

### Proper Milking Technique Guards Cows' Health

When a milking machine is improperly used or its parts become worn and inefficient, it is potentially dangerous to the teats and udder of dairy cows, the American Veterinary Assn. warns.

When the percentage of cows with inflamed udders in the herd is high, then both the affected animals and the milking technique are in need of attention. An important segment of the mastitis control program is overlooked if attention is not paid to the milking machine.

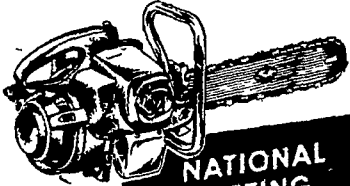
The delicate internal tissue of the udder can be injured when machines are allowed to remain on udders after all the milk has been removed, or when machines with worn-out pulsators, perforated pulsator hoses, or deteriorated rubber liners are used.

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### Most Families Eat Broilers, USDA Finds

Over 90 per cent of all homemakers interviewed served broilers or fryers sometime during the last year, and about half of these users served them once or more a week, U. S. Department of Agriculture researchers concluded after conducting a survey of a selected sample of homemakers in the United States.

Preliminary findings from a June and July 1956 interview indicate that during the 12 months preceding the interview almost all users of broilers or fryers had served them fried; about one user in three served them as fried chickens only. Around 40 per cent of users had baked or roasted this type of chicken during the year, about 25 per cent had broiled them, and about 17 per cent had barbecued them.

These preliminary figures are consistent with the Department of Agriculture estimates that the per capita consumption of broilers in 1956 reached about 16 pounds per person. Consumption of this form of poultry meat has almost doubled since 1950, while the per capita consumption of all chickens has risen only about 3 pounds (15 per cent) during the corresponding period.

Poultry in other forms is served by fewer housewives. Although about two-thirds of the homemakers interviewed served turkey during the 12 months preceding the survey, it was served mainly only one to three times during the year.

About half the respondents had bought stewing chickens during the year, while slightly less than half bought roasting chicken, and only one in 10 bought duck. About 50 per cent had served frozen poultry pies, or frozen poultry dinners in the preceding 12 months. Frozen pies, especially chicken, were used more than either frozen chicken or turkey dinners.

These preliminary findings are based on a survey conducted by Agricultural Marketing Service researchers as one of a series of studies providing information on consumers' attitudes toward and uses of various farm products.

### Electric Fence Makes Controlled Grazing Easier

WASHINGTON — (USDA) — Portable electric fences are being improved to give better service in controlled grazing of pastures and in other farm uses, the U. S. Department of Agriculture reports.

Controlled grazing, as commonly practiced by dairymen, involves fencing off small areas of pasture to be grazed for short periods — usually a day to a week. This system, which encourages the animals to graze the forage in a particular area quickly and uniformly, results in less loss from trampling and contamination. It also allows the grazed area to recover while the livestock are in another area of the pasture.

Electric fences provide a relatively inexpensive means for grazing control. To be entirely satisfactory, however, they must withstand frequent testing by livestock and be readily movable. Also, since the fences may be used from early spring to late fall, they must be effective in all kinds of weather.

Engineers at USDA's Agricultural Research Center, Beltsville, Md., are conducting experiments to determine what improvements can be made in electric fences now used. They find that loss of electrical energy under humid or wet conditions is frequently a problem. This loss is caused mainly by surface leakage across insulators, which may partially short-circuit the fence. Such leakage is due to a surface film of moisture and dirt on the insulators.

Conventional porcelain insulators are not altogether satisfactory for use in wet weather or when the humidity is 75 per cent or more. Under such conditions, insulators of materials such as polyethylene have about one-tenth the surface leakage of porcelain insulators.

Labor for moving portable fences can be reduced by the use of portable posts, quick wire-attaching equipment, gate hooks and convenient fence layouts. Posts designed to rest on top of the ground are somewhat more expensive than posts to be put into the ground, but they are not dependent upon soil conditions for ability and ease of moving.

Controllers for electric fences should comply with established safety codes and safe limits of total energy. Controllers which do not meet safety requirements are hazardous to both humans and animals.

### Anglers Wait For '57 Licenses

Fishing licenses for 1957 are available to Lancaster County anglers at the county Treasurer's office only in limited numbers, the Department of Revenue at Harrisburg has announced.

Lack of a 1947 license will not curtail fishing in any streams. William Voigt, Jr., executive director of the Fish Commission, said that a temporary plan to allow fishing until the new licenses are available to all in the usual manner has been set up by the Department of Revenue.

The steel strike, paper shortage and late bidding on the manufacture of the new buttons has caused a shortage in the licenses and they will not be available to scores of issuing agents throughout the city and county until late next week.

### Uranium Output in Past Year Doubled

The Atomic Energy Commission has revealed that production of raw ore and uranium concentrate that was milled from the ore had doubled within the past year.

### Broilers

(Continued from page two)

Poultry, 19½¢ 19 Lee Petticofer, 4,000 Indian River, 10-3, to Victor F. Weaver, Inc., 20¢ 20. Lee Petticofer, 3,000 Indian River 10-3, to College Hill Poultry, 20¢ 21. Lee Petticofer, 3,000 Indian River, 10-3, to College Hill Poultry, 20¢

22. Lee Petticofer, 3,000 Indian Rivers, 10-3, to College Hill Poultry, 20¢ 23. Clair Ray — M and B, 1,500 capettes, 14. to Linn Poultry, 20¢ 24. Enos R. Buckwalter, 4,200 White Vantress, 11-6, to Leola Poultry, 20½¢ 25. Enos R. Buckwalter, 2,900 CX-WR, 11-6, withdrawn prior to sale.

26. Indian River Poultry, 4,600 Indian Rivers, 11,\* to S. E. Davis, 19½¢ 26A. Indian River Poultry (John Geil), 5,400 Indian Rivers, 11, to Victor F. Weaver, Inc., 19½¢ 27 Miller and Bushong (Clair Bomberger), 4,500 White Vantress, 10, to Roy E. Ream, 19½¢ 28 J. Harold Eby, 4,000 Indian Rivers, 10, to Victor F. Weaver, Inc., 19½¢

29. Nellie Cooper, 15 turkeys, 7 months, to Daniel K. Good, 23¼¢ 30. Nellie Cooper, 50 White Rocks, to Daniel K. Good, 19¼¢

31. Amos C. Funk, 4,500 White Vantress capettes, 13-6, to Linn Poultry, 23¢ 32. Amos C. Funk, 4,500 White Vantress capettes, 13-6, to Linn Poultry, 23¼¢ 33. Amos C. Funk, 4,600 White Vantress capettes, 13-6, to Linn Poultry, 23¼¢ 4A. J. J. Hess (Christ King) 250 White Vantress, 16, to Daniel K. Good, 17¼¢

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### Penn State Testing Feed Processing Unit

An automatic feed processing unit is now under test at the Pennsylvania State University. This unit is designed to eliminate most hand labor needed to grind and mix livestock rations.

This automatic unit will grind ear corn without processing small grains and concentrates. Swine and poultry rations may be mixed without blending ear corn with the ration.

Developed by the Agricultural Experiment Station, the machine is reported in the fall issue of "Science for the Farmer." The unit is described by Ralph P. Prince, assistant professor of agricultural engineering.

Uniform speed of both the blending table and the crushed corn metering angels is another feature. This protects the hammer mill from overload while the unit is operating.

In addition, a separate feed mixer is eliminated when preparing livestock rations. Capacity of the unit is about 1,200 pounds per hour when grinding a livestock ration.

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