

SPECIAL APPLICATOR LIFTS SOIL AND SPREADS LIQUID 6 IN. BELOW SURFACE

New Way To Apply Liquid Fertilizer

Latest new way to apply liquid fertilizer is a new-style applicator that lifts the soil, then spreads the fertilizer in a sheet 6 in. below the soil surface.

The special applicator was designed by the Gigot Brothers, Garden City, Kan. They reasoned several years ago that fertilizer applied ahead of planting would provide more benefit for the crop and save time. But, they didn't want fertilizer tied up by crop residue, explains Terry Gigot, one of five brothers farming together. "We like to leave residue on the surface to protect the soil, and aren't real concerned about having it decompose rapidly."

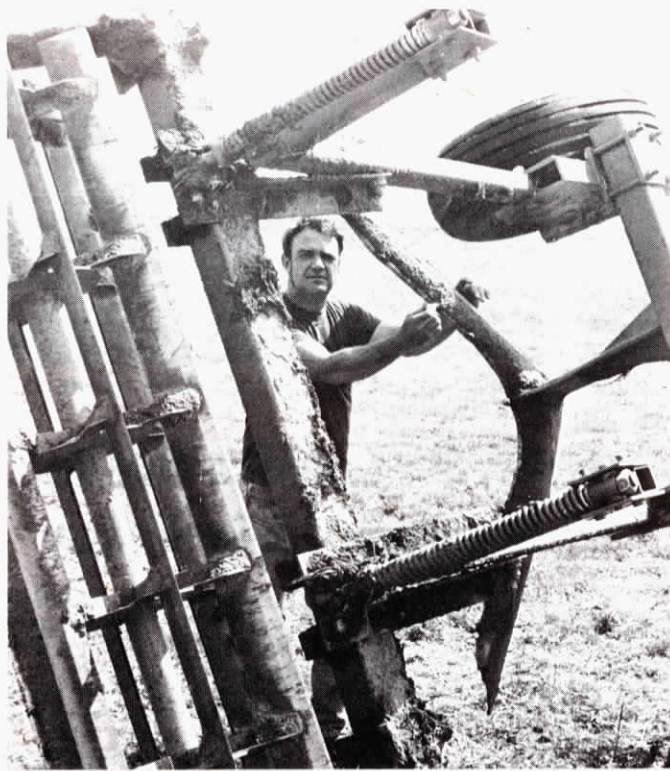
The special applicator the Gigots developed for chisel plows or stubblemulch sweeps applies liquid fertilizer under the surface while leaving as much residue exposed as possible. They use stainless steel tubing and stainless steel floodjet nozzles to apply liquid fertilizer under sweeps, where it is quickly covered with soil. Regular chisel plows with 12 in. shank spacing get one nozzle per sweep. Nozzles are spaced 1 ft. apart on each of the 5-6 ft. sweeps on stubblemulch plows. Spe-

cial bands hold tubing and nozzles in place so there's no welding done on the sweeps themselves. Tubing and brackets are clamped to the shanks and frame as needed for support.

Says Terry, "We don't expose fertilizer to the surface residue at all because fertilizer tied up in residue is wasted. Sometimes, if there's a residue accumulation, we'll put on some extra nitrogen to speed decomposition. But, we don't count that as part of the fertilizer for the next crop. If there's some carryover, that's fine. Also, we now apply fertilizer as close to planting as possible. If it's in the ground a few days before planting, nutrients are available by the time the plants need them, especially when you're using liquid fertilizer."

Their system has paid off, too, with 20 bu. higher corn yields where pre-plant fertilizer was sprayed under the soil surface, compared to regular application. Now, all their corn is fertilized this way, plus 20-40 lbs./acre of starter banded on each side of the row at planting.

Liquid fertilizer kits like those developed by the Gigots are available from Maxima Corp., a Garden City fertilizer company owned by the



The Gigots apply liquid fertilizer beneath sweep plows, leaving as much surface residue exposed as possible.

