

REPLACES AGITATORS, CHOPPER PUMPS

New "Sludge Buster" For Manure Pits

Iowa hog farmer David Primus found an inexpensive solution to the problem of sludge buildup in his liquid manure pit.

Instead of a high priced chopper pump or pressure pump, he uses a simple attachment that fits over the end of a vacuum spreader hose. He designed and built the special tip himself, which is now in the process of being patented.

The "sludge buster" is basically a 4-in. dia. pipe 18 in. long with blades or flights welded to the inside. The angle and pitch of the blades gives a circular motion to the slurry as it passes through.

To agitate the slurry and break up the sludge, the liquid manure is sucked into the vacuum tank through the hose and blown out again into the pit. Agitation caused by the "sludge buster" breaks up caked solids in the pit.

Primus makes several moves with the sludge buster while pumping out the pit because it agitates an area but not the whole pit. By moving several

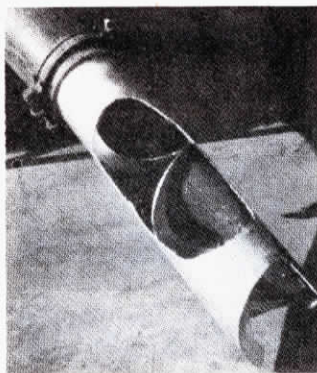
times during the pumping, the sludge layer gets loosened in the entire pit.

"This is a replacement for an agitator or chopper pump," says Primus. "It will work on any vacuum spreader, whether for poultry, hogs or cattle. In fact, some of these are going into dairy and poultry setups in other parts of the country, and I'm sure it would work for beef."

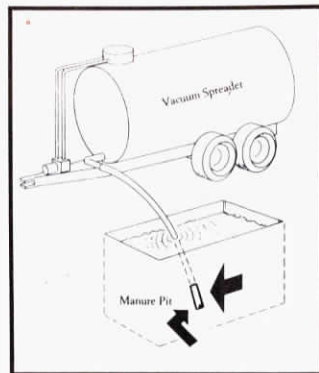
The sludge buster has been so popular that Primus has built and sold about 200 of them in 21 different states. He makes them in two sizes, 4-in. and a 6-in. dia., and they sell for about \$150.

He points out that the device has no moving parts so it is trouble-free and will never wear out. It works on any system that will hold a vacuum. "The higher the pressure, the better it works," says Primus.

For more information, contact: FARM SHOW Followup, David Primus, Mt. Auburn, Iowa 52313 (ph 319 475-2394).



The "Sludge Buster" attachment is a 4 in. pipe with blades or flights welded to the inside in a special configuration.



Liquid manure is sucked into the vacuum tank and blown out again into the pit.

LETS YOU INJECT LIQUID FAT INTO FEED MIXERS, MILLS

New Fat Dispenser For Livestock Rations

New from Feed Fat Dispensing Systems is a trailer-mounted liquid fat dispenser that makes possible the addition of fat to livestock and poultry rations.

Adding liquid fat, such as yellow grease, to hog, poultry and cattle rations is gaining popularity. Fat is high in energy — 2.25 times that of corn, pound for pound, and therefore reduces the amount of grain or other concentrates that must be fed to produce weight gains.

Hog producers, backed by limited university research, also claim that sows perform better when fed fat in their rations, that their pigs are healthier, and that more of them survive to weaning.

Producers claim there is less feed wastage, that feed is more palatable and easier to handle, and that there is less dust. Augers move easily; feeders work well and need very little adjusting.

The fat dispenser is designed so that livestock and poultry producers, or feed manufacturers, can

pick up fat direct from a renderer or other distribution point, and mix it into rations and feed supplements. It is claimed that the unit has the flexibility to add the fat to portable, upright, or horizontal mixers, or mixer-mills.

