



FARM NEWS

Warden's Daughter in Movies

Long familiar with stripes, Joan Marie Lawes, 8, daughter of Warden Lewis E. Lawes of New York's Sing Sing prison, is now getting acquainted with stars. Here's her first picture since she arrived in Hollywood to become an actress in her own right and take a leading part in a forthcoming film of prison life.

"Cherie," as Joan Marie is best known, hopes to become a famous movie queen when she grows up and she's already looking forward to that time.



Gang War Breaks Out in St. Paul; Three Men Slain

ST. PAUL, Minn., Aug. 14. (AP)—Three men were slain last night, victims of a gangland war in what police believed was the outgrowth of a quarrel over slot machine concessions.

One man still unidentified, and Frank Coleman, Kansas City, who was wounded fatally, were found last night by General W. F. Rinnow, head of the state bureau of criminal apprehension while touring an amusement resort on White Bear Lake, northwest of here.

The third victim also unidentified, was found early today.

A new muffler for locomotives discharges steam and hot water in a fine spray between tracks so that they do not obstruct an engineer's vision nor damage cars on adjacent tracks.

COW TESTING JULY REPORT GIVEN OUT

Thirty Herds on Test in Month, 753 Cows; 20 Sold For Beef

Earl A. Gardner, tester, and J. E. Storm, secretary, of the Klamath Cow Testing association, yesterday filed the following report for the month of July:

Number of herds on test, 30; number cows enrolled, 133; of which 60 are dry. Total production milk, 392,161 pounds; fat, 22,915; number of 40-pound cows, 167; average 22 per cent. Production milk, 787 pounds; fat 20.4.

High herd of over 20 cows belonged to H. J. Ticknor, Laneville; 24 Jerseys, giving average 32.5 pounds milk and 37.5 fat. High herd 12 cows belongs to E. T. McLaughlin, 14 Holsteins, giving average 1245 pounds milk, 42.6 fat. High herd under 12 cows, belongs to C. E. Evers, mixed breeds, six cows, averaging 555 pounds milk and 33.1 fat.

20 Cows Sold

Two high cows for the month belonged to E. T. McLaughlin, named Novens, giving 2544 pounds of milk and 31.4 pounds fat. Novens is a 5-year-old Holstein. Sarah, the second high cow, belonged to H. J. Ticknor, and gave 1411 pounds milk and 37.5 pounds fat. She is a 5-year-old Jersey.

Twenty cows were found to be unprofitable producers and were sold for beef during the month. These cows were sold for dairy purposes out of the association.

The third high cow belongs to R. Klatt, her name being Pretty Girl, a 5-year-old Jersey, giving 1228 pounds of milk and 31.5 pounds fat.

4-Year-Olds Produce

The other two mature cows making over 60 pounds fat during the month are: Bona, owned by Chas. Drew, a 4-year-old Holstein, giving 1634 pounds milk and 65.8 fat; Kicker, owned by Ed Briscoe and son, a 7-year-old Holstein, giving 1761 pounds of milk and 63.4 fat.

The five 4-year-olds making 45 pounds fat are: F. U. Bishop, owner, Sully, a Jersey, giving 1097 pounds milk, 52.5 fat; Bayna, owned by J. E. Storm, Holstein, giving 1862 pounds milk, 62.1 pounds fat; Giraffe, owned by H. J. Ticknor, a Jersey, gave 1246 pounds milk, 59.8 pounds fat; Dutchy, owned by H. Wilson, a Jersey, gave 1063 pounds milk, 58.5 pounds fat; Topsy, a Holstein, owned by M. L. Ferguson, gave 1510 pounds milk, 57.4 pounds fat.

Two and Three Years

The five highest 3-year-olds making over 40 pounds were: Blacky, a Holstein-Jersey mixed, owned by F. U. Bishop, gave 1147 pounds milk, 51.6 fat; Bob, a Holstein, owned by R. Klatt, gave 1448 pounds milk, 50.7 pounds fat; Bess, a Holstein, owned by H. M. Mallory, gave 1283 pounds milk and 48.8 pounds fat; Ruby 2nd, a Holstein, owned by C. W. Lewis, gave 1556 pounds milk, 48.2 pounds fat; Baby, a Jersey, owned by Lewis Botens, gave 1955 pounds milk and 46.7 fat.

The five highest 2-year-olds making 35 pounds fat were: Pearl 2nd, a purebred Holstein, owned by J. E. Storm, gave 1829 pounds milk and 55.2 pounds fat; Jersey No. 9, owned by Ivan Buell, gave 1446 pounds milk and 52.3 pounds fat; Snowball, a Holstein, owned by Ray Loomis, gave 1561 pounds milk and 51.7 pounds fat; Jersey, owned by Lewis Botens, gave 1110 pounds milk, and 50 pounds fat; Maggie, a Guernsey, owned by H. M. Mallory, gave 1240 pounds of milk, and 49.6 pounds fat.

