

FOLLOWS CONTOUR OF THE FIELD INDEPENDENT OF THE TRACTOR

New Style Disc Is Free-Floating

"It does a near perfect job of discing even the hilliest ground," says George A. Carpenter, Jr., Lawrence, Mich., farmer and manufacturer of a new free-floating disc that features a unique front-to-back and side-to-side floating design which allows it to "float" independent of the pulling tractor.

The machine also features slanted disc gangs in place of the V-shaped design found on most machines. The slanted gang design shortens up the machine and means that no matter how wide it is built, the length remains constant.

"There's no other disc on the market with as much flexibility. It flexes in all directions and does as uniform a job going over hills and into low spots as it does on flat ground," says Carpenter.

The new disc can be built in any size from 12 ft. wide and up. The 18-ft. model has three 6-ft. sections, each with two disc gangs. Each outside disc section flexes as much as 18 in. below the horizontal and all the way up to the vertical position for transport.

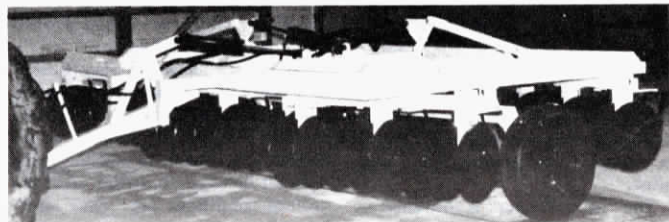
A key feature of the new disc is its completely free-floating tongue. "A frame which holds the tongue to the main frame of the disc releases when the disc is lowered to the ground, allowing the disc to float independ-

ently of the tongue and tractor. The result is that, unlike conventional discs which pull out of the ground when going over a hill, this disc is free to follow the tractor independently. When the disc is raised, the frame again stabilizes on the tongue for transport," explains Carpenter.

All disc gangs are slanted. The front gangs on each section throw dirt one way and the rear gangs throw it the other way. Because the design is uniform on each section, the machine can be built to any width and without getting longer, unlike discs with V-shaped gangs which get longer as they get wider. The disc can be used as a heavy offset disc by lowering it all the way into the ground or as a finishing disc by running it shallower. Carpenter pulls the 18-ft. model with a 125 hp. tractor.

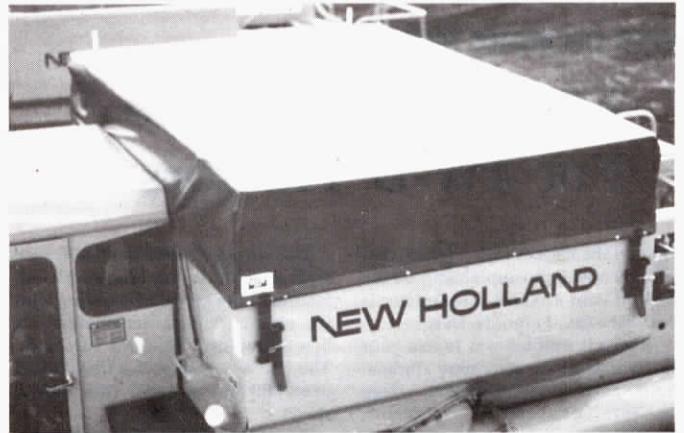
"We have found that even farmers who operate on relatively flat land are interested in the new disc because of its compact design, and because most farms, no matter how level, still have uneven areas," says Carpenter, who has formed a company to build and market the new disc.

For more information, contact: FARM SHOW Followup, George A. Carpenter, Jr., Rt. 2, 42990 CR 681, Lawrence, Mich. 49064 (ph 616 427-5941).



Carpenter's new "hitchless" design allows the tongue to float so disc can follow terrain independent of pulling tractor. Tongue extends from the tractor up under the frame of the disc. A tripod mounted on the tongue is connected to the hydraulic lift cylinder. In the down position, the tongue is free to pivot up and down and from side to side. When pressure is applied by lift cylinder, the tripod traps the tongue tightly against the disc frame, locking it in place.

Carpenter notes that the free floating design substantially lessens amount of wear on discs as machine is able to flex over rocks and other obstacles.



Tear-proof nylon tarps adapt to auger and air conditioner placement.

100% PROTECTION FROM THE ELEMENTS

Combine Grain Hopper Tarps

Weather-tight combine grain hopper tarps that protect grain from the elements and help prevent rust and corrosion in the hopper are new from Midland Mfg., Midland, Man.

Designed to fit most major combine models, the tear-proof tarps are made of 18-oz. vinyl coated nylon that's flame and sun resistant. Individual tarps bolts to the hopper on one side, and fasten with nylon straps to hooks on the other side.

The tarps adapt to auger and air conditioner placement and, except for combine models with monitors in the cab, have windows that can be covered with a flap for checking grain levels on the go.

Support rods made from 3/4 in.

steel, slide into brackets bolted to the hopper frame to support the canvas weight. Individually designed frames, along with tarps, are available for most Deere, International, New Holland and Massey Ferguson combines, including pull types and hoppers with bin extensions. Tarps for other makes and models will soon be available.

Prices range from \$366 (Canadian) for a New Holland TR 95 to \$447 (Canadian) for a Massey Ferguson 860.

For more information, contact: FARM SHOW Followup, Midland Mfg. Ltd., Rosentort, Manitoba, ROG 1W0 (ph 204 746-2348; toll free in Manitoba 800 442-0493).

FITS ALL STANDARD CULTIVATORS

New Row Crop Weeder Levels Between Rows

"Stops erosion and provides better weed kill," say representatives of John Kovar Mfg., Anoka, Minn., the manufacturer of a new attachment that fits any standard cultivator.

The "Row Crop Level Weeder" attaches to the last S-tine or standard cultivator shank in each row, adjusting for row widths of 20 to 40 in.

The Level Weeder rides on top of the ground funneling dirt into the ditch left by the last shank. This levels the area between rows, making harvesting easier and slowing erosion. The weeder also improves weed kill by knocking dirt off weed roots, exposing them to the sun. It also takes out weeds the cultivator shovels may have missed.

The Level Weeder sells for \$19.95.

For more information, contact: FARM SHOW Followup, John R. Kovar Mfg. Co., Inc. 6043 Hwy. 10 N.W., Anoka, Minn. 55305 (ph 612 421-4183).



Level Weeder adjusts to row widths ranging from 20 to 40 in.