



The Johnstons made their spreader out of an old propane tank. To fill, a hose is hooked up to inlet port on lower left side of tank. Note air vane pump on tongue of trailer.



Manure blasts out of tank against hinged plate and is spread in 40-ft. wide pattern.

CREATES VACUUM TO FILL TANK AND AIR PRESSURE TO SPREAD

By C.F. Marley

Air-Powered Spreader Blows Slurry Out Back

"It's built much heavier than any liquid spreader on the market," say three Illinois farmers who made their own slurry spreader that works like commercial-built "honey wagons", using air pressure to spread manure on fields and vacuum to suck slurry back into the tank for refills.

Leslie Johnston and sons, Danny and Doyle, Mason, Ill., made the spreader out of an old propane tank made out of high-grade steel. The main barrel is 7/16-in. thick steel while the rounded ends are 3/8-in. thick.

"It cost only about 1/4 as much to build as a commercial liquid spreader but, because

it's built so heavy, it should last much longer. Except for the propane tank and the chassis under it, we used all new components," says Leslie.

He cautions that extreme care must be taken when cutting into a propane tank. "The gas company filled it with water and, while it was 100 percent full, they cut a 6 in. dia. hole in the bottom and a 13-in. hole in the top. After draining out the water, we let it sit and 'breathe' for a day or so."

An Maro air vane pump (commonly used on liquid spreaders) mounts up front on the tongue of the trailer, which the men built

using two semi axles. To spread a tankful of manure, it pressurizes the tank through a port on top, blowing the liquid slurry out a 5 1/2-in. dia. "snorkle" at the back of the tank. Manure blasts out of the tank against a hinged plate covering the end of the "snorkle" and is spread in a pattern 40 ft. wide.

To fill the tank, a hose is hooked up to an inlet port on the lower left side of the tank. As vacuum is created inside the tank, the flap over the rear snorkle pipe clamps shut, creating an air-tight seal.

It takes just 3 to 4 min. to fill the 2,800-

gal. tank and 5 to 8 min. to empty it.

Air hoses at the front of the tank are plumbed into a "moisture trap" that catches liquid carried out of the tank when the compressor is being used to fill the tank. It's a commercial-built unit commonly used on liquid spreaders.

Because the spreading snorkle comes out of the bottom of the tank, it's easy to completely clean out the tank after spreading.

Contact: FARM SHOW Followup, Leslie Johnston, Rt. 1, Box 16, Mason, Ill. 62443 (ph 618 238-4318).

"RESTORES OLD CABS BACK TO LIKE NEW CONDITION"

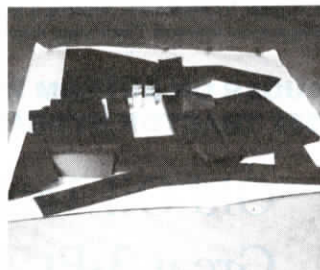
Cab Liner Kit For Tractors, Combines

You can restore noisy, deteriorated cab interiors on any tractor or combine with new pre-cut, pre-sewn cab liner kits sold by Fehr Cab Interiors, Fairbury, Ill.

The cab lining material consists of vinyl laminated onto 1-in. foam. An aerosol adhesive is used to "glue" the foam to metal surfaces. Industrial quality floor matting - heavy duty textured rubber laminated onto closed-cell foam - is optional.

"It restores cabs to like new condition. Adds greatly to resale value," says sales rep JoEllen Grosshans. "Old wall liners deteriorate over time and lose their sound-suppressing qualities. Some implement dealers sell acoustical cab lining material, but it's expensive. We buy the original-type material in volume and pass the savings on. It looks just as good as new. The more material you can apply, the more you can lower the noise level.

"The kit includes all materials, installation instructions, and adhesives. We take special care that our kits fit because we install many ourselves. We can cut pieces to custom fit any cab if you send us your specific dimensions or send us the old cab parts to reproduce. A Deere combine cab can be relined for \$75 to \$190; a large Versatile tractor for about \$400 depending on whether or not you replace the floor



Pre-cut, pre-sewn cab lining material consists of vinyl laminated onto 1-in. foam. An aerosol adhesive is used to "glue" foam to metal surfaces.

matting. Floor matting sells for \$70 per running yard and is 55 in. wide. We cut to the inch, according to your measurements, and pro-rate the cost to the inch.

"We also sell original uncut roll material for \$8 per running foot. We sell door seals for many cabs and foil-backed foam for firewalls under the hood."

Contact: FARM SHOW Followup, Fehr Cab Interiors, Rt. 2, Box 29, Fairbury, Ill. 61739 (ph 815 692-3355).

GOES ON LIKE PAINT BUT TURNS INTO A ROCK HARD SURFACE

New Plastic Sealer For Wood, Metal, Or Concrete

"It's unbelievable how well it works on almost any surface. No other product even comes close," says Gary Howell of Central Petroleum Co. about the company's new "Super Sealers" which form a clear, rock-hard non-slip plastic surface over wood, metal or concrete.

The product looks like skim milk in the liquid form but dries clear. It actually penetrates into treated surfaces and will repel water, oil, and even acids.

"I've installed it on concrete hog or dairy floors where urine was destroying the concrete. It stops the problem, making floors easier to clean and giving animals more footing than before it was applied. It also helps reduce disease problems and, when applied to metal, stops rust and corrosion," says Howell, who's been involved in testing the product for the past few years. It only

recently went into full-scale production.

Super Sealer can be used on garage and concrete floors, on brick and mortar, on outside of metal buildings, on driveways and sidewalks, even in basements to seal out water. "It cost less than conventional water seal products yet does a better job and will last 5 times as long," says Howell.

One gallon covers about 400 sq. ft. There are three different versions of the new plastic sealer, including both water and solvent-based solutions. Water-based Super Sealer 1500 sells for \$42.95 per gal.

For more information on the three different versions of the product, which are all USDA approved, contact: FARM SHOW Followup, Gary Howell, Central Petroleum Co., Rt. 1, Box 149, Brookfield, Mo. 64628 (ph 800 553-1891 or 816 258-7138; fax 816 258-2453).

"Quills" Stop Birds From Roosting

Stainless steel "porcupine quills" keep birds from roosting on barn roofs, ledges, rafters. Different sizes available for different size birds. A kit that includes 8 ft. of quills in 16-in. long pieces, together with mounting hardware, sells for \$45.

Contact: Nixalite, 1025 16th Ave., P.O. Box 727, East Moline, Ill. 61244 (ph 800 624-1189 or 309 755-8771).