LONG AIR RIDE

BERLIN.—One of the longest airlines ever contemplated in Europe is that being planned by the German Lufthansa between Germany and China. The route, it is thought, will run through Moscow, Manchuria, and into China. Russia is said to want the ground organization in Russia to be installed at Germany's expense.

HOW TO RAISE POULTRY

By Dr. L. D. LeGear, V. S., St. Louis, Mo.

Dr. LeGear is a graduate of the Ontario Veterinary College, 1892. Thirty-six years of veterinary practice on diseases of live stock and poultry. Eminent authority on poultry and stock raising. Nationally known poultry breeder. Noted author and lecturer.

Editor's Note: This is another story in a series of 22 stories on poultry raising written by the well-known author, Dr. LeGear, V. S., of St. Louis. The entire series will appear in this paper in the next few weeks. Read them carefully and clip them out for future reference.

ARTICLE XLVH

Mechanical Stepmothers For Chicks

This Article Should Help the Beginner Materially in Choosing the Type of Artificial Brooding Most Suitable to His Individual Requirements.

One of the penalties of being regarded as an authority on anything is having to answer all sorts of questions more or less closely related to your specialty. One of the many questions that I am called upon to answer quite frequently is, "What type of artificial brooder do you consider best?" To this I invariably reply that there "is no best system and no best device." Any of the devices and systems now in general use will give satisfaction if the manufacturer's instructions are carefully followed. A brooding system should be so arranged that it can be easily cleaned and disinfected; it should be guarded against fire; it should be able to develop high temperature and distribute heat evenly; it should be easily ventilated.

The terms brooder and hover are rather loosely used by many people. Speaking strictly, a hover is that part of the brooding apparatus which confines heat to a place and to which the chicks have access for warmth. It is usually a circular metal canopy shaped to deflect heat downward onto the backs of the chicks, just as it would come from the body of a hen. It is sometimes adjustable to various heights and is often surrounded by a silt curtain to confine more of the heat to the area beneath it.

Many types of heating plants are used. A kero-sene burner is the most common form, although coal gas, hot water and electricity are also used to furnish brooder heat. If an oil burner is used it should be so constructed that the flame cannot easily be blown out or smothered and there should be some provision for the easy escape of fumes into the open air as they are very harmful to young chicks. With coal heaters it is also necessary to have a good draft.

Small portable lamp hovers having a capacity for from 50 to 100 chicks are deservedly quite popular as they are small and are easily carried about. They are easily cleaned, simple to regulate and offer little fire hazard if ordinary precautions are observed.

UNCLE SAM'S Planting Pointers

ROCK GARDENS

By DR. VICTOR LUMSDEN
Bureau of Plant Industry, U. S. Department of Agriculture

A rock garden on a steep bank often makes such an incline more attractive. If you have a sloping area that is difficult to keep in grass, a rock garden may solve your problem. A rock garden is seen at its best when it functions as part of the general garden scheme.

To construct such a garden use native stones and, if possible, expose the weather-beaten surfaces. As a rule the drainage problem on an incline is one of retaining moisture rather than getting rid of excess water. Consequently, to conserve rainfall it is desirable to place all rocks with their uppermost surfaces sloping back into the bank rather than parallel to the surface.

Copy Natural Gardens

In arranging the rocks, copy roughly locations where plants are growing native among outcroppings of stones. Notice also the proportion of stone and soil areas that are exposed.

Arrange the rocks to form pockets for good soil in which plants can develop a vigorous root system. If the existing soil on which the rocks are set is not rich it should be replaced by good garden soil.

Variety of Plants for Garden

By consulting the catalogues of various plantamen offering rock garden plants, the gardener can select those which will appeal to his fancies and prove suitable subjects for the location where they are to be used.

New Marketing Method of Lambs Is Successful

CORVALLIS, Aug. 13. (UP)—A new method of marketing lambs which is being tried out in Union, Baker and Wallowa counties gives promise to proving a profitable venture to the growers. The first shipment from Union county netted one and one-half cents a pound over the local price.

The plan calls for a cooperative shipment with the lambs from each flock selected. By making several selections during the marketing season, practically all the lambs are put on the market just when they are "ripe" and results in "top" price in most instances.

The lambs are chosen by a local committee of growers assisted by the county agent and H. A. Lindgren, extension livestock specialist at the state college.

About 4000 lambs have already been sold by this method and from eight to 10 thousand will be marketed this season.

