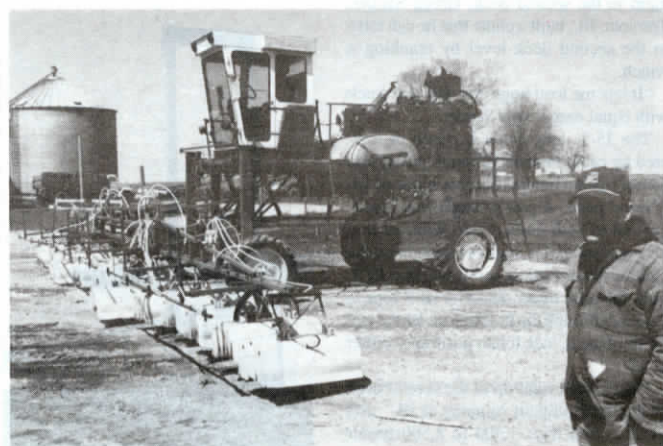


Made It Myself

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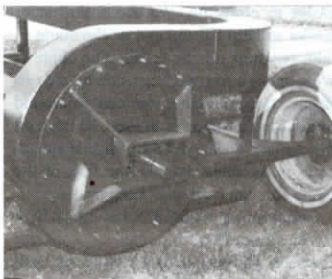


Pto-Driven Water Pump Keeps Tractor High And Dry

Calvin Nordberg, South Haven, Minn., built a 2-wheeled, pto-driven pump last winter for a contractor who uses it to fill water-hauling trucks with water from ponds, creeks, and lakes.

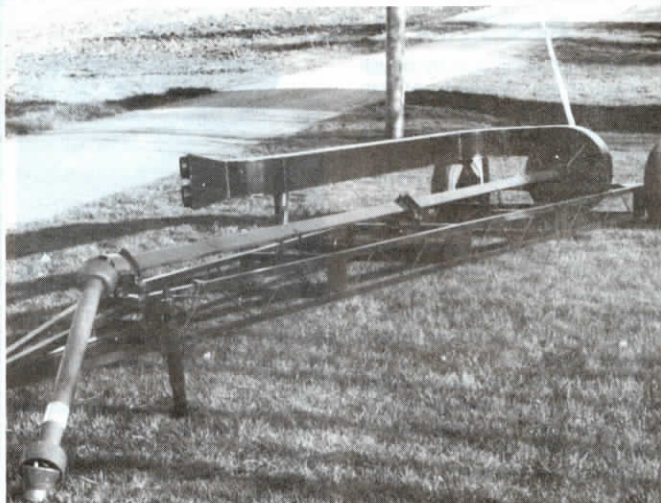
"The pump is 20 ft. long so it can be backed down into the water without getting the tractor wet," says Nordberg.

He used a round steel plate equipped with vanes on both sides to make the impeller which is driven by a long, shielded pto shaft. The impeller draws water in from both sides through two 6-in. dia. openings. Water is discharged down a 6 by 8-in. outlet to two 4-in. dia. openings which accommodate 4-in. dia. hoses. The bearings on each side of the pump are self-aligning and made from a plastic



material that isn't affected by water.

Contact: FARM SHOW Followup, Calvin Nordberg, 7985 Osborn Ave. N.W., South Haven, Minn. 55382).



Ridge-Till Sprayer Built From Salvaged Parts

By C.F. Marley

Tom Belton, Indianola, Ill., took parts from a variety of machines to come up with this one-of-a-kind self-propelled sprayer for ridges. He raises both corn and soybeans on ridges.

The main frame is from an old hi-boy sprayer. He fitted it with a Perkins 318 4-cyl. engine salvaged from a Massey Ferguson Super 90. The sprayer has a 3-speed transmission hooked to a hydrostatic drive from a Deere combine. The engine shaft-drives the hydrostatic drive.

The cab came off an IH 815 combine. It's air conditioned.

The sprayer's fitted with tractor-type saddle tanks and carries a total of 400 gal. The 16-row boom was built from scratch and folds hydraulically. It's equipped with Red Ball spray hoods for banding chemicals. They make it possible to operate in windy conditions.

Contact: FARM SHOW Followup, Tom Belton, Indianola, Ill. 61850 (ph 217 733-2396).



"Star Wheel" Aerator Leaves No Plugs

"It does a good job of aeration without leaving any plugs on top of the soil," says Harvey Melcher, Friendswood, Texas, who used parts off a small tandem disk to build his own 3-pt. "star wheel" aerator that slices through sod.

Melcher does custom groundskeeping work on local softball and soccer fields and golf driving ranges. When he was asked to aerate fields, he looked at commercial aerators but found them too expensive so he decided to build his own. He bought a new 6 1/2-ft. wide tandem disk from a local manufacturer for \$475 and remounted the disc gang on a 12-in. wide, 8-ft. long steel I-beam laid on its side. He removed the discs and replaced them with 3-pointed, 17-in. dia. "star wheels" that he cut out of 5/8-in. thick steel plate. A hand grinder was used to sharpen each point.

"I use a 28 hp Deere tractor to pull it. The legs are curved at an angle so they pull straight out of the soil cleanly without kick-

ing any soil up on top. You can hardly even tell where I've used it. Golf driving ranges really like it because when they pick up golf balls they don't have to worry about plugs getting mixed in. I've also used it on my own pasture. A Deere aerator of comparable size sells for almost \$3,000 and doesn't do as good a job."

Melcher made a 3-pt. hitch for the aerator out of a piece of steel tubing that pins to the top link of the tractor 3-pt. and two pieces of heavy angle iron that bolt directly to the I-beam. They pin to the lower arms on the 3-pt. The aerator is very top heavy, so to keep it from falling forward when not in use Melcher made a telescoping stand that slips up into the center hitch tubes.

Contact: FARM SHOW Followup, Harvey Melcher, 71 El Dorado, Friendswood, Texas 77546 (ph 713 482-2493).



"Rotary Hoe" Bale Unroller

"Now I can unroll bales with either my pickup or tractor," says Linden Wolf, Liberal, Mo., who came up with a simple bale unroller that he mounts on the front of both his pickup and tractor.

To make each unroller, he simply used a gang of rotary hoe wheels off a Deere rotary hoe. "I cut the spike teeth off so just the rollers are left. There are seven 10-in. wheels on each with a bearing at

each end. I bolted one to the bumper on front of my pick and the other to the front of my tractor. I have bale carriers on back of both so I can feed bales out with either one regardless of weather. I just cut the strings and push the bale to unroll it."

Contact: FARM SHOW Followup, Linden Wolf, 699 W. 160 Hwy., Liberal, Mo. 64762 (ph 417 682-2078).