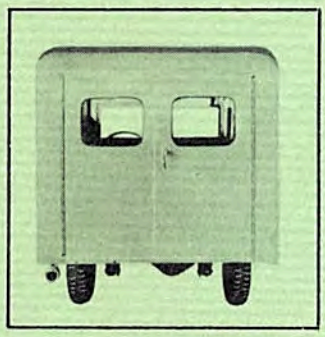


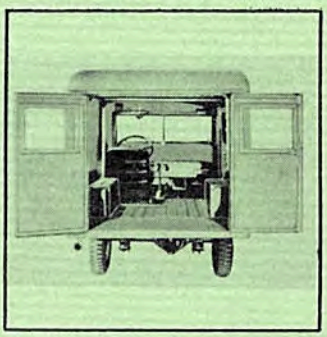




DESIGNED FOR GREATEST CONVENIENCE, MAXIMUM EFFICIENCY







All-steel radius post • **Steel doors and locks, front and rear** • **Steel roof**

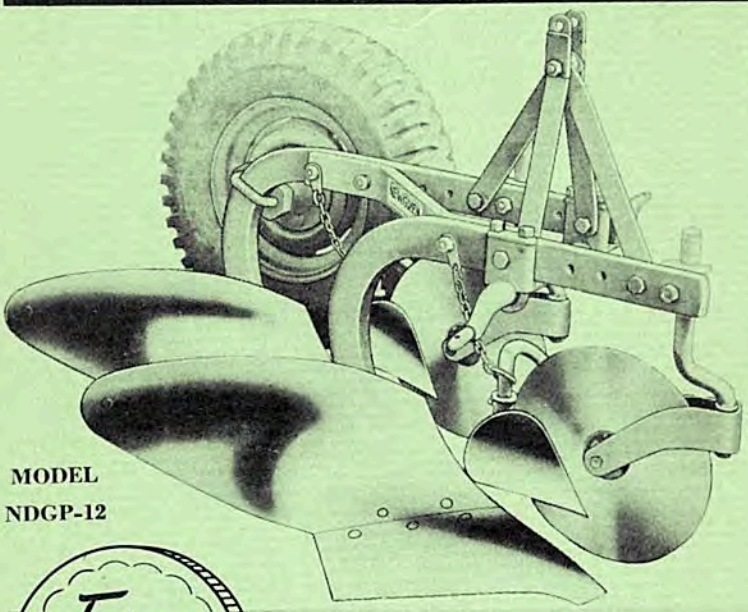
Steel 5/16" retainer nuts spot-welded to body • **Side-assembly includes post, door side and back**

FOR ADDITIONAL INFORMATION WRITE

S & B CORPORATION

112-10 ROCKAWAY BLVD., OZONE PARK 16, N. Y.

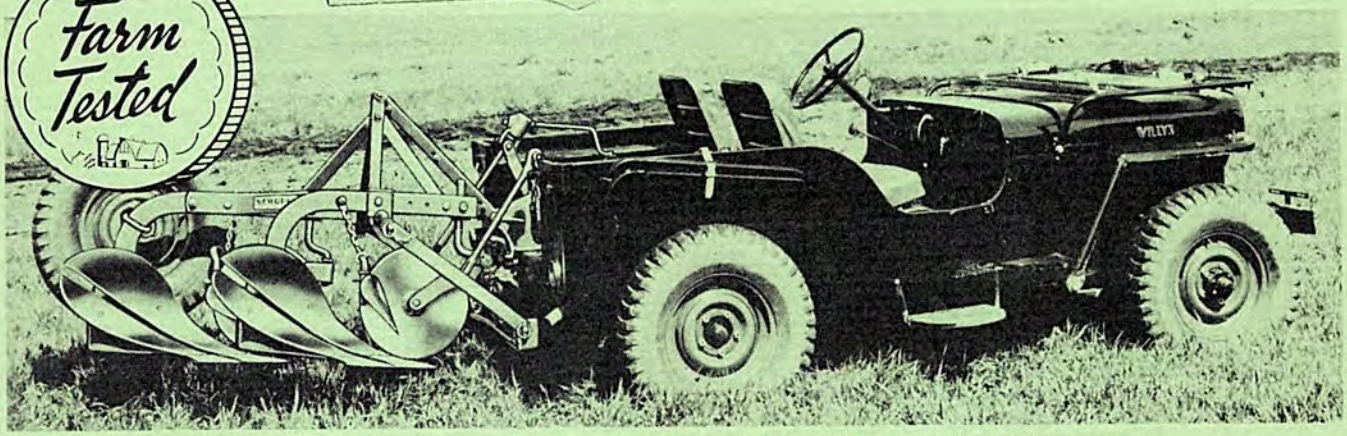
NEWGREN 2 - BOTTOM 12 - IN. MOLDBOARD PLOW



MODEL
NDGP-12

GENERAL PURPOSE BASE FOR FASTER, CLEANER PLOWING WITH ONE ADJUSTMENT

Farm Tested



NEWGREN
THE NEWGREN COMPANY • BUTLER, PA.

Farm Implements Especially "Tailored" for Use with the Jeep Equipped with the Monroe Hydraulic Lift

•

Newgren implements also may be used with tractors equipped with three-point hitch hydraulic systems

A NEW PLOWING EXPERIENCE

Take your Jeep with its four-wheel-drive traction and easy, fast handling. Equip it with a Monroe Hydraulic Lift to give you three-point hitch, hydraulic implement operation, finger-touch control and adjustable down pressure.

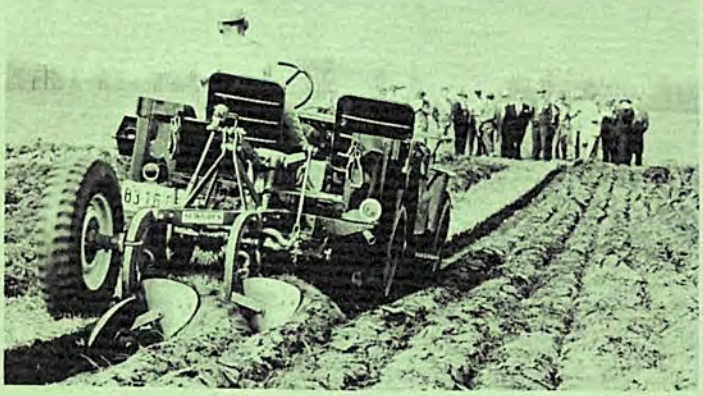
Then, add a Newgren double-bottom 12-inch plow with a general purpose base, and you have a truly amazing unit that will do a fast, clean, efficient plowing job in any size field with normal soil conditions.

After opening headland furrows, you make but one leveling adjustment, and you are ready for a complete plowing job that can be handled by any farmer. And when your plowing is finished, your Monroe Lift-equipped Jeep is ready for all other farm operations—and for 365-day usefulness in general transportation and hauling.

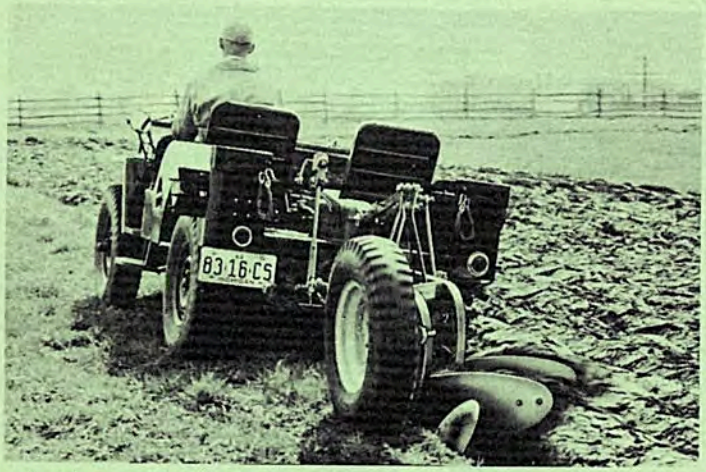
PLOW SPECIFICATIONS—Carefully engineered and farm-tested. Three-point hitch to Monroe Hydraulic Lift. Mounting and detaching in one minute. Plow frame has high carbon, steel-forged beams and high carbon struts. Polished, tempered, soft center steel moldboards and crucible steel shares. Rolling coulter and jointer combination with 15-in. coulter disc of heat treated high carbon steel. Pressed steel furrow wheel mounted on rear landslide. Clearance, share points to beams, 21 inches. Pressure grease gun fittings throughout. Sturdy spindle type frame mounting for Jeep spare wheel and tire used as depth wheel affords easy adjustment on plow beam (mounting adapter at slight extra cost). Weight of plow complete, 430 pounds. Accessories also available.

THE NEWGREN COMPANY • BUTLER, PA.

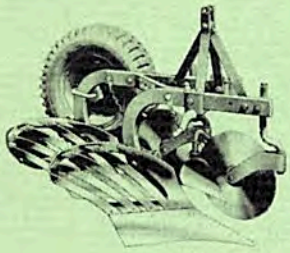
"THIS IS REAL PLOWING"



First step in closing furrow with Newgren double-bottom 12-in. moldboard plow with general purpose base.



Another example of the clean, fast plowing possible with the Monroe Lift-equipped Jeep and the Newgren plow.



Newgren double-bottom 12-in. moldboard plow with slat bases (Model NDSB-12).

Newgren double-bottom 14-in. moldboard plow with patented Forgy bases (Model NDF-14).

AND THIS IS WHY—

- Long moldboards provide faster, cleaner plowing with proper turning for sod turf, such as clover, timothy and alfalfa.
- Fingertouch controls of Monroe Lift raise plow for maneuvering and "close quarter" operation, and lower plow to proper operating position in ground. Handy leveling control.
- Monroe Lift has down pressure that is adjustable up to 500 pounds, giving the equivalent of that much more weight to plow, if needed.
- Use of Jeep spare wheel and tire as depth wheel gives advantage of more wheel area and less ground pressure, keeps bearings out of dirt and operates at slower speeds with less bearing wear.
- High clearance of plow assures clean plowing in heavy trash or tall weeds. Hydraulic lift Jeep plow operates in corners and close to fence rows.
- Gives to every farmer the benefit of results developed in strenuous, continuous tests on 6,000-acre Newgren-Monroe farms in Michigan and Georgia where countless soil conditions exist.

The Newgren Company reserves the right to change specifications and design without incurring obligation.

THE NEWGREN COMPANY

Engineers and Distributors of Farm-Tested Implements

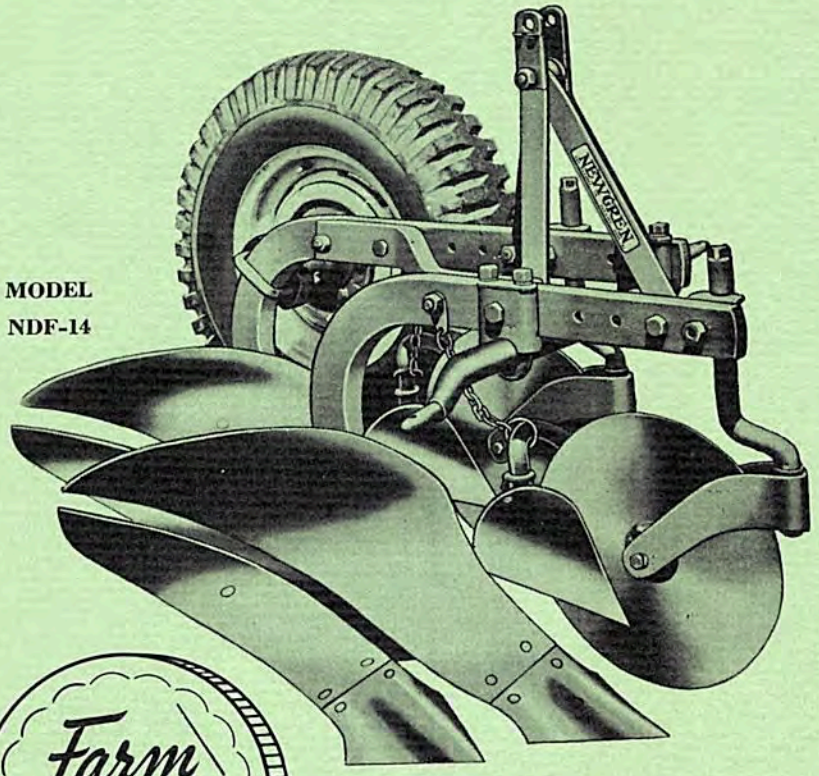
BUTLER, PENNSYLVANIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

NEWGREN 2 - BOTTOM 14 - IN. MOLDBOARD PLOW

PATENTED FORGY BASE TAKES FAR LESS PULL *

MODEL
NDF-14



With two points a bit like cultivator points on each bottom, the Forgy patented base is one of the lightest draft plows ever built. Exclusive with Newgren, this plow takes far less draw bar pull than plows of comparable sizes with ordinary bases, for most soil conditions.

Packed with many other features, the Forgy plow has been called the greatest improvement in basic plow design in a 100 years. Used with the Jeep equipped with the Monroe Hudraulic Lift, it gives you plowing advantages you've never enjoyed with any equipment, especially in dry, hard, rock-free soils.

**According to user reports.*

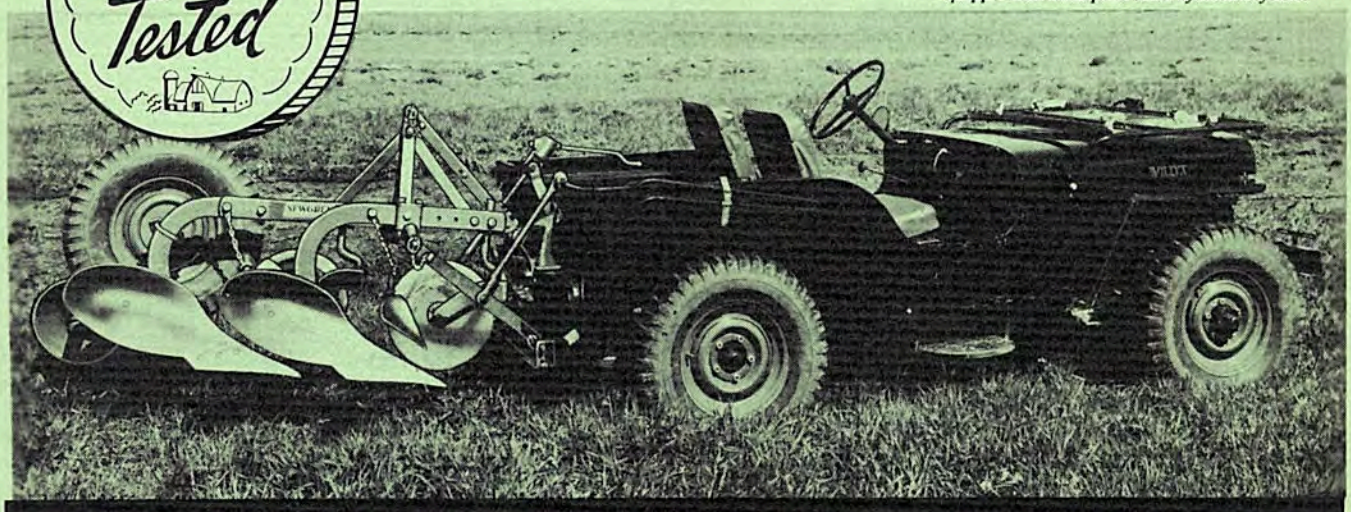
NEWGREN
THE NEWGREN COMPANY • BUTLER, PA.

Farm Implements Especially "Tailored" for Use with the Jeep Equipped with the Monroe Hydraulic Lift

•

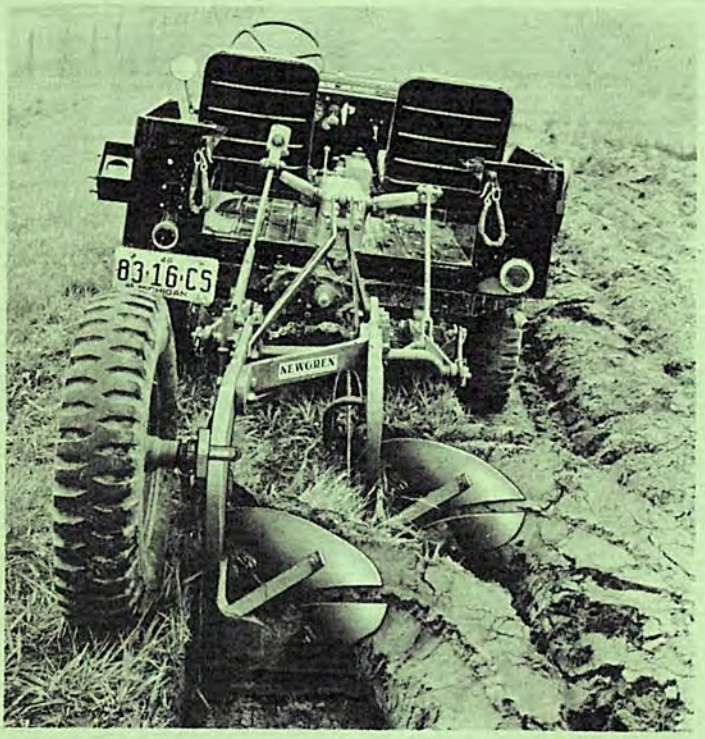
Newgren implements also may be used with tractors equipped with three-point hitch hydraulic systems

Farm Tested



THE NEWGREN COMPANY • BUTLER, PA.

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS - OVERLAND EXPORT Corp., Toledo 1, Ohio.



This is how the Newgren patented Forgy base plow cuts a clean, uniform furrow and pulverizes the soil when used with the Jeep equipped with the Monroe Lift. Note loose plow sole.

Another view of the Newgren patented Forgy base plow in action in the field.

A CONTEST WINNER

- Winner of national plowing contests, the Forgy base is a patented base, that is exclusive with Newgren. There is no landside and no furrow wheel and thus no side pressure on the furrow and fewer parts to wear out. Points are replaceable, and the two points cost less than usual plow share.

- The two sharp points on each bottom cut easily through dry, hard soil, requiring less power than standard bases with obvious savings in gas and oil. Excellent penetration and straight, clean, even furrows are obtained, and even when the points are worn and dull, the plow sole is loose and similar to the sole obtained in good disc plowing.

- Moldboards and points are made of highest quality soft center steel, fully tempered and polished and guaranteed to scour in the same manner as other moldboard plows. Double points and slotted moldboards give excellent pulverization in a wide variety of soils.

- Finger-touch controls of Monroe Lift raise plow for maneuvering and "close-quarter" operation, and lower plow to proper operating position in ground. Handy leveling control.

- Monroe Lift has available down pressure that is adjustable up to 500 pounds, giving the equivalent to that much more weight to plow, if needed.

- Use of Jeep spare wheel and tire as depth wheel gives advantage of more wheel area and less ground pressure, keeps bearings out of dirt and operates at slower speeds with less bearing wear.

- Gives to every farmer the benefit of results developed in strenuous, continuous tests on 6,000-acre Newgren-Monroe farms in Michigan and Georgia where countless soil conditions exist.

SPECIFICATIONS—Mounting and detaching to three-point hitch of Monroe Lift in one minute. Plow frame of high-carbon, steel forged beams and high carbon struts. Pressure grease gun fittings throughout. Sturdy spindle type frame mounting for Jeep spare wheel and tire used as depth wheel affords easy adjustment on plow beam (mounting adapter at slight extra cost). Plow weight, complete, 445 pounds. Accessories also available.

The Newgren Company reserves the right to change specifications and design without incurring obligation.

THE NEWGREN COMPANY

Engineers and Distributors of Farm-Tested Implements

BUTLER, PENNSYLVANIA

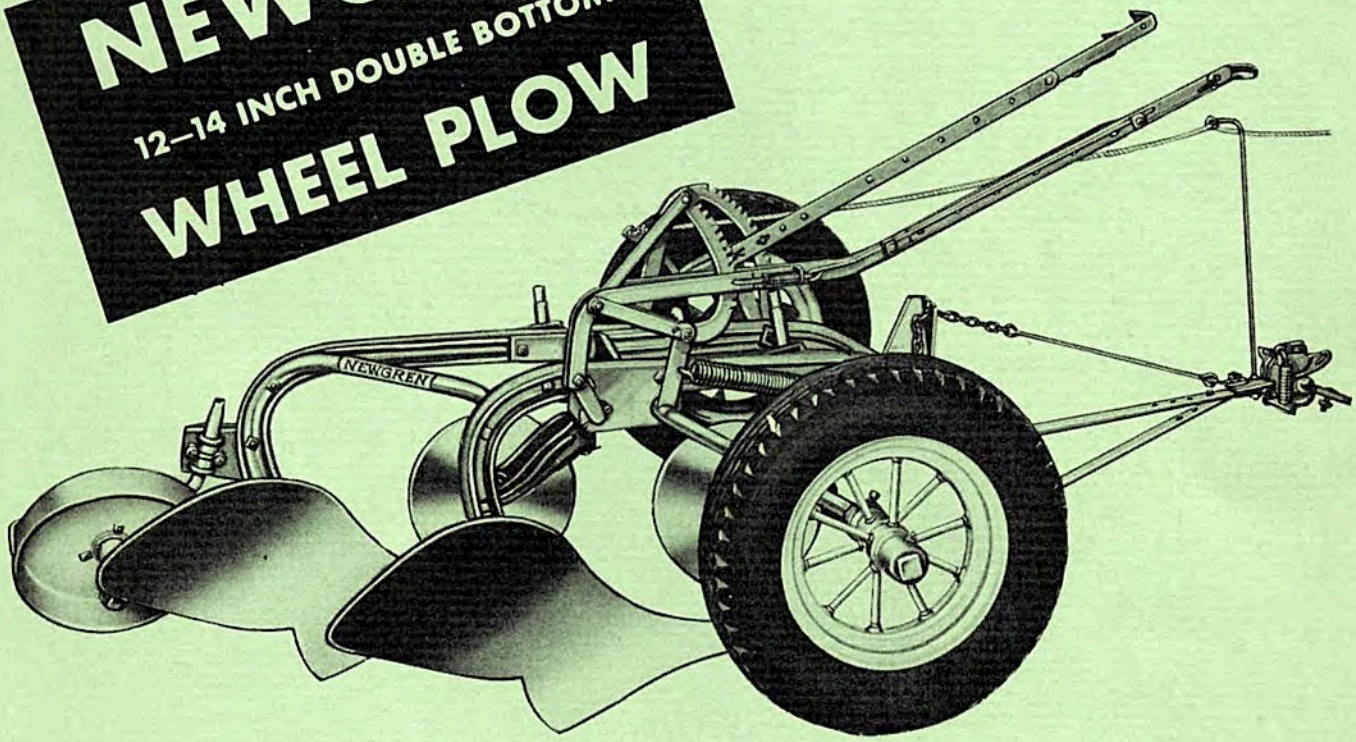
For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

FORM 143-W

NEWGREN

12–14 INCH DOUBLE BOTTOM WHEEL PLOW

FOR USE WITH THE WILLYS JEEP AND ALL TWO-PLOW TRACTORS



FEATURES THAT INSURE EXTRA VALUE

STRONG CONSTRUCTION, the beams are heavy, made of high carbon steel with a heavy diagonal brace and strong cross braces. The frogs are heavy steel, strongly braced. The base and beam assembly is very strong and rigid.

SIMPLE CLUTCH, enclosed, dust proof, no springs inside the clutch box; minimum wear insuring years of service.

ALL TYPE PLOW BOTTOMS available with the Newgren wheel plows turn a perfect furrow and scour in the most difficult soil.

LARGE ROLLING LANDSIDE, easy to adjust, strong construction.

PERFECT WORK with any tractor. The hitch is provided with ample adjustment so the plow will do good work with any make tractor. The length of the levers can be adjusted so the levers are always convenient to operate.

SPRING TRIP HITCH, releases plow if an obstruction is encountered. Lift lever makes it easy to recouple.

ZIRK TYPE OILERS in coulter bearings and wheels.

THE NEWGREN COMPANY

Equipment Tailored For The Jeep

730 Phillips Avenue — Toledo 12, Ohio

THE BOTTOMS are the turf and stubble general purpose type and do good work in plowing either stubble ground or sod. These mouldboards are especially designed for use in a wide variety of plowing jobs, at various plowing speeds. Also available with the Forgy Patented Bottoms.

THE SHARES AND MOULDBOARDS are made of the best soft center steel, carefully tempered and polished; an extra piece of hard steel is welded on the shin of the mouldboard and the point of the share; this adds greatly to the length of life of both the mouldboard and share. The heavy steel frogs that are well braced give rigidity to the plow bottoms.

THE POWER LIFT is simple in construction. Half a turn of the wheel raises or lowers the plow, The clutch roller engages the clutch box only when the plow is raised or lowered; at all other times the land wheel turns free on the axle.

THE COULTER BEARINGS are chilled to insure long wear. The hub bolt screws into the coulter yoke, and the nut on the bolt acts as a lock nut; any slight wear that may develop can be taken up by tightening this bolt. Each coulter bearing is fitted with pressure oilers.

THE REAR WHEEL is pan shaped and does not gather trash. It is adjustable and lessens the draft by removing the pressure on the landside. This wheel raises off the ground, with the bottoms so the plow can be backed the same as a two wheel trailer.

SPRING TRIP RELEASE, this hitch protects the plow and tractor by releasing the plow when the plow strikes an obstruction. The lap ring supplied fits the draw bar on practically all make tractors.

SPECIFICATIONS

(Subject to Change)

SIZE: 12-14 inch general purpose, turf and stubble. 14 inch Forgy base.