Gigots. Maxima manager, Jerry Doop, says the kits cost about \$200 per stubblemulch sweep, less the pump and depending on sweep size. "We use high quality, thickwall stainless tubing where there's wear, plus stainless steel nozzles. Consequently,

they'll last a long time," Doop points out.

For more information, contact: FARM SHOW Followup, Jerry Doop, Mgr., Maxima Corp., Box 192, Garden City, Kan. 67846 (ph 316 275-7436).

REMOVES SLACK FROM GUY WIRES, FENCES, TRUCK TARP TIEDOWNS

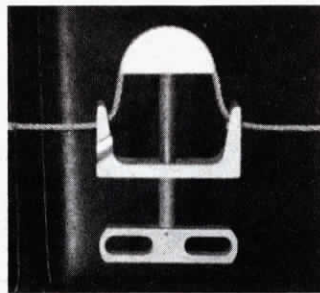
Handy Tool Tightens Rope, Cable, Wire

A California inventor has come up with a new tool for tightening guy wires, cable and electric fences, corner post braces, clothes lines, truck and trailer tiedowns and any other rope, wire or cable that needs to have slack removed.

Called the Ten Press, it's being marketed by Ronald Berg of Berg Sales in 29 Palms, Calif. The tool consists of two cable guides and a screw-type plunger. As a T-handle is screwed out, the plunger extends outward to tighten the rope, wire or cable.

"The Ten Press is quick and easy because you don't have to untie the line. You just snap the Ten Press on and turn the handle until the line has the amount of tension you want. You can move it anytime and reuse it over and over again," explains Berg.

The Ten Press is made of aluminum with the exception of the zinc-coated steel screw. It weighs just 5 oz., yet withstands up to 100 psi of line tension. Any line up to 3/8 in. will



As T-handle is turned out, the plunger tightens the rope, wire or cable.

fit through the guides. Sells for \$5.49. Berg is also selling a heavy-duty model which takes up to 1/2 in. line and has been tested for up to 150 psi. It sells for \$9.95.

For more information, contact: FARM SHOW Followup, Ron Berg, Berg Sales, 73019 Sun Valley Dr., 29 Palms, Calif. 92277 (ph 714 367-2424).

MADE OF CORRUGATED STEEL

Tornado Shelter Also Serves As Fruit Cellar

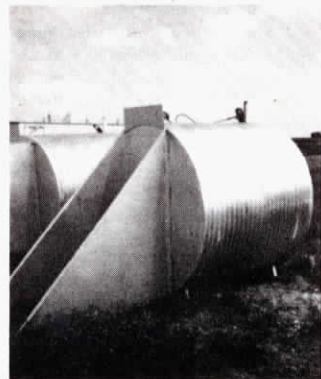
Residents of the nation's "tornado belt" often build concrete structures underground or add a room to a basement or barn for storm protection. A simpler, more economical way to do it may be to install a ready-made steel shelter that you can use as a fruit and vegetable cellar until storms threaten.

George DeMoss, an Iowa builder, manufactures and markets a 16 ga. corrugated steel shelter which is easy to install in a sidehill or completely underground. It's 78 in. in dia. and comes in 6 ft. or 10 ft. lengths. A flat wooden floor and two wooden seats run the length of the shelter.

The shelter has an optional stairway for entering when it's buried under flat ground. A hillside attachment outfits the shelter for sidehills.

DeMoss suggests that the shelter is ideal with a lake home or mobile home. Besides providing emergency shelter, it can be equipped with shelves and used for fruit and vegetable storage.

The 6-ft. shelter is priced at \$1,250,



DeMoss makes both hill and flat-ground versions of his underground tornado shelter.

plus \$400 for the stairway. Prices do not include delivery and setup.

For more information, contact: FARM SHOW Followup, George DeMoss Shelters, 1460 N.E. 56th St., Altoona, Iowa 50009 (ph 515 266-4154).