

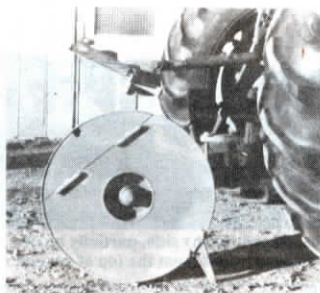
WORKS AT SPEEDS UP TO 8 MPH

On-The-Go Soil Sampler

You can soil sample as many as 80 acres an hour with this new on-the-go 3-pt. sampler that takes 7-in. deep samples at speeds up to 8 mph.

"I got the idea two years ago and it's taken me that long to patent it and find a manufacturer," says farmer-inventor Michael Rogerson, Elizabeth City, N.C., about his tractor-mounted sampler that's manufactured and distributed by Agrifac Company, Inc. "You can take samples at 8 mph if the ground is dry. If it's real damp, you might have to slow down to 6 mph. The 7-in. probe is mounted on the rim of the 24-in. dia. collecting cylinder. It takes a probe every 6 ft., 3 in. and we recommend taking several samples every hundred yards or so. Weight can be added to the unit as needed ranging up as high as 400 lbs. for heavy clay soils. After sampling a field, the unloading door automatically rotates to the bottom where you remove the soil into a sample box."

The sampler cylinder is made of 3/16-in. steel. It rotates on an automotive hub. The bolt-on probe, which is cone-shaped from 1/2 in. across at the tip to 2 in. sq. at the base, can be replaced after heavy use. The lift



The 3-pt. sampler's 7-in. probe is mounted on rim of a 24-in. dia. collecting cylinder. arms adapt to either Cat. II or III tractor 3-pt.

"It's far easier and much faster than any other sampler on the market. When you're done using it, it self-stands on its own lift arms," says Rogerson, noting that he's had interest both from larger farmers and from fertilizer dealers who rent the sampler out to farmer customers. Sells for \$960.

For more information, contact: FARM SHOW Followup, Agrifac Company Inc., Box 575, Wilson, N.C. 27893 (ph toll-free 800 334-2280 or 919 237-7031).

LETS YOU GREASE BEARINGS STILL CONTAINED IN A SPROCKET OR HUB

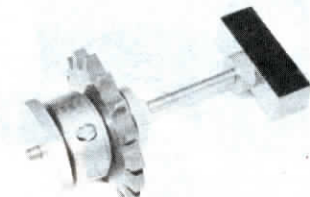
New "Greaser" Adds Life To Sealed Bearings

A first-of-its-kind tool that lets you grease sealed bearings without removing them from pulley, sprocket, hub or other components "sandwiches" bearings between metal caps to force grease inside.

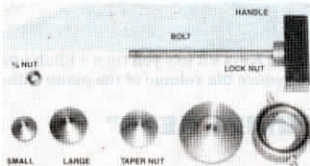
"The Greaser is the first practical way to grease non-greasable sealed bearings," says Wade Bangertner, inventor-manufacturer. "The only other way to grease sealed bearings is to drill a hole in the side of the bearing and place a needle zerk in the hole. This procedure is time consuming and only a temporary solution as it destroys the sealed feature of the bearing. Most farmers simply throw away sealed bearings that fail, but replacing them is expensive. For example, rotary hoe bearings cost \$15 apiece and there are 130 of them on a 30-ft. wide rotary hoe. Some shivs on combines cost up to \$100. If the bearing still works but is dry, the Greaser will save it. It's easy to handle and lets you grease practically any kind or size of sealed bearing."

The Greaser consists of a handle, threaded bolt and lock nut, a zerk "barrel" and several different sized tapered caps that seal off each side of the bearing with the zerk "barrel" in between.

To use the Greaser, screw a tapered cap on bolt with a jam nut to hold it in place, and then slip the bearing on so it butts up against the cap. Put a zerk barrel up against the other side of the bearing and then screw another tapered cap up tightly against the outside of the zerk barrel. When you apply grease through the zerk, it has nowhere to go except into the bearing.



