

● Poultry
(Continued from Page 1)

All fans but the one next to the cross elevator located at the end of the house blow air in a horizontal fashion. The fan next to the cross elevator is mounted so as to blow air directly downwards into the manure at velocities of 1000 feet per minute. These fans, circulating the warm house air across the manure at high velocities, results in rapid surface drying. Frequent stirring constantly exposes new moist surfaces of the manure to the air.

Stirring is accomplished with

a specially designed device which also serves as a cleaning mechanism. (See photo page 19). It is time clock controlled and through a series of reversing switches the system is automatic. Cleaning can be automatic or manually controlled.

When the manure is removed from the house at 30 per cent moisture it is finely textured and dry to the touch. It is ideal for field application or it can be further processed with a commercial dryer. After the later drying stage moisture content is cut to less than 10 per cent and the manure can be stored safely without producing offensive odors. Several potential sales outlets are now being explored for use of the dry fine powdered manure.

The first stage of drying inside the poultry house costs around \$5/ton of 30 per cent moisture manure remaining. This cost is calculated on the basis of the net increase in kilowatt consumption for ventilation because of the drying fans mounted directly over the manure. Cost per kilowatt is assumed at 1½ cents. The cost does not include capital investment for the additional

● Soil & Water
(Continued from Page 1)

for a meeting for conservation contractors and enter into a memo of understanding with the planning Commission. Work will be done with all civic and municipal organizations to reduce air and water pollution and identification of major industrial, commercial and municipal polluters will be recorded.

Electrical costs for stirring are negligible. To dry the manure from about 30 percent to less than 10 per cent adds another \$2 to \$3/ton of dry manure. Thus for around \$7/ton for electrical and fuel costs a saleable product can be produced.

In summary, Bressler said the main factors in favor of the system are: orders can be controlled so poultrymen can survive in residential areas, fly breeding areas are decreased, higher temperature in the house results in better feed conversion; mature handling is easier and there is less down time for manure removal in between flocks.

County Native Awarded PhD in Agriculture

At the fall commencement exercises of Michigan State University, East Lansing, Michigan, John S. Shenk was conferred the Doctor of Philosophy degree from the College of Agriculture. The title of his thesis was "Selection and Characterization of Digestibility Difference in Alfalfa by Chemical and Bioassay Procedures".

Dr. Shenk, son of Mr. and Mrs. William Shenk, Lancaster, Pa., is now employed in Christianopolis, Brazil. He is the son-in-law of Mr. and Mrs. Ira Holzhauser of New Providence.

Beginning January 1st he will return to his undergraduate school, Penn State University, University Park, Penna. and become a member of the faculty as an Ass't Professor of Agronomy working in forage breeding.

Shenk is a graduate of Penn Manor High School, attended Millersville State College, and as a child was an active member in 4-H work. His wife, the

APPLE CROP

The York Imperial continues to be Pennsylvania's leading apple variety, according to the State Crop Reporting Service.

The 1969 crop of 142.8 million pounds of York Imperials accounted for 28 percent of the state's apple production. Golden Delicious (91.8 million pounds) ranked second in production followed by Stayman, Rome Beauty, Delicious, Jonathan and McIntosh. The state's total apple production was 510 million pounds.

Nationally, the apple crop was the largest in 30 years. Delicious ranked first in the nation in production with Golden Delicious second, McIntosh third, Rome Beauty fourth, Jonathan fifth and York Imperial sixth.

About 17 cubic miles of water occupies the crater of the extinct volcano at Crater Lake, Oregon — every bit of which fell there, no streams run into it.

former Gloria Holzhauser, is a graduate of Lampeter-Strasburg High School. They have four children, Lucinda, Suzanne, Mary and John William.

Tune In The Ole Sheriff

(Bobby Montgomery)

WIOV-105.1 FM

6 to 8 P.M.