BOTTOM: General purpose, turf and stubble, mouldboard punched for extension. Forgy Plow Bottom.

BEAM: Heavy "I" beam stock, high carbon steel, well braced, 22 inch clearance under beam.

AXLES: Double axle construction, 1½ inch diameter, high carbon steel.

WHEELS: Drop center rim for 6:00 x 16" Rubber Tires(tires not included as regular equipment). Steel wheels 28", 3½" tires punched for lug bolts. Rear wheel 16" pressed steel, pan shaped, rigid construction, raises with the bottoms. Removable boxes in all wheels.

CLUTCH: Dust-proof, operated by trip rope from seat of tractor.

When ordering specify size and type of bases

ROLLING COULTERS: Blades 15 inch, standards 1¼", chilled bearings, adjustable to take up wear.

JOINTERS: Combination can be supplied as an extra.

HITCH: Adjustable with side-hill landing lever and spring trip release as regular equipment.

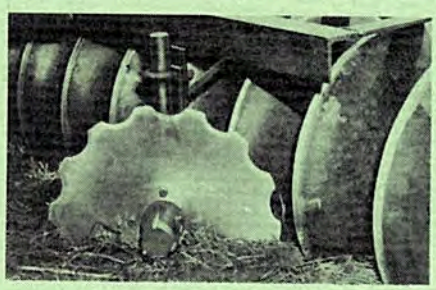
LEVERS: Adjustable in length, 16 inch adjustment in 4" settings.

OILING: Wheels, coulter and bearing equipped with zirk fittings for pressure oiling.

ADDITIONAL EQUIPMENT Combination jointers for coulters; mouldboard extensions; 6:00 x 16" rubber tires and tubes; long rear landside with heavy cast heel in place of rear wheel.

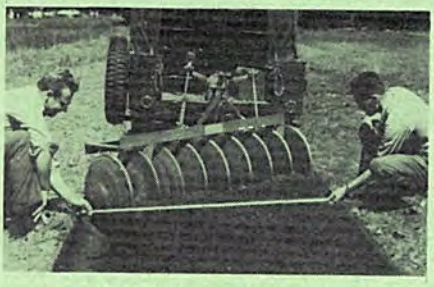
SHIPPING WEIGHT: 12" and 14", 660 pounds.

THE NEWGREN COMPANY
730 Phillips Ave. Toledo 12, Ohio



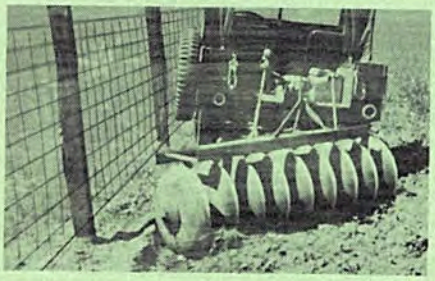
Positive Depth Control

Operating on a three point hydraulic system, the "9" gives you positive depth control from 1 to 6 inches.



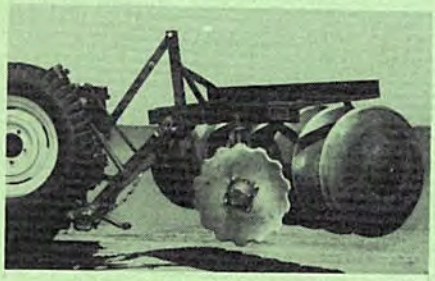
Cultivates More Land

The "9" cuts a five foot swath — a lot of plowing — and does a better job. Plows up to 20 acres in 10 hours.



For Hard-to-Get-at Places

You put more land into cultivation with the "9" — you can plow to within 4 inches of obstructions.



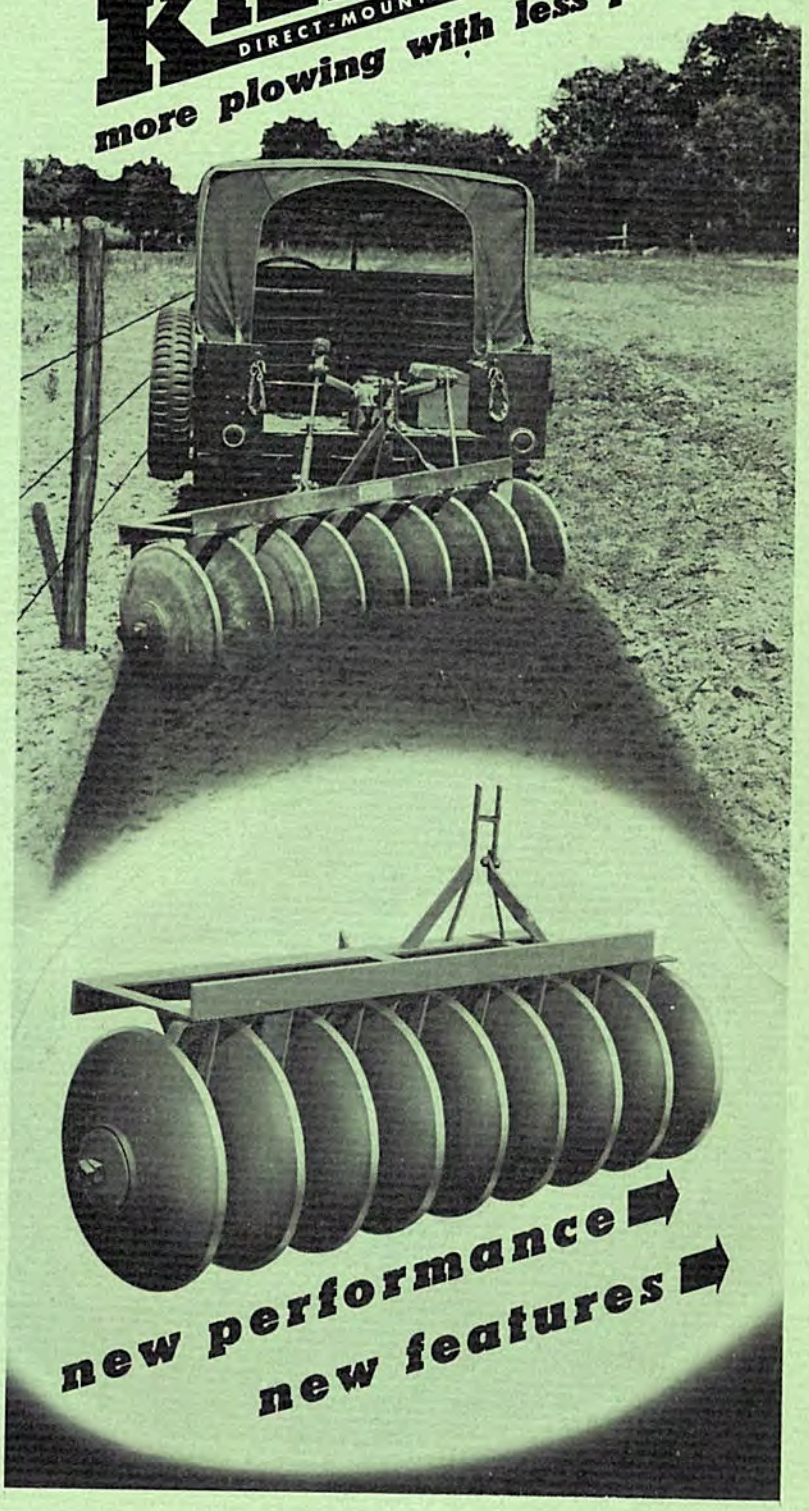
Good Road Clearance

The "9" is completely carried by the 'Jeep' to eliminate wheels. It gives you a 10 inch road clearance.

For the Jeep . . . KRAUSE "9"

DIRECT-MOUNTED PLOW

more plowing with less power



KRAUSE PLOW CORPORATION, HUTCHINSON, KANSAS

The pioneer one-way builder offers, you the handy

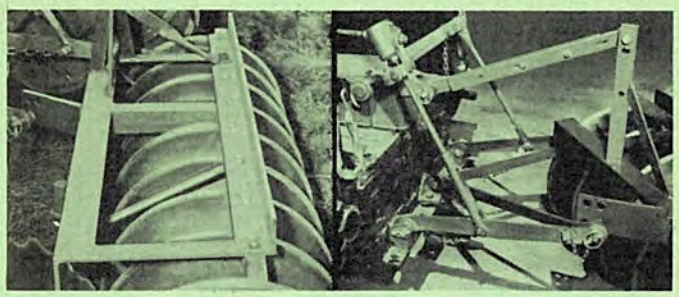
KRAUSE "9"
DIRECT-MOUNTED PLOW

. . . designed to operate on the 3 point hydraulic hitch of the Willys-Overland Jeep

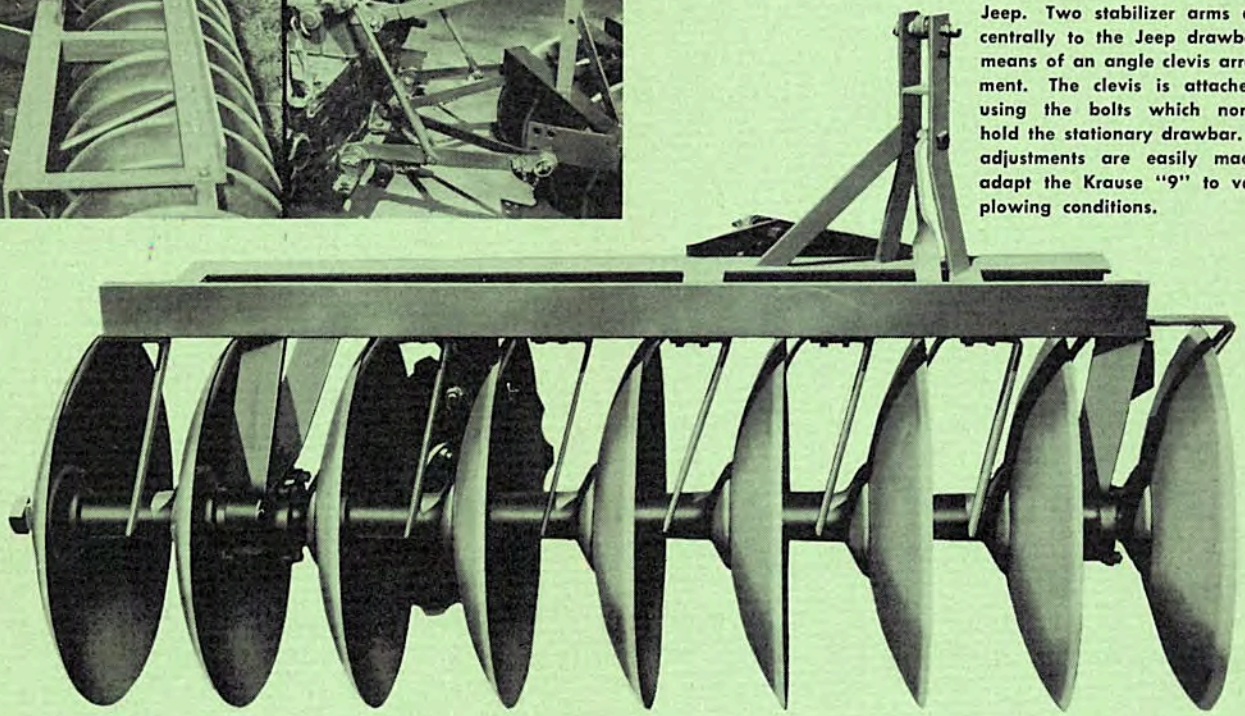
Here's a small plow that does a man-sized job. Cutting a 5 foot swath, you can plow up to 20 acres a day with the Krause "9." You can actually gain acreage by easily getting into corners and other out-of-the-way places, putting them back into cultivation. Yes, the Krause "9" is the answer to a lot of plowing problems.

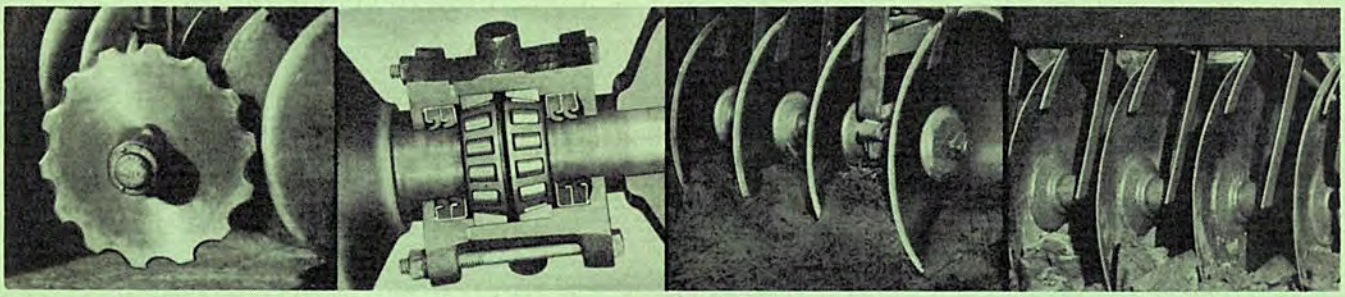
The "9" has a sturdy welded frame of 3 x 3 angle members cross braced to withstand all loads imposed on a one-way.

The "9" attaches directly and easily to the 3 point hydraulic hitch of the Jeep. Gives positive depth control.



The Krause "9" direct mounted plow attaches easily and quickly to the Monroe lift on the Willys-Jeep. Two stabilizer arms attach centrally to the Jeep drawbar by means of an angle clevis arrangement. The clevis is attached by using the bolts which normally hold the stationary drawbar. Hitch adjustments are easily made to adapt the Krause "9" to various plowing conditions.





The 18 inch coulter blade, easily adjusted, absorbs all side draft — penetrates heavy trash and weeds without clogging.

Large heavy duty dustproof Timken roller bearings are used at each end of the disc cylinder to give you lighter draft.

9 big, 22 inch discs with 8 inch spacings do a man-sized job. Hard-faced, self-sharpening discs at additional cost.

Plow through the thickest trash, the heaviest ground . . . trash guards and scraper keep the Krause "9" discs clean.

KRAUSE PLOW CORPORATION, HUTCHINSON, KANSAS

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

Save TIME—MONEY—

USE THE RICE-MC GRAW "PLOW-FITTER"

WILL FIT ONE OR TWO-BOTTOM PLOWS EITHER LIFT-TYPE OR PULL-TYPE

The PLOW-FITTER is designed to prepare a seed bed, while plowing, on a single trip over the field. It actually cuts and covers crop, litter and manure into the soil. This gives a seed bed in one-third the normal time. The soil is cut up, broken and distributed as it is plowed, so that it will retain the moisture and encourage early decay and prevent soil erosion. Better drainage is obtained. Because the PLOW-FITTER fits and breaks up the ground right down to the bottom of the furrow, the ground is aerated and the nitrogen and oxygen reach to the very roots of the crop. Your ground is softer after using the PLOW-FITTER because the disc and harrow catch the dirt from the mould board and it is cut and divided instead of being turned over in a solid furrow. With the old method the discs only fit the top three or four inches, leaving the bottom half of the furrow solid and untouched. The PLOW-FITTER fits the entire depth of the furrow. The PLOW-FITTER is easily attached to the "Jeep" plow and hydraulic system. It attaches with two U-bolts that are clamped to the angles or channels of the plow. The PLOW-FITTER LIFTS WITH THE PLOW and has a hinge which allows the discs to roll over an obstruction, such as a rock, without bringing the plows out of the ground. The lift also allows the PLOW-FITTER to be transported from one field to another, or around a corner, without the necessity of unhitching the equipment from the plow or 'Jeep'. The disc section can be adjusted to pitch or angle, thus making it possible to change the direction of the blades as desired for different type soil.

PATENTS ALLOWED AND PENDING

RICE-McGRAW COMPANY
2900 EUCLID AVE., CLEVELAND, OHIO

SIMPLE, STURDY CONSTRUCTION

The harrow section is adjustable downwardly, so that it can be dropped further into the ground if necessary. The PLOW-FITTER does not have to be held into the ground as is usually the custom with other type discs and harrows. It can be backed up when lifted which helps in getting close to tree stumps or corners in a fenced area. Many farmers keep the PLOW-FITTER cross bar attached permanently to the plow, unlinking the A frame and disc section by removing the hinge pins from the cross bar. There is no noticeable additional pull or drag on the 'Jeep' when the PLOW-FITTER is attached to either the single or double bottom plow. The PLOW-FITTER is designed so that it is self-cleaning.

SPECIFICATIONS

SINGLE BOTTOM PLOW-FITTER

NET SHIPPING WEIGHT (not crated): 151 lbs.
OVERALL LENGTH: 87″
WIDTH OF DISC SECTION: 21″
WIDTH OF HARROW SECTION: 31″
NUMBER OF BLADES: 4
SIZE OF BLADES: 16″
BLADES ARE FLAME HARDENED
LENGTH OF FORGED TOOTH SPIKES: 7″
COLOR: Flambo Red and Chassis Black.

TWO BOTTOM PLOW-FITTER

NET SHIPPING WEIGHT (not crated): 181 lbs.
OVERALL LENGTH: 87″
WIDTH OF DISC SECTION: 34⅛″
WIDTH OF HARROW SECTION: 49″
NUMBER OF BLADES: 6
SIZE OF BLADES: 16″
BLADES ARE FLAME HARDENED
LENGTH OF FORGED TOOTH SPIKES: 7″
COLOR: Flambo Red and Chassis Black.

The PLOW-FITTER is of welded construction. Shipped knocked down with assembly instructions.

RICE-McGRAW COMPANY
2900 EUCLID AVE., CLEVELAND, OHIO

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

NEWGREN LIFT-TYPE POST HOLE DIGGER

A POST HOLE A MINUTE!

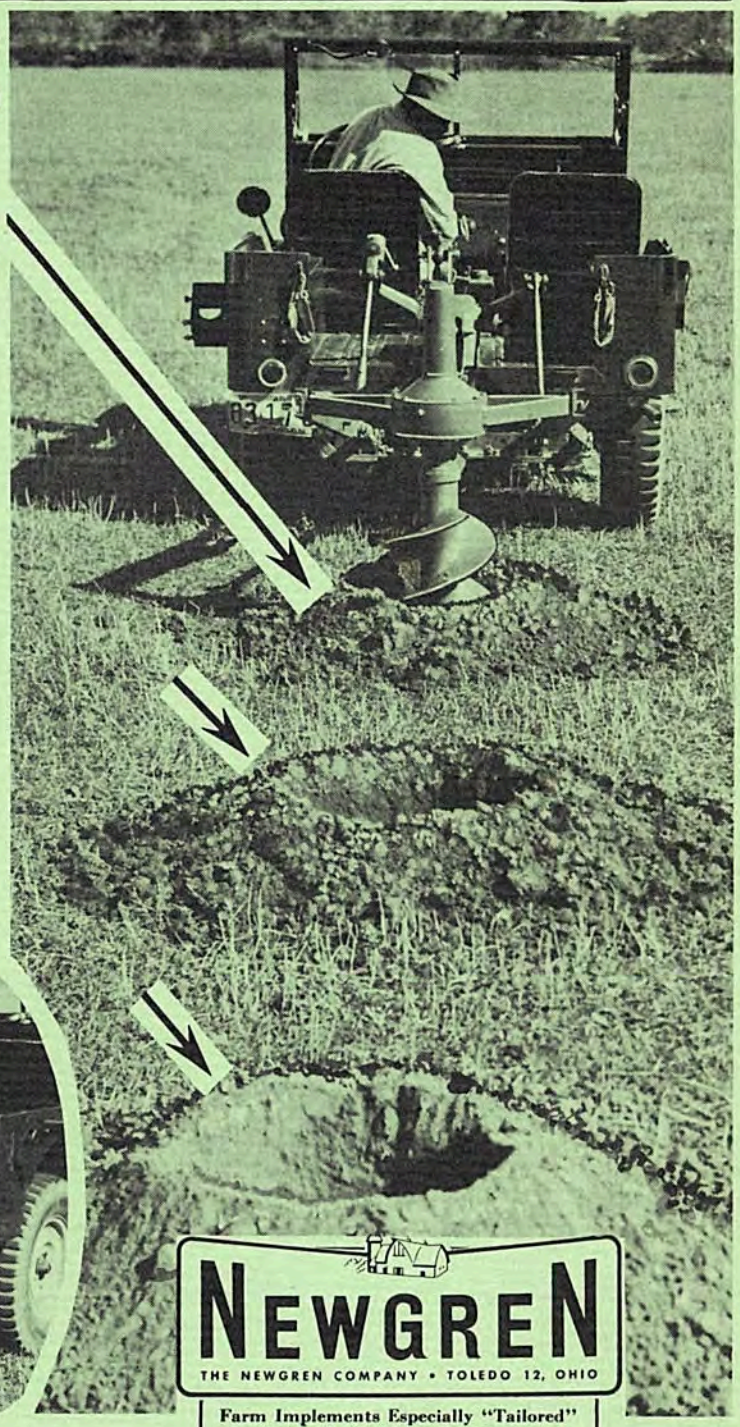
- HYDRAULIC LIFT ASSISTED
- REVERSES AS WELL AS DIGS
- QUICK LIFT ATTACHMENT
- TREE SETTERS AVAILABLE

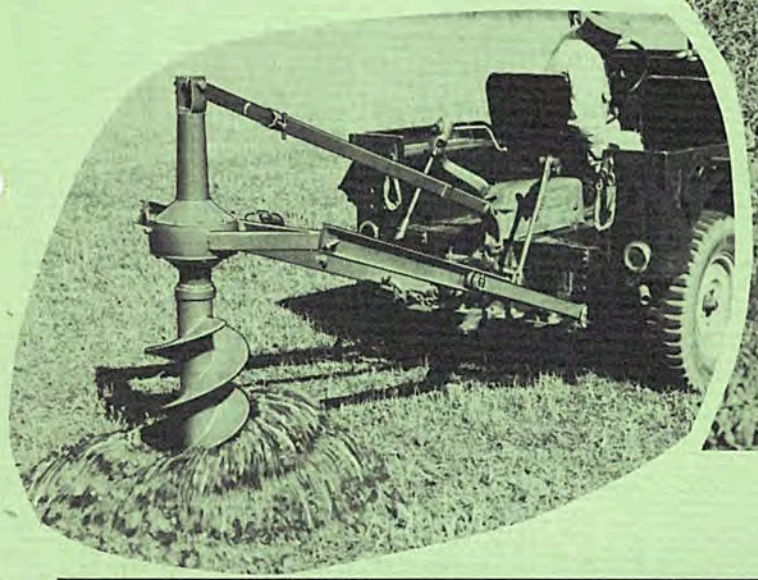
A post hole a minute is a conservative estimate with this Newgren porduct. Operation, control, penetration and freeing of the auger are so easy that some farmers report even faster results. The post-hole digger attaches to the Jeep power take-off and the Monroe Hydraulic Lift. Down pressure of the lift, adjustable up to 500 lbs., aids in digging. The auger may be reversed when the hole is dug—there is no clogging or sticking in the ground. Angle digging may be made through adjustments forward and backward on the digger and from side to side with the tilt adjustment of the lift. There is approximately 15 degrees pendulum action of the auger in any direction. Holes may be dug in any type soil, including shale and sandstone.

12-inch auger standard equipment. Other auger sizes available on special order.

18-inch tree hole digger standard equipment when tree hole digger is desired. Other sizes on special order.

Standard auger length, 32 inches. 40-inch length also available.





NEWGREN

THE NEWGREN COMPANY • TOLEDO 12, OHIO

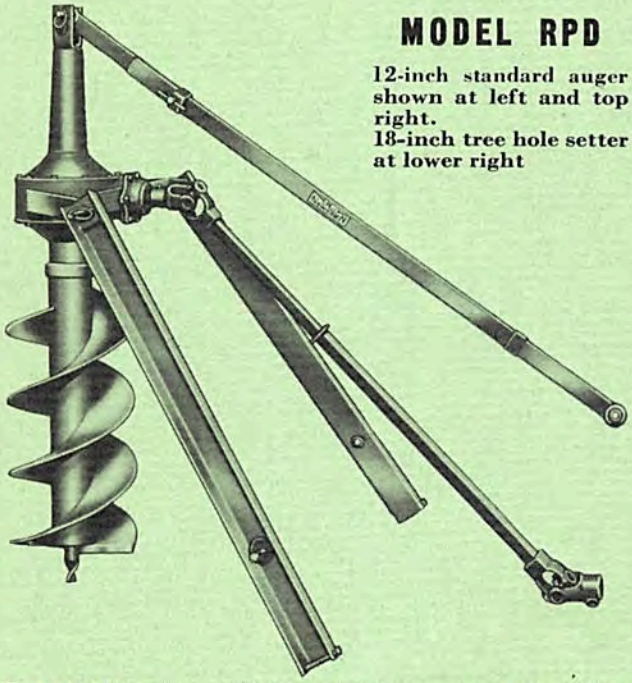
Farm Implements Especially "Tailored" for Use with the Jeep Equipped with the Monroe Hydraulic Lift

•

Newgren implements also may be used with tractors equipped with three-point hitch hydraulic systems

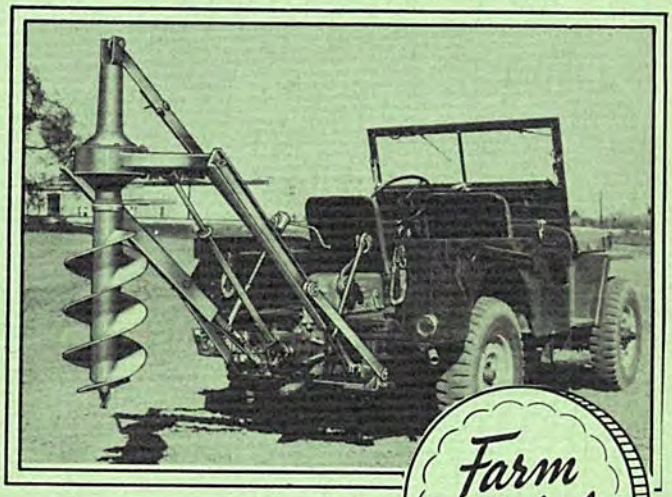
THE NEWGREN COMPANY • BUTLER, PA.

