

USES TRACTOR HYDRAULICS

New Tool Installs, Removes Steel Posts

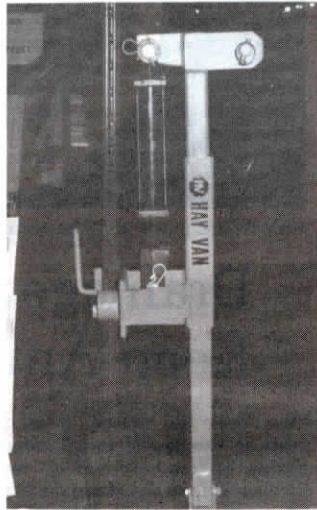
You can make fence building a lot easier with the new "Post Setter" from Hay Van Mfg. that uses your tractor's hydraulics to install and remove steel "T" posts.

The tool attaches to the tractor with the bottom fitting on the tractor drawbar and the top to the 3-pt. top link. To push in a post, you manually clamp the tool's eccentric latch onto the post, positioning it over one of the wire-fastening pegs. Then, by extending the hydraulic cylinder arm, the post is pushed into the ground. To remove a post, you position the latch near the bottom of the post and retract the cylinder.

"It works best to have two people working with the Post Setter. One to drive the tractor along the fence row and the second to work the steel posts and Post Setter," explains a company spokesman.

With its special pivoting linkage, and by swinging the tractor drawbar, the Post Setter can set posts straight up and down — even on sidehills. It takes one to two strokes of the cylinder to install a post. You can use an 8, 10 or 12-in. hydraulic cylinder.

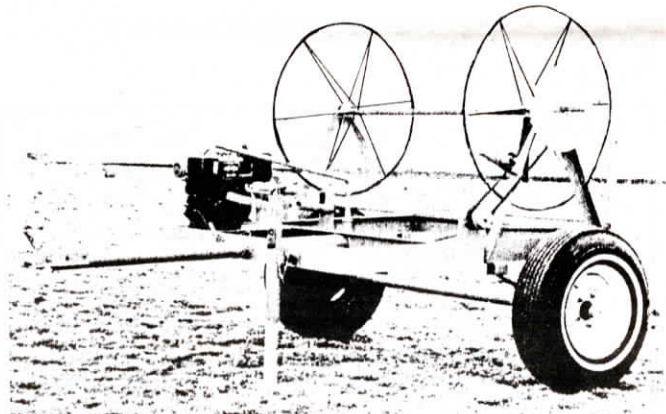
Post Setter sells for \$219, without



Steel posts clamp quickly to unit.

the cylinder.

For more information, contact: FARM SHOW Followup, Hay Van Co., 10520 Plano Road, Suite 206, Dallas, Tex., 75238 (ph 214 341-9833).



Wire roller's equipped with its own 8-hp engine.

FOR "BIG COUNTRY" FENCING

King-Size Fence Roller Holds 23 Miles Of Wire

If you've got big country to fence in a hurry, you'll like this new wire roller that stores more than 23 miles of smooth wire (or 12 miles of barbed wire) for quick retrieval, or to help fence pastures or harvested ground for winter grazing.

"No more wasted time changing spools after a few miles of wire and no more ruined axle gears from spooling with a pickup," says manufacturer Tom Thrall, Felt, Okla. The wire roller has its own 8-hp. Briggs and Stratton engine channelled through a

2-speed gear reduction drive to the spool. Because the loaded wire spool weighs nearly 4,000 lbs., the heavy-duty wire roller frame is outfitted with 15-in. tires. The spool mounts permanently on the frame. A split spool is available for keeping smooth and barbed wire separate.

The wire roller sells for \$1,450.

For more information, contact: FARM SHOW Followup, Tom Thrall, Double T Manufacturing, P.O. Box 45A, Felt, Okla. 73937 (ph 405 426-2480).



Belts driven by rear mower tires power new bean rider.

EASY HOOKUP WITH NO MODIFICATION

Your Mower Powers This New Bean Rider

Power for this new bean spot sprayer comes from your lawn and garden tractor which mounts on the frame and belt-drives the sprayer using V-belts driven by the rear tractor wheels.

"I figured everyone has a lawn tractor so why not use it?" says inventor Jim Miller who at one time worked for a manufacturer of high-boy tractors and now manufactures the new high-clearance spot sprayer.

The sprayer frame has 40 in. of clearance and is 80 in. wide at its widest. Fitted with two outrigger seats, it can be used to spot spray 12 30-in. rows at once, or 9 40-in. rows. The frame can be narrowed-up to adapt to row spacing.

The mower or garden tractor — it requires about 7 hp. minimum — is simply hoisted up onto the frame. Miller says you can use a chain hoist tied to a tree or rafter. The mower deck must be removed. The front wheels are disconnected and the steering rods connected to the bean rider, a process that takes just minutes. Then, the double-V drive belts are put in place over the rear

drive wheels and you're ready to go. The drive belts power a jack shaft that turns a sprocket that chain-drives the rear wheels of the sprayer.

"Once connected, everything operates as it normally would, including the forward and reverse gears," explains Miller.

The bean sprayer is fitted with a self-steer disc assembly for no-hands steering. Two outrigger seats carry two other spot-spray operators. Miller notes that height of the frame can be custom-built for more clearance, if needed.

Miller recommends the high clearance sprayer for farmers who own front-ride lawn mowers rather than tractor style garden tractors with a rear seat. Tractor-style mowers work fine but visibility is poor, making it difficult to spray from that position.

The new high-clearance, mower-powered sprayer sells for \$1,974.

For more information, contact: FARM SHOW Followup, Jim Miller, Miller Manufactured Systems, P.O. Box 1685, Plainview, Tex. 79073 (ph 806 293-1304).

CYLINDERS AND PISTONS ROTATE

First Rotary Diesel

You've never seen anything like this recently patented rotary diesel engine. According to inventor Nolan F. Haynes, Millwood, W. Va., it would be ideal for farm tractors and other self-propelled equipment.

"It has a longer power stroke so it develops more torque than conventional engines," says Haynes. "It's also much more efficient because, among other things, the engine is totally aspirated. It's the first true rotary engine."

The engine consists of 5 rotating, equally-spaced cylinders mounted on a central hub above four equally spaced pistons mounted on the driveshaft which spin in the opposite direction. The round ball-shaped

pistons enter the cylinders like the mesh of two gears and, as they're blown out by the explosion of fuel, drive the crankshaft.

Haynes points out that each cylinder is totally aspirated when the piston leaves it so that unburned fuel is not left in the cylinders, which increases efficiency and lengthens engine life.

The new rotary is not yet on the market. Haynes is working with manufacturers interested in the design.

For more information, contact: FARM SHOW Followup, Nolan F. Haynes, Box 121, Ripley Landing Rd., Millwood, W. Va. 25262 (ph 304 273-5764).