

The unloading auger powers the gearbox which, in turn, powers the "four finger" agitator.

BREAKS UP CRUSTY OR FROZEN GRAIN CHUNKS

Power Agitator Prevents Grain Bin "Plug-Ups"

New for grain storage bins is a spinning power agitator that breaks up crusty and frozen chunks to prevent plugging of the unloading auger.

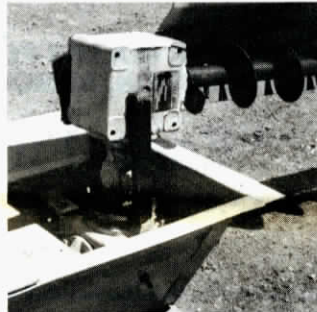
Invented by Willard Tracy, Ocheyedon, Iowa, the power agitator fits on a gearbox installed at the "hopper" end of 6, 8, or 10 in. dia. unloading augers. The unloading auger powers the gearbox which, in turn, powers the agitator.

To install the gearbox, you cut off a section of the unloading auger's flighting and attach the gearbox to the end of the auger with one pin. A shear bolt holds the agitator in place on the gearbox shaft.

When the unloading auger is running, the agitator's four long "fingers" rotate to chew into and break up crusty or frozen grain chunks.

The power agitator sells for \$238. Dealer inquiries welcomed.

For more information, contact: FARM SHOW Followup, Agi-Sweep, P.O. Box 367, Ocheyedon, Iowa 51354 (ph 712 756-3382).



This gearbox is driven by the same gearbox that drives the power agitator featured in the accompanying story.

Sweep auger speed is synchronized to the speed of the unloading auger, preventing overloading and plugging of the hopper. Tracy says the modified sweep auger runs at about 750 rpm's while conventional sweep augers run at 800 to 1,000 rpm's.

The gearbox drive bolts to the auger and can be moved bin to bin, along with the sweep auger. It connects with a knuckle joint and one pin to the unloading auger's gearbox. The modified sweep auger has a pivoting angle of up to 30°. The conversion drive sells for \$238.

REDUCES DOWNTIME, WEAR AND TEAR

Disc-O-Ridge Leveler Ends Coulter Clogging

Problems with dirt clogging the outside coulters of his offset disc's rear gangs prompted Jerry Pope, Loyal, Okl., to design his new "Disc-O-Ridge Leveler".

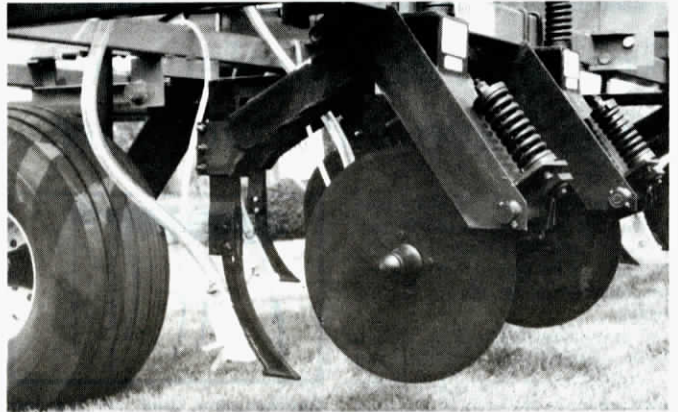
"Clogging problems are caused by the ridge left by the front gang's outside coulters when discing tilled ground," explains Pope. "This ridge, when left intact, plugs the outside coulters on the back gangs. Besides the downtime to unplug the dirt, the soil buildup causes extra bearing wear."

The leveler bolts onto the backside

of the front gang of most makes of offset and tandem discs, and can be removed for discing trashy fields. It features a "V" shaped blade, with a 28 in. spread, which flattens the ridge. The blade, with adjustable height and pitch, is mounted on a spring-loaded arm to trip over rocks.

The Disc-O-Ridge Leveler sells for \$275.

For more information, contact: FARM SHOW Followup, Jerry Pope, Big Red Mfg., Inc., Rt. 1, Box 37, Loyal, Okl., 73756 (ph 405 729-4463).



One-piece Colt-R-Nife assemblies are independently spring-loaded.

"GREAT FOR FALL APPLICATION ON SOYBEAN, NO-TILL GROUND"

New Rig Deep Places Dry Fertilizer

Latest new development in the fast-growing trend towards "deep placement of dry fertilizer" is a self-contained applicator from DMI, Goodfield, Ill., that's especially suited for fall application on ground you want to fall fertilize but don't want to chisel, plow or disk.

"It's tailor made for farmers who are into no-till or ridge planting, and for corn-soybean farmers who no longer primary till soybean stubble in the fall," says Larry VanEtten, product manager, about DMI's new 2200 Dri-Flo applicator.

For fields slated for planting to corn or soybeans, it's designed to place dry fertilizer in 30 in. bands 6 to 9 in. deep. For fields going into small grain, it places the fertilizer in 15 in. bands 4 to 6 in. deep.

The rig is equipped with a 9,000 lb. capacity hopper and is available with 8 shanks on 30 in. centers, or 15 shanks on 15 in. centers. It's ground driven and easily adjusts without tools for application rates ranging from 150 to 500 lbs. per acre (up to 1,000 lbs. with optional sprockets).

Last year, DMI introduced a "piggy back" Dri-Flo attachment for mounting on disks or chisel plows. On a chisel plow, the chisels can be removed to convert the mounted unit for deep placement of dry fertilizer without doing any tillage.

"Our new 2200 Dry-Flo is similar except that it's self-contained and designed for the farmer who wants to take advantage of fall-applied fertilizer deep into the ground, but doesn't want to do any fall tillage," explains VanEtten. "A key feature of our new applicator is that it can go right into straw or stalks to deep place dry fertilizer with 95% or better accuracy across its full width. And, compared to air systems, it has very few moving parts and thus requires very little maintenance. What's more, you can use it to deep place dry fertilizer only, a combination of dry and anhydrous, or liquid fertilizer."

For more information, contact: FARM SHOW Followup, DMI Inc., Route 150 E., Goodfield, Ill. 61742 (ph 309 965-2233).



V-shaped blade is adjustable for height and pitch.