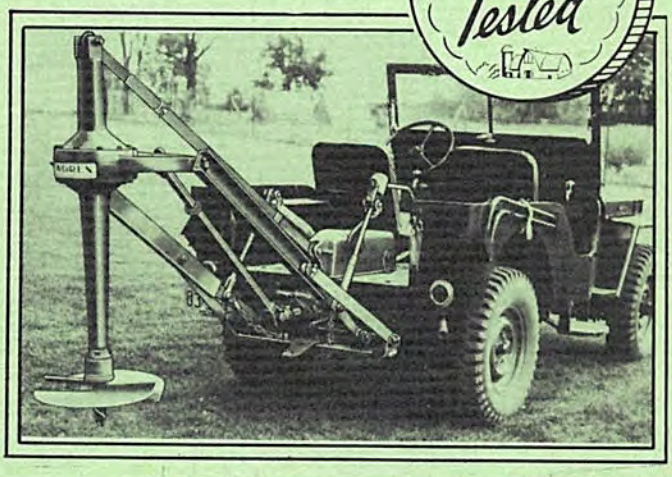
POST HOLES AT YOUR FINGERTIPS



MODEL RPD

12-inch standard auger shown at left and top right.
18-inch tree hole setter at lower right





Farm Tested

FEATURES AND SPECIFICATIONS

Three point mounting to Monroe Hydraulic Lift with strong angle steel arms at side and telescoping steel bar at top. Telescoping drive shaft to power take-off. Rugged universal joints deliver smooth power. Easy angle and locking adjustment holds digger in desired position. Safety shear pin avoids overloading digger. Cut steel bevel gears, running in oil bath, deliver power to digger shaft. Steel housed shaft with double bearings, all sealed against dirt. Steel plated blade cuts through stubborn growth and spins dirt upward. "Mine type" augers with replaceable tips. Timken roller bearings and Blood Bros. universal joints with Zerk fittings. Total height of post hole digger—52 inches. Shipping weight, 160 pounds.

When ordering, specify size or sizes of augers and or tree hole diggers desired (if other than standard). Use of stabilizer bars on Monroe lift recommended for precision operation.

FOR ROAD MAINTENANCE AND CONSTRUCTION

An outstanding equipment "package" for highway departments and contractors consists of the post-hole digger, scoop, road grader, earth mover, and leveler blade, all of which can be operated by one man with one Jeep equipped with the Monroe Hydraulic Lift. These versatile implements can be attached or detached without difficulty or loss of time, and the operation is easy with the fingertip controls of the Monroe lift.

The Newgren Company reserves the right to change specifications and design without incurring obligation.

THE NEWGREN COMPANY

Engineers and Distributors of Farm-Tested Implements

BUTLER, PENNSYLVANIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

A FAST SELLING "POWER POST-HOLE DIGGER"

The "Easy-Way" Powered by a Willys Jeep

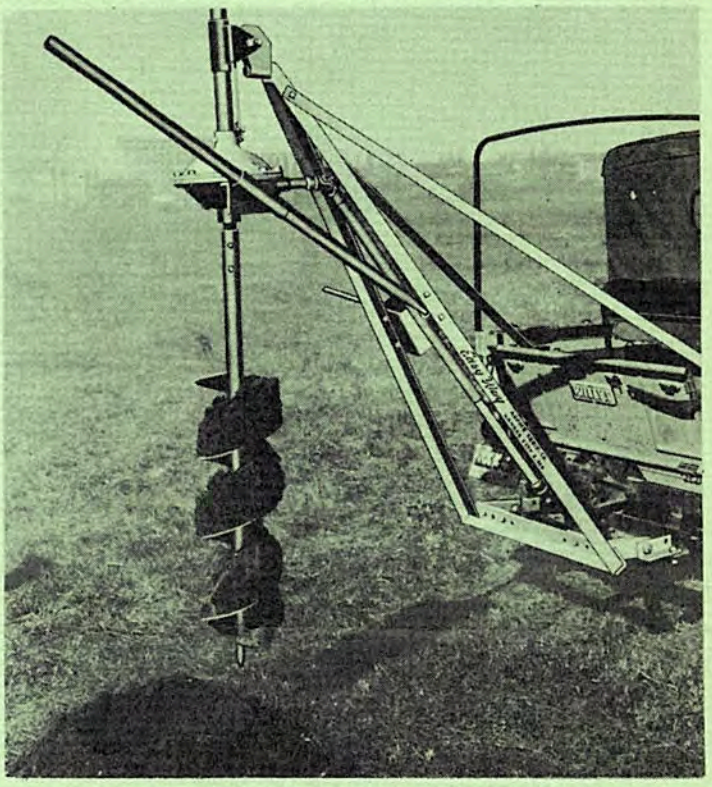
DIGS 40 to 60 POST-HOLES PER HOUR
6" or 9" WIDE, 32" to 42" DEEP!

EASILY ATTACHED OR REMOVED

DIGS AT ANGLES UP TO 35 DEGREES

The famous "Universal Jeep" provides another farm use with the simple installation of the "EASY-WAY" Power Post-Hole Digger. Easily attached to the power take-off, requiring only a few minutes and no special tools, the "EASY-WAY" can dig up to 500 post-holes a day.

Strong, sturdy, this all-metal power post-hole digger embodies every new feature to make it the finest available. Comparison of its low cost will convince any Jeep-owner that it's ONE POWER TOOL that he CAN afford and CAN NOT afford to be without. The "EASY-WAY" Post-Hole Digger solves the toughest labor problem on any farm or ranch.



Tested and Proved in 47 States, Year Round, All Types of Soil. Thousands in Daily Use Throughout the U.S.A. and in Foreign Countries.

BIG DEMAND MAKES the "EASY-WAY" A FAST SELLER

MAIL YOUR ORDER DIRECT TO FACTORY Buy thru Cutler Sales

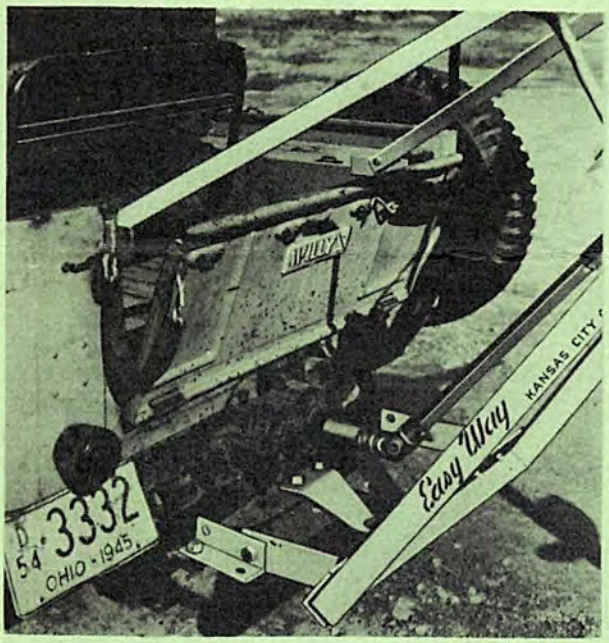
TERMS: F.O.B. North Kansas City, Mo. Advertising circulars and newspaper mats available. Nationally advertised in Country Gentleman, Farm Journal, Successful Farming and other national publications.

Manufactured by

STANDARD STEEL WORKS
NORTH KANSAS CITY, MISSOURI

KEEGAN

The "Easy-Way" IS SOLIDLY BUILT— SOUNDLY ENGINEERED!



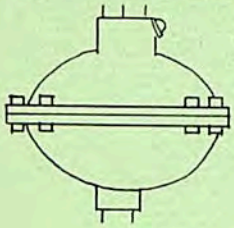
WILL LAST A LIFETIME—

A Low Cost Way to Build and Repair Fences

Wherever you can drive a JEEP, you can sink a clean, deep hole with the "EASY-WAY" Power Post-Hole Digger. You can set anchor posts or dig vertical holes regardless of the position of the Jeep—or dig at any angle up to 35 degrees.

A powerful TORQUE BAR prevents twisting and binding. The BAYONET TYPE REMOVABLE HEAT TREATED BIT gives fast penetration and easy lifting from the hole. Nationally known UNIVERSAL JOINTS give greater digging strength and power to the "EASY-WAY". GEARS are sealed in oil. In every way, this power post-hole digger gives top performance at practically no replacement or repair cost.

RIDES WITH JEEP—HANGING VERTICALLY LIKE A "PLUMB-BOB"

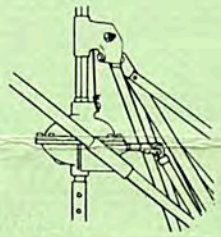


GEARS SEALED IN OIL

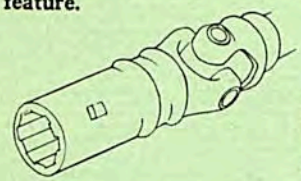
You have permanent gear protection—no need to worry about wear and tear on these MEHANITE GEARS.

POWERFUL TORQUE BAR

Keeps a steady "grip" on entire machine, eliminating wobbling, twisting, and binds. Greater power is achieved by this added feature.



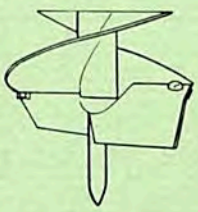
UNIVERSAL JOINT For Faster Digging



Nationally known brand, with splined fittings on power take-off, assure tremendous digging strength even in semi-frozen or hard packed ground.

Heat Treated BAYONET BIT

REMOVABLE — the "Easy-Way" bayonet bit can be sharpened with least trouble. 6" or 9" bits available. Saves digging time—never fails.



SPECIFICATIONS

Self-aligning in all directions like a plumb-bob—AUGER digs vertical hole regardless of tractor position.

ALL-STEEL construction throughout.

All-cast GEAR CASE HOUSING.

Special long life, MEHANITE GEARS. Run in oil.

TORQUE BAR prevents bind — Speeds digging in all types of soil.

Nationally known UNIVERSAL JOINTS now standard equipment.

Self-lubricating OIL-LITE BEARINGS throughout—need no greasing or oiling.

Heat-treated, removable Bayonet type AUGER BIT of special design adapted to widest variety of soil conditions.

SHEAR PIN on Auger Shaft prevents damage to Gears in emergency.

2"x2"x¼" SIDE FRAME ANGLES.

3"x2"x⅜" ANGLE IRON HEADER.

1200-pound breaking strength WINCH LINE.

Quickly and simply attached or removed.

Manufactured by

STANDARD STEEL WORKS

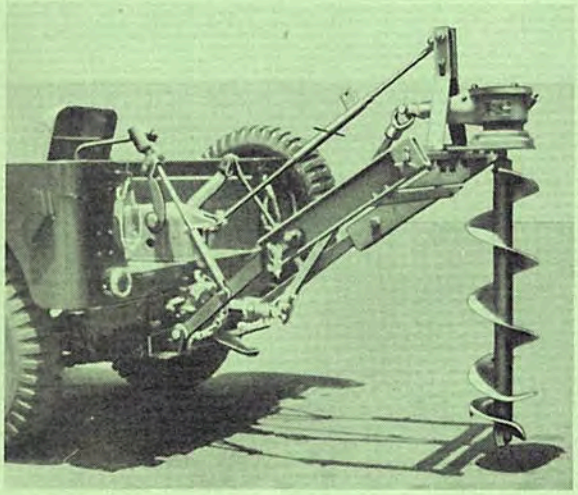
NORTH KANSAS CITY, MISSOURI

KEEGAN

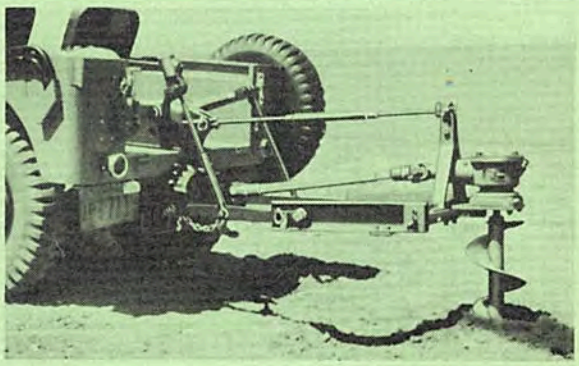
CHAMPION POST HOLE DIGGER

MODEL B

Now Available for the Universal 'Jeep' When Equipped with Monroe Hydraulic Lift Plus 1⅜" Splined Power Take-Off Shaft



Adjust auger point to digging position, sit in seat and start digging holes. One man operates Digger.



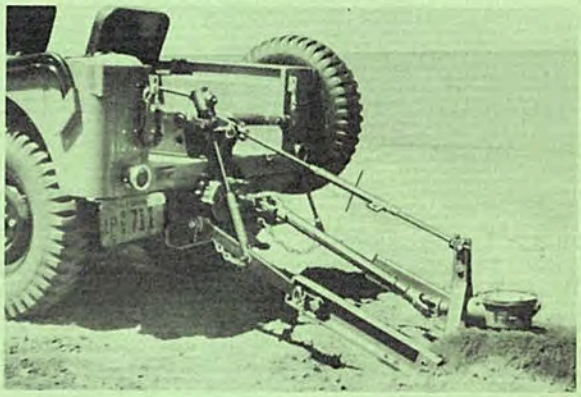
CHAMPION is precision built by Digger specialists with fifteen years experience. Carefully designed and patented. Requires only a few minutes to install. Takes minimum space. No high booms to tangle with wires and trees.

Other uses besides fencing are:

Fertilizing down to roots of orange and other fruit trees.

Drainage control, foundations, tree and nursery planting, concrete footings, sign posts and guard rail holes, blast holes for clearing stumps, celery trenches, test holes and many more. Extra income when doing work for others.

Farmers, ranch owners, nurserymen, contractors and many others, can dig holes in wide area of country, state or nation with the Mobile Jeep.



Champion digs holes 9" in diameter, 36" deep, and fast. Weight, approximately 190 lbs. Champion is probably the fastest post hole digging machine of its kind, requiring only from 7 to 10 seconds to dig a hole in average soil conditions.

For Literature, Prices and Delivery, Write

SOUTHWEST EQUIPMENT COMPANY

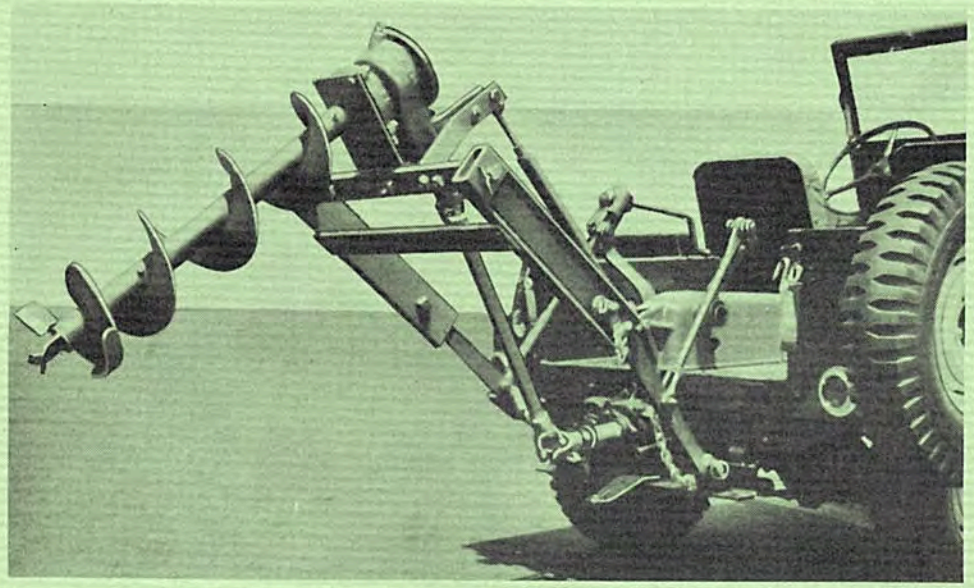
BOX 4911, FLORENCE STATION, LOS ANGELES 1, CALIFORNIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

CHAMPION *Advantages are!*

Lower first cost. • Light weight—lower freight. • Easier and quicker to install. • Faster digging. • Faster one shot hole cleaning. • Finest quality gears, shafts and bearings. All add up to saving of time and money.

Only the CHAMPION DIGGER has auger with two speed flight (Pat. Pending). Lower flight has gradual easy lift of heavy chilled plow steel. Takes less effort, less power. Then, once earth is broken, upper flight elevates it at triple speed.
Thrust plate prevents caving. Result—clean hole first time down.



SPECIFICATIONS

Comes equipped with 9" auger, digs 36" deep. Also available 6" and 12" augers.
Cutter blades are hard faced for longer life. Special new fast penetrating centering point, also hard faced.
Attaches to JEEP (with Monroe Lift and 1⅜ Power Take-off shaft) in few minutes. Drives through wide angle joints and telescoping shaft.
Improved transmission has 3 oil seals to protect Timken Bearings.
Fill gear case with Texaco Marfak #1 or S.A.E. 140 oil. A shear pin is provided in auger.
Pinion Gear and input shaft one piece nickel molybdenum steel drop forged.
Bevel Gear drop forging of same material.
Spindle or output shaft is splined into gear and is chrome molybdenum steel.
Auger has two speed flight (Pat. Pending). Replaceable cutter blades. Special thrust plate and other features for non-caving, non-clogging. Cleans hole in first time down in most soils. Time and money saver. Shear pin and set screws are added features.
The CHAMPION is a proven machine. Thousands have been sold for use in the U. S. and many have been exported to foreign countries.

For Literature, Prices and Delivery, Write

SOUTHWEST EQUIPMENT COMPANY

BOX 4911, FLORENCE STATION, LOS ANGELES 1, CALIFORNIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

"SPEEDIGGER" POWER POST HOLE DIGGER

Approved for POSTWAR JEEPS

Formerly Piper Speedigger

More "SPEEDIGGERS" in use for more years than any other

"SPEEDIGGER" in transport position, showing tilting range.

Holes up to 54 inches deep in 15 seconds!

FASTER - EASIER to OPERATE

- A complete and clean hole of any size up to 20" diameter, going down only once.
- Drills straight down on any grade or hillside.
- Safe. Operator stands on Jeep — away from all moving parts — out of the dirt.
- Easy to operate. No complicated mechanism to adjust — no complex levers.
- Heavy duty. Built to withstand hard use. Quick and simple to attach.
- Pays for itself in 3 or 4 days' use . . . up to 600 post holes in 8-hour day.

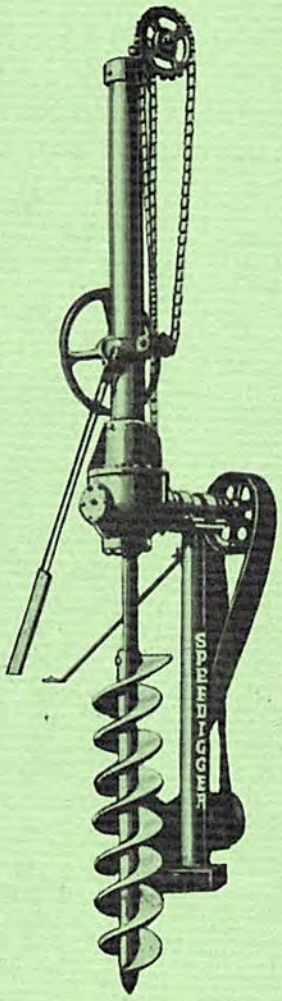
MANUFACTURED BY

FEDERAL MACHINE AND WELDER CO.

WARREN, OHIO

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS - OVERLAND EXPORT Corp., Toledo 1, Ohio.

"SPEEDIGGER"



Auger Sizes Available — 4, 6, 9, 10, 12, 14, 16, 18, and 20 inches. 9-inch is standard equipment.
Extension augers in 3½ ft. lengths can be added, obtaining satisfactory depths up to 20 feet. Ideal for drilling shallow wells, subsoil testing, shallow mine testing, foundation footings, etc.

Does More Work — Increases Profits

The "Speedigger" will pay for itself not only in time and labor saved on your own jobs, but also on contract digging for others.

Gives Years of Service

Built of the finest materials . . . made to last a lifetime with proper care. Timken roller bearings are used throughout. Precision gears are sealed in oil. Shafts, augers and gears are made of special high-strength steel.

Many Sizes — Any Depth to 20 ft.

"SPEEDIGGER" digs holes up to 54 inches deep . . . or deeper with the use of additional auger lengths. Shipped F.O.B. Warren, Ohio, complete except for 3″ belting. The 9″ diameter auger is regular equipment. Other sizes of augers from 4″ to 20″ diameter are supplied as additional equipment. All augers have removable cutting edges — easy to replace or sharpen. All augers drill holes ¾ inch larger than auger diameter size to eliminate drag on sides of the hole. Augers are equipped with a flip arm that moves the dirt back from the edge of the hole.
One man control is available as extra equipment.

Complete Instructions

Complete instructions on assembling, mounting, operating and lubrication are shipped with each "SPEEDIGGER." A complete Parts List Catalog is also included.

Tested and Proved

The "SPEEDIGGER" is a tested, proved product . . . backed by more years of use than any other power-driven post hole digger. Some of the earliest "SPEEDIGGERS" are still in operation today — your assurance of satisfactory service.

Other Uses

REPLACING POST

NURSERY PLANTING

HIGHWAY FENCING

TELEPHONE POLES

OPENING GRAVES

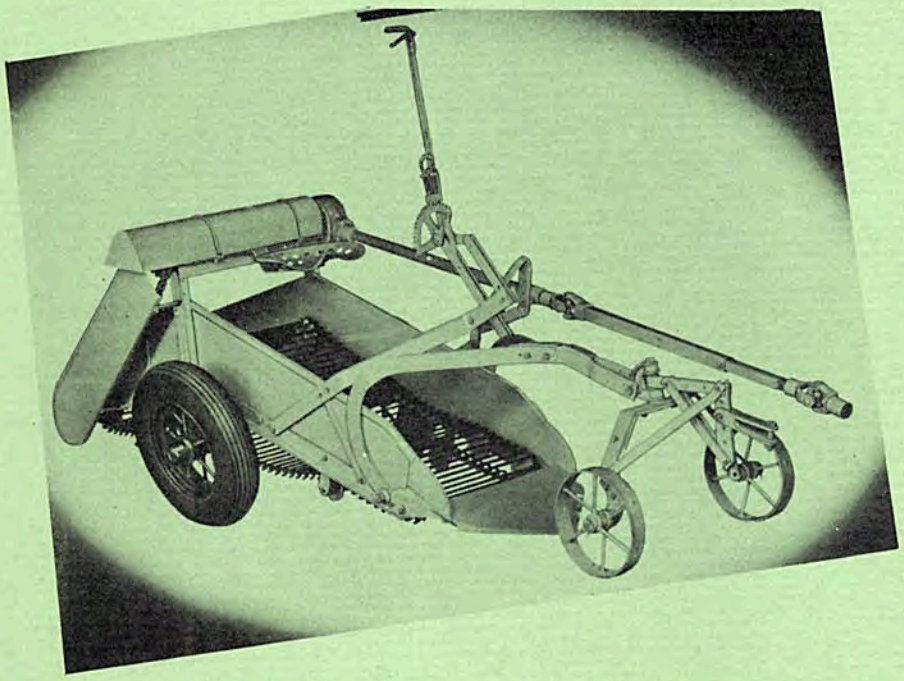
DYNAMITING STUMPS

"SPEEDIGGER" attaches to 87 models of wheel tractors — also trucks and Jeeps.

Patent Nos. 2250081 (U.S.) 407069 (Canada)

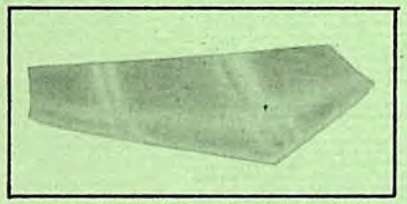
Manufactured by THE FEDERAL MACHINE & WELDER CO., WARREN, OHIO

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

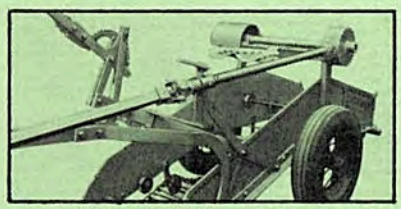


Only DOWDEN brings you Level bed and Elevator . . .

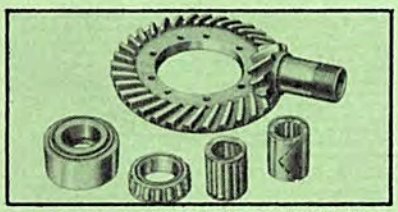
BOTH IN ONE MACHINE



SHOVELS — Special crucible steel shovels are formed to get under potatoes and raise them gently with fewer cuts and bruises.



STRAIGHT LINE DRIVE — To assure smooth even operation . . . take less power . . . gear case is placed at side of digger to provide straight line power drive.



BEARINGS—DRIVE PARTS—DOWDEN diggers are generously equipped with tough steel tapered roller . . . straight roller bearings to give long life, ease of operation.

