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**WHAT'S NEW**

**HYDRAULIC-POWERED SUBMERSIBLE PUMP**

A new hydraulic-powered, submersible pump has been introduced by the Limb Lopper division of Robinson Industries. Model HSP-250 is reported to be the smallest, lightest and most powerful of its type, useful for a variety of situations requiring a small, efficient unit.

Suitable for any dewatering use and many fire fighting tasks, the new pump is particularly adapted to pumping out flooded underground vaults and equipment terminals. Its small size and light weight (8 inches by 11 inches, nine and a half pounds) permits passing the unit through vents and inspection ports.

Ease of operation and ready portability indicate wide application in pumping sumps, manholes, pools, storage tanks and for a variety of irrigation work.

The HSP-250 will pump 250 gallons per minute - up to 100 gallons at 100 feet of head. Design of the pump allows multiple units to be run in series or parallel to meet any volume or head requirement. Open or closed center hydraulic systems may be used to power the pump, including tractors, portable hydraulic power packs and mobile equipment units. The pump is fabricated from heavy-duty, heat-treated aluminum castings with heat-treated stainless steel impeller. The

motor and valve parts are manufactured to precision tolerances, plus or minus .001 inches. The pump is self priming and completely submersible.

Quiet hydraulic power allows the Model HSP-250 to be used in any environment since it is spark, vapor and noise free. Hydraulic requirements range between four and seven gallons per minute, at pressures between 1,500 to 2,00 psi.

**SOLAR GRAIN DRYING SYSTEM**

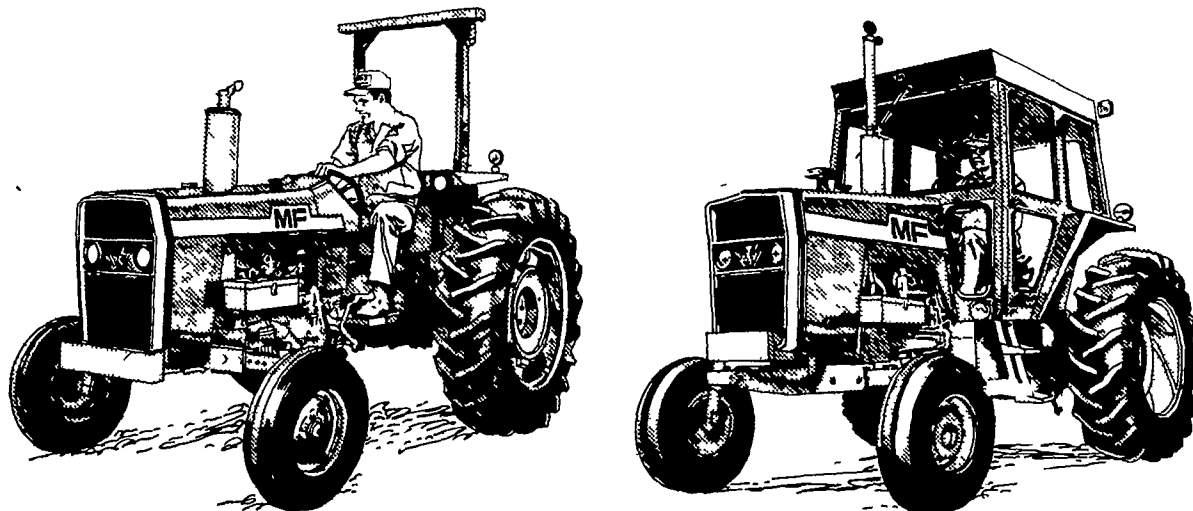
Specialty Metal Fabricators, Inc., of Minonk, Ill., recently introduced a new solar grain drying system called the "Kern'l-Komfort." This unit is

designed to operate in conjunction with an aeration fan in round or flat grain storage to dry grain by reducing or eliminating fuel cost.

The manufacturer states, that under ideal sunlight conditions, the maximum drying output of the Kern'l-Komfort solar unit is equivalent to four gallons of LP gas per hour consumed by a high temperature fuel burning dryer. On cloudy or overcast days it operates at 50 per cent better efficiency and also reduces rain intake through the aeration fan on rainy days. A single solar drying system will handle a 10,000 to 12,000 bushel capacity storage unit.

The manufacturer further states that the Kern'l-Komfort solar grain drying system has been used successfully on various farm installations over six drying seasons. For further information contact: Specialty Metal Fabricators, Inc., 1032 Chestnut St., Minonk, Ill. 61760, Phone 309-432-2586.

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**BELT FEEDER**  
P & D Mfg. Co. Inc., is marketing a belt feeder with multi-lot feeding capabilities for beef and dairy operations. The continuously operating belt is fed from a hopper and is equipped with a plow which deposits feed into the bank. Optional multi-lot divider, control box and switches will allow feeding different rations to two, three, or four lots or more. The feeder uses no augers or brushes, has a separate instant reverse motor and operates with low horsepower requirements.

The low noise level belt feeder is said to deposit feed into the bunk with no sifting or separation and provides uniform distribution of silage, haylage, grain, supplements or almost any combination of ingredients. A galvanized, easily removeable metal canopy and side panels for wind protection are available as options.

Full details and literature are available from P & D Mfg. Co., Dept. B, Plainfield, Ill. 60544.

**SWINE MEDICINE**  
A bacterin for use as an aid in the control of bordetella bronchiseptica infection in swine is being marketed by Chromalloy Animal Health of Omaha, Nebraska.

This bacterin, AR Bac, has USDA licensing, and is available to swine producers as a first line of defense against atrophic rhinitis.

The Chromalloy product is administered subcutaneously in the fold of the pig's flank at seven days of age as the pig is unable to respond to the vaccination until that age. Then a booster should be given at 28 days of age to cause maximum immunity. The bacterin is non-oily, chemically inactivated and incapable of transmitting the disease. It is a suspension of specially selected and highly immunogenic strain of bordetella bronchiseptica and is free from content causing adverse tissue reaction. AR Bac also has a very low potential for producing allergic reactions.

The product is available from the same animal health suppliers handling Armidexan, iron dextran injection, and it should be an answer to one of the more severe disease problems facing hog producers.