

USE IT TO CUT, HEAT OR BRAZE

Cutting Torch Burns Gasoline

An all-purpose cutting torch that burns any grade of gasoline, leaded or unleaded, just as it comes out of the can or pump is new from Petrogen, Richmond, Calif.

"Being able to burn gasoline can reduce fuel costs 95%," Jack Stites, a national distributor of the new Petrogen torch, told FARM SHOW. "One gallon of gasoline does the work of 100 cu. ft. of acetylene." He cites the following additional advantages for gasoline over acetylene:

"Gasoline is lighter — a 2 gal. Petrogen tank weighs 25 lbs., versus 240 lbs. for a full WK cylinder of acetylene."

"Gasoline is safer. It can't explode on shock and won't backfire in the Petrogen torch."

Stites notes that the Petrogen torch can cut, heat and braze but it does not weld. "Tubular baffles in the tip carry the liquid gasoline to the heat area where the gasoline is vaporized. The vapor then expands through the tip grooves out into the burning area for ignition. The vaporization process keeps the head and tip cool, explains Stites.

The new-style torch blows holes through 6 in. steel at a penetration rate of 1 in. per second without preheating. Cuts through dirt and rust without the usual backfiring, popping and sparks scattering, and without ignition, says Stites.

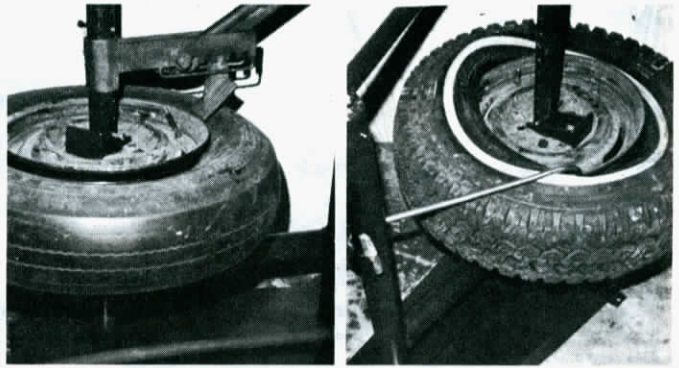


Petrogen torch uses gasoline instead of acetylene or propane.

The "standard package" Petrogen torch includes a 20 in. torch with swivel head, two cutting tips, a 2.5 gal. gas tank, 25 feet of oxygen hose and two cutting tips.

Suggested retail is \$465, f-o-b.

For more details, contact: FARM SHOW Followup, Wholesale Building Products, Nashville Highway, Cookeville, Tenn. 38501 (ph. 615-526-2107).



Specially-designed fulcrum provides extra leverage for breaking stubborn beads.

HANDLES RIMS UP TO 17 IN.

Build Your Own Tire Changer

"Most any farmer, 4-H'er or FFA'er with average welding ability should be able to put one of these together without any trouble," says William Vandenberg, Scranton, N. Dak. Instead of manufacturing the new tire changer he invented and had patented, he has decided to sell plans so interested do-it-yourselfers can build their own. For \$6.00 he'll send you a complete set of plans and a patent release for one rim tire changer.

This new-style tire changer uses a crank and sprocket to increase leverage in both removing and mounting tires on drop-center rims of various

sizes up to 17 in. dia. It also features a bead breaker that moves the fulcrum closer to the edge of the rim, thus greatly multiplying leverage in breaking the bead. Another feature is that it does not need to be bolted down to the floor. A 2 x 3 in. piece of 1/2 in. plywood provides plenty of base, explains Vandenberg. He adds that all materials used in construction are readily available around most farmsteads.

For more details, contact: FARM SHOW Followup, William Vandenberg, Scranton, N. Dak. 58653 (ph. 701-275-6122).

HAS NO APRON, CHAINS OR SPROCKETS

All-Hydraulic Manure Spreader

"It's one of the few spreaders that will handle everything from sludge to frozen or solid manure," says a spokesman for Harco Products, Stratford, Wis., manufacturer of a new "apronless" hydraulic-powered manure spreader.

Hydraulics replace the usual apron, chains, gears and sprockets found on conventional spreaders. A hydraulic motor drives the drum beater, thus eliminating drive chains. The completely self-contained hydraulic system runs off the tractor's PTO, eliminating the need for special hydraulic attachments on the tractor.

"This system provides maximum power for unloading, even with the tractor standing still," the manufacturer points out. The drip-proof tail section needs no gap for chain travel, thus making the spreader tight for handling sludge. Adjustable hydraulic control meters discharge of material. Even frozen or solid manure can be evenly spread by the hydraulic drum beater.

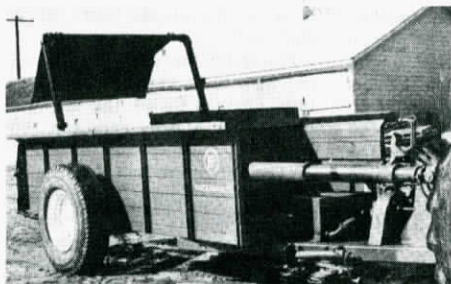
The tail section (containing the beater and hydraulic motor) can easily be removed, leaving only the end gate. This allows the user to haul other materials and discharge them with ease using the moldboard, the manufacturer explains.

Model 240 is rated at 240 bu. capac-

ity. Inside box dimensions are 31 in. high, 136 in. long, and 60 in. wide. Height (with 10.00 by 20 tires) from top of the box to ground level is 52 in. Also available are a 340 bu. model and a just-introduced 180 bu. model. Suggested retail is \$4,750 for the Model 240, and right at \$5,600 for the

model 340 which holds 340 bu.

For more details, contact: FARM SHOW Followup, Harco Products Mfg., Box 218A, Stratford, Wis. 54484 (ph. 715-687-2321).



Hydraulically-driven push ram replaces conventional apron and chain to move manure out the tail section.