No matter what the nature or condition of your soil is, you'll find you can dig potatoes *faster, easier* with less damage with the new DOWDEN power diggers. The reason for this is simple.

EASY CONVERSION

DOWDEN power diggers can be quickly converted to either level bed or elevator type of operation to best meet individual digging requirements.

When soil is loose and dry, set a DOWDEN in low or level bed position and you get fast, clean separation with a minimum of injury to potatoes.

When soil is moist and heavy, set a DOWDEN in conventional elevator position and you get cleaner separation unmatched by most other diggers.

ECONOMICAL OPERATION

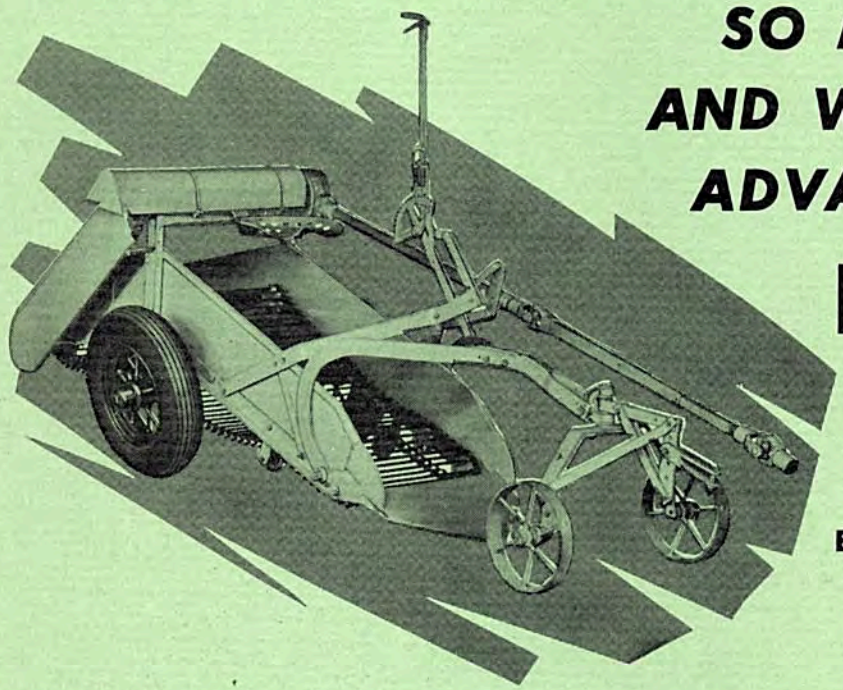
As a result of this versatility — potato growers have fewer costly delays that leave pickers idle . . . fewer losses due to quick hard freezes . . . greater efficiency, more economical and profitable operation all around.

LIGHT IN DRAFT

DOWDEN single-row potato diggers offer more value per dollar investment than any digger we know. They are built in a choice of 24 or 26-inch widths. Regular equipment includes steel rowers, reversible levers, front truck, spline connection to jeep or tractor, and up and down conveyor chain. Roller truck, two wheel front truck or direct hitch equipment is also available when desired. Rod type rowers and hydraulic lifting cylinders are available as extras on special order. Be sure to get the best when you buy. Get a DOWDEN and enjoy the extra benefits they offer.

DOWDEN MANUFACTURING CO.
PRAIRIE CITY · IOWA
SINCE 1885

WHAT OTHER POTATO DIGGER OFFERS SO MANY TIME AND WORK SAVING ADVANTAGES AS

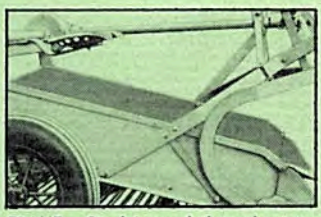


DOWDEN

LEVEL BED and ELEVATOR

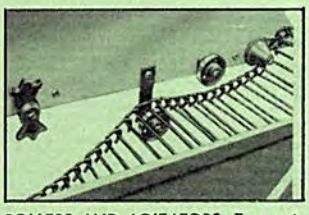
BOTH IN ONE MACHINE

DOWDEN potato diggers are designed, engineered and built to give long years of dependable service. Shown here and on preceding page are many of features which make this digger so outstanding. Study them carefully. Compare each point for point. You'll find no other potato digger offers so much in dependability and service as a DOWDEN POWER-DRIVEN POTATO DIGGER — *level bed and elevator both in one machine.*

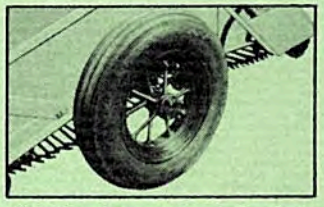


FRAME — Steel is used throughout to give strength and long life. Inside surfaces are smooth to prevent injury to potatoes.

CONVEYOR CHAIN — To meet varying conditions of soil, conveyor chain can be quickly changed to level bed or elevator operation.

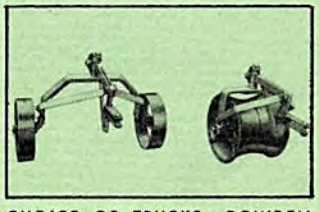


ROLLERS AND AGITATORS—Two sets of agitators, in addition to rollers, allow a range of chain agitation for all soil conditions—get potatoes cleaner.



WHEELS — Drop center steel wheels for 6.00 x 16 pneumatic tires or heavy steel wheels with 4-inch face are available on DOWDEN diggers.

EASY BLADE ACTION — Minute depth adjustment is provided by double plungers engaging ratchet on levers. Levers can be reversed for operation from tractor seat.



CHOICE OF TRUCKS — DOWDEN Diggers are available with either two wheel trucks at left or roller truck at right.

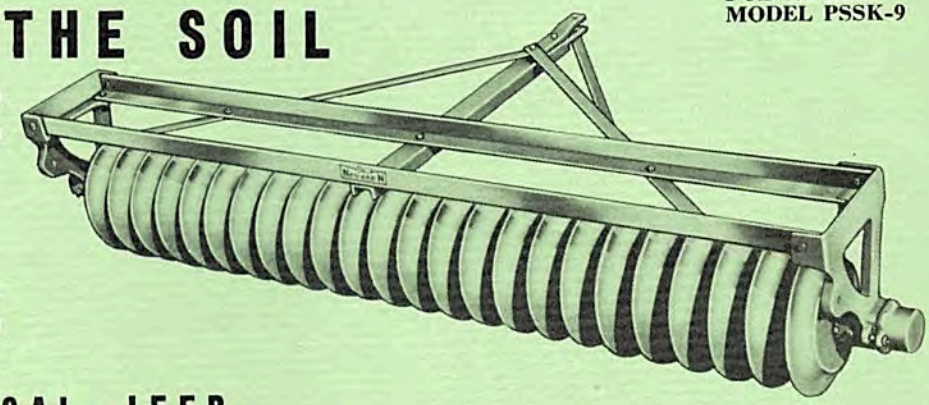
For complete information write

DOWDEN MANUFACTURING CO.
PRAIRIE CITY • IOWA
SINCE 1885

NEWGREN PULL-TYPE SOIL PULVERIZER (Single)

BREAKS UP CLODS AND FIRMS THE SOIL TO PROVIDE IDEAL SEED BEDS

SINGLE PULVERIZER MODEL PSSK-9

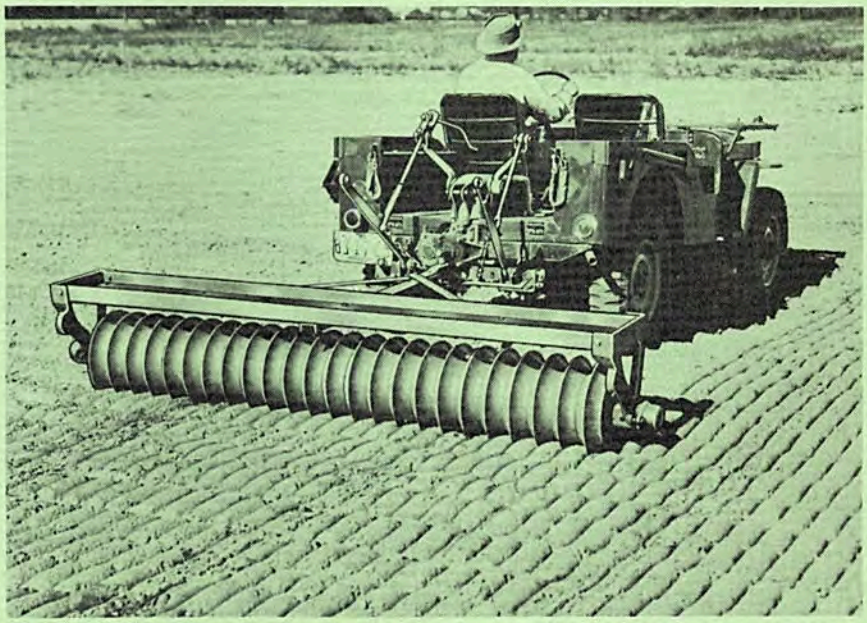


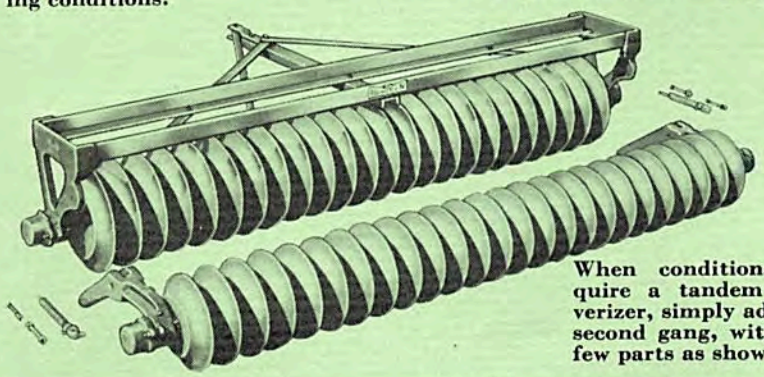
WITH THE UNIVERSAL JEEP

The Newgren Soil Pulverizer is a tool of many uses—all directly profitable to the farmer. It breaks up clods and hard soil before planting, or surface crusts after planting. It firms the soil around seeds or roots, corrugates the surface to resist wind blowing, rolls out cracks and holes to keep soil from drying out, destroys young weeds, and reestablishes surface mulch. It is a tool that makes ideal seed beds, speeds plant growth and brings bigger yields and bigger profits.

You can buy the Newgren Pulverizer with a single gang as shown on this page, or with a double gang as shown on the other side of this page. Or, you can purchase the single pulverizer, and later expand it into a tandem pulverizer by adding the additional gang when needed as illustrated below.

With the modern, sturdy construction that characterizes all Newgren implements, the pulverizer gives excellent operating results with the four-wheel-drive Jeep, and is thoroughly farm-tested under all operating conditions.





When conditions require a tandem pulverizer, simply add the second gang, with the few parts as shown.

IT'S EASY TO MAKE IT A TANDEM PULVERIZER

SINGLE PULVERIZER FACTS

Overall length, 9 ft. Rolling capacity, 8 ft. Wheel diameter, 15 in. Shaft size, 1¾ in. Well-braced frame for easy turning. Heavy duty gang bearings. One-piece wheels made of chilled plow share material. Action of soil tends to keep edges sharp.

Shipping weight, 741 lbs.

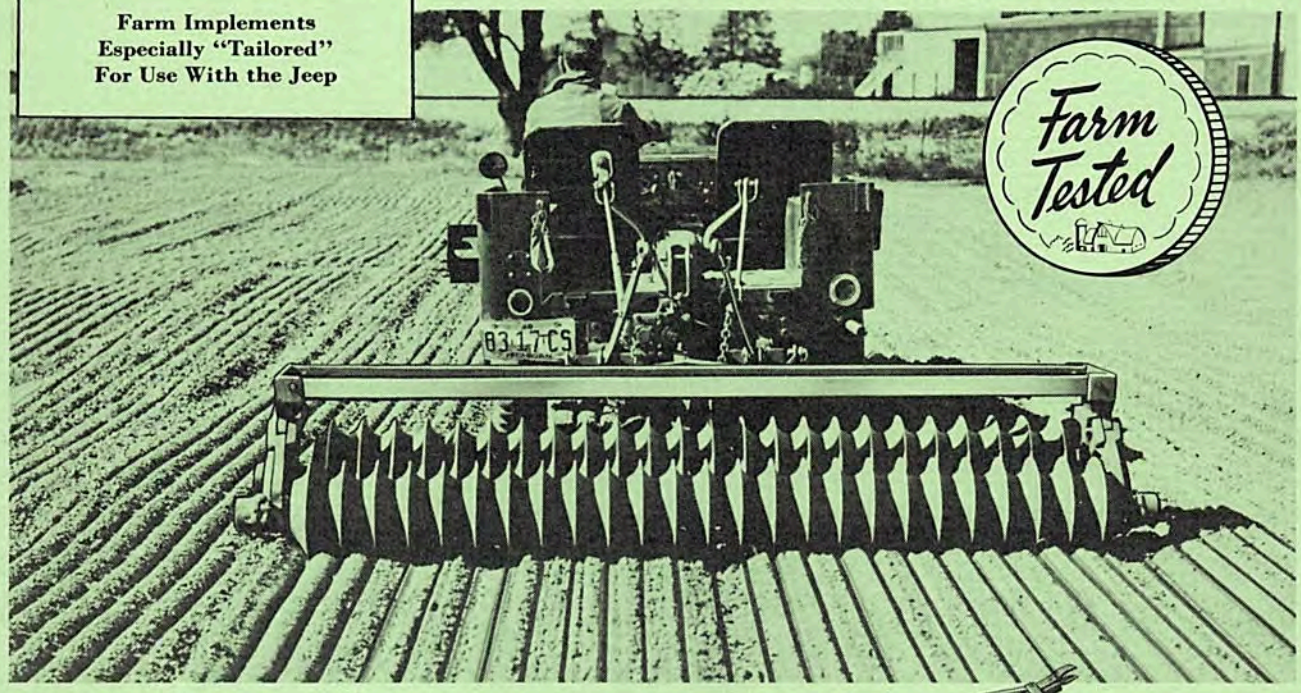
THE NEWGREN COMPANY • BUTLER, PA.

NEWGREN PULL-TYPE SOIL PULVERIZER (Tandem)

NEWGREN
THE NEWGREN COMPANY • TOLEDO 12, OHIO

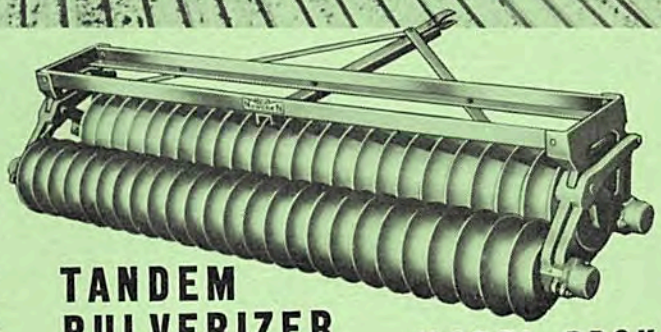
Farm Implements
Especially "Tailored"
For Use With the Jeep

STABILIZED "FLOATING" ACTION CUTS BOUNCING AND ROCKING — — GIVES BETTER PACKING AT HIGHER SPEEDS



AUTOMATICALLY ADJUSTS TO CONDITION OF SOIL

The Newgren Tandem Soil Pulverizer has a special pressure equalizer through which the gangs are automatically adjusted to the condition of the soil. Thus, there is no bouncing or rocking and the rear gang is stabilized on the ground, whether the soil is hard, soft or uneven. Weight of the pulverizer is shifted forward in hard or cloddy soil, and shifted backward when soft soil is encountered. There is no choking action, and more uniform packing at higher speeds is possible no matter what the conditions of operation.



TANDEM PULVERIZER MODEL PDSK-9

BRIEF SPECIFICATIONS

Overall length, 9 ft., 2 in.; Rolling capacity, 8 ft., 2 in.; Wheel diameters, front 15 in., rear 12 in. Automatic pressure equalizer between gangs to adjust weight to soil conditions. Shaft sizes, 1¾ in. Well-braced frame for easy turning. Heavy duty gang bearings. One-piece wheels, made of chilled plow share material. Action of soil tends to sharpen edges. Shipping weight, 1221 lbs.

THE NEWGREN COMPANY

Engineers and Distributors of Farm-Tested Implements
BUTLER, PENNSYLVANIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

NEWGREN LIFT-TYPE 6 Cu. Ft. SCOOP

(With Reversing and Leveler Blade Attachments)

TO GIVE YOU USEFULNESS . . . UNLIMITED

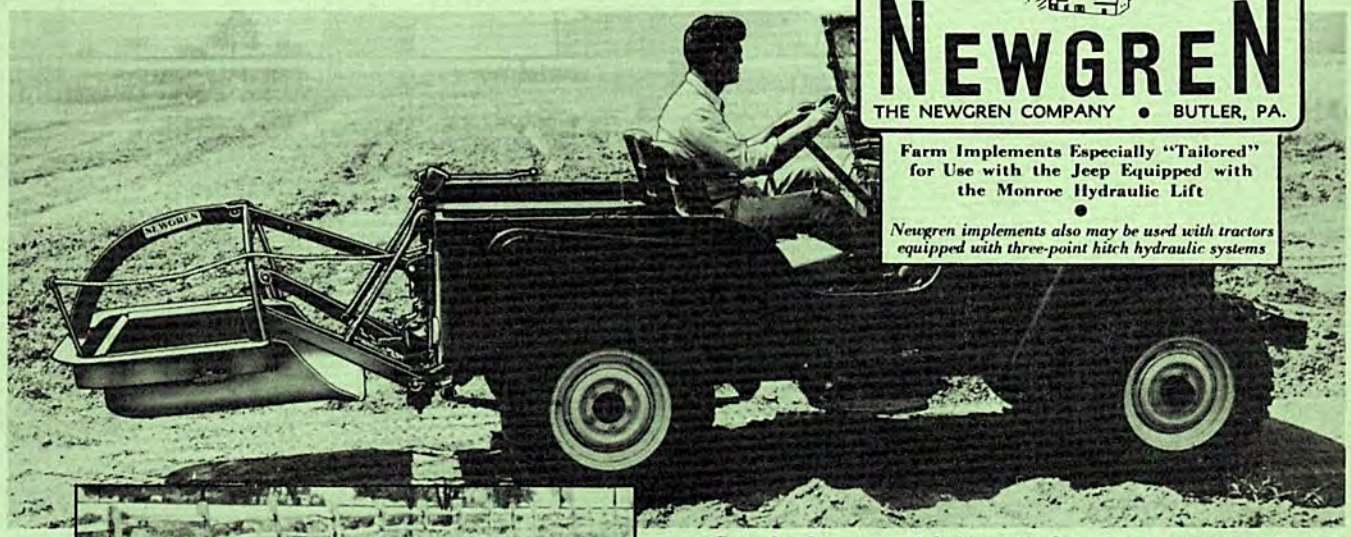
NEWGREN

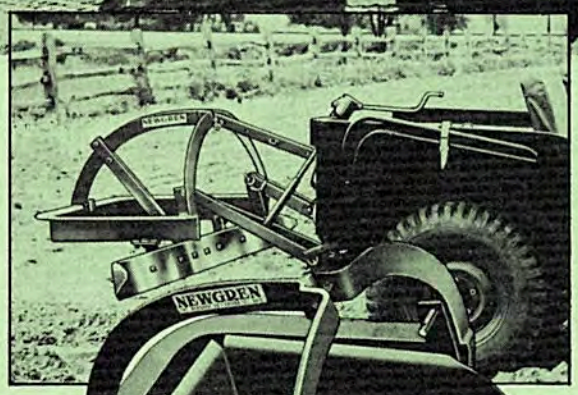
THE NEWGREN COMPANY • BUTLER, PA.

Farm Implements Especially "Tailored" for Use with the Jeep Equipped with the Monroe Hydraulic Lift

•

Newgren implements also may be used with tractors equipped with three-point hitch hydraulic systems

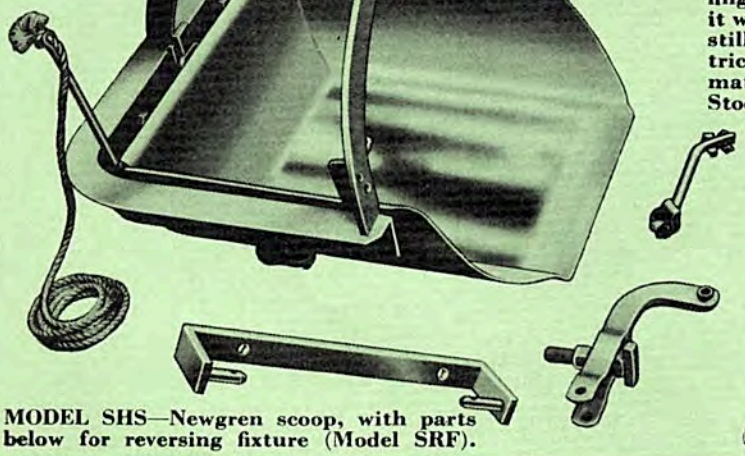




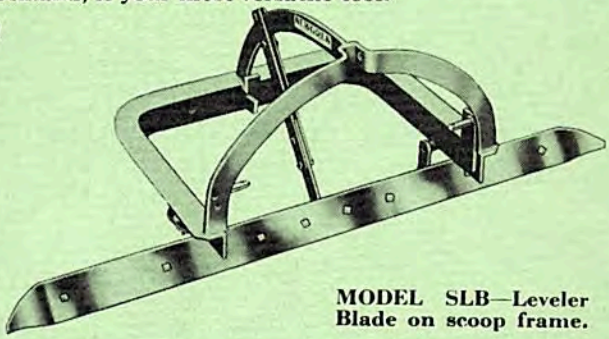
Standard scoop without attachments in transport position on Jeep equipped with Monroe Lift (above). Leveler blade, also in transport position, (left). Stabilizer bars used with lift with both tools to give precision operation.

YOUR MOST VERSATILE TOOL

Use the Newgren scoop forward or backward (with reversing fixture) for digging ditches, landscaping, terracing, leveling, filling gullies and washouts, backfilling, or levee, dam, road, basement and pond building. Use the leveler blade on the scoop frame for grading, leveling or terracing. You can attach either to the Monroe Hydraulic Lift in a minute. Raising, lowering, scooping are at your fingertips. The scoop carries 6 cubic feet of dirt, and dumps it while the Jeep is moving forward, backward or standing still. A light pull on a heavy duty release rope does the trick, then scoop returns to reloading position, automatically. Yes, this Newgren combination, built by Stockland, is your most versatile tool.



MODEL SHS—Newgren scoop, with parts below for reversing fixture (Model SRF).



MODEL SLB—Leveler Blade on scoop frame.

THE NEWGREN COMPANY • BUTLER, PA.

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

ONLY A PART OF WHAT IT WILL DO—

The Newgren Scoop in Action Without Attachments

Farm Tested

with the reversing fixture.

. . . with the leveler blade

FEATURES AND SPECIFICATIONS

Three-point attachment to Monroe Hydraulic Lift, and fingertip raising, lowering and control from lever at driver's side. Scoop cutting width, 24 inch. Depth, 1 to 6 inches. Capacity, up to 6 cubic feet. Reinforced forged cutting blade, held in place with counter-sunk rivets, and easily replaced. Heavy welded steel frame to take shocks and heavy wear and tear. Cold-formed steel scoop sides and welded steel bottom. Pitch of cutting blade controlled by top link for hard or soft dirt. Angle of cut adjusted by lift tilt control. Reversible fixture (extra) for operating scoop backwards. Scoop releases with pull rope from driver's seat.

Leveler Blade 6 feet wide. Attaches to scoop frame in 5 minutes. Heavy steel construction with side wings. Cutting edge replaceable.

Shipping Weights: Scoop, 198 lbs. Reversible fixture, 16 lbs. Leveler blade with frame, 187 lbs. Leveler blade alone, 85 lbs.

The Newgren Company reserves the right to change specifications and design without incurring obligation.

THE NEWGREN COMPANY

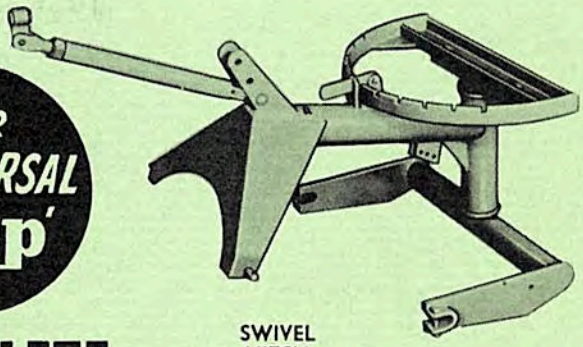
Engineers and Distributors of Farm-Tested Implements

BUTLER, PENNSYLVANIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

Heath Hitch AND COMPLETE DIRT MOVING OUTFIT

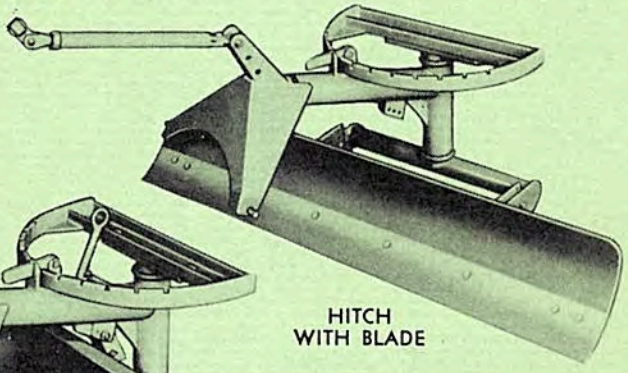
FOR UNIVERSAL 'Jeep'



SWIVEL HITCH

Hitch Swivels for Tilting and Angling

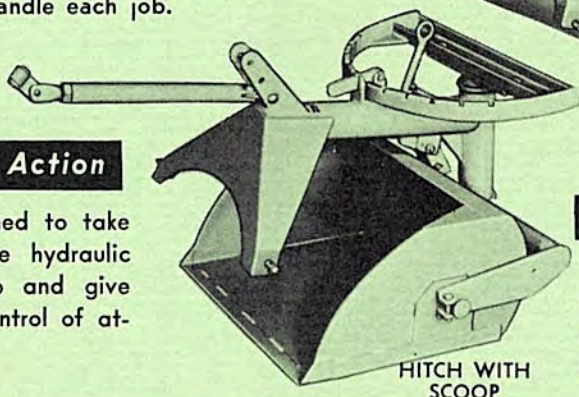
Patented swivel arrangement enables you to do many more jobs . . . the blade can be angled or tilted as desired to best handle each job.