FEDERAL FARM FACTS

Of great aid to farmers will be the summer series of agricultural outlook reports to be issued by the U. S. Bureau of Agricultural Economics during the next three months. The reports will present statistical data on the domestic and foreign farm-commodity situation, and analyze the various factors influencing agricultural exports. These will aid farmers in adjusting their plantings and meeting market conditions.

In an effort to develop an effective fumigant, scientists of the U. S. Department of Agriculture have experimented with 390 different compounds to treat insect-infested grain, food, carpets and clothing. More than 900 tests were made and about 100,000 insects killed in the course of experimenting.

According to the latest table issued by the U. S. Department of Agriculture, there are now 962 counties in the United States having cattle free from bovine tuberculosis. More than 20,000,000 cattle have been tested in the country, and about 2,120,000 are now on the waiting list to be tested.

Provisions for cold storage in the United States increased 60-745,280 cubic feet over the two years ending October, 1929, the U. S. department of agriculture reports. At that time 1,409 cold storage concerns operated buildings having about 728,594,323 cubic feet of space.

The U. S. department of agriculture has succeeded in standardizing more than 50 farm commodities in the last 15 years. This means that foods, feeds and fibers are graded according to quality through the use of standards supplied producers by the government. The standards meet the modern merchandising requirements of sorting commodities according to quality.

WOODEN TRAIN WHEELS

LONDON.—London's tube railways are experimenting with wooden wheels for trains. These wheels are to replace the noisy metal type, and have given wonderful results so far. They are built up like airplane propellers, of layers and layers of this wood. Spruce is used in each layer. Moisture or heat does not effect the wheels.

A rock garden also provides a place where native plants can be raised successfully.

These suggestions deal only with the construction of a small rock garden, but the same general procedure applies to larger ones. If you contemplate building such a garden, midsummer is a very good time. It will then be ready for fall planting.

LATEST NEWS OF MARKETS

PORTLAND, Aug. 14. (AP)—All grades of butter were advanced 1c at the Portland Produce Exchange today. Extras were quoted at 37c, standards at 36c, prime firsts at 35c and firsts at 32c.

Butterfat at the same time stepped up 1c to 27c delivered Portland.

The advances followed similar advances by California dealers. The rise was more because of this than of any brisk local demand.

The egg market was steady with trade reported good.

CATTLE: Receipts 199, calves 70. Talking around steady.

HOGS: Receipts 200. Killing classes steady.

SHEEP: Receipts 1000, including 270 on contract. Looks steady.

BUTTER: Cent higher. Cubes, extra, 37c; standards, 36c; prime firsts, 35c; firsts, 32c. Creamery prices: Prints 3c over cube standards.

MILK: Butterfat cent higher. Raw milk (4 per cent), 22.30-24.00 cwt. delivered Portland, less 1 per cent; grade B milk, 22.65. Butterfat, delivered Portland, 37c.

EGGS: Steady, unchanged.

Poultry, country meats, onions, potatoes, wool, nuts, hay, cassava bark and hops, steady and unchanged.

SUGAR (stacked basis): Steady. Cane, fruit or berry, 44.89 per cwt.; beet sugar, 44.60 cwt.

FLOUR (city delivery prices): Steady. Family patents, 49c, 56.50; whole wheat, 49c, 45.70; graham, 49c, 45.90; bakers' hard wheat, 38c, 36.20; bakers' Blue-stem patents, 38c, 36.40; pastry flour, 49c, 46.10.

Explosion Kills Two Coal Miners

PRINCETON, B. C., Aug. 14. (AP)—Two miners were known to have been killed and 46 others wounded by an explosion and cave in in the Blakemore coal mine of the Coalmont Collieries, Ltd., at Coalmont near here, last night.

One man was brought out alive while the bodies of two others were recovered by rescue parties clearing away the debris 300 feet back from the mine entrance. The identity of neither the man brought out alive nor of the victims was known here.

Burning Feet

New Way to End Distress in 20 Minutes.

THE ENGLISH WAY

If you want to instantly relieve weary, inflamed, burning feet you must first REMOVE THE CAUSE.

And the general cause of most foot troubles is harmful acids and poisons which accumulate in the tens of thousands of foot pores which only the Oxygen in Radox can force out.

Immediately rid your pores of these trouble-makers by soaking your feet for 20 minutes in a wonderfully soothing, cleansing, revitalizing Radox Footbath. You'll be astonished at how marvelously soothed and cooled your feet will be—walk all next day with greatest comfort!

Radox is guaranteed to give anyone flawless feet or money back—and that means painful feet—sweaty feet—corns, bunions and callouses. Get Radox at Whitman Drug Co., or any drug store. Read directions.—Adv.