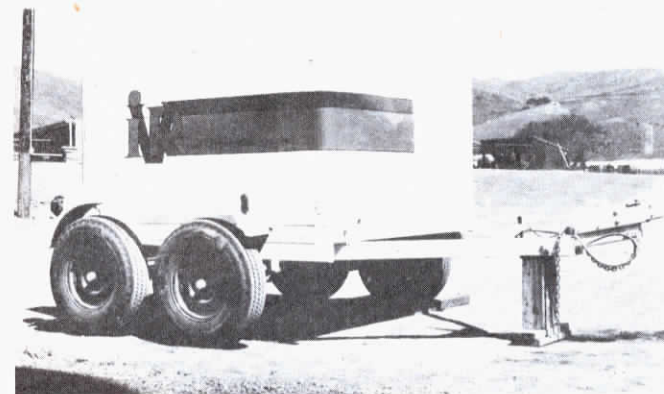
The dispenser comes with two tanks holding 1½ tons of fat each. There is 3 in. of insulation on the top, bottom and sides. Tanks are hoppers for self cleaning.

The dispenser's heaters operate on 220-volt single-phase current, and the pump and compressor operate on 110 volts. Energy use is low because of insulation.

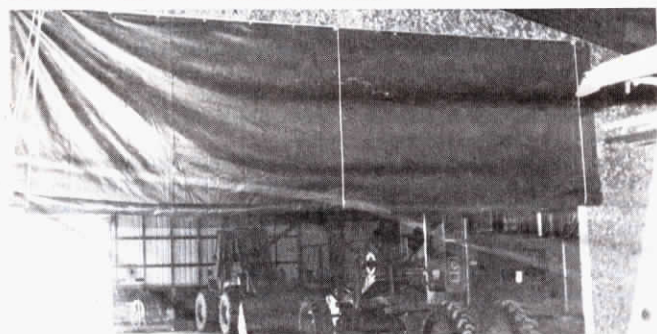
The compressor is for blowing the lines from dispenser to pump, and pump to mixer, to prevent clogging.

The dispenser is 69 in. high, 144 in. long and 96 in. wide. Empty weight is 2,600 lbs. Comes with turn signals, tail lights and brakes.

For more information, contact: FARM SHOW Followup, Les Cottrill, 307 Farmdale Rd., Hopkins, Minn. 55343 (ph 612 935-1425).



The IVR fat dispenser picks up fat direct from a renderer to mix into feed rations.



Besides roll-down walls for shops, the company makes roll-top covers.

Pull the Curtain On Heating Costs

If high energy costs made you reluctant to heat up your farm shop this past winter, or if you just want to make your repair area more comfortable, consider adding a "curtain wall". You may also want to use a curtain wall to form a wash bay area, or to close up a doorway, to divide buildings, or for other applications.

TCT&A Industries, Champaign, Ill., has introduced tailor-made vinyl fabric curtains in virtually any size. They're easily rolled up or down to permit quick movement of equipment in or out. The curtain wall is made by laminating two layers of vinyl over a polyester web for greater strength. Brass grommets are installed every 18 in. along the top of the curtain for quick installation. The curtain may be screwed to ceiling joists, laced to a cable strung across the opening, or fastened in other appropriate ways. A 3/4 in. galvanized pipe is installed inside the bottom

hem of the curtain to keep it from blowing or flopping.

Curtains are available in solid or mixed colors of blue, yellow, red, green, or maroon. Vertical panels, each 5 ft. wide, are heat sealed together to make up any desired width.

Each curtain is shipped complete with all the pulleys, ropes and hardware needed for installation and operation. Galvanized pipe for the curtain bottom is broken into sections short enough for shipment by United Parcel Service.

The curtains are priced at 35 cents per square ft. plus \$3.50 per running foot for pipe and hardware. Thus, a 10 x 10 ft. curtain (100 square ft.) would cost \$35, plus \$35 for hardware.

For more details, contact: FARM SHOW Followup, TCT&A Industries, 506 South First Street, Champaign, Ill. 61820, or 1412 West University, Urbana, Ill. 61801 (ph 217 352-4330).