HITCH WITH BLADE

Positive Hydraulic Action

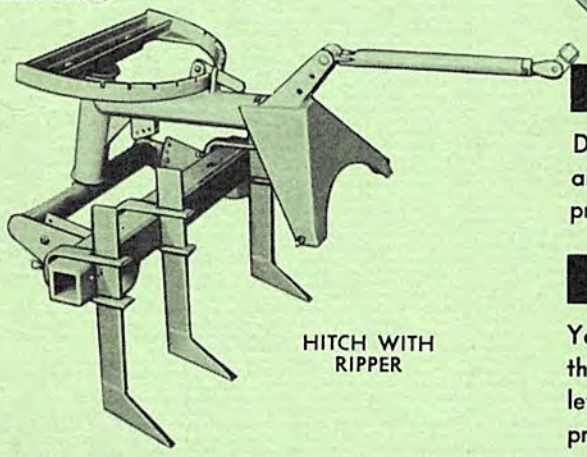
Heath equipment is designed to take advantage of the positive hydraulic action of the Willys Jeep and give easy, fast and accurate control of attachments.



HITCH WITH SCOOP

Rugged Construction

Tubular welded steel construction stands up under the toughest jobs . . . yet is lightweight and easy to handle.



HITCH WITH RIPPER

Design

Designed in size and shape to give best results for the amount of power and size of the Willys Jeep . . . thus give proper digging action and easy operation.

Complete Dirt-Moving Outfit

You can handle dozens of jobs quickly and at low cost with this outfit . . . grading, sloping, ditching, excavating and leveling . . . and easily take care of your snow removal problems.

Buy Any Combination of Attachments

You can buy the Heath Hitch and any one of the attachments . . . all of the attachments . . . or any combination you need to handle the type work you want to do.

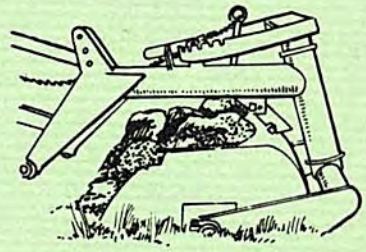
Heath ENGINEERING CO.

FORT COLLINS, COLORADO

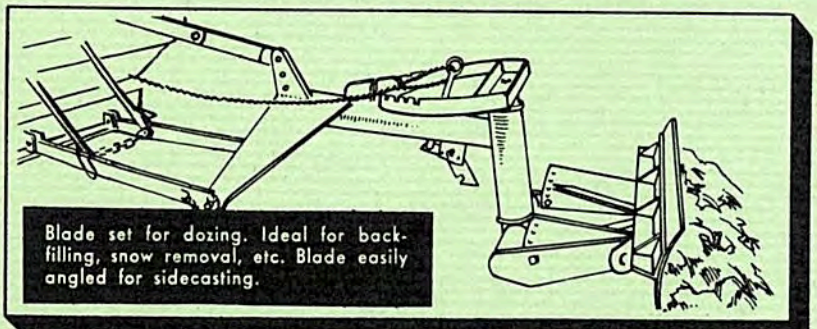
Heath Hitch AND COMPLETE DIRT MOVING OUTFIT

FOR UNIVERSAL 'Jeep'

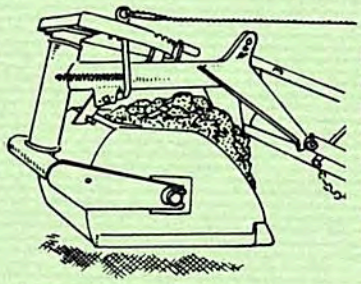
Inquire about the Heath Hydraulic Loader . . . made for front end mounting on Willys Jeep.



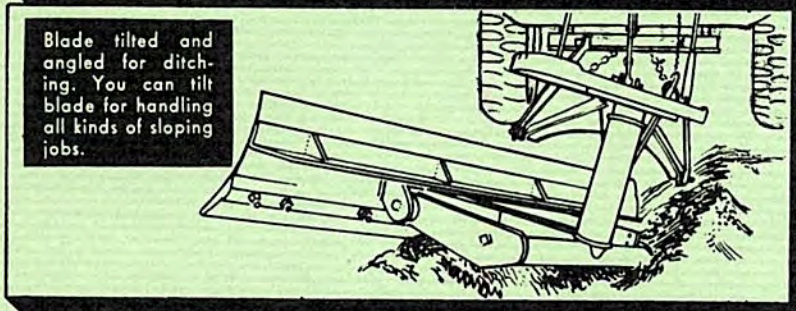
Scoop digs heaping load quickly. Makes smooth, even cut. Use for grading, ditching, excavating cellars, trench silos and pits.



Blade set for dozing. Ideal for backfilling, snow removal, etc. Blade easily angled for sidecasting.

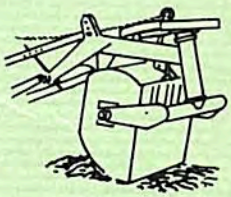


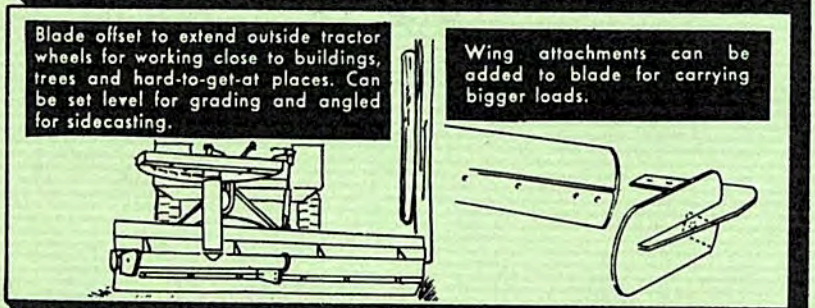
Hitch arrangement gives ample clearance of loaded scoop for travel over rough ground at top tractor speed.



Blade tilted and angled for ditching. You can tilt blade for handling all kinds of sloping jobs.

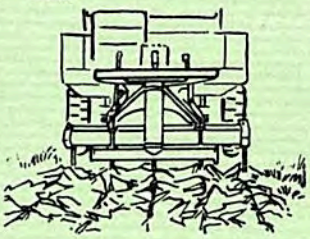
You can dump load all in one spot or spread it evenly to any desired depth. Scoop automatically returns to digging position.



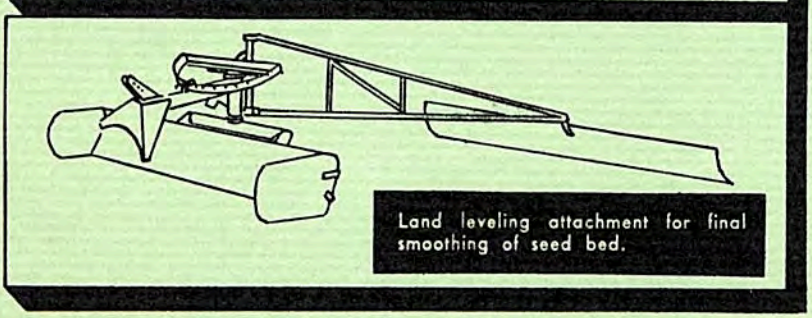


Blade offset to extend outside tractor wheels for working close to buildings, trees and hard-to-get-at places. Can be set level for grading and angled for sidecasting.

Wing attachments can be added to blade for carrying bigger loads.



Ripper uses 1 to 6 teeth . . . you can rip up hardpan, then get easy, fast loading of dirt by scoop, or easily do grading with blade.



Land leveling attachment for final smoothing of seed bed.

HUNDREDS OF SATISFIED USERS!

IMMEDIATE DELIVERY

GET YOURS NOW

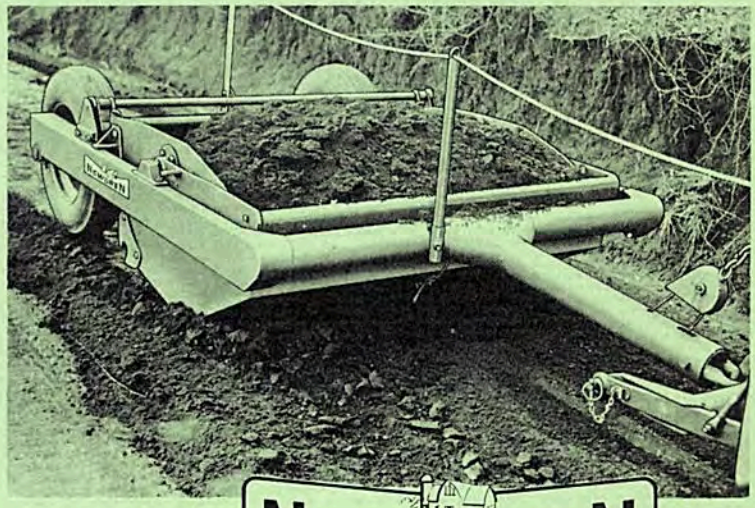
Heath

ENGINEERING CO.

FORT COLLINS, COLORADO

NEWGREN ALL-PURPOSE EARTH MOVER

HANDLES FULL CUBIC YARD AT SPEEDS UP TO 25 M. P. H.



BUCKET-TYPE SCRAPER UTILIZES 4-WHEEL-DRIVE TRACTION OF JEEP AND FINGER-TOUCH OPERATION OF NEW HYDRAULIC LIFT

●

Here's new flexibility in earth moving equipment: A full cubic yard at speeds up to 25 miles per hour with the Jeep. Finger-touch operation with the Monroe Lift for digging, spreading and dumping. Adjustable down pressure up to 500 pounds if needed. Four-wheel drive motive power. Implement hitch or unhitch to lift in one minute. Everything operated by one man from the driver's seat. This Newgren tool will help you set new records in earth-moving. Ask for a demonstration.

NEWGREN

THE NEWGREN COMPANY • BUTLER, PA.

Farm Implements Especially "Tailored" for Use with the Jeep Equipped with the Monroe Hydraulic Lift

●

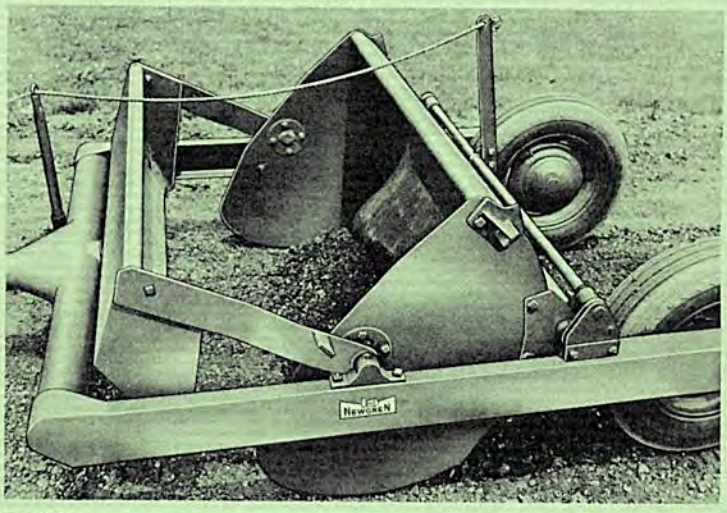
Newgren implements also may be used with tractors equipped with three-point hitch hydraulic systems

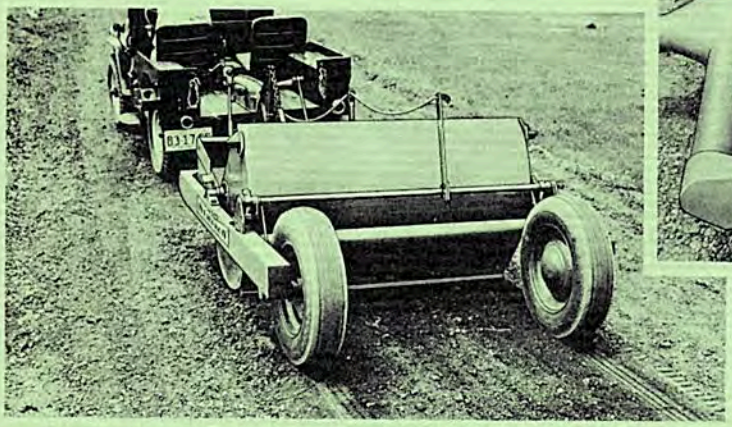
THE NEWGREN COMPANY • BUTLER, PA.

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

Farm Tested

For grading and land leveling, digging trenches and trench silos, snow removal, building roads, excavating for basements, soil conservation, building reservoirs, airport maintenance, and countless other farm, road and construction uses.





SPECIFICATIONS IN BRIEF

All-Purpose Earth Mover—Level capacity, 27 cu. ft. Reversible high carbon steel cutting blade, 3/8 x 6 in., 5 ft. wide. Timken tapered roller wheel bearings. Tires, 6.50 x 16. Diameter of sheaves, 4 in. Plow steel cable for apron. Overall length, 10 ft. Overall width, 5 ft. 9 in. Overall bucket height with blade on ground, 24 in. Ground clearance of bucket, 8 in. Lubrication, Zerk pressure. Shipping weight, approx. 1050 lbs.

The Newgren Company reserves the right to change specifications and design without incurring obligation.

CONTRACTORS OR FARMERS

The Newgren All-Purpose Earth Mover, with wheels behind the bucket, is the ideal equipment for use on township and county roads as well as on farms and ranches. It will fit in with large or small earth moving tasks as well as help maintain earth moving schedules for contractors. In combination with other Newgren tools—post-hole digger, scoop, road grader, terracer and others—a money-saving equipment "package" can be selected to operate with one vehicle, the Jeep equipped with the Monroe Hydraulic Lift. With these implements, one man can change tools in a few minutes, and operate them at maximum efficiency and economy—without assistance.

THE NEWGREN COMPANY

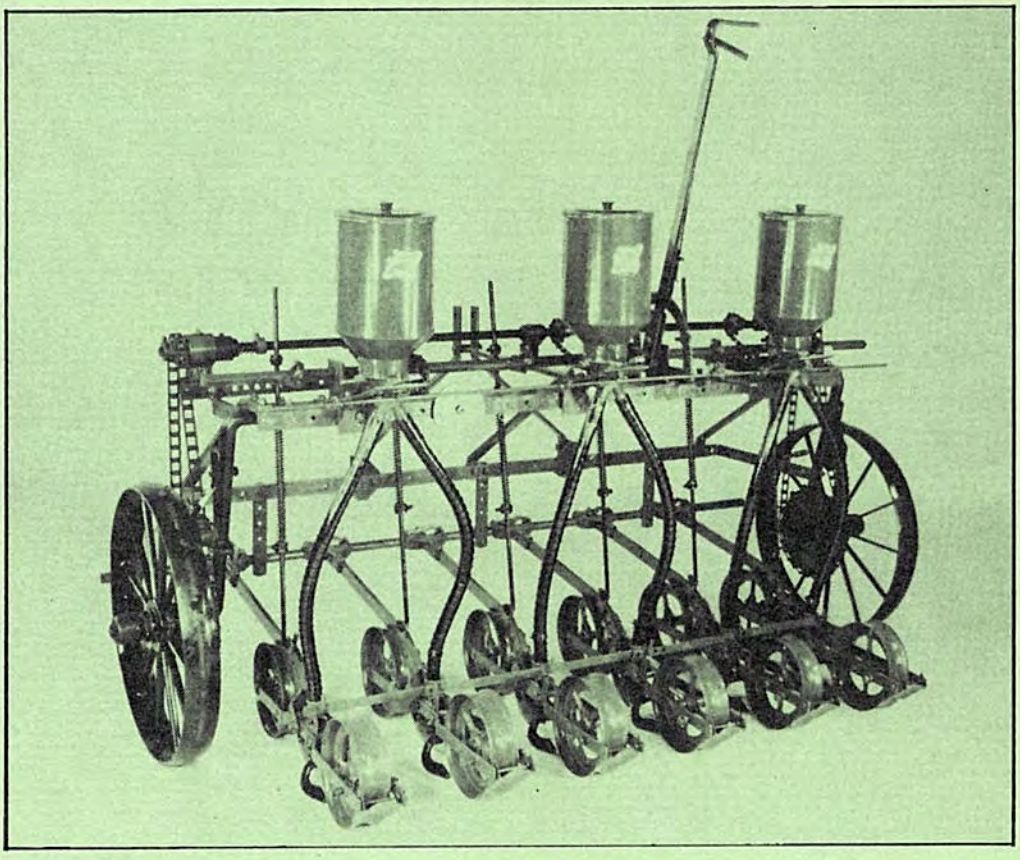
Engineers and Distributors of Farm-Tested Implements

BUTLER, PENNSYLVANIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

Planet Jr.

FOUR, FIVE OR SIX ROW SEEDER

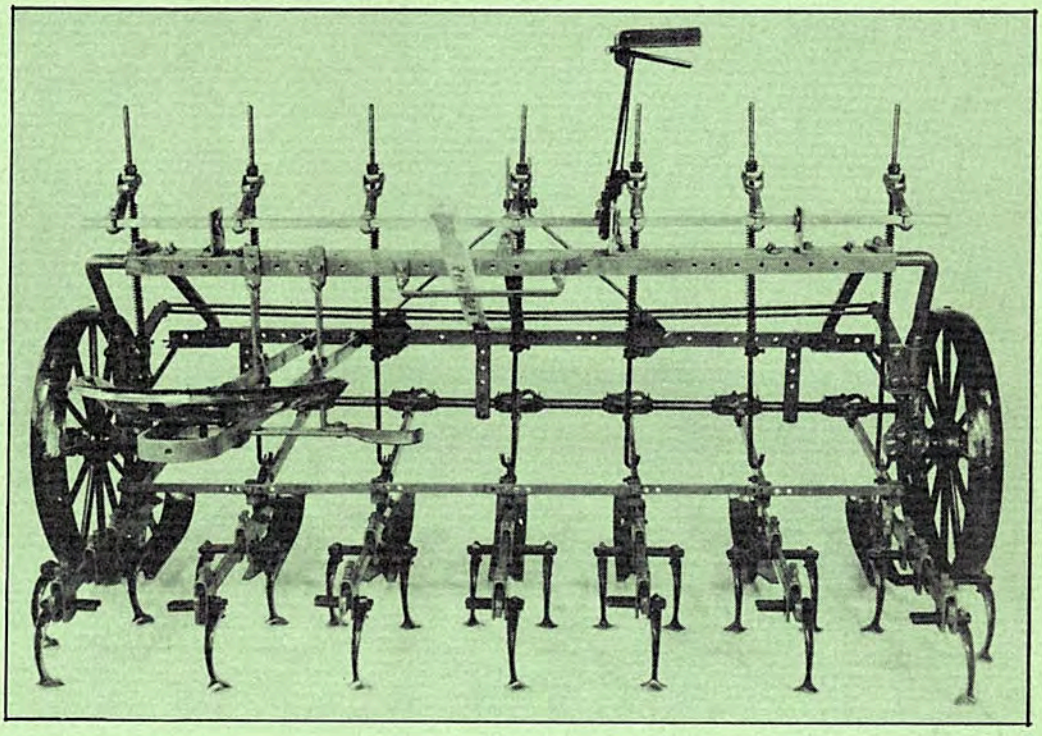


The Planet Jr. No. 155-F

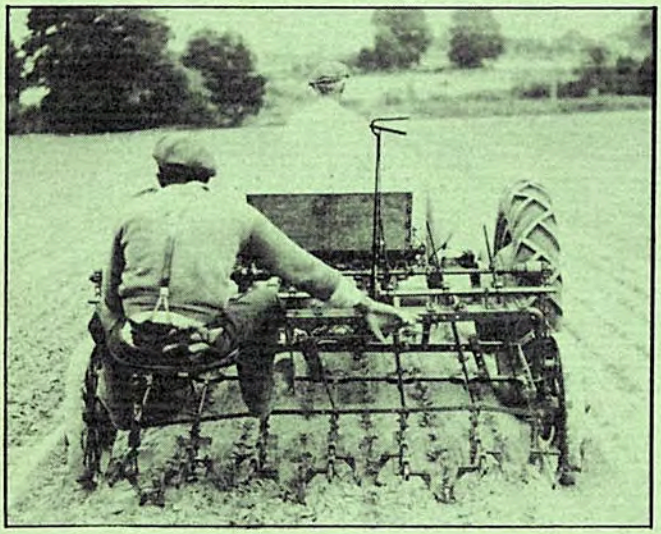
One requirement for success in growing vegetables is getting the seed into the ground exactly when the soil is in the best condition for germination. That means planting as many rows as practical at one time. In order to further reduce labor costs when seeding, plan for cultivating the same number of rows in one operation. The development of Planet Jr. along these lines has been going on for years.

Leading vegetable growers have found it profitable to use Planet Jr. seeders. Although this equipment is sold as a 4, 5, or 6 row machine, it can be adjusted for any number of rows, 72 inches center to center of the outside rows. The seed hoppers hold 9½ quarts each. The seeder plants accurately any kind of vegetable seed from the smallest up to bush lima beans. One shutoff lever stops the flow of seed at all hoppers.

No. 55-F
CULTIVATOR



Planet Jr.



Many years of experimenting, designing and building agricultural tools make it possible to supply the needs of a world wide trade for Planet Jr. Cultivators. The No. 55-F Cultivator has earned a leading position "in the field" for efficiency, accuracy, and convenience. It combines old principles of cultivation—with new methods of control. The result is close, accurate and fast cultivation—at tractor speeds.

For further information and literature write

S. L. ALLEN & COMPANY, INC.

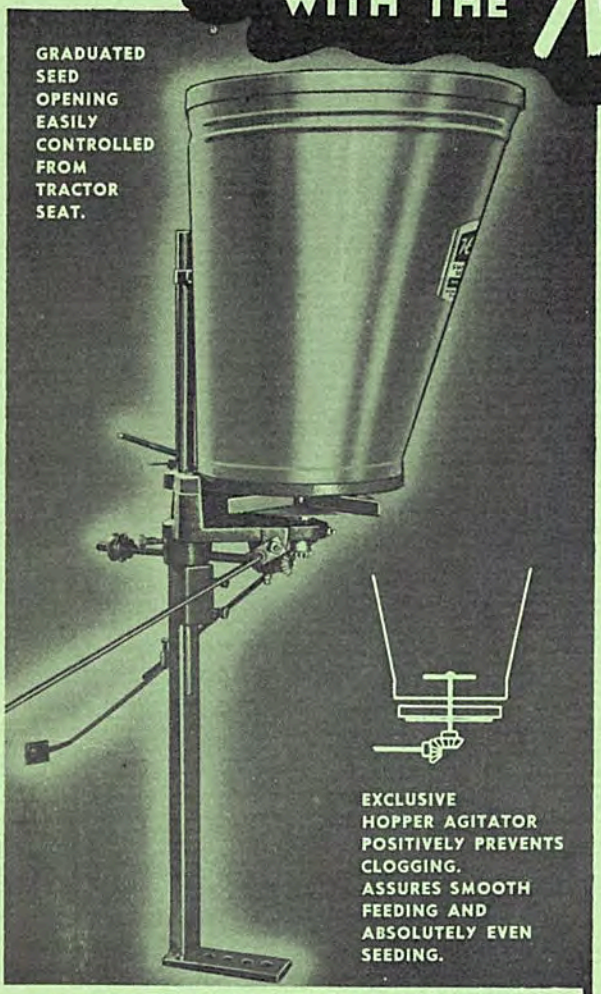
Fifth St. and Glenwood Ave., Philadelphia 40, Pa.

RAISE A *Better Crop* WITH THE *NEW* Herd SURE-FEED SEEDER

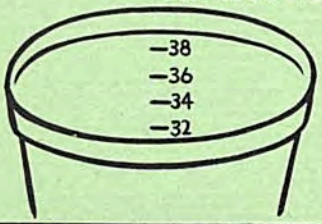
PAT. PEND.

MODEL No. R-38

HERD SEEDER COMPANY
Royal Center, Indiana



HANDY MEASURING GAUGE IN HOPPER



Shows amount of contents—from 2 to 38 quarts—for ease in accurately measuring seed.

CHECK THESE *Features*

- Mounts directly on draw bar of practically all tractors and jeeps in just a few minutes time.
- Operates from power take-off — with V-Belt drive from 2-speed pulley on drive shaft. V-Belt acts as slip clutch.
- Graduated seed opening, calibrated in quarter inches for all types of broadcast seeding. Is easily controlled from tractor seat. Has been designed to accommodate the distribution of pellet fertilizers.
- Seeds 11 acres per hour at 4 M.P.H. tractor speed.
- Covers up to 24 foot width. Spreads evenly and economically. All seed is spread away from the tractor.
- 38 quart hopper will never rust or corrode — never requires painting. Convenient gauge inside hopper to show amounts of contents — from 2 to 38 quarts.
- Sturdily built, with heavy castings, and bronze and Oil-lite bearings — the Herd SURE-FEED Seeder will give years of dependable, trouble-free service. Zerk grease fittings make lubrication easy.
- Easy to assemble and install. Complete directions are furnished with every Herd SURE-FEED Seeder. Replacement and repair parts are available.

