ALSO DOUBLES AS A SWEEP FOR EMPTYING THE BIN

New Grain Leveler For Drying Bins

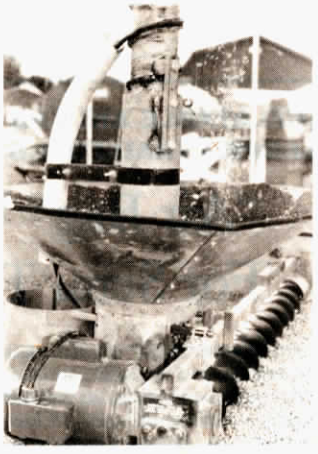
"It keeps grain constantly level during filling or unloading," says Sime Inc. of its new auger-equipped grain leveler that doubles as a grain spreader and as a sweep auger for emptying the bin.

For leveling, incoming grain is directed to fall into the leveler's cone. From there it's distributed by an 8 in. horizontal auger that can be adjusted to create any type of grain surface — completely level, coned or an inverted cone.

The entire unit — cone, drive motor and auger — operates like a giant nut that slowly screws its way up and down a giant "bolt" formed by the vertical center post (8 in. dia.) which is equipped with welded-on spirals which serve as threads. The electric motor's power cord is automatically wound up, or played out, as the leveler moves up (to level grain while filling) or down (to keep grain level as the bin is being unloaded, or to position the unit at the bottom for sweeping the bin clean).

It takes incoming grain to move the leveler upwards on the threaded vertical center post, and the more grain coming in, the faster it climbs. In reverse (moving down the vertical center post), the leveler unit self-regulates so the leveling auger doesn't bite into more grain than it can handle.

For the very last revolution once the leveler has "screwed" its way to the bottom of the bin, a "clean sweep" shield is affixed to the auger and you move it by hand full circle to "sweep" the bin clean to within an inch of the floor, the manufacturer points out.

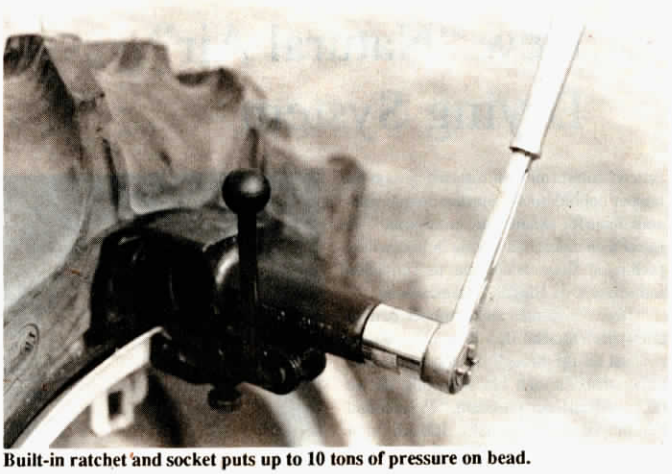


Note how electric cord automatically winds around spiral threads of vertical center post and is fed into a cord-storing cannister as leveling unit "screws" its way up the threaded center post.

If you load grain into the bin and forget to turn the leveler on, a loud horn will sound to let you know so you don't cover it up.

Handles bins up to 48 ft. in dia. and sells for right at $2,500.

For more information, contact: FARM SHOW Followup, Simes Inc., P.O, Box 38, Walters, Minn. 56092 (ph 507 294-3780).



Built-in ratchet and socket puts up to 10 tons of pressure on bead.

YOU DON'T EVEN HAVE TO REMOVE THE WHEEL

Handy "Bead Buster" For Stubborn Tires

You don't even have to remove the wheel to use the Bead Buster, a handy new tool that takes the back-wrenching and knuckle-skinning work out of changing stubborn tires.

Using nothing more than this farmer-invented tool and its built-in ratchet and socket, you can put up to 10 tons of pressure on the bead of any size and kind of tire — from wheelbarrow size to large tractors, says John Kelliher, marketer.

The tool is equipped with 3 metal "tongues" and a built-in striking plate. You use a hammer to drive the tongues, which serve as a wedge, between the bead and rim. You then lock the tool in position on the wheel and hand turn the ratchet to apply up to 10 tons of pressure to break the bead and force it into the well so the tire can be easily dismantled.

"It's virtually impossible to damage the rim with this new Bead Buster tool," notes Kelliher.

Sells for $250.

For more information, contact: FARM SHOW Followup, Bead Buster, c/o John Kelliher, Gans Tool Co., 730 Eastern Ave., P.O. Box 22, Malden, Ma. 02148 (In U.S., ph. toll free 1-800 343-3276; in Canada, call 617 321-3910).

SAVES TIME AND LABOR

Modified Bale Elevator Makes Unloading Easy

A Canadian farmer made the transfer of square bales from wagon to hay mow easy by joining two bale elevators together with 2 ft. of double chain.

Murray Bering, St. Catharines, Ontario, who handles an average of 25,000 bales annually, says the doubled-up elevators let him extend the upper elevator from 8 to 20 ft. into the hay mow and extend the lower, horizontal elevator onto the bed of the hay rack. As the bale wagon is emptied, the operator can slide the lower elevator furthur and furthur into the wagon and simply drop bales onto it.

Bering and his late uncle, Peter Bering, experimented with the idea for a long time. The toughest problem was figuring out a way to smoothly transfer bales from the lower elevator to the upper one. They tried using a single chain with an idler under it but the bales slipped sideways. They finally came up with a double-chain design. "It was the only idea that worked without rolling the bales over or getting stuck," says Bering. He also put steel guard plates on either side of the short double chain section to keep bales from rolling over.

Bering built a frame to support both elevators, using parts from old elevators and 2-in. sq. steel tubing. The lower elevator slides back and forth on rollers and a sliding door track. Height can be adjusted to the height of the bale wagon. While unloading, the operator pulls the lower, horizontal elevator furthur into the wagon as needed so bales can just be dropped onto it. There's a brake on the lower elevator so that as the chain pushes bales up onto the upper elevator, it doesn't push the lower elevator outward.

The frame of the double elevator is equipped with 15-in. wheels for over-the-road travel. Two motors - 1-hp. and 1/4-hp. - provide the power. Total cost of the project, including the elevators, was approximately $2,000.

Bering, who runs a 130-head dairy operation with his father, Gasper, also built his own bale-thrower wagons. They're 20 ft. long, 8 ft. high and 8 ft. wide. They're made of steel with a steel grid floor to prevent slipping and rot. The wagons hold 200 bales each. A full load can be unloaded in about 15 min. using Bering's double elevator.

Contact: FARM SHOW Followup, Murray Bering, Rt. 1, St. Catharines, Ontario, Canada (ph 416 682-0642).

The bottom, horizontal elevator slides into hay rack as bales are unloaded.

A 2-ft. length of double chain pulls bales from the horizontal elevator to the angled elevator that carries bales up into the mow.