

New Products



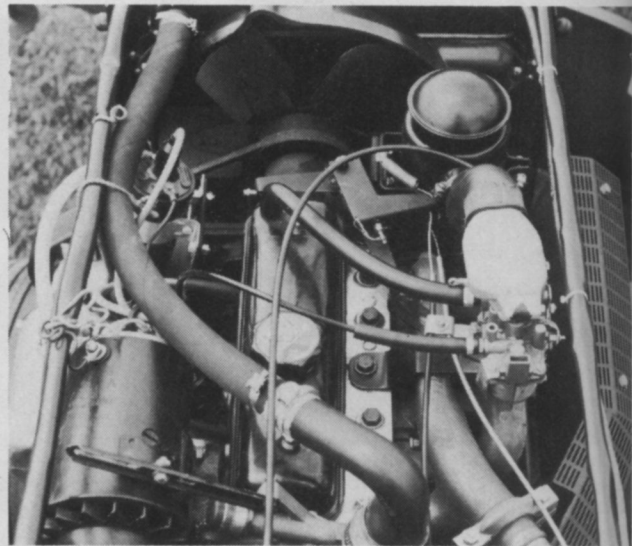
D-250 with 60 in. mid-mounted rotary mower.

One of the new products featured at the Las Vegas Garden Industry of America Show was a different approach to the under-20 HP tractor. Wheel Horse Products, Inc., South Bend, Indiana, introduced their D-250 "Garden Tractor" at a special press preview the evening preceding the show.

This four-cylinder power plant sports a 19.9 HP, liquid-cooled engine — a governed-back version of a European manufactured automotive engine. The engine was originally rated at 40 HP operating a 5000 RPMs. But in order to skirt new safety standards such as ROPS, Wheel Horse dropped the RPMs to 3000

and rated the engine a conservative 19.9 HP. The results, according to the manufacturer, will be longer engine life from less wear and lower operating temperatures.

This automotive-powered tractor also carries an automotive price tag. And we'll be surprised if Wheel Horse is able to capture a large enough share of the consumer market to keep this unit out of the commercial field. Commercial turfgrass maintenance markets hold a solid potential for a unit of this caliber. The D-250 is a compact, solidly built unit — the type an operator can ride all day without fatigue. It even features a hydraulically



Here's the four-cylinder liquid cooled engine.

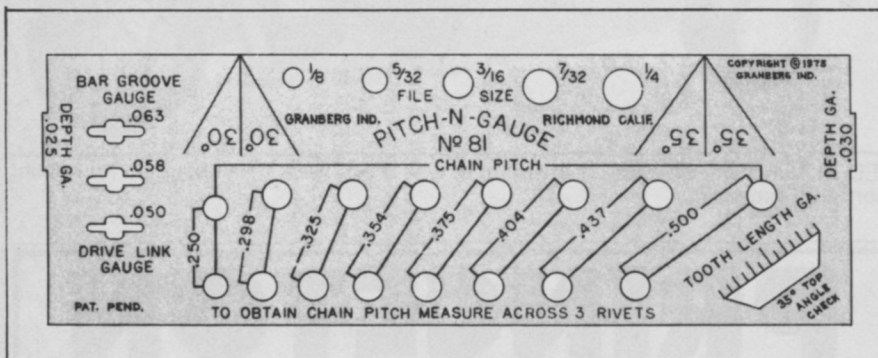
dampened, weight adjustable seat.

Other features of the German-crafted unit are triple PTO's, front, mid and rear, an automotive-type disc clutch coupled to a 10-speed transaxle, and twin headlights and taillights. A mid-mounted 60-inch rotary mower and soon-to-be-available commercial-grade snow thrower and tractor cab should make this versatile unit a natural for the industrial and commercial turf markets.

Circle 701 on free information card.

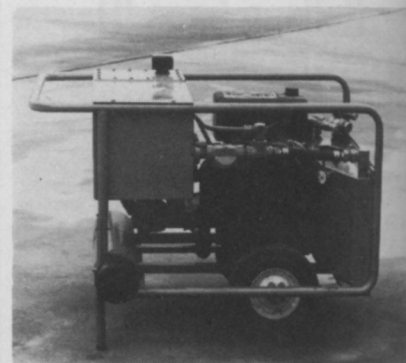
POWER PACK: A portable hydraulic power plant featuring an eight HP, one cylinder, four cycle, air cooled engine. Hydraulically powered pruners and chain saws, circular saws and other tools are easy for one man to handle, according to Causco Inc. The company suggests teaming the power/pack with Stanley Hydraulic Tools and not only keep trees and shrubs in better shape, but complete operations in half the normal time.

Circle 703 on the free information card.



CHECK TOOL: Granberg Industries says this tool measures all you could want to know about any saw chain. There are eight different measurement checks on a single handy tool. Bar groove gauge check, drive link gauge check, eight different chain pitch sizes from one-quarter in. to one-half in., and a tooth length check. There are two different filing angle checks; for 30 degree and 35 degree angles. And there are checks for five file sizes from one-eighth in. to one-quarter in. along with a depth gauge check. The check tool is produced in flexible laminated plastic making calibrations permanent.

Circle 702 on free information card.



WEEDS TREES and TURF



BIG JOHN: May Manufacturing Co. claims that this tree transplanter will move up to 10 in. trees with a 7,000 lb. root ball. The unit opens wide for wide-spread trees and shrubs. Blade travel is reported to be 63 in.

Circle 704 on free information card.



