



Tile plow pulls behind wheeled carrier made out of combine axle.

MAKES IT EASIER TO MAINTAIN PROPER DEPTH CONTROL

New Way To Handle Tractor Tile Plow

Instead of mounting a tractor-pulled tiler on their tractor 3-pt., several farmers in Iowa and Minnesota have recently tried pulling their plows behind wheeled carriers made out of combine axles.

"No one can believe how well it works, even guys who've put in many miles of tile with their own tractor-mounted tilers," says Don Wurdinger, manufacturer of the Farm Drainage Tile Plow. One of his customers, Mike Brekke of Hartland, Minn., was the first to try the idea and Wurdinger now offers a tow-behind tile puller as an option.

Brekke bought a Farm Drainage Tile Plow in 1993 and soon got the idea of pulling it behind a tow-behind cart. He says the arrangement allows the tractor to move up and down - depending on how hard it's pulling - while the towed plow maintains a constant level pull. Brekke uses a laser lev-

eler in conjunction with his plow.

Another southern Minnesota farmer, Ted Hellier, also converted his tile plow to pull-type. After putting in 40,000 ft. of tile last fall with the set up, he says he wouldn't do it any other way.

Several other farmers have made the same conversion so Wurdinger has now built a pull-type axle to offer as an option. He installed a threaded rod on top and bottom to make it easy to adjust the pitch on the tiler boot.

"It works especially well for farmers who want to use a large 4-WD to put in tile since they often don't have a 3-pt. hitch on the tractor," says Wurdinger.

Contact: FARM SHOW Followup, Don Wurdinger, Farm Drainage Plows, 909 4th St. N.W., Waverly, Iowa 50677 (ph 319 352-3911).

UNROLLS UP TO FIVE STRANDS OF BARBED WIRE AT A TIME WITH NO TANGLING

5-Strand Wire Unroller

Stringing a fence full of barbed wire is easier and fast with this new "Wire Wagon" that lets one person unroll five strands of barbed wire at a time, says inventor Lloyd Babcock.

The 2-wheeled trailer is equipped with a ball hitch so it can be pulled with a tractor or pickup. It has five compartments in back - three on top and two on bottom - each holding a spool of barbed wire. A system of telescoping guides on the wagon, and specially designed hooked pins that go in the ground, are used to keep the strands of wire about 2 ft. apart as they're unrolled.

"There's friction on the spools so that when you stop driving, the wires stop unrolling. There's always tension on the wires so they stay flat on the ground and don't get tangled," says Babcock. "You can go up to 8 mph without worrying about the wires overlapping. If a wire breaks you'll be safely inside your pickup or riding on a tractor with the Wire Wagon between you and the break in the wire."

The front of the wagon has three storage



Trailer has five compartments - three on top and two on bottom - each holding a spool of barbed wire.

compartments - a large one in the middle for tool storage and two smaller ones that hold up to 10 rolls of 12 1/2 ga. barbed wire. "The tool and wire storage compartments carry enough material (barbed wire, staples, wire clips and tools) to build up to 3/4 mile of fence," notes Babcock.

Sells for \$2,495.

Contact: FARM SHOW Followup, Lloyd Babcock, Wire Wagon, N.A., Inc., Box 3516, Springfield, Mo. 65808 (ph 417 887-7690).



Reinhardt turned an Owatonna swather into a zero-turn 60-in. riding lawn mower by "miniaturizing" it and adding Deutz-Allis belly-mount mower in front.

CUTS 60 IN. WIDE AND COST LESS THAN \$1,000 TO BUILD

Mower Made From Self-Propelled Swather

"It works as good as anything on the market and cost less than \$1,000 to build," says Werner Reinhardt, Didsbury, Alberta, who turned an Owatonna self-propelled swather into a zero-turn 60-in. riding lawn mower by "miniaturizing" it.

Reinhardt paid \$50 to buy the swather from a junk dealer. The mower has the swather's original Wisconsin 4-cyl. air-cooled engine and belt-driven, variable speed transmission. Reinhardt removed the swather frame and moved the drive components closer together, then used 3-in. channel iron to build a narrower frame. He put a piece of 4-in. channel iron across the front. He mounted the transmission as close as possible to the engine and replaced the original drive belt with a shorter one. He mounted a double groove pulley on a shaft between the engine and the pulley that drives the transmission to belt-drive a 90 degree gearbox which in turn belt-drives another shaft that powers the mower blades.

He replaced the swather's dual drive wheels with smaller 22.5 by 7.5 by 12-in. wheels and smaller sprockets (each wheel is chain-driven by a planetary clutch). He also replaced the original rear caster wheel with a smaller 18 by 8.5 by 8-in. caster and used 1 1/2-in. dia. steel shaft to make a new support for it. Two levers in front of the driver's seat, each connected to a planetary

clutch, are used to steer the mower.

He bought a new Deutz-Allis 60-in. belly-mount mower at an auction for \$550. He kept the mower's front caster wheels. However, there wasn't room for the rear caster wheels so he removed them. The mower is supported by 4 braces welded to the front of the swather frame and attached to the top of the mower with two swiveling brackets that Reinhardt made with "eye"-type hitch sockets cut off the ends of a pair of 3-pt. hitch arms. The brackets allow the deck to pivot in any direction.

"It works exactly like the original swather except that the frame is now only 3 1/2-ft. wide, narrow enough so that the wheels don't run over any uncut grass. It has the swather's zero turn radius so it's as maneuverable as anything on the market. I use a lever next to the driver's seat to control an idler pulley that engages the mower. A comparable used riding mower would cost \$6,500 or more and a new one \$8,000 to \$9,000," says Reinhardt, who notes that he recovered the swather seat and gave the entire rig a good paint job using the swather's original colors.

Contact: FARM SHOW Followup, Werner Reinhardt, Site 15, Box 12, Rt. 1, Didsbury, Alberta, Canada TOM 0W0 (ph 403 337-2111).



Two-wheeled trailer has a ball hitch so it can be pulled with tractor or pickup.