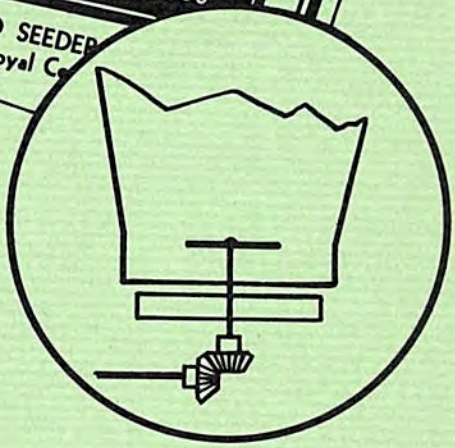
The HERD SEEDER COMPANY

Royal Center, Indiana

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

SAVES

- TIME
- LABOR
- MONEY



MOUNTS ON TRACTORS AND JEEPS

OPERATES FROM POWER TAKE-OFF

ONLY THE

Herd SURE-FEED Seeder

Has The

"HOPPER AGITATOR"

Prevents Clogging
Assures Economical, Even Seeding

This feature is exclusive with the Herd SURE-FEED Power Seeder. Placed inside the hopper, it positively prevents the seed from clogging — even seed that has been inoculation treated. This assures even feeding into the fan and gives you greatest economy in seeding. All seed is thrown in back of, and away from, the tractor to avoid waste.

Replacement Parts Available at Low Cost

The HERD SEEDER COMPANY

Royal Center, Indiana

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

VENTURA *Bean Planter*

FEATURES at a glance

4 Row Planter
12″ to 36″ Spacing
(Even or Uneven distances)

DUAL DRIVE WHEELS
(Steel or Rubber)
(Roller Bearings)

POSITIVE DEPTH CONTROL
(2″ to 6″)

HANDLES ALL SIZE BEANS
(Also peas, squash, corn, etc.)

ELIMINATES SEED BUNCHING

EQUIPPED WITH ROW MARKERS

VARIETY OF BOOTS AVAILABLE

SIMPLE, RUGGED CONSTRUCTION

The Ventura Planter is a complete unit in itself. The dual drive feature of a driving mechanism on each end of the planter serves as a stabilizer in keeping the planter from changing seed depth at the outer ends. Any desired depths from 2″ to 6″ are obtained.

Welded steel construction is used throughout making the planter extremely sturdy and durable and assuring a long life of successful planting.

FOR DETAILED INFORMATION, SPECIAL INSTRUCTIONS OR ADDITIONAL LITERATURE WRITE

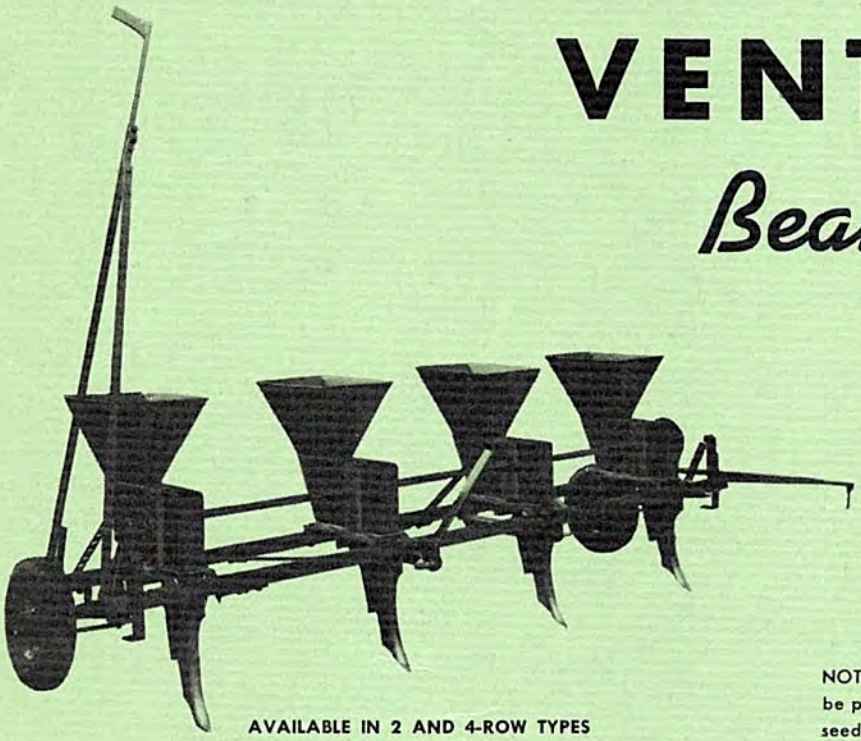
Manufactured by:

VENTURA MANUFACTURING and IMPLEMENT COMPANY

1056 EAST FRONT ST., VENTURA, CALIF.

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

VENTURA
Bean Planter



AVAILABLE IN 2 AND 4-ROW TYPES

NOTE: When ordering specify kind of seed to be planted, row spacing, pounds per acre to be seeded and spacing in the row.

VERSATILITY. Seeding boots and mechanism can be set to any desired spacing of even or uneven distances anywhere on main frame bars.

THREE TYPES OF BOOTS. Standard boot, furnished as regular equipment; adobe boot for heavy land; runner openers (slight additional charge); the boot system is considered far superior to runner planter where seeds are often left on top of ground or too close to top to germinate.

SEED SPACING. Easily adjusted by changing sprockets to make seed drop at any desired distance apart.

SEED DROPPER. Plants only 1 seed at a time with precision and perfect regularity. Handles amazingly wide variety of seed; change of droppers is made quickly and easily.

NO BREAKAGE OR BUNCHING. Seed is handled as gently as if planted by hand. Planter operates close to ground, assuring accurate planting and preventing damage to seed.

PLANTER BOXES. Can be set quickly to any desired row spacing from 12″ to 36″. Extra boxes and shoes may be added if additional rows are desired. Standard model has 4 boxes.

SEED HANDLED. All kinds of beans; small white, limas, kidney, horse, castor; all kinds of peas and garbanzo; kaffir corn and other types of corn, milo maize, etc.; peanuts; asparagus; sunflower; squash; also selected seed for nursery stocks, such as cherry, plum pits, etc.

CONSTRUCTION. Full welded throughout, bearing and sprocket chains are made of finest materials available. The whole implement is constructed with a view to ease in handling but with great strength and durability.

FOR DETAILED INFORMATION, SPECIAL INSTRUCTIONS OR ADDITIONAL LITERATURE WRITE

Manufactured by:

VENTURA MANUFACTURING and IMPLEMENT COMPANY

1056 EAST FRONT ST., VENTURA, CALIF.

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

FIELD FORCE SPRAYERS

COMBINATION ORCHARD AND ROW CROP SPRAYERS

- **ECONOMICAL**
- **STURDY**
- **MODERN**
- **STREAMLINED**

TRIED AND TESTED BY WILLYS-OVERLAND

MANUFACTURED BY

FIELD FORCE MANUFACTURING COMPANY

PHOENIXVILLE, PA.

THE MANY PURPOSE SPRAYER

ORCHARD SPRAYING
BARN DISINFECTING
CATTLE SPRAYING

ROW CROP SPRAYING
WHITEWASHING
WEED KILLING

Sprayers are equipped with: Automatically controlled pressure regulators; Paddle type agitators; Outside cleaned strainers; Rear platforms; Hoods over working parts; Clear cypress streamlined tanks, mounted on 4" electric welded steel channel frames; Adjustable axles of square tubular steel, for width and clearance adjustment; Automotive type wheels using "Timken" bearings! Either Field Force Open type or Deming Oil-Rite pumps.

SPECIFICATIONS

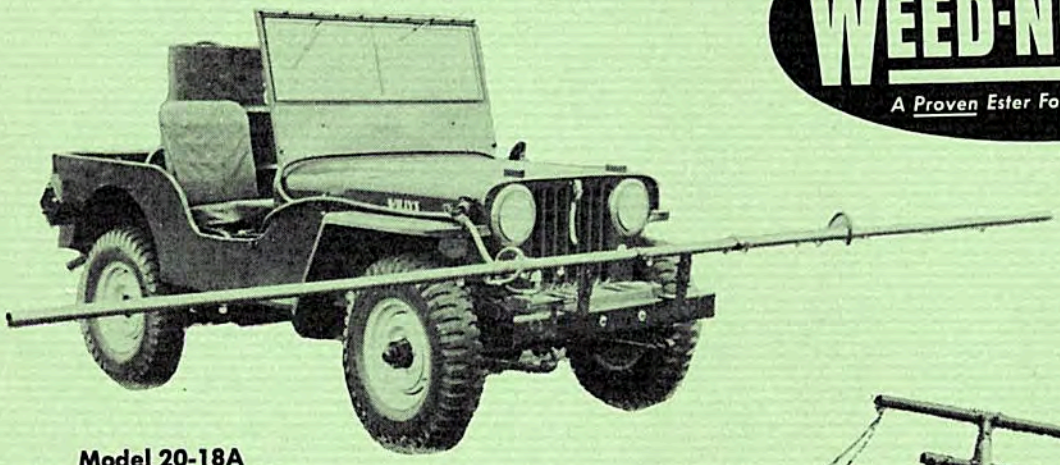
	Pump Capacity	Pressure	Tank Capacity	Tires and Wheels	Dimensions	Wgt.
JR 1260-150	10	450 lbs.	150	6.00x16	57x122x66	1050
JR 992-150	12	450 lbs.	150	6.00x16	57x122x66	1100
JR 1260-200	10	450 lbs.	200	6.00x16	62x122x66	1075
JR 992-200	12	450 lbs.	200	6.00x16	62x122x66	1125
JR 2260-200	15	500 lbs.	200	6.00x16	62x122x66	1400
JR 993-200	18	500 lbs.	200	6.00x16	62x122x66	1450
JR 2260-300	15	500 lbs.	300	6.00x20	62x144x66	1600
JR 993-300	18	500 lbs.	300	6.00x20	62x144x66	1650

EXTRA EQUIPMENT

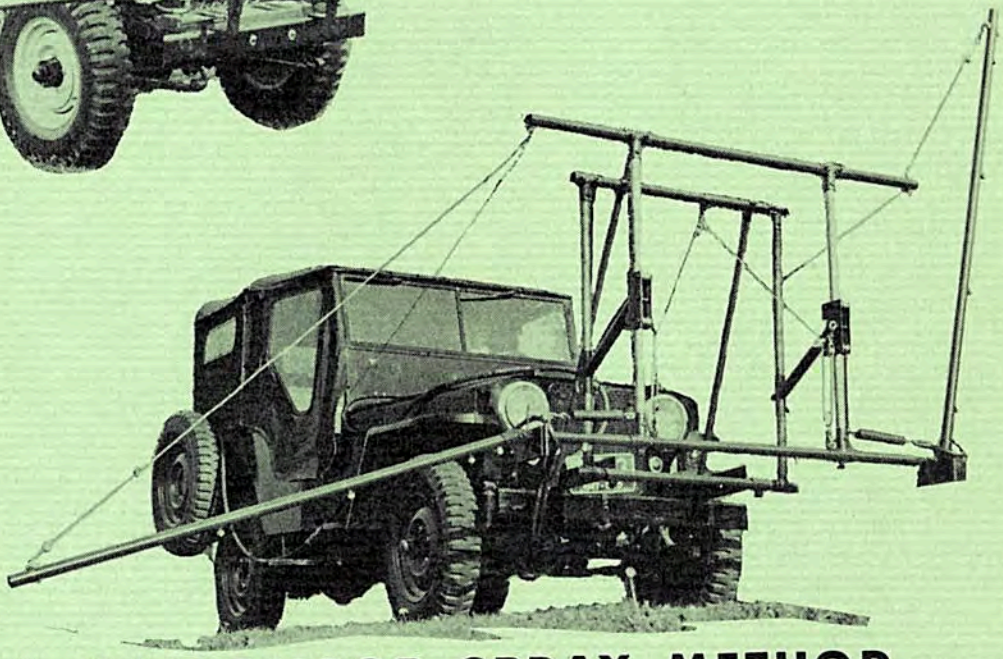
Tires and Tubes — Booms — Guns and Hose — Power Take-off Attachment — Tank Filling Attachment — Self Tracking Hitch and 90° Power Take-off Attachment

PRICES F.O.B. FACTORY. Subject to Change Without Notice.

AGRICULTURAL
WEED-NO-MORE
TRADE MARK
A Proven Ester Formulation of 2,4-D



Model 20-18A
Standard Boom Sprayer
Attached to Jeep.



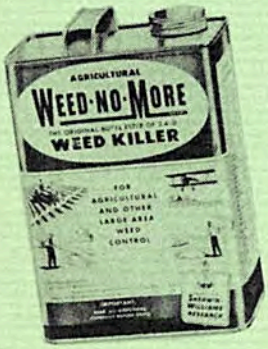
Model 20-18A
DeLuxe Boom Sprayer
Attached to Jeep.

NEW LOW GALLONAGE SPRAY METHOD

USES ONLY 5 GALLONS OF SPRAY MIXTURE... OR LESS...PER ACRE

This revolutionary, new method of spraying, developed and proved in 1947 on more than 500,000 acres of grain crops, lets one man cover seven to fifteen acres per hour.

New precision nozzles make it possible to spread a small amount of liquid over an entire acre. Low pressure, low gallonage application brings these important advantages: water hauling is cut as much as 95%—wheel damage to the growing crop is reduced to a minimum—one man can handle the whole job—can treat as many as 100 acres in a day.



AGRICULTURAL WEED-NO-MORE

A PROVEN ESTER FORMULATION OF 2, 4-D

Authorities have found that the ester formulation of 2, 4-D used in Agricultural Weed-No-More penetrates weed leaves within five minutes or less, then begins to work instantly. Agricultural Weed-No-More is perfectly suited for the low gallonage method of application, because it is effective in the smallest quantities and because it mixes thoroughly with water.

A PRODUCT OF SHERWIN-WILLIAMS RESEARCH

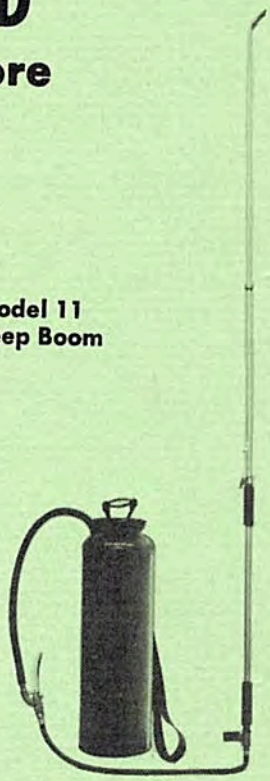
LOW GALLONAGE

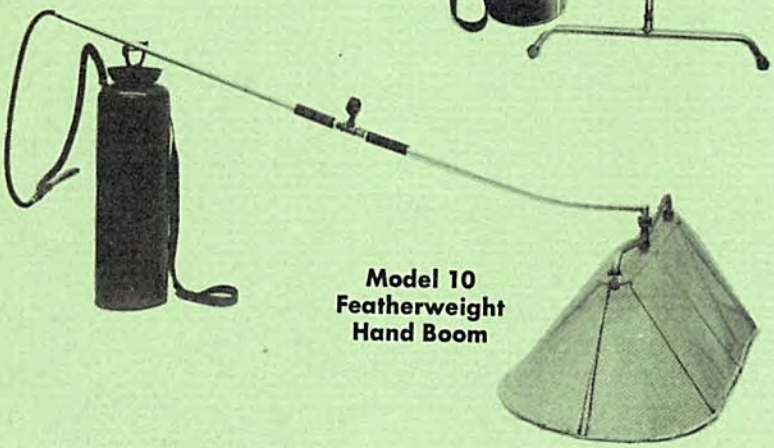
SPRAYING BY HAND

with Agricultural Weed-No-More

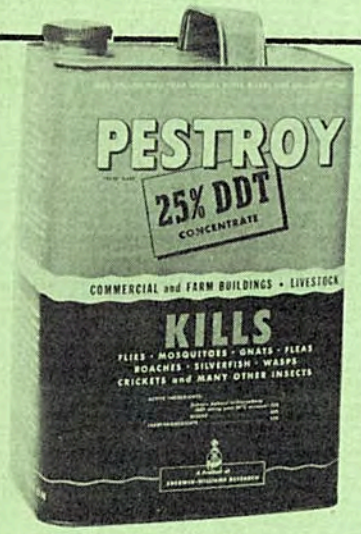
Model 12
All-Purpose
Boom

Model 11
Sweep Boom





Model 10
Featherweight
Hand Boom



PESTROY 25% DDT

IS A DDT CONCENTRATE FARM SPRAY— BOOSTS PROFITS ON MILK, BEEF, EGGS & CROPS!

LIVESTOCK: For control of horn flies, mosquitoes and many insect pests on cattle. Spray with 1 to 2 qts. Pestroy 25% DDT in 25 gallons of water.

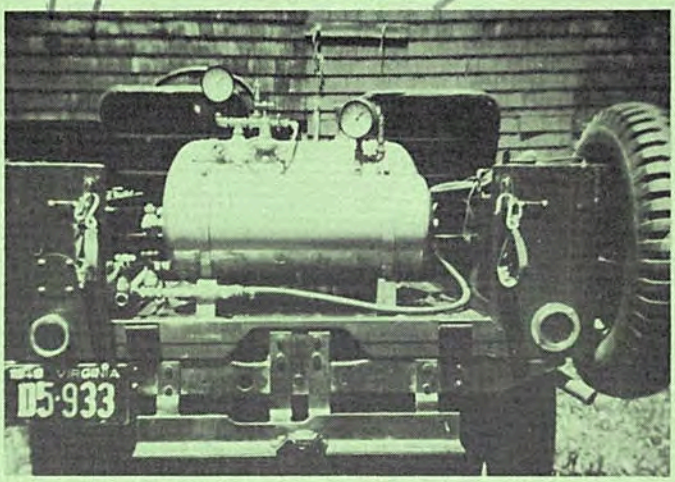
BARNS: Spray Pestroy 25% DDT, reduced to a 5% solution, on barn walls, ceilings, around doors and windows, to the run-off point, for complete control of stable flies and other profit-robbing insects.

CROPS: Pestroy 25% DDT as a crop spray kills corn borers, potato aphids, flea beetles, leafhoppers and gives effective profit saving control to many other insect pests in crops.

IMPORTANT: Pestroy 25% DDT is safe, easy-to-use, will not clog spray equipment, mixes easily with water and non-inflammable mixed as directed. Regular Universal 'Jeep' power take-off unit makes an ideal power source for spraying cattle, and barns. The Weed-No-More low-gallonage spray boom or any type spray equipment attachable to jeeps is satisfactory for crop-spraying with Pestroy 25% DDT. Care must be taken to deliver required amounts of DDT per acre.

CRAFTON COMBINATION SPRAYER

8/3/50 [illegible] Toledo



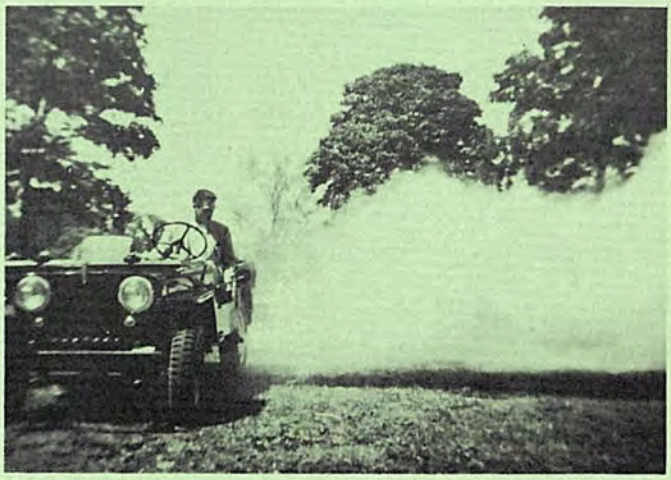
In this self-contained, completely mobile sprayer and fogging unit, compressed air is obtained from a small compact compressor mounted on the Jeep engine. This compressor, which will build up 120 pounds pressure in less than 4 minutes, can be disengaged automatically by racing the Jeep engine.

Air is stored in the auxiliary air tank.

A pressure regulator maintains a constant pressure and a steady flow of air from the auxiliary air tank to the main storage tank containing the spraying or fogging ingredients, thereby guaranteeing uniform spraying.

USES

- RESIDUAL SPRAYING
- MOSQUITO CONTROL
- TERMITE CONTROL
- PEST CONTROL
- FOGGING
- HOUSES and DAIRIES
- PAINT SPRAYING



SIMPLE TO OPERATE—
REASONABLY PRICED

FOR LITERATURE, INFORMATION ON DELIVERY, SHIPMENT, WRITE

TIDEWATER WILLYS INC., 2604-10 GRANBY ST., NORFOLK, VIRGINIA

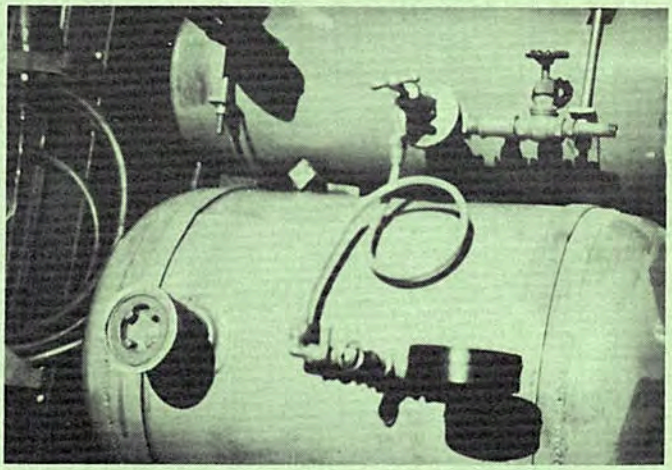
For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

CRAFTON COMBINATION SPRAYER

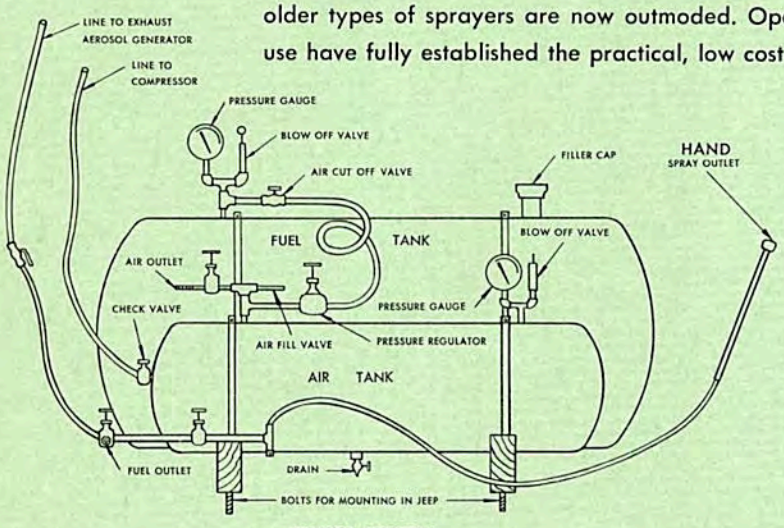
Note OVER

One of the safety factors of the auxiliary air tank is the relief valve, set for 120 pounds pressure. There is also a relief valve on the storage tank, set for 50 pounds pressure. This assures complete safety while operating the sprayer.

To get maximum efficiency from the fogging operation, the engine's temperature must be 140 degrees, or more.



The development of powerful new insecticides such as D.D.T. which in very small amounts are deadly to many insects calls for a new means of dispersal. Many of the older types of sprayers are now outmoded. Operating experience for interior and field use have fully established the practical, low cost advantages of this sprayer.



SPRAYER ASSEMBLY

This unit can be mounted on the Universal CJ2A Jeep, or on the military-type Jeep, since it requires only a 36" x 36" space.

