

BEARING IS SANDWICHED BETWEEN TWO PARTS INSIDE A GREASE TUB

New "Thumb Pressure" Wheel Bearing Packer

A new "thumb pressure" wheel bearing packer from L & L Enterprises, Northwood, N.Dak., lets you grease bearings in one easy step.

The packer, designed to work inside a 1 lb. fiber tub of grease, consists of two cone-shaped parts that "sandwich" the bearing. The bottom, donut-shaped part seals the lower outer rim of the bearing, and the top part seals the inner portion of the bearing. When you apply thumb pressure to the top of the "sandwich", grease is forced through the rollers of the bearing, packing it uniformly.

"Most other bearing packers require use of a grease gun to squirt grease through the packer and bearing. They also have to be cleaned out after use," says Larry Feickert, inventor. "Our bearing packer doesn't require use of a grease gun, and you don't need to clean anything. Grease comes up through the smallest part of the bearing to the largest part, so it'll grease bearings equipped with a seal on one side. It's also



Two cone-shaped parts "sandwich" bearing to evenly pack grease into rollers.

less expensive than most other bearing packers."

Sells for \$7.95.

For more information, contact: FARM SHOW Followup, L & L Enterprises, 112 3rd Ave., Northwood, N. Dak. 58267 (ph 701 587-5459).



Seed treater slides back and forth along lip of pickup box. Application rate is controlled by seed flow control inside hopper.

ELIMINATES HAND MIXING AND MAKES LOADING SEED EASIER

New Pickup-Mounted On-Farm Seed Treater

Seed treating is easy with a new on-farm seed treater developed by ex seed salesman Ron Barnes, Elkhorn, Neb.

The new seed treater eliminates "in the box" mixing which he says is both difficult and inefficient. "One of my customers told me he's tired of using his cement mixer to treat seed," says Barnes. His seed treater applies liquid or dry fungicides, insecticides or inoculants directly to seed at planting. Seed is dumped in the hopper, which holds 100 to 120 lbs. of seed or about two bags of seed (he's developing a 50-bag model). Chemical and seed are mixed in the bottom of the chamber as they're augered out to the planter or drill by the nylon bristle auger. Volume of seed flow is regulated by a flow control mechanism located in the hopper box. A calibrating valve controls the chemical flow. A 12-volt DC solenoid automatically starts and stops the flow of treatment during the treating process. The

pickup or tractor battery provides the power.

The seed treater slides back and forth on a roller track system that mounts along the side of a pickup box or on the side of a pull-behind trailer. "One of the things farmers really like about this seed treater is that it makes filling planter boxes easier. It lets you handle the bags in the back of the pickup and control the auger from there to fill boxes," says Barnes, noting that the fill auger can be rotated 360°.

The strongest interest for the seed treater comes from farmers who plant bin-run soybeans. "It makes it possible to get the best stands and yields from bin run seed and applies chemicals uniformly so that all seed is treated," says Barnes.

The bristle auger used in the treater is designed to minimize damage. "We've passed seed through the auger as many as 15 times with no damage at all. It works so well Pioneer has recommended the treater to



Bale trailer retrieves and dumps four 5-ft. bales at a time.

LOWERS TO BACK UNDER BALES

Home-Built Bale Trailer Cost \$200

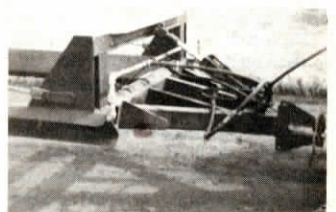
"I've seen factory-built bale trailers similar to my home-built rig but they cost thousands of dollars. I spent less than \$200 in materials to build my bale trailer and it works great," says Bryan Holtkamp, Sedan, Minn., noting that he built the trailer in his spare time with some help from friends.

The main frame of the bale hauler was fashioned out of the frame of a wrecked IH school bus frame. The side rails are positioned at a 45° angle to form a "V" to support the bale. At 4-ft. wide, the frame is about 1 ft. narrower center-to-center than the 5-ft. bales he handles.

The hitch, hubs and wheels were salvaged from a New Holland mixer-grinder. The U-shaped arch frame at the rear of the trailer was made out of 3 by 4-in. sq. tubing. The bale-carrying rails lower flat to the ground, controlled by a standard hydraulic cylinder at the front of the trailer and header lift cylinders from a Case 800 combine on each wheel. The trailer lifts up to about 2 1/2 ft. off the ground.

To operate, Holtkamp lowers the rig to the ground and backs under bales. "I've used it for 2 years to group bales in the field and to haul them home. It'll carry four 5-ft. bales. It would have been able to carry 5 bales but the front of the bus was damaged so 5 ft. of frame had to be cut off," he says.

Contact: FARM SHOW Followup, Bryan Holtkamp, Rt. 1, Sedan, Minn. 56380 (ph 612 278-3571).



Damaged front end of bus was replaced by a hitch and single lift cylinder.



Cylinders on each wheel, together with front cylinder, lower frame to ground.



Operator backs trailer into side of bale to load.



Seed treater can also be mounted on trailer. Requires only a 12-volt hookup to operate.

their seed dealers and it's easy to work on if anything should ever need repair," says Barnes.

Sells for \$1,295.

For more information, contact: FARM SHOW Followup, Barnes Marketing, 915 S. 218th St., Elkhorn, Neb. 68022 (ph 402 289-2200).