QUARTER HORSE: According to Promark Products Corp., this unit has a sturdy four cycle engine available in either 10 HP or 14 HP and a "Torque Sensitive" type of automatic transmission. It will pull mowers, sprayers, rollers and ball pickers; go up steep hills; carry sand, fertilizer and men.

Circle 705 on free information card.



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Circle 105 on free information card

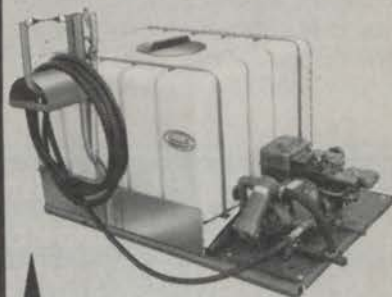


WINDER-UPPER: Pac-Craft Products says their E-Z Roller hose winder-upper has a power train capable of exerting 800 lbs. of pulling strength. The unit can be trailer mounted or truck mounted.

Circle 706 on free information card.

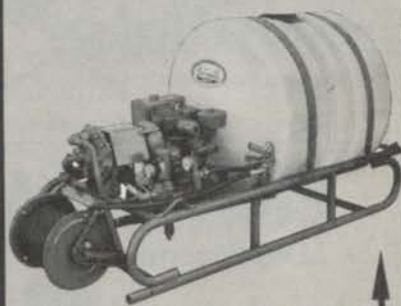


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PUMP: Stanley Hydraulic Tools introduces this lightweight sump pump, six in. in diameter. The self-priming pump is 16 in. high, weighs 20 lbs., and is capable of delivering more than 300 gpm with a 10 ft. head, according to the manufacturer.

Circle 707 on free information card.



DUMP BED: Topeka Metal Specialties claims this "Strong Boy" hydraulic dump bed can hoist three tons and haul 52 bushels (65 cu. ft.). Optional side boards increase capacity to 87 bushels. This reinforced unit weighs 700 lbs. The unit features a twin cylinder hydraulic lift, 14 gauge steel body, and double-hinged tail gate. It comes equipped with 9 x 12 in. sliding gate and spreader chains.

Circle 708 on free information card.

PENETRANT: This specialized liquid formulation hastens the downward movement of water, promotes passage of water through thatch, heavily compacted soil, and subsurface layers. Motomco, Inc., product manufacturer, claims that the increased water penetration aids the decomposition of thatch by encouraging microbiological activity which reduces the need for mechanical aerification. According to the manufacturer, it also improves root absorption of systemics by carrying solutions down to the roots faster.

Circle 709 on free information card.



WHOLE TREE CHIPPER: Strong Manufacturing Co., says this unit will take full length trees up to 17 in. in diameter and reduce them to uniform chips. The chipper is 21 ft. long, 8 ft. wide and weighs 15,600 lbs. Powered by a small diesel engine, it can produce approx. 25 tons of chips per hour.

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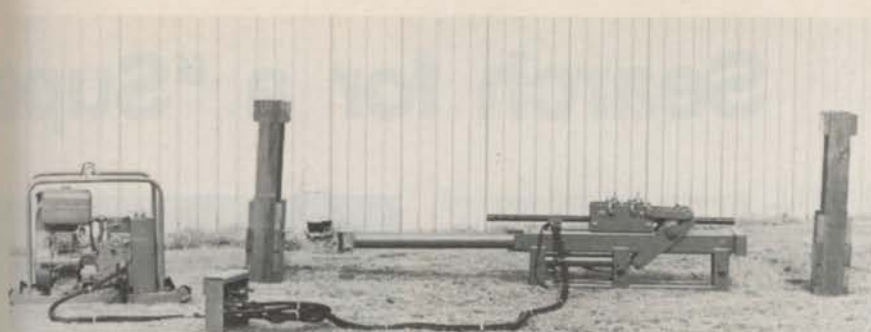


HERCULES
INCORPORATED

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Wilmington, Delaware 19899

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Circle 104 on free information card



PUSHER: Ditch Witch introduces this new soil compression type horizontal tunneling machine with a companion portable hydraulic power unit — the 312 Pusher and Power Pac 12. Ditch Witch claims the Pusher is capable of forming tunnels from 3-12 in. in diameter under roadways and other obstructions where trenching or plowing cannot be done. Its double acting drive rod cylinders provide up to 35,000 lbs. of rod force at its recommended operating pressure of 2,000 psi. When used with the optional Power Pac hydraulic power unit, it does not tie up other expensive hydraulic sources. Power Pac 12 utilizes a 12 HP air-cooled gasoline industrial engine to provide hydraulic power up to 2,000 psi for use with the Pusher or a variety of other hydraulic tools. It is housed in a compact, sturdy steel tube frame on skid mounts for ease of transport. Hydraulic connectors are "quick coupler" type for ease and speed in set-up or dismantling.

Circle 711 on free information card.

IRRIGATION HOSE: Acme-Hamilton Manufacturing Corp., designed the Heliflex L for drip-type application. It is light in weight and rated for moderate pressures, according to the manufacturer. It is available in standard 300 ft. lengths and in sizes up to 6 in. ID. Black Crown hose is designed for use as a flexible supply for travelling irrigation systems. It is black, longitudinally ribbed PVC blended hose reinforced with high tensile polyester yarns. Manufacturer says the reinforcement gives the hose extraordinary end pull strength that allows it to be dragged constantly while under pressure and full of water. Black Crown is rated at 150 psi.

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TRACTOR: A new 40 HP Model 5040 manufactured by Allis-Chalmers Corp. is designed as an economical tractor with enough power and versatility to perform the toughest field job successfully. A dual range transmission is standard.

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