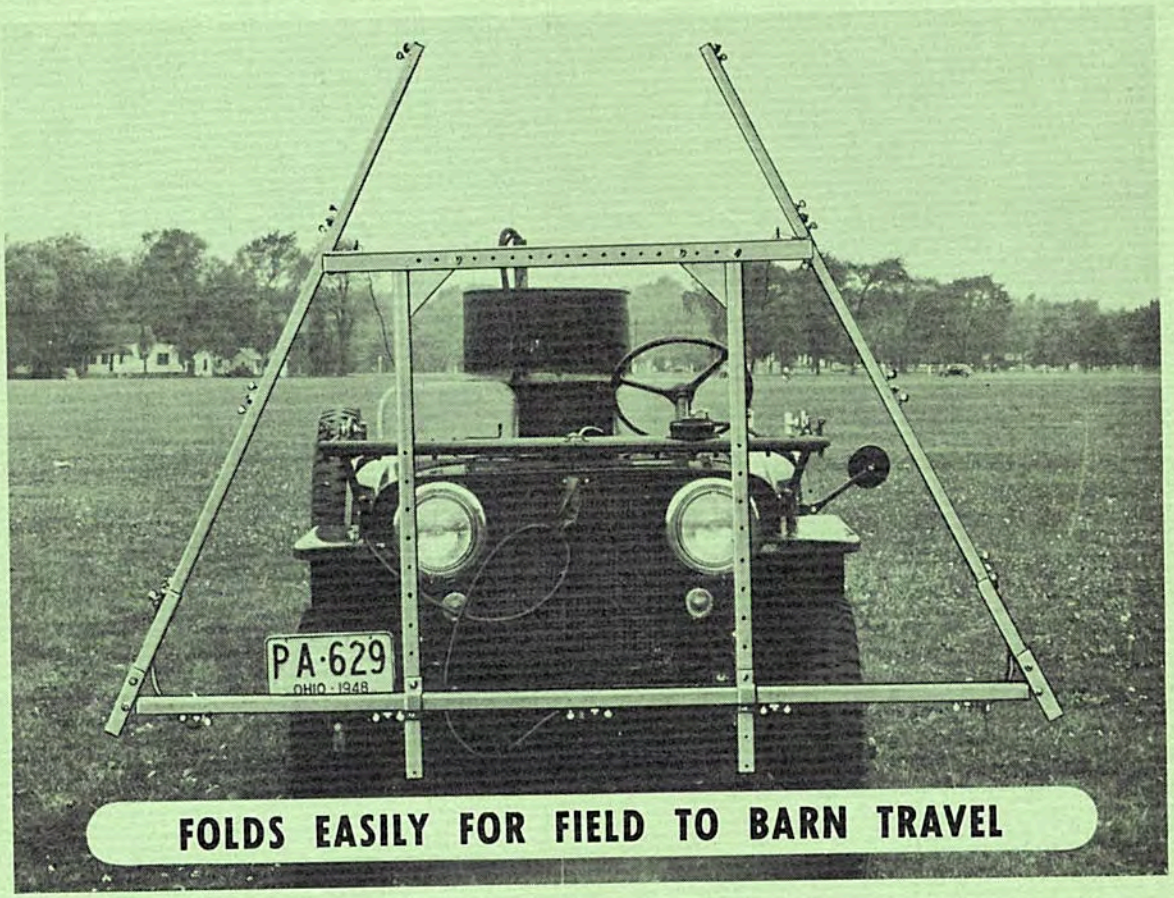
With this compact unit mounted on the mobile, sure-footed, 4 Wheel Drive Jeep, powered by the mighty Jeep engine, you have the most versatile, economical spraying outfit in the field today.

FOR LITERATURE, INFORMATION ON DELIVERY, SHIPMENT, WRITE

TIDEWATER WILLYS INC., 2604-10 GRANBY ST., NORFOLK, VIRGINIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

"FARMER PROVEN"



FOLDS EASILY FOR FIELD TO BARN TRAVEL

RUGGEDLY CONSTRUCTED

ALL ALUMINUM

2-4D SPRAY BOOM

BALDWIN MANUFACTURING COMPANY

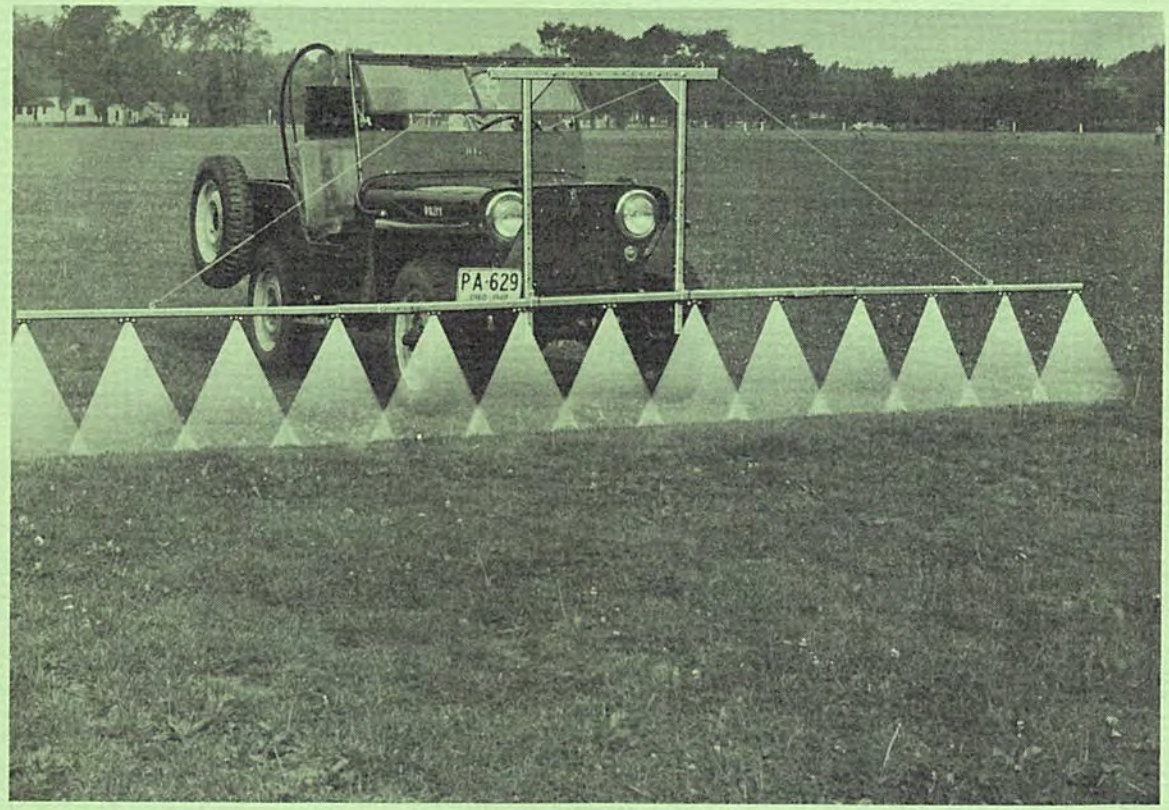
835 E. 140th STREET CLEVELAND 10, OHIO

Telephones: IVANHOE 1770; GLENVILLE 9243

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

FOR THE JEEP — IT CAN'T BE BEAT

LIGHT WEIGHT – STURDY – CORROSIVE RESISTANT



19 FOOT SPRAY COVERAGE

FOR FARM CROPS • PASTURE LAND • ROADSIDES
GOLF COURSES • PARKS • AND OTHER TURF AREAS

APPLIES 5 GALLONS PER ACRE AT 4 M.P.H. WITH 30 LB. PRESSURE

BALDWIN MANUFACTURING COMPANY

835 E. 140th STREET CLEVELAND 10, OHIO

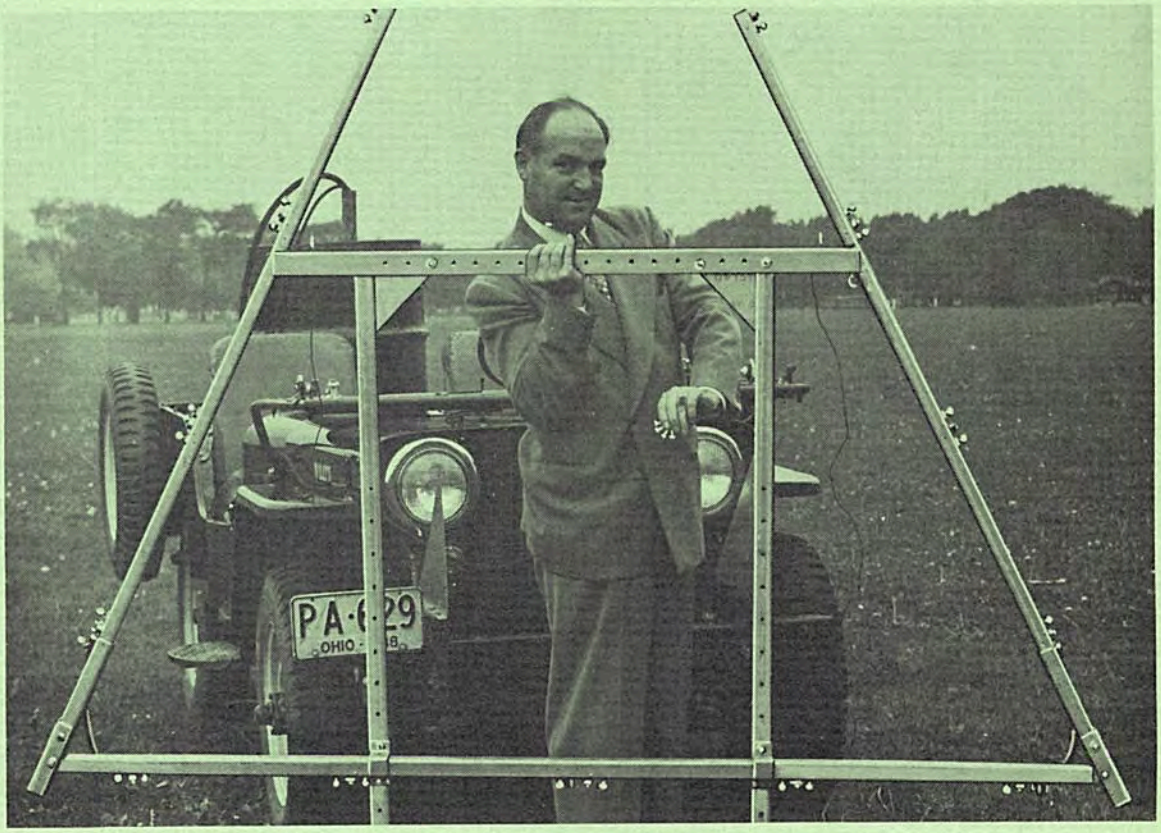
Telephones: IVANHOE 1770; GLENVILLE 9243

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS - OVERLAND EXPORT Corp., Toledo 1, Ohio.

FIELD PROVEN ON OVER 300,000 ACRES

ONE UNIT HAS OVER 4,000 MILES IN FIELD AND HIGHWAY OPERATION — STILL LOOKS LIKE NEW

HELD BY 4 BOLTS — REMOVE IN 2 MINUTES



LIFT WITH ONE HAND

LIGHT — STURDY

AIRPLANE TYPE DESIGN GIVES MAXIMUM STRENGTH — MINIMUM WEIGHT

ADJUSTABLE UP TO 42" ABOVE GROUND

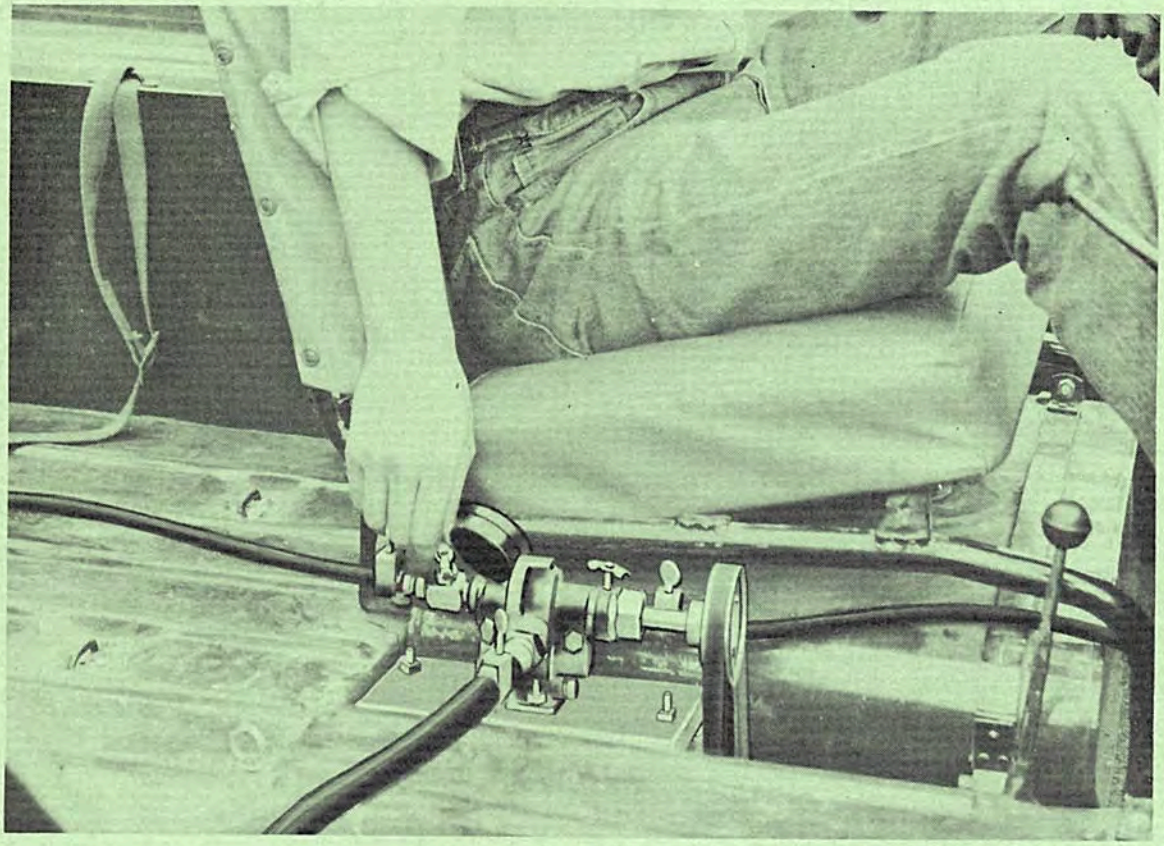
BALDWIN MANUFACTURING COMPANY

835 E. 140th STREET CLEVELAND 10, OHIO

Telephones: IVANHOE 1770; GLENVILLE 9243

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

SPRAY NOZZLES, PUMP, BRASS VALVES AND FITTINGS MADE BY NATIONAL MANUFACTURERS



FINGER-TIP CONTROL

COMPLETE UNIT INCLUDES . . . BOOM WITH 13 STANDARD PRECISION NOZZLES . . . SUCTION, BY-PASS & BOOM 2-4D-RESISTANT HOSES . . . SUCTION LINE SCREEN . . . STAINLESS STEEL SHAFT & BRONZE GEAR PUMP WITH ALL FITTINGS . . . MOUNTING BRACKETS . . . CABLES WITH FITTINGS FOR SEAT CONTROL TO RAISE AND LOWER END SECTIONS . . . GAUGE . . . 4 BRASS VALVES . . . BOLTS, NUTS, FLAT & LOCK WASHERS (ALL CADMIUM PLATED) . . . BOX FOR MOUNTING PUMP WHICH CAN ALSO BE USED FOR TOOLS . . . METAL GUARD FOR DRIVE PULLEY.

BALDWIN MANUFACTURING COMPANY

835 E. 140th STREET CLEVELAND 10, OHIO

Telephones: IVANHOE 1770; GLENVILLE 9243

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

NEWGREN ROW CROP AND FIELD SPRAYER
(With Attachments for Tree, Fence Row, Ditch and Vegetable Spraying)

Farm Tested

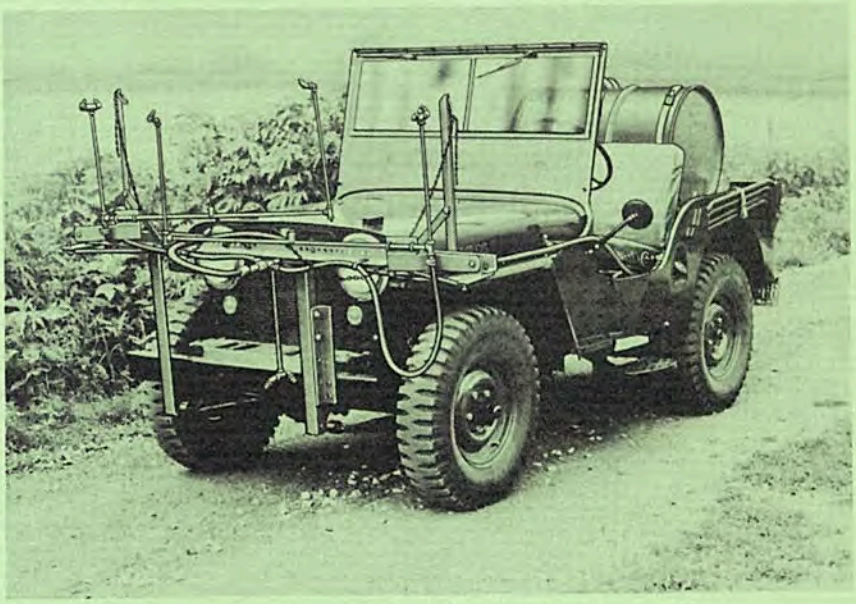
CHEMICAL WEED AND PEST CONTROL NOW MORE MODERN THAN EVER

NEWGREN-JEEP COMBINATION DOES A BETTER JOB FASTER

Here is spraying equipment designed to take full advantage of the speed, flexibility and versatility of the four-wheel-drive Jeep to accomplish all of the chemical-control benefits that have come to mean so much to the modern farmer.

This Newgren sprayer—thoroughly farm-tested over hundreds of thousands of acres of field crops and along hundreds of miles of fence rows and ditches—can be used for everything from field and row crops to trees, fence rows, vegetable crops, and even hog and poultry houses and dairy barns. Row crop attachments, which are standard equipment and adjustable for weeds or plant pests, are simply removed for field spraying. Hand gun attachments, available as extra equipment, give the flexibility required for tree, fence row and similar work and highway weed control. In all these uses, you have weed and pest killing efficiency that is combined with the fast, agile, dependable operation of the Jeep to get the spraying job done when it's needed and without loss of time in installing the equipment on the Jeep or getting back and forth to the scene of operation.

Owners of Jeeps with Newgren sprayers also have found that their equipment has many other uses beyond weed and pest control. The sprayer can be used, for example, for flushing radiators, pumping out cisterns, applying white wash and even pumping and hauling water for livestock.



NEWGREN

THE NEWGREN COMPANY • BUTLER, PA.

Implements and Accessories
Especially "Tailored"
for Use with the Jeep

THE NEWGREN COMPANY • BUTLER, PA.

EQUIPMENT THAT IS DESIGNED TO
Put the Spray Where It's Needed

Spraying weeds out of extremely foul corn field, not possible to cultivate previously because of wet weather.

Insect control on pear trees, using hand gun attachment—half turn of handle adjusts from long stream to fine mist.

FACTS AND FEATURES

MODEL HS-12—Heavy angle iron mounting brackets with $\frac{5}{16}$ in. steel tubing in boom. Boom ends fold up and over, and boom easily adjusted 12 to 50 in. from ground. Booms also spring loaded to swing around trees and posts. Boom width, 14 ft. Total spraying width, 15½ ft. Nine fan spray nozzles with easily changed Adapto tips. No. 5 tip (5 gal. to acre) standard. Other tips available, giving 2½ to 40 gal. per acre. Adjustable row crop attachments removable for field spraying. Three-way filtering of solution with removable nozzles replaceable Monel Metal screens at tank, in boom pressure line, and in each nozzle.

Heavy duty Fairbanks-Morse Type bronze gear pump with ¾ in. pipe size, operated from power take-off. Maximum capacity of 10 gallons per minute at power take-off speed of 500 r.p.m. Hand operated relief valve, with shut-off valve at driver's seat, gives variable pressure of 20 to 150 pounds. Specially developed composition hose, resistant to oil, acids and chemical solutions. Shipping weight 135 lbs.

Spraying fence rows to eliminate roadside weeds, also with hand gun attachment. Note how boom ends fold up and over. Ends of booms also fold back to clear trees and posts.

ACCESSORIES

Available as Extra Equipment

M-21 single hand gun with two stainless steel discharge discs, $\frac{3}{64}$ and $\frac{5}{64}$ in. orifices, interchangeable. Operating mechanism in handle removed from chemical for longer life. Neoprene gaskets. One-turn of molded handle opens gun from shut-off through fog to full stream. Built-in nozzle with shut-off at head, allowing removal of cap to change discs without shutting off pressure. May be cleaned without disturbing adjustment.

25 feet of special composition hose for use with hand gun

Barrel rack for Jeep with hold-down wires (shp. wt., 15 lbs.)

Tips for sprayer for coverage of 2½ to 40 gal. per acre. State coverage desired.

Park, shade tree or fire gun nozzle attachments for hand gun.

The Newgren Company reserves the right to change specifications and design without incurring obligation.

THE NEWGREN COMPANY

Engineers and Distributors of Farm-Tested Implements

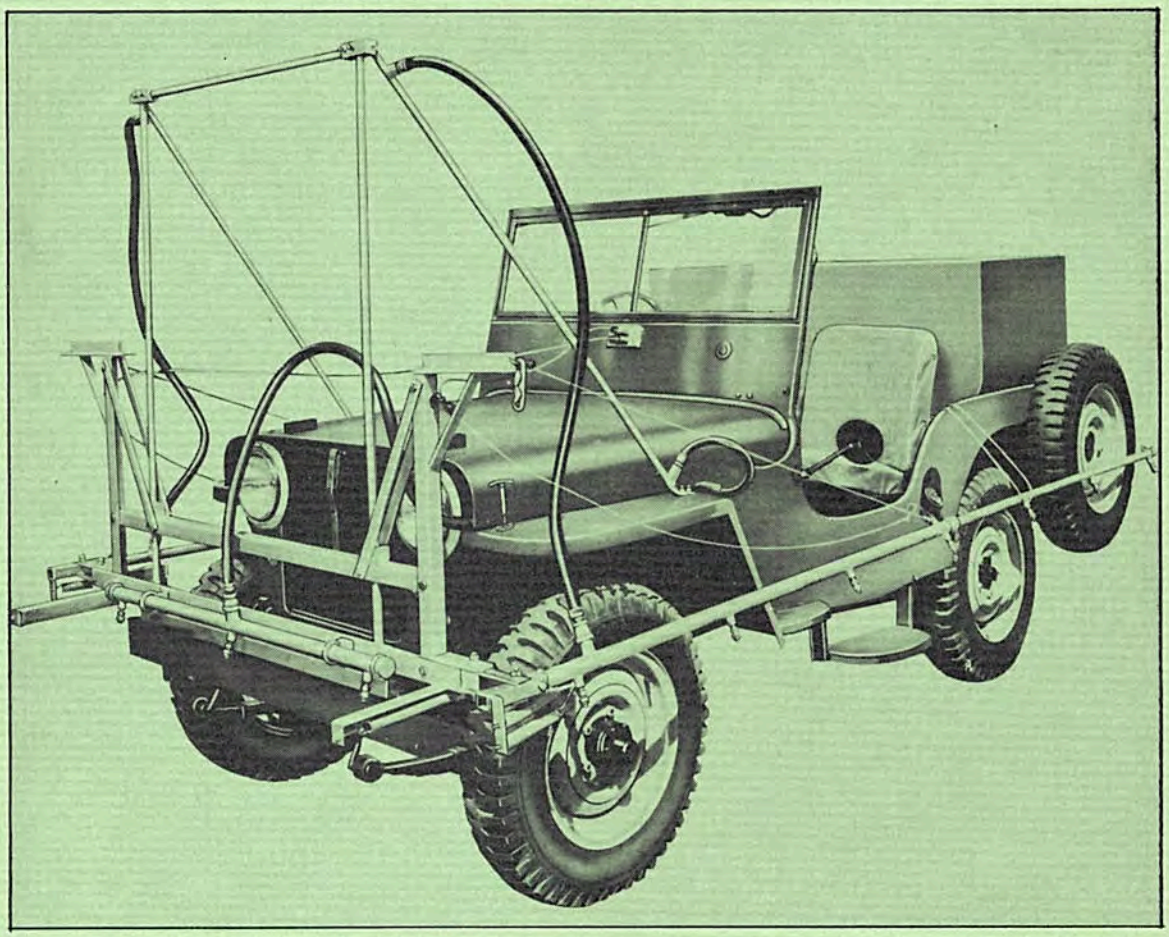
BUTLER, PENNSYLVANIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

BROYHILL FIELD SPRAYER

'JEEP'-MOUNTED

Model J-1



Features This commercial field sprayer combines as many features as possible — sound engineering plus incorporation of the results of extensive field testing. The 27-foot boom, available in either steel or stainless steel, is not only adjustable for ground height, but can also be folded backward, forward, upward, or dropped below level position when spraying contours. Operator controls, by means of valves located at the right of his seat, the spray solution flow to each of the three boom sections. The boom is constructed so that it does not interfere with the driving lights or the operator's vision. Boom arms may be raised by cables located at the operator's seat. 125 gallon supply tank is provided and has been designed to fit across the bed of the 'Jeep' behind the operator. It is removable. Spray nozzles screw into individual sediment traps which are bronzed into the booms at 20" intervals. In the stainless steel boom, welds are secured by silver solder. The spray boom attaches to the 'Jeep' bumper without drilling extra holes. Fender braces are secured by two bolts. Neoprene hose is used throughout and is brought forward from supply tank through knockout plugs under the dash.

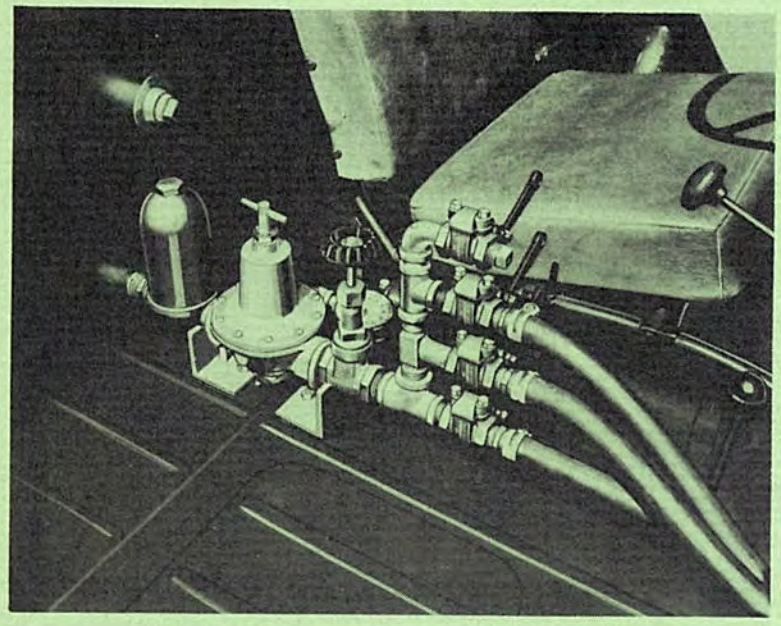
Model J-2 has same specifications as Model J-1 except that boom and boom arms are hydraulically controlled at the driver's position.