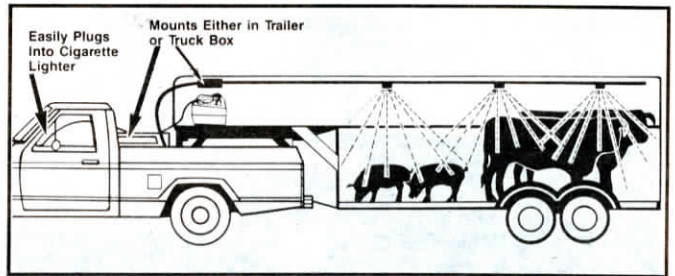
The Greaser consists of a handle, threaded bolt and lock nut, a zerk "barrel" and a tapered cap that seals off each side of the bearing with zerk "barrel" in between.



Several different sized tapered caps are available to fit different bearing sizes.

"It's important to always clean the outside of the bearing first with solvent to keep dirt from contaminating the bearing," says Bangertner, noting that the Greaser can also be used to pack wheel bearings or to lubricate hard-to-grease conventional bearings. Sells for \$85.00.

For more information, contact: FARM SHOW Followup, Jaeger Implement Co., Hwy. 96, Leoti, Kan. 67861 (ph 316 375-2621).



SPRAYS A MIST OF WATER OVER ANIMALS IN TRANSPORT

On-The-Go "Cooler" For Livestock Trailers

A first-of-its-kind "travel cooler" sprays water on livestock in transit to avoid death loss and shrinkage on the way to market.

The cooler consists of a 20-gal. water tank that goes in the cab of the truck or in the truck box and 15 ft. of hose fitted with 4 nozzles. A small 12-volt pump plugs into the cigarette lighter and is controlled by a simple toggle switch. The hose is strung along one side of the trailer up as high as possible. The 180° nozzles are spaced evenly along the length of the hose (where possible, the hose can be strung down the middle of the trailer and fitted with 360° nozzles).

"The driver turns on the water every 7 or 8 min. for a couple minutes, enough to get the animals wet so they'll cool down by evaporation. Because the operator controls the pump, he can spray more or less water depending on the weather," says Harold Stump, company representative.

Sells for \$195. A larger system for full-size trailers with 30 ft. of hose, 6 nozzles, and a 30-gal. tank sells for \$249.

For more information, contact: FARM SHOW Followup, R & D Equipment, P.O. Box 744, Sioux City, Iowa 51102 (ph 800 798-5678).

MONTANA FIRM BUILDS CLEAR-SPAN DOORS UP TO 80 FT. WIDE

"Best Buy" Bi-Fold Door

"My bi-fold door is one of the best buys I've ever made."

That's what Howard L. Smith, Brockton, Mont., told us recently when we asked him to name his "best" and "worst" buys for our regular FARM SHOW report, "Farmers Nominate Best, Worst Buys" (page 12-14 in this issue). His door sounded so good we asked him to tell us about it.

"My new U.B.C. building is 34 by 60 ft. with 14-ft. sidewalls. I put it up myself with the help of neighbors and hired help. The best thing about the building is the bi-fold door that was built and installed by Joe Etzel of Joe's Welding, Poplar, Mont. He custom-builds clear-span doors for airplane hangars up to 80 ft. wide and 20 ft. high. The doors have a unique automatic opening, closing and locking system which makes them easy to operate in all conditions, and they're equipped with remote control. Joe builds them to any size, delivered anywhere in the country," says Smith, whose door is 15 ft. wide and 14 ft. high.

Joe Etzel told FARM SHOW his doors work great for both new and existing buildings because they're self-supporting with no need of additional truss or header support. "They're diagonally-braced internally and are opened in such a way that there's no need for added support from the building. I also install the metal sheeting on the doors horizontally for added support."

The high-speed folding door - its 2 sec./ft. opening rate is twice as fast as the industry average - is electric-powered by a variable speed electric motor that drives a worm drive gearbox that cranks up lifting cables. Motor size and number of cables varies



Smith's 15 ft. wide bi-fold door is powered by a variable speed electric motor that drives a worm drive gearbox that cranks up lifting cables.

according to the size of the door. Smith's 15-ft. door is fitted with a 1/2 hp. electric motor and two lift cables. The door automatically locks shut when closed but can be quickly released manually from the inside if the power fails.

"No opening is too big or too small. We can custom build to any size," says Etzel. He says his custom-built doors are "more than competitive" with other commercial bi-fold doors.

For more information, contact: FARM SHOW Followup, Joe Etzel, Joe's Welding, Poplar, Mont. 59255 (ph 406 768-3779).