



Auger moves grain to one end of loader bucket where vacuum hose sucks it out.

### LOADER-MOUNTED AUGER FEEDS GRAIN DIRECTLY TO VACUUM TUBE

## Auger Loader Teams Up With Vacuum Mover

"It's the slickest grain moving system we've ever seen," says Don Tucker, who along with his brothers Wayne and Gerry, have invented a new grain handling system that teams up a loader-mounted auger with a pneumatic grain handler.

The loader-auger was designed to move grain stored inside in flat storage, or in piles outside. The auger, mounted inside a conventional tractor loader bucket, augers grain to one end of the bucket where it's sucked out by a vacuum tube attached there. The grain moves through the tube for loading into a truck, or into another auger for transfer to bin storage.

The 12-in. dia. auger mounts inside the 7 ft. wide loader bucket. A hydraulic motor mounted on the bucket and powered by auxiliary tractor hydraulics turns the auger. The 18-in. wide lip at the bottom of the bucket

helps scoop up grain, and the auger pulls it to the hose at one end of the bucket. The hose runs back to the pneumatic unit, mounted on a trailer at the rear of the tractor, and to an output pipe.

The auger feeds grain to the pneumatic unit at the rate of 1,700 to 1,800 bu. per hour. It can also be used to unload grain from trucks by parking the loader bucket under the rear truck endgate and dumping grain into it. Tucker mounts the auger on a 70 hp. Versatile.

Don Tucker says he has no plans to produce the auger loader commercially.

For more information, contact: FARM SHOW Followup, Don Tucker Dakota Oat Processors, Arlington, S. Dak. 57212 (ph 605 983-5631 or 826-4103).



Vacuum tube, fastened to a galvanized metal pipe, attaches to rear of loader bucket.



A pair of lock pins determines whether box dumps right, left, or backwards.

### ALSO FITS ON TRUCKS

## New Wagon Box Dumps Three Ways

New from Knowles Mfg., Glenbeulah, Wis., is a 3-way dump box for wagons and trucks.

Manufactured in Germany, the box is mounted on a Knowles running gear, explains Dave Schmidt, company president. He foresees many potential uses for it, including hauling seed, dirt, gravel and grain.

A 3-stage hydraulic hoist raises the 3-way dumping trailer. Dumping direction is determined by the placement of two lock pins in catches underneath the box. For example, placing one pin in the front left corner catch and the second pin in the back left corner catch causes the box to pivot off the left side and dump to the left.

Box sides are hinged to fold down for dumping, or to lay flat to form a flatbed trailer.

Knowles has 8 and 10-ft. long boxes available for running gears and a box for one-ton trucks with duals. The wagon boxes have a 9,000 lb. capacity, are 84-in. wide and have a 11-ga. floor and 14-ga. sides. Tilt angle is 47° to the back and 50° to the side.

The 10-ft. box with running gear sells for right at \$5,700.

For more information, contact: FARM SHOW Followup, Knowles Mfg. Co., 124 So. Swift St., P.O. Box 97, Glenbeulah, Wis. 53023 (ph 414 526-3241).

## "Seed Bounce" Control For Air Seeders

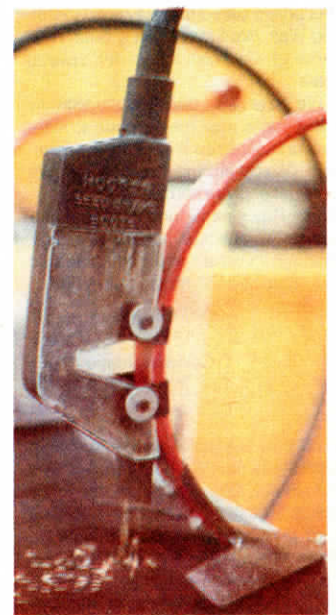
Putting Seed Brake Boots on your air seeder will slow the seed down, allowing it to fall out of the boot directly behind the shank so it's planted with the precision of a press drill, say the inventors, Doug and Davis Hooper, Waskada, Man.

"We're farmers and made it for our own needs. We really like air seeders but wanted seed placement that's as good as a press drill. Our seed boot takes out the blast of air that scatters seed, producing more precise seed placement," explains Doug Hooper.

The Seed Brake Boot, which replaces the conventional boot, U-clamps to the shank. Air and seed enters the boot, hits a plate, slides down a tube and is dropped into the soil behind the shank. Holes on the top of the unit allow the blast of air to escape rather than blow out the bottom of the boot and disturb seed placement.

The boots sell for \$12.95 (Canadian).

For more information, contact: FARM SHOW Followup, Hooper Farms Ltd., P.O. Box 58, Waskada, Man. ROM 2EO (ph 204 673-2694).



Seed Brake deflects seed in such a way that it drops more evenly into furrow.