Monday thru Saturday

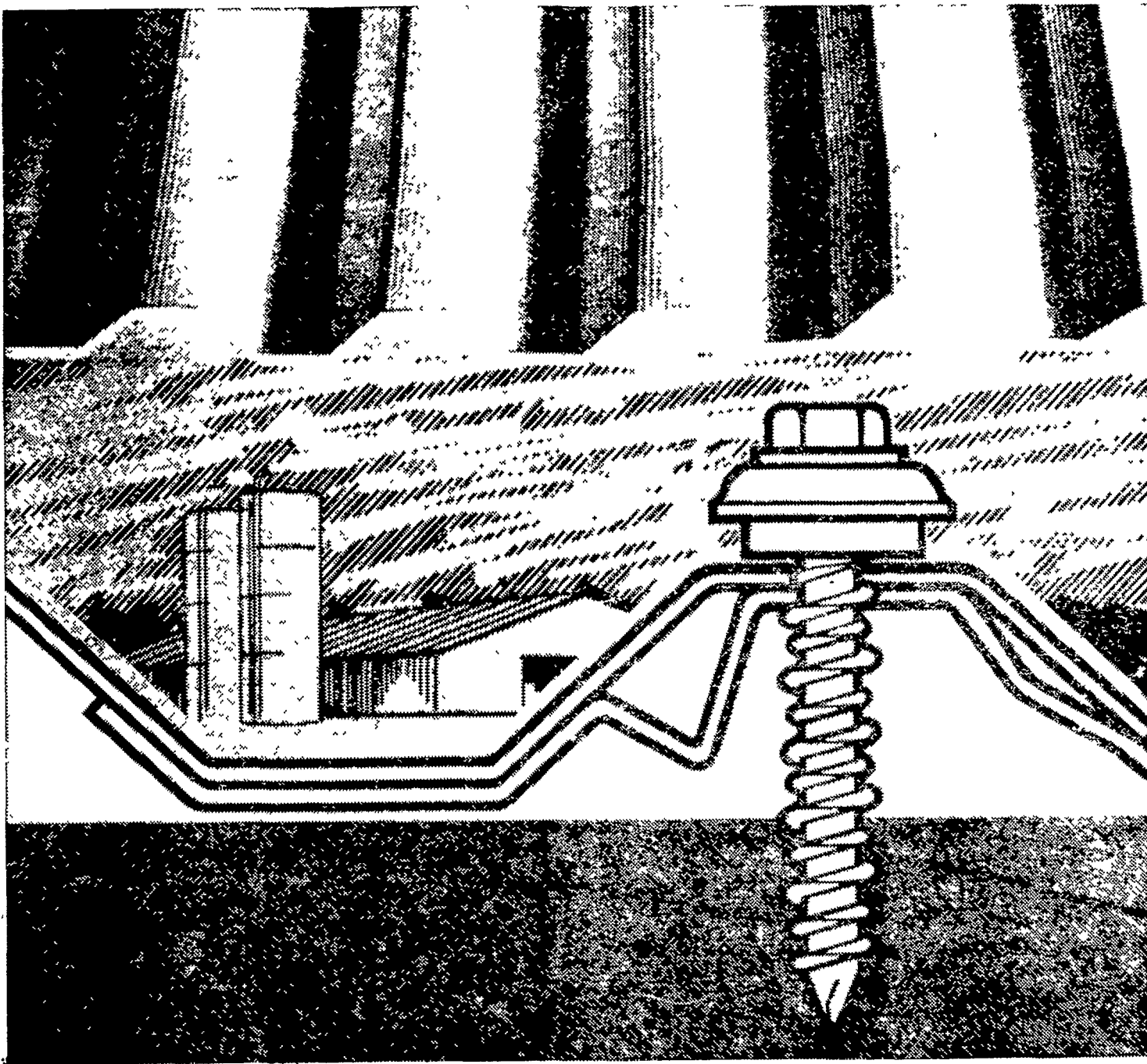
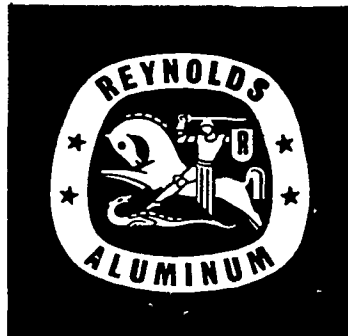
REYNOLDS ALUMINUM

SUPER STRENGTH

RAINLOCK RIB

FARM ROOFING AND SIDING

THE RAIN STOPPER: NOW MORE RUGGED THAN EVER . . . WITH THE FAMED WATER-TIGHT DESIGN



DESIGNERS & BUILDERS OF SYSTEMS

Ephrata R. 2 (Farmersville) Pa. 17522

Phone 717-354-5374

FARMERS'

PREMIUM

SINCE 1904

FERTILIZER

CHECK THE SERVICE THAT FITS YOUR FARMING PROGRAM AND CALL US 367-1211 (AREA CODE 717) (CALL COLLECT) 21 PREMIUM REGISTERED ANALYSIS — PLYMERIZED OR GRANULAR — DELIVERED OR F.O.B. ELIZABETHTOWN, PA. BULK SERVICE — TRAILER SPREADERS — TRUCK SPREAD ON FIELD — (GRANULAR ANALYSIS ONLY) TOP DRESS ALFALFA NOW: FOR WEED CONTROL IN ALFALFA — WE WILL ADD CHLORO HC UPON REQUEST PLOW DOWN CORN FERTILIZER NOW: — AND BEAT THE SPRING RUSH — AND THE WET WEATHER — AND SAVE TIME! FARMERS' FERTILIZERS — MANUFACTURED BY FARMERS' FERTILIZER WORKS, ELIZABETHTOWN, PA — CALL 367-1211 (WE WILL THANK YOU) EARLY DISCOUNTS NOW IN EFFECT.