

# Hog waste system introduced



Plastic collection pans are featured in hog wastes drainage system introduced by Farmcraft Div. of Underhill Industries.

DELPHI, Ind. — For use in confinement buildings, new double-deck pig nurseries with a revolutionary waste drainage system have just been introduced by Farmcraft Agri Systems division of Underhill Industries, Inc., Delphi, Ind.

Instead of liquid and solid wastes falling through woven wire or slat floors into the building's manure pit, the wastes drop into plastic pans suspended just beneath each upper and lower pen floor. With this new system, wastes are removed more frequently — every few days — and with less labor. An important result is that there is much less formation of noxious gases and foul odors. This system makes the manure pit obsolete, according to the manufacturers.

Animal health is improved and there is less stress on the small, recently-weaned pigs. There is a considerable saving of fuel to heat the building and less electrical energy needed to ventilate it.

Pigs in the lower pens no longer are hit by wastes falling from the upper pens.

Each plastic pan is shaped so that wastes move by gravity into a channel running the length of the pan. This forms a pipe-shaped outlet under the end of each pen. The outlet at the end of each upper pan is connected by a large plastic pipe to the outlet below it. Waste pipes join adjacent pens, so that the entire row of double-deck pens is joined together, and wastes flow by pipe outside the building.

The pans and pipe can be flushed by hose from above, adding water to speed the movement of wastes. An optional auger wastes removal system is available.

Each wastes removal pan has a rigid reinforcement frame, and is suspended by hooks from the floor above it.

The hog producer can purchase the entire double-deck pen unit, complete with waste pans, pipe and fastening hardware. Or he can purchase just the pans, pipes and attachment hardware, to use with double-deck nursery units he owns already. The units are easy to assemble and attach using common tools.

The double-deck nursery pen units are available in choice of two sizes: 4'x4' or 4'x8'. They are built extra-strong and rigid for long service. Legs and vertical members are heavy-gauge square steel tubing.

Flooring is Tender-Care flat-top galvanized steel woven wire flooring that provides more comfortable footing and fewer leg abrasions.

Any side or end panel of the pens becomes a swinging gate by removal of a vertical pin at either end. The entire panel can be removed by lifting pins at both ends.

Three models of side or end feeders are available.

## Papillon signs agreement

EASTON, Md. — American Oil and Supply Company of Newark, N.J. has announced the signing of a development and marketing agreement with Papillon Agricultural Products, Inc. of Easton, Md. The new agreement gives Papillon the responsibility of market development and sales of a complete line of USDA approved (HI and HII) food grade lubricants for the livestock feed and meat processing markets in the United States and Canada.

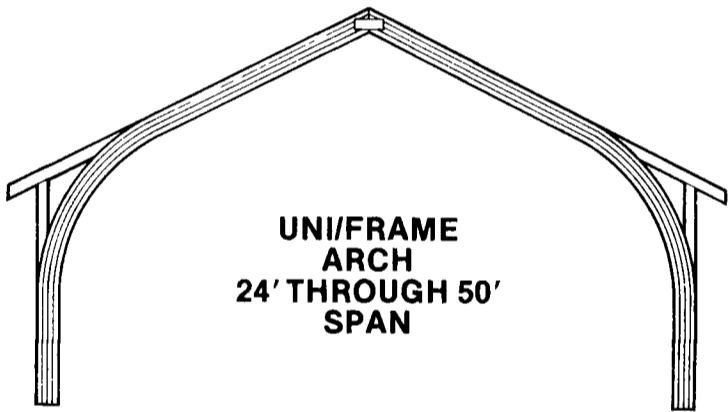
The product line includes food grade general lubricants (10 to 40 weight), greases, gear oils,

compressor fluids, and other specialty products designed for the livestock feed and meat processing industries.

The unique feature of these products is that they meet or exceed specifications of commonly used non-food grade petroleum based products.

Papillon will be establishing distribution for these products to serve the animal agriculture markets in North America.

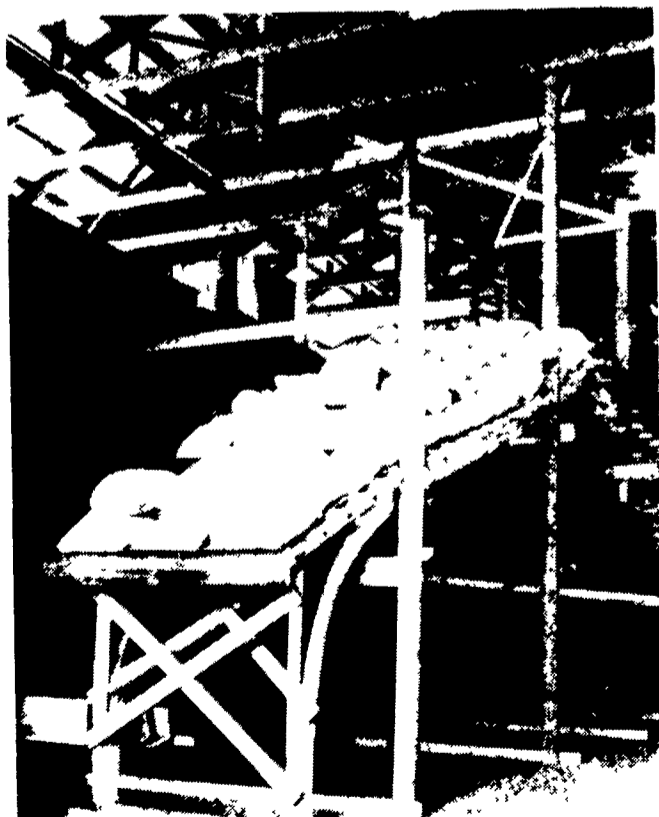
Additional information may be obtained from Papillon Agricultural Products, Inc., P.O. Box 1161, Easton, Md. 21601.



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