

CAN-FILLING EQUIPMENT is constructed of stainless steel, as is all the machinery used in the Weaver liquid egg production process. After pasteurizing and cooling, the egg material is piped to this tank. It flows into sterile cans, each holding 30 pounds. The attachment on the frame work at right is a home-made lid remover developed at Weaver's. L. F. Photo

● Liquid Eggs

(Continued from Page 8)
gram, effective January 1, 1967
The USDA amendments will require sampling and testing for Salmonella after pasteurization and final packaging of egg products under inspection. In addition, specific rules established standards for times and temperatures for pasteurizing and washing, and stated that non-frozen liquid eggs were subject to a time limit of 72 hours between breaking and further processing. Regulations like these don't particularly affect a modern operation such as Weaver's since the standards are most-

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drops into a stainless steel cup. The cups travel on an endless belt, tripping when they reach a certain point and dropping their cargo into a waiting container.

4 — Eggs are then strained to remove any shell fragments and are piped to 500-gallon holding tanks where they are cooled and agitated prior to pasteurizing. These tanks are refrigerated, reducing the egg temperature to 38 degrees. This step takes about 1 1/4 hours.

5 — When a sufficient quantity of liquid eggs is ready, the product is piped to the pasteurizing units. This is a two-step operation: the liquid eggs pass through a first unit and are exposed to a temperature of 143 degrees; then to the holding pasteurizer for 3 1/2 minutes, again at 143 degrees. The material is then re-cooled to 38 degrees.

6 — At this point the eggs are nearing the end of the line. They are piped to a smaller tank from which they are drawn-off into 30-pound cans.

7 — Until these cans are opened to receive the liquid egg material, they are kept as sterile containers. Each can receives exactly 30 pounds of product.

8 — The cans are sealed and placed 15 to a skid. A sample for bacteria content and total solids is taken from each skid-load, and these samples are marked and sent to Weaver's laboratory for prompt analysis.

9 — Each skidload is exposed to blast-freezing, and then the product is either stored in a freezer, or shipped out in a refrigerated truck.

STORE OR SHIP

All of Weaver's liquid eggs are sold as frozen liquid, and most of the product is delivered directly to the customers. Most of the production of liquid eggs at this plant is for current needs, and therefore spends a minimum of time in storage.

One advantage of the frozen liquid egg business has been pointed out as enabling a speculator to buy shell eggs in great quantity when prices are down; process them, and release the product to the market when prices recover.

This would follow much the same procedure that was used for many years with cold storage eggs, and would have the added advantage of a reduced rate of egg quality deterioration.

But, as in the cold storage business, speculation in frozen eggs would be faced with a modern egg market that doesn't have the drastic seasonal variations of some years ago.

Speculation in the frozen product would face the additional problem of narrow price fluctuations in the frozen egg market from its contents, each egg

● Future Farmers

(Continued from Page 16)
land China, Spotted swine, and Yorkshire junior sow pigs. The second largest number

of vocational prizes, however, is 115 in the poultry show where \$235 has been allocated by the Farm Show Commission for capons and pens of three females of various breeds.

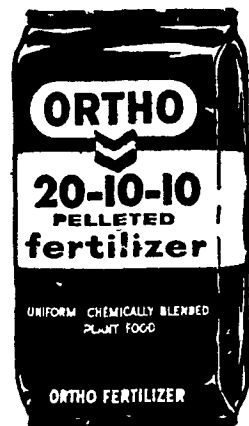
So, although storage for speculation is not a great factor in the fast developing liquid egg market, the elements of convenience and continually climbing labor costs for bakers and others, favor the growth of efficient, large-scale breaking operations, and most of the experts agree we'll be seeing more of these as time goes on.

For the sixth time in Farm Show history, vocational class entries will be accepted this year in the tobacco show. Ten prizes for wrapper tobacco and ten for filler tobacco are offered for a total of \$54.

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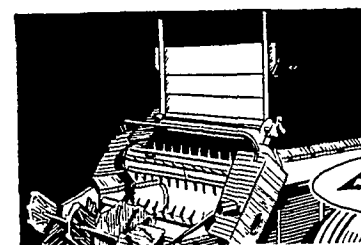
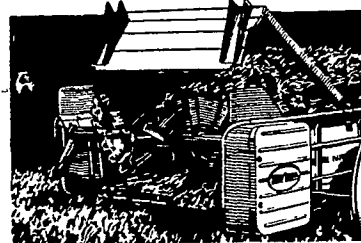
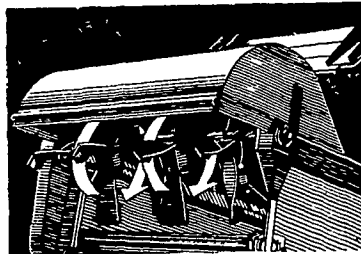
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