



Tractor operator simply keeps rolling steel ball directly over the row to keep cultivator in line.

HELPS KEEP CULTIVATOR IN LINE, EVEN ON HILLSIDES

“Rolling Ball” Indicator Keeps Cultivator On Row

No matter how much side-to-side sway you've got in your 3-pt. cultivator, you'll be able to keep it on row with this easy-to-use new “rolling ball” side draft indicator.

The guidance unit consists simply of a painted steel ball rolling back and forth in a clear liquid inside a clear 1 1/8-in. dia. plastic tube. The device mounts behind the front axle. All you have to do is keep the ball directly over the row to keep your cultivator in line.

Manufacturer Grant Hustad says the unit is adjustable so you can adapt it to your particular cultivator by changing the steep-

ness of the curve in the tube. “Once you set it, it'll keep the cultivator in line on any contour from level ground to the steepest hills. Because it mounts up front, you don't have to look back. Cuts down on operator fatigue and virtually eliminates crop losses,” he told FARM SHOW.

The unit is suspended from an L-shaped frame that attaches to the tractor frame with one bolt. Sells for \$69.95.

For more information, contact: FARM SHOW Followup, Marloo Enterprises, Hwys 29 & 55, P.O. Box 153, Glenwood, Minn. 56334 (ph 612 634-3887).

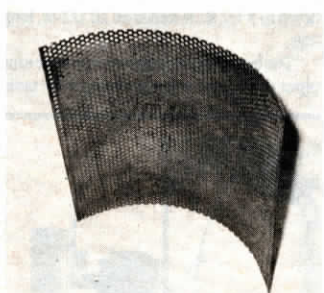
TURNING MAKES 'EM GOOD AS NEW

New Life For Worn Hammermill Screens

Owners of grinder-mixer hammermills can double the life of screens by having them turned to expose a new, sharp edge. “Having them turned costs much less than buying new screens. And turned screens are good as new,” says Elvin Agnew, owner of Agnew Steel & Mfg., Steele, N. Dak.

Agnew, who has been in the “screen turning” business for 15 years, uses a home-made machine to invert the screen on any make or model of grinder-mixer hammermill. He charges \$24, including freight one way (U.S. only). Most new screens cost from \$40 to \$150, depending on size, he points out.

“As grain travels clockwise around the screen, it catches on the holes' sharp edges, than cracks and fall through the holes. If the edges are sharp, the grain goes around only once or twice. However, after time, tumbling grain dulls the hole edges and grain may have to travel around the screen four times or more before it falls through the holes,” Agnew explains. “If you're getting 200 hours of grinding off one side of the screen, we can turn it for \$24 and double its life. In addition to the savings in not having to buy new, there's also a considerable



Agnew uses a home-built machine to invert the screen on any make or model of grinder-mixer hammermill.

savings of time and fuel in using sharp screens.”

Agnew says his screen-turning machine will handle screens up to 4 ft. wide. He notes that screens can't be planed for sharpness because they'd be too thin to endure the pressure on them.

For more information, contact: FARM SHOW Followup, Agnew Steel & Mfg. Co., Box 82, Steele, N. Dak. 58482 (ph 701 475-2867).

BREAKS UP CLOUDS, RIDGES

New Rolling Harrow For Planters, Drills, Cultivators

A new “tag along” rolling harrow for breaking up clods and ridges, and for incorporating chemicals, is catching on fast with both small grain and corn-soybean farmers.

“Farmers who've tried it tell us it works better than a flexible harrow behind a drill, planter or S-tine field cultivator,” says Fred Gilman, of Stoller Inc., Pontiac, Ill., distributor of the new Canadian-built Ber-Vac rolling harrow. “It won't plug in heavy trash and mounts close to the implement without interfering with turning, or with filling of planters or drills. It's built heavy to work in rocky soil and heavy gumbo.”

Standard individual rollers are 5 ft. long (45 and 40 in widths also available), 10.5 in. in dia. and equipped with 8 blades (each 1/4 in. thick and 1-1/4 in. wide). “The rollers work in egg-beater fashion to break up clods and toss the soil up so fine particles come down first to seal in moisture and speed germination. The small clods that are left, because they're thrown higher, come down on top to hold the soil down, leaving a nice firm seedbed to resist wind erosion,” explains Gilman.

He notes that single rollers are generally sufficient behind a planter or drill. For use behind field cultivators in heavy trash, Ber-Vac makes a double oscillating roller in 60, 40 and 20 in. widths. Both rollers flex to keep in contact with the soil surface, even on rolling or uneven ground.

The rollers on both single and double units are equipped with hand-adjust tension



Ber-Vac rolling harrow “won't plug in heavy trash and mounts close to the implement without interfering with turning”.

springs and come with bolt-on brackets to fit 3 by 3, 3 by 4, 4 by 4, or 4 by 6 in. frames. Individual 5 ft. wide rolling harrows, with 3 support arms and mounting brackets, sell for right at \$450 (U.S.).

For more information, contact: FARM SHOW Followup, Stoller's Inc., Rt. 3, Pontiac, Ill. 61764 (ph 815 844-3668, or 6197).

In Canada, contact: Ber-Vac, 2835 Chemin de L'Aéroport, Thetford-Mines, Que., G6F 5R7 (ph 418 338-6153).

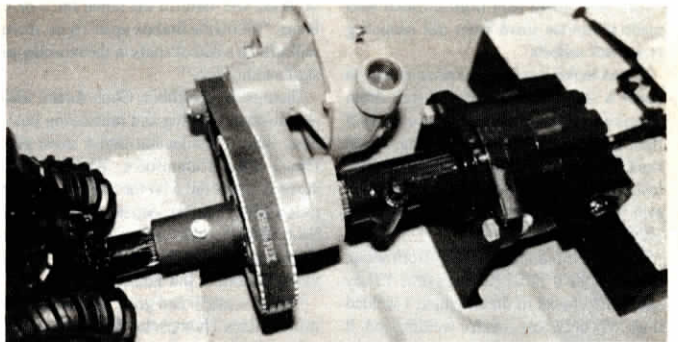


Table top model illustrates how pto “Extender” mounts between tractor pto and planter hydraulic motor. Offset spray pump is belt-driven.

ELIMINATES NEED FOR HYDRAULIC-DRIVEN SPRAY PUMP

Pto “Extender” Drives Both Planter, Sprayer

“Our new Power Extender is designed for farmers who want to apply chemicals and plant at the same time without the use of a hydraulic-driven spray pump,” says Todd Pralle, Dycom, Inc., inventor of a new pump that couples directly to the tractor pto.

The Power Extender pump has a “through shaft” design that allows easy hookup of a pto-driven planter. The pump is positioned off to one side and belt-driven by a pulley on the pto shaft. Thus a trailing pto-powered planter can be driven directly by the pto.

Pralle says elimination of the hydraulic-

driven spray pump has several benefits. “Less tractor horsepower is required, there's less wear and tear on the hydraulic system, it frees up hydraulic outlets, and this system costs less to purchase and run.”

The Power Extender adapts to International and Case/IH Cyclo planters, and White Farm Equipment planters. Sells for \$495.

For more information, contact: FARM SHOW Followup, Todd Pralle, Dycom, Inc., P.O. Box 126, Coulter, Iowa 50431 (ph 515 866-6889).