THE BROYHILL COMPANY

711 Pearl Street

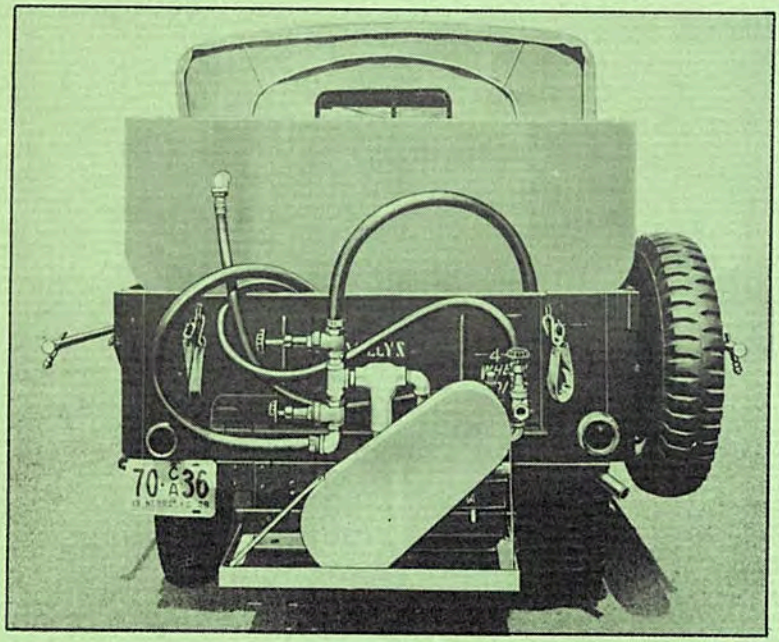
SIOUX CITY, IOWA

HERE ARE IMPORTANT REASONS . . .



This interior view shows the boom control unit which consists of strainer, pressure regulator, pressure gauge, and valves to control the three booms. Top valve has been added to control additional hand gun when desired. The pressure regulator works in conjunction with the relief valve on the rear mounted pumping unit and provides for extremely fine pressure adjustment to allow complete control of spray volume.

. . . FOR BROYHILL SPRAY LEADERSHIP



Rear view shows tank and pumping unit installed. Notice that the pump is protected from damage by a heavy angle-iron bumper and shield. Pump unit carries a suction hose for filling through a pre-pump strainer and relief by-pass to the tank. Pump is a 1" bronze gear unit with external bearings for extended life. "V"-belt from power take-off operates unit. Note valve at pump for attaching hand spray hose. Tank has top well for filling and is recessed to provide carrying space for chemicals and hose.

THE BROYHILL COMPANY

711 Pearl Street

SIOUX CITY, IOWA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

The MAHL JEEP SPRAYER

MODEL RJ

Spraying the Roadside — one of the many uses for the MAHL JEEP SPRAYER

The Mahl Sprayer comes complete with all fittings and hoses necessary. It may be mounted on either the front or rear of the Jeep. Front mounting is recommended for maximum visibility while rear mounting is recommended by leading authorities for pre-emergence spraying. The kit contains both engine driven or power takeoff pump mounting brackets. The Mahl Sprayer is the only sprayer which permits front or rear mounting at the operator's discretion.

Use the Mahl Sprayer for spraying fields, roadsides, fence rows or with its attachment, the hand sprayer, use it for spraying D.D.T. in barns, chicken coops or use it for spraying cattle, etc.

It will pay for itself in one season. It's the ideal unit for the grain and livestock farmer.

Write, Wire or Phone For Information and Literature.

Sold Exclusively Through Willys Distributors - Dealers

MAHL EQUIPMENT CO.
A DIVISION OF
Standard Iron & Wire Works, Inc.
2930 NO 2nd STREET
MINNEAPOLIS, MINNESOTA
"Quality Products Since 1930"

MANUFACTURERS OF
Jeep Loaders · Push Off Stackers · Sugar Beet Harvesting Equipment · Snow Scoops · V Plows · Tractor Loaders · Dozers · Sprayers

The Answer to Low Cost Weed Control

Booms are easily raised for spraying fence rows. Booms are hinged to permit Up, Down, Forward or Backward Swing and automatically return to spraying position.

Attachments Available

1. Hand sprayer with 25 feet of koroseal hose for spraying fence rows, orchards, shrubs and small weed patches. Use it to spray barns and chicken coop with D.D.T.
2. Special solid cone nozzles for spraying D.D.T.
3. Special speed up pump bracket for high gallonage spraying. (For power take-off only.)

SPECIFICATIONS:

CONTROL UNIT: Mounted on mirror bracket, operator controls pressure, agitation, and boom shutoff from seat.

PUMP: Oberdorfer all bronze gear pump having stainless steel shafts gives controlled pressure from 5 to 145 lbs. driven from either engine or power take-off.

NOZZLES: Monarch flat spray nozzles having built in strainer easily removed for cleaning.

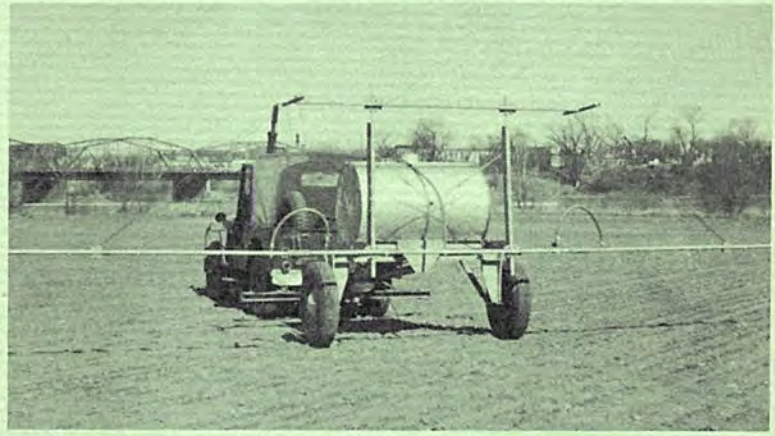
BOOMS: Non-corroding 1" aluminum pipe, with nozzle studs welded in for greater thread area.

STRAINER: Monel Metal line strainer, suction strainer and nozzle strainers give triple filtering.

AGITATION: Positive agitation controlled by operator with by-pass valve.

FRAME: All steel frame electrically welded, ruggedly built for farm use.

MOUNTING: Mount either front or rear with 4 bolts and 2 rods.



The Mahl Trailer Sprayer

is an ideal unit for the large grain or livestock farmer. It is a completely self-contained unit, powered by the Lauson 1½ horsepower gas engine. It has a 140 gallon tank which is sufficient to cover large areas. Its rugged trailer chassis is adjustable from 60 to 80 inches for all row crops. Its mobility and versatility permits its use in barns, buildings, orchards, etc. The sprayer may be removed from its trailer chassis. It will fit the bed of the Jeep Pickup Truck. The booms are controlled by a simple pull type valve which may be controlled from the cab of the Jeep.

Write, Wire or Phone For Information and Literature.

Sold Exclusively Through Willys Distributors - Dealers

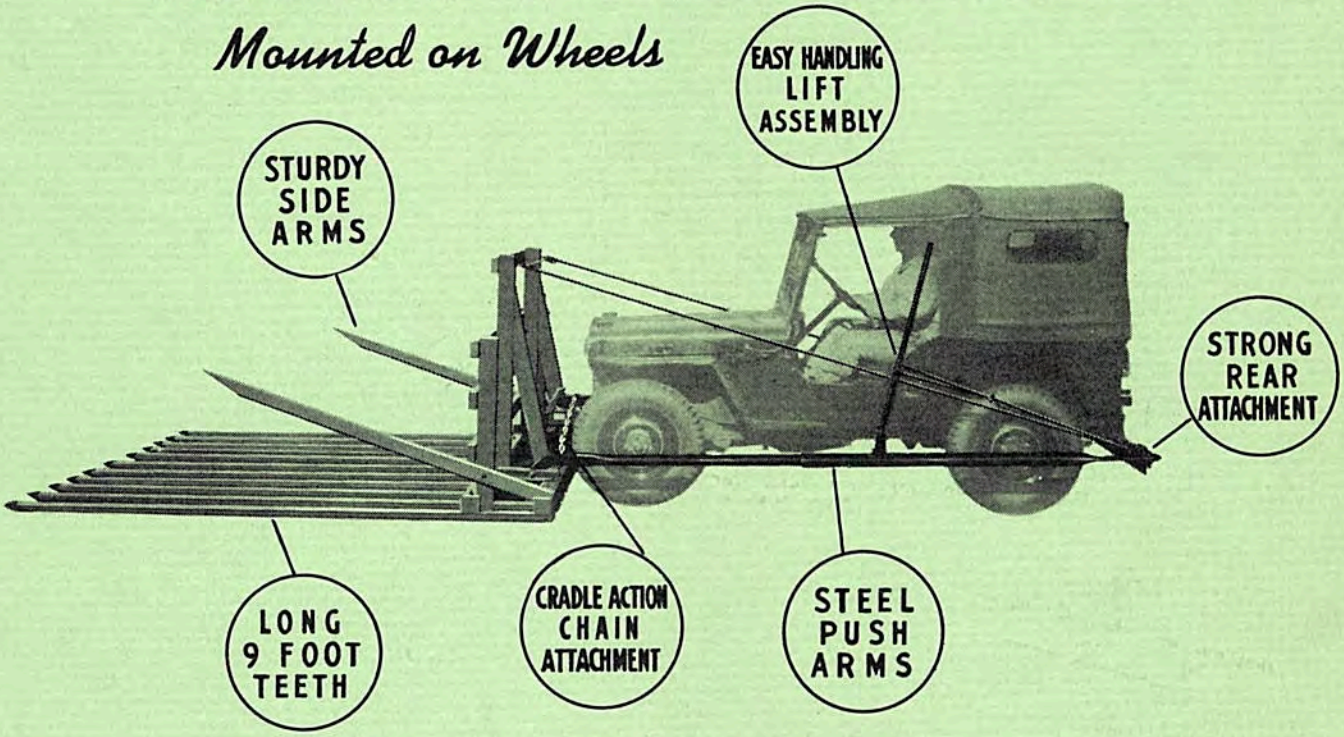
MAHL EQUIPMENT CO.
A DIVISION OF
Standard Iron & Wire Works, Inc.
2930 NO 2nd STREET
MINNEAPOLIS, MINNESOTA
"Quality Products Since 1930"

MANUFACTURERS OF
Jeep Loaders · Push Off Stackers · Sugar Beet Harvesting Equipment · Snow Scoops · V Plows · Tractor Loaders · Dozers · Sprayers

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

JEEP MODEL MIDWAY SWEEP RAKE

Mounted on Wheels



Ease of attachment and operation, durability, and flexible action are a few of the outstanding features which have received generous praise from many who have used the Jeep Model MIDWAY in the past.

A new improvement—the "MIDWAY" is now mounted on two sturdy swivel wheels which carry the full weight of the load. No extra weight on the Jeep.

The MIDWAY is not only the ideal low cost unit for the haying season, but it is also invaluable for all types of carrying around the farm during the balance of the year.

SPECIFY "JEEP MODEL"

Manufactured by

SOLD THROUGH WILLYS-OVERLAND DISTRIBUTORS ONLY

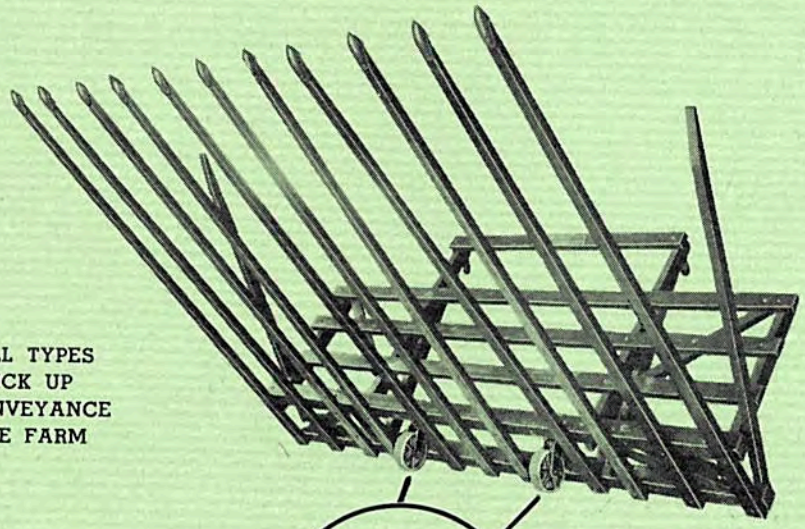
MIDWAY LUMBER COMPANY
WHOLESALERS & MANUFACTURERS
630 N. Prior Ave., St. Paul 4, Minn.

DEALERS AND DISTRIBUTORS MAY REQUEST ADVERTISING MATERIAL DIRECT

JEEP MODEL MIDWAY SWEEP RAKE

1. SWIVEL TYPE LOAD-CARRYING WHEELS . . . two easy acting swivel wheels, securely mounted on the base, carry full weight of load.
2. CRADLE ACTION ATTACHMENT . . . the flexible front chain attachment allows the rake to follow the contour of the ground giving a clean sweep at all times. This flexible attachment allows the rake to absorb a high degree of shock without damage.
3. STRONG REAR ATTACHMENT . . . especially designed to fit the famous Jeep. This sturdy angle-iron attachment across the back can take plenty of punishment.
4. STEEL PUSH ARMS . . . strong steel push arms insure durability and long use.
5. EASY HANDLING LIFT ASSEMBLY . . . conveniently located for the driver, the easily operated lift handle and cable assembly raises the load to the correct carry position. Provides ample clearance for rapid conveyance.
6. SIDE ARMS FOR FREE SLING USE . . . these sturdy side arms keep load on rake.
7. WEATHER PROTECTED TEETH . . . the long 9-foot teeth are treated with a special wood preservative which retards weathering, always a problem in any climate.
8. METAL TIPPED TEETH . . . just one further refinement, all teeth are equipped with metal tips for protection against splintering.

FOR ALL TYPES OF PICK UP AND CONVEYANCE ON THE FARM



NO EXTRA WEIGHT ON JEEP

FULL WEIGHT OF LOAD CARRIED ON STURDY SWIVEL WHEELS

SPECIFY "JEEP MODEL"

Manufactured by

SOLD THROUGH WILLYS-OVERLAND DISTRIBUTORS ONLY

MIDWAY LUMBER COMPANY
WHOLESALERS & MANUFACTURERS
630 N. Prior Ave., St. Paul 4, Minn.

DEALERS AND DISTRIBUTORS MAY REQUEST ADVERTISING MATERIAL DIRECT

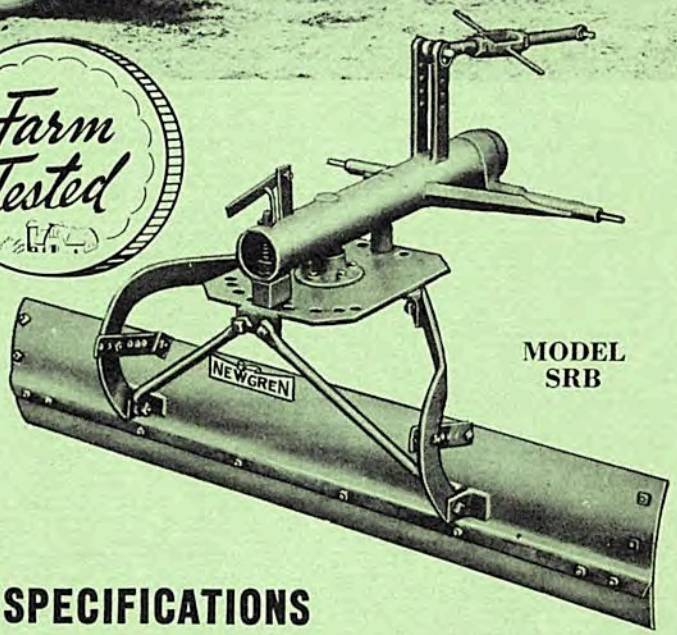
NEWGREN LIFT-TYPE TERRACING BLADE

4-POINT ADJUSTMENT

4-WHEEL-DRIVE TRACTION

NEWGREN
THE NEWGREN COMPANY • BUTLER, PA.

Farm Tested



MODEL SRB

ON THE BLADE

1-CONTROL FOR ANGLE
2-CONTROL FOR PITCH

ON THE LIFT

3-CONTROL FOR DEPTH
4-CONTROL FOR TILT

These four quick adjustments, plus the four-wheel-drive traction, speed and maneuverability of the Jeep, give you a tool that can be operated faster and more efficiently in any possible task that may be allotted to a rear-end terracing blade. Operation in the field is at your fingertips. Down pressure of the Monroe Lift is adjustable up to 500 pounds. Three-point hitch or unhitch in a single minute. You'll have stabilized, hydraulically controlled operation and top-notch performance.

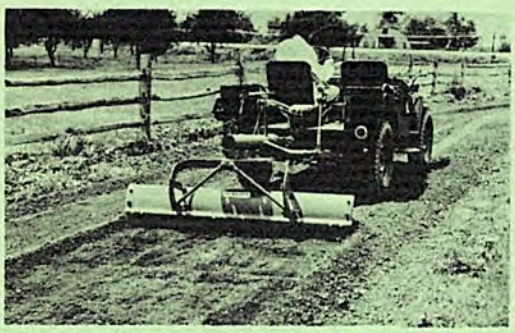
SPECIFICATIONS

High carbon steel blade, 6 ft. long and 3/8 in. thick. Full 360 degree turning radius. Pitch adjustment for ditching or slope cutting. Adjustable angle. Tilt adjustment, raising and lowering controls, and down pressure control on Monroe Lift. Alloy steel turn table spindle. Timken turn table bearing. Shipping Weight, 380 pounds. Newgren stabilizer bars recommended for best operation.

THE NEWGREN COMPANY • BUTLER, PA.

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

PRECISION AND STABILIZED OPERATION



FOR ALL THESE JOBS

Building Terraces	Cleaning Feed Lots
Ditches and Ponds	Grading, Finishing
Road Maintenance	Removing Overburden
Landscaping	Snow Removal

Even a casual inspection of this Stockland Terracing Blade, distributed by Newgren, shows you its business-like design and sturdy construction. The strong, tubular mounting, the easily accessible adjustments, and the heavy-duty blade give you stamina and durability that are as outstanding as the performance obtained with the Jeep equipped with the Monroe Hydraulic Lift.

Thanks to this motive power and method of control, the Newgren terracing blade has controlled penetration as well as raising and lowering at your finger tips. With the Jeep and Lift, the blade may be operated in corners and other "hard-to-get-at" places, and its usefulness extends to any job where surfaces are to be smoothed, scraped or cleaned. In practically all farm or field work, faster speeds are possible with the Jeep than with any ordinary tractor. You can switch from the terracer to any other implement in a few minutes and lose no time in getting back to the field.

HINTS FOR GOOD TERRACE BUILDING

Build outlet channel before beginning terrace. Make an outline guide for first cut by placing stakes at upper edge, and make a light first cut, starting from the outlet channel end to aid drainage in event of rain during construction. Do not attempt to cut too deep or too wide. This will eliminate excessive loose dirt. Move dirt onto the ridge in thin layers and not into large, unwieldy piles. Do not try to dig a deep channel in one pass. More trips with smaller cuts but at a higher speed will build a better terrace faster.

The Newgren Company reserves the right to change specifications and design without incurring obligation.

THE NEWGREN COMPANY

Engineers and Distributors of Farm-Tested Implements

BUTLER, PENNSYLVANIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.

LIFT-TYPE HYDRO-GRADER AND TERRACER

HYDRAULIC FLEXIBILITY FOR 101 ROAD AND FARM JOBS

Farm Tested

INCLUDING

GRADING AND RESHAPING
ROAD CONDITIONING
LEVELING AND SLOPING
HOLE AND DITCH FILLING
GENERAL MAINTENANCE
DITCHING AND IRRIGATION
MAKING TERRACES
LANDSCAPING
MAKING ANGLE CUTS
MAKING DIKES
—and many others

ALL WITH ONE MAN

FULL RANGE OF OPERATION AT YOUR FINGERTIPS

Add all the features of this Newgren implement built by Stockland to the four-wheel-drive traction of the Jeep and the touch control and down pressure of the Monroe Hydraulic Lift, and you have a complete unit that will accomplish a multitude of road and farm jobs—quickly, easily and economically with but one man to do the full job.

With a full range of cutting and leveling angles, suction pitch and other adjustments, the rigid 8-foot blade has a detachable high carbon steel cutting edge. Yet no gears or hand wheels are needed for raising and lowering. Instead the entire blade and circle assembly, fixed to the frame, are operated by the Monroe Hydraulic Lift which, at a finger touch of the driver, raises and lowers the implement, giving down pressure that is adjustable up to 500 pounds, whenever needed.

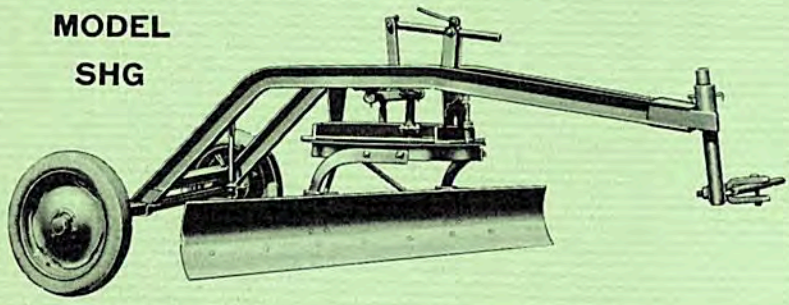
NEWGREN
THE NEWGREN COMPANY • BUTLER, PA.

Farm Implements Especially "Tailored" for Use with the Jeep Equipped with the Monroe Hydraulic Lift

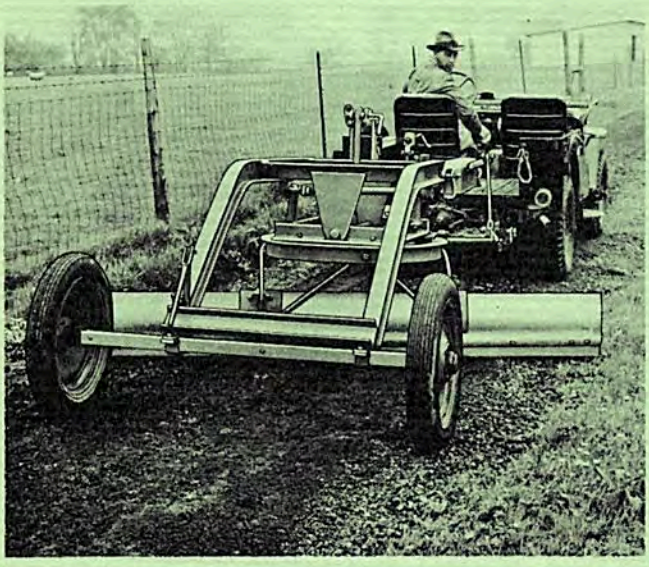
Newgren implements also may be used with tractors equipped with three-point hitch hydraulic systems

THE NEWGREN COMPANY • BUTLER, PA.

MODEL
SHG



NEW EFFICIENCY
WITH THE JEEP AND
MONROE
HYDRAULIC LIFT



Grading county road (left) and making field terrace (right) with the Newgren-distributed hydro-grader and terracer.

FEATURES AND SPECIFICATIONS

GRADER FRAME is built of angle and I-beam steel, welded and hot riveted.

CIRCLE ASSEMBLY is strong and well braced, equipped with ball and socket bearings and alemite grease fittings.

BLADE is ⅜ in. thick and has detachable high carbon steel cutting edge, with highway standard punching.

AXLE is 2-inch square high carbon steel, has mechanical lateral shift with a range of 25 inches.

WHEELS are equipped with Timkin roller bearings and pneumatic tires 4.00 x 18.

DRAWBAR has lateral and vertical adjustment with a chain control which limits the depth of the blade.

ADJUSTMENT OF BLADE is positive and very rigid. Instead of gears and hand wheels common to pull type graders, the blade and circle assembly of the Hydro-Grader are fixed to the frame and the blade is raised and lowered by the Monroe Hydraulic Lift on the Jeep.

EIGHT-FOOT BLADE standard equipment, fully adjustable to all operating positions. Grader weighs 1,200 pounds. Ballast box on rear axle (available as extra) will hold 300 pounds of sand, giving operating weight of 1,500 pounds.

GRADER ATTACHED OR DETACHED IN 1 MINUTE to three-point linkage of Monroe Lift.

The Newgren Company reserves the right to change specifications and design without incurring obligation.

THE NEWGREN COMPANY

Engineers and Distributors of Farm-Tested Implements

BUTLER, PENNSYLVANIA

For Orders Outside Territorial U. S. A. Send Inquiries to WILLYS-OVERLAND EXPORT Corp., Toledo 1, Ohio.