

News And Views Of And For Farmers

PRODUCTION OF DAIRY

Output of Five Breeds Given in Farmers' Bulletin.

Comparison Made of Ayrshire, Brown Swiss, Guernsey, Holstein and Jersey—Holstein is Given Largest Average.

The average production of five dairy breeds most generally known in the United States is shown in Farmers' Bulletin No. 893 of the department of agriculture.

For Ayrshire the average of the 2,508 cows that have completed yearly records for advanced registry is 9,555 pounds of milk testing 3.95 per cent.



Champion Jersey.

ducers is 21,538.97 pounds of milk. The ten highest butterfat producers among Ayrshires range from 955.56 to 744.73 pounds, with an average, for these ten, of 855.4 pounds of butterfat.

In the Brown Swiss breed the average of 199 cows that have completed yearly records for the registry production is 10,898.7 pounds of milk, testing 3.95 per cent, amounting to 433.45 pounds of butterfat.

Among Holsteins, 3,220 cows that had completed a yearly record for advanced registry averaged 14,622.7 pounds of milk, testing 3.624 per cent butterfat, amounting to 5,047 pounds of fat.

In the Jersey breed, the average of 2,244 cows that had completed yearly records for the registry of merit was 10,898.7 pounds of milk, testing 3.95 per cent, amounting to 433.45 pounds of butterfat.

The amount of grain consumed by rats and mice is enormous. This can be avoided entirely, but there is no reason why rats and mice should have access to the food hoppers at night, and fill themselves up on manna.



High Producing Guernsey.

7,792 pounds of milk, testing 5.35 per cent, making 417 pounds of butterfat. The ten highest milk producers ranged from 19,694.3 to 16,633.2 pounds, an average, for these ten, of 17,034.4 pounds of milk.

USEFUL FOR WINTER MULCH

Leaves Are Not Only Serviceable When Placed About Plants, But Also Good for Litter.

Save the leaves. They are useful for winter mulch about garden plants, for poultry to scratch in and, when piled and rotted down, make a good fertilizer for the garden.

PUT FARM IMPLEMENTS IN REPAIR IN WINTER

When housing the farm implements for winter make a list of repairs needed to put them in shape for efficient service next year. Order these repairs at once and have them on hand when needed.

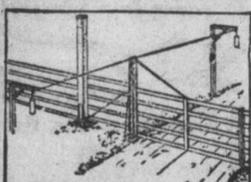
SOME SILO SAYINGS.

'Save the grain' is the motto now. Using silage to feed the cow. Stave off the high costs of dairy feeds with a stave silo. Don't be satisfied with the abstract idea of having a silo; make it concrete. It can't rot out, blow down or burn up.

TILTING GATE QUITE SIMPLE

Inexpensive Arrangement Operated by Weights—Eliminates Shocks and Wear on Mechanism.

The Scientific American, in illustrating and describing a gate, invented by J. W. Loveland of Lincoln, Ill., says: An object of the invention is to provide a simple and inexpensive tilting gate.



Perspective View of Gate.

ing gate, so as to eliminate shocks and wear upon the various parts of the gate mechanism.

BAD TIME FOR HOG CHOLERA

Nation Cannot Afford Loss Involved in Burning 116 Hogs That Have Died of Cholera.

Burning 116 hogs that have died of cholera is no pleasant duty. The nation, moreover, cannot afford the food losses in this country of more than \$2,000,000.

Every hog raiser can aid in preventing so great a loss from cholera recurring this year. Keep the hogs healthy. Clean pens, clean water and right feeding increase the hog's resistance to disease.

Effective control of hog cholera requires more than individual effort. It requires neighborhood co-operation. When cholera appears in a vicinity all hogs on neighboring farms should be promptly treated with serum or serum and virus.

Quarantine of the premises where there is cholera or where herds have been double-treated should be enforced for a reasonable time. Eggs dying from cholera should also be quickly burned or buried, and a thorough disinfection made of the yards and pens before the quarantine is removed.

KEEP FOOD HOPPERS CLOSED

Enormous Amount of Grain Consumed by Rats and Mice Can Be Partially Avoided at Night.

The amount of grain consumed by rats and mice is enormous. This can be avoided entirely, but there is no reason why rats and mice should have access to the food hoppers at night, and fill themselves up on manna.

Keep deep litter on the floor, and toss it up each night, so that the hens will have no difficulty in scratching in it. This kind of exercise in the morning will be good for them.

PROPER SEEDBED FOR GRAIN

Soil Should Be Mellow and Well Pulverized About as Deep as the Seed is Planted.

The ideal seedbed for sowing small grain should be mellow, but well pulverized about as deep as the seed is planted. Below the depth at which the seed is planted, making a good connection with the subsoil, so the water stored in the deeper soil may be drawn up by capillary into the surface soil. The firm soil below the sprouting seed supplies the necessary moisture while the mellow soil above favors the upward growth of the young shoots in the air and sunshine.

GOOD COMBINATION ON FARM

Grasses and Live Stock Go Hand in Hand—Proper System of Rotation is Favored.

Grass and livestock should go hand in hand. There is no farm which, if properly managed and kept at least one-half of the time in grasses and clovers, and gradually brought under a proper system of rotation, would not produce more, in fact double the crops which it now does, and get continually growing better and better.

The Market Reports

GRAIN QUOTATIONS

Toronto, Feb. 1.—Ontario wheat No. 2 winter, \$2.22 per car lot basis, in store, Montreal. Manitoba wheat—No. 1 northern, \$2.23 1/2; No. 2 northern, \$2.20 1/2; No. 3 northern, \$2.17 1/2; all in store, Port William, including 2 1/2% tax.