BOOTLEG KING'S WIFE SLAIN IN OWN DOORYARD

Police Believe Shots Were Intended for Rocco Perri

HAMILTON, Ont., Aug. 14. (AP)—Mrs. Hestia Perri, who as wife of Rocco Perri, wealthy self-styled "bootleg king," was called minister of the farm ring which built up her husband's wealth during the days of the Ontario Temperance act, was shot dead last night on the back steps of her home.

She fell under three charges of slugs, fired from two shot guns out of the darkness of the Perri garage where only a few moments before she and her husband had alighted from their automobile.

Perri unharmed

Perri was unharmed. He stood maneuvering the "garage" doors, out of range of the guns. When Mrs. Perri screamed at the first shot, her assassins fired two more charges at her, then three men darted from the garage and escaped in an automobile parked in the alley.

Police found the guns in the garage.

Perri said he believed the murderers planned to rob his wife of jewelry she was wearing, valued at more than \$10,000, but police said there was another motive, as the gunmen made no attempt to seize her jewels.

Police believe the men had intended to kill Perri. The couple

had been visiting relatives and returned home shortly before midnight. The killers evidently knew of their movements and hid in a big sedan.

Perri admitted, police said, his wife was responsible for his fortune, having directed his former bootlegging activities.

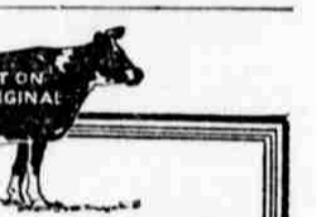
VICTIM OF DIPHTHERIA

SALEM, Ore., Aug. 14. (AP)—A death from diphtheria was reported yesterday from the state institution for the feeble-minded. The child, 9 years old, was recently received from Portland and the nature of his illness was said not to have been discovered in time to administer the usual remedy. Cadavers are being taken to determine whether there is a carrier in the institution.

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AGRICULTURE ENTERS MACHINE AGE

Science, Tractor and Combine Make for Bigger and Better Farms

WASHINGTON, Aug. 13. (NBA)—Science and machinery have become allied to aid the cause of agriculture to the extent that the trend is toward large farms and improved products.

In the U. S. Department of Agriculture's 1929 Yearbook of Agriculture, Secretary of Agriculture Arthur M. Hyde reports: "American farm workers using mechanical power now produce from two to five times as much as similar workers in the older countries of Europe. Though all parts of the country have been affected more or less by this technical progress, the western grain-growing areas have been affected most.

"Mechanical power is rapidly replacing horsepower in heavy work such as plowing and disking in all parts of the country, and in the last few years machinery has become important for cultivating row crops and for grain harvesting."

New machinery is being developed by agricultural engineers

constantly. With the invention of the tractor to pull farm machinery there has been developed the huge grain combines, planters, plows, diskers, harrows and spreaders.

Without tractors under old conditions one man could cultivate from 30 to 50 acres of corn. With a tractor and power cultivator, however, a equipped for four-row cultivation, one man can cultivate from 150 to 200 acres, the Yearbook reports.

Tractors Double Yearly

Proof that farmers are adopting machinery extensively is the increase in the number of tractors in recent years. In 1917, the report states, 62,700 were produced. This was double the production of 1916, but less than half the number produced in 1918. In 1928 the number of tractors turned out was 853,000.

The use of machinery has tended to increase the acreage cultivated by farmers. From 1915 to 1917 Montana had about 35,000 wheat farmers,

many of them operating half-sections or small farms. Today that number has decreased to nearly 14,000. These are handling more land and producing as much as the 35,000.

"New types of implements for cultivating summer fallow have helped to increase the size of farms in the plains and in the mountain states of the west," the secretary reports.

"One of these implements is called the 'duckfoot.' Some wheat growers in Washington substitute this for the plow. One farmer, using 15-horse teams on 12-foot duckfoot cultivators, is able to farm 1600 acres a man. Another new implement that is gaining in popularity is the one-day disk summer-fallow cultivator, which permits a more effective cultivation and results in better yields."

Combine Is Big Aid

One of the most valuable farm machines is the harvester-thresher, known as the combine. To show the value of this machine the secretary cites the instance

of Kansas. In 1925, 20 per cent of the state wheat crop was harvested by this machine, more than 3200 of them being used. In 1928 Kansas used 20,000 combines.

The automobile and truck has greatly aided the farmer. They have opened up the country and new markets for him. In some instances, the secretary reports, use of the automobile or truck saves two-thirds of the farmer's time in delivering his products.

"A recent study shows that before the introduction of trucks the average distance to market points was 18 miles." Science Takes a Hand

Science's part in the improvement of agriculture has been a large one. Science had a large part in the development of the machinery. It has perfected disease-resisting plants by interbreeding. It has developed a toxin for bovine tuberculosis, bath for animal pests, sprays for plant insects, and treat-