Oats—Canada western, No. 2, 89 1/2c. in store, Port William; No. 3, 88 1/2c. in store, Port William; Ontario No. 3, white, 88c. to 89c.; No. 2 white, 87c. to 88c., according to freight.

Peas—No. 2, \$3.70 to \$3.80, according to freight, outside. Rye—No. 3, \$1.83 to \$1.85. Barley—\$1.48 to \$1.50, according to freight, outside.

Buckwheat, \$1.57 to \$1.60. Manitoba flour—War quality, \$11.10. Ontario flour—War quality, Toronto, \$10.60.

Milled—Manitoba bran, \$35 per ton; shorts, \$40 car lots, delivered, Montreal.

Minneapolis. Minneapolis, Feb. 1.—Corn, No. 3 yellow, \$1.66 to \$1.71. Oats, No. 3 white, \$2.15 to \$2.18. Flour unchanged. Bran, \$32.50.

Montreal. Montreal, Feb. 1.—Corn—American, No. 2 yellow, \$2.15 to \$2.30. Oats—Canadian western, No. 2, \$1.91; extra No. 1, feed, \$1.91; No. 2 local white, 97c.; No. 3 local white, 96c.; No. 4 local white, 95c.

Flour—Manitoba spring wheat patents, firsts, \$11.65; seconds, \$11.10; strong bakers, \$13.90; straight rollers, bags, \$25 to \$3.40. Rolled oats—Barns, 90 lbs., \$5.30. Bran, \$5; shorts, \$40; middlings, \$48 to \$50; moullie, \$56 to \$58.

Hay—No. 2, per ton, ear lots, \$14.50 to \$15.50. Winnipeg. Winnipeg, Feb. 1.—Oats—No. 2 C.W., 80 3-8c; No. 3 C.W., 83 7-8c; extra No. 1 feed, 83 5-8c; No. 1 feed, 80 3-8c; No. 2 do., 76 3-4c.

Barley—No. 3, \$1.49 1/2; No. 4, \$1.44 1/2; rejected and feed, \$1.25. Flax—No. 1 N.W.C., \$3.22 3-4c; No. 2 C.W., \$3.19 1-4; No. 3 C.W., \$3.02 3-4.

LIVE STOCK MARKETS

Toronto. Toronto, Feb. 1.—Extra choice heavy steers, \$12.00 to 12.75; do, good heavy, \$11.00 to \$11.75; butchers' cattle, \$11.00 to \$12; do, good, \$10.25 to \$10.75; do, medium, \$9.50 to \$10.00; do, common, \$8.75 to \$9.00; butchers' bulls, choice, \$10.00 to \$10.60; do, good, \$8.75 to \$9.25; do, medium, \$8.50 to \$9.25; do, rough, \$7.50 to \$8.50; butchers' cows, choice, \$9.75 to \$10.50; do, good, \$8.60 to \$9.25; do, medium, \$7.50 to \$8.50; do, rough, \$6.50 to \$7.25; yearlings, \$11.75 to \$12.75; lambs, \$17.50 to \$18.50; calves, good to choice, \$16.00 to \$16.00.

Montreal. Montreal, Feb. 1.—Choice steers, \$12 to \$12.50; do, good, \$11 to \$12; do, medium, \$9.75 to \$10.50; choice butchers' cows, \$10 to \$10.50; do, good, \$9.25 to \$9.75; do, medium, \$8.50 to \$9.25; do, rough, \$7.50 to \$8.50; butchers' cattle, \$6 to \$8. Sheep—\$11 to \$12.50; lambs, \$15 to \$16.75. Calves—Milk fed, \$12 to \$15; grass-fed, \$8 to \$9. Choice select hogs, off cars, \$15.00 to \$20.

Buffalo. East Buffalo, Feb. 1.—Cattle—Receipts, 500. Steady. Calves—Receipts, 200. Easier; \$7 to \$18; few at \$18.25. Hogs—Receipts, 6700. Strong; heavy mixed, and yorkers, \$17.10; light yorkers and pigs, \$16.50 to \$17.75; roughs, \$15.25 to \$15.50; stags, \$13 to \$14.50. Sheep and lambs—Receipts, 3000. Steady and unchanged.

Chicago. Chicago, Feb. 1.—Cattle—Receipts, 7000, market steady. Beves, \$8.85 to \$14.10; stockers and feeders, \$7.40 to \$10.65; cows and heifers, \$6.40 to \$11.90; calves, \$9 to \$15. Hogs—Receipts, 12,000; market strong; light, \$15.20 to \$16; mixed, \$15.55 to \$16.10; heavy, \$15.50 to \$16.05; pigs, \$12.25 to \$14.50; bulk of sales, \$15.75 to \$16.05. Sheep and lambs—Receipts, 14,000; market firm; western \$10 to \$13.50; lambs, native, \$14 to \$17.85.

Winnipeg. Winnipeg, Feb. 1.—Live stock offerings at the yards were 650 cattle and 893 hogs. Cattle trading steady. Hogs, 10c stronger. Butcher offers, \$7 to \$11.50; heifers \$6.75 to \$10.50; cows, \$4.75 to \$9.25; bulls \$5 to \$8.50; oxen, \$5 to \$9; stockers and feeders, \$6.75 to \$9; calves, \$6 to \$11. Hogs—Selects, \$17.75; heavies, \$13.50 to \$15.50; sows, \$12 to \$13.50; light, \$13 to \$14.50.

New York. New York, Feb. 1.—Beves—Receipts, 716 head; no trading. Calves—Receipts, \$6.87 head; market steady; yearlings, \$12 to \$19; culls, \$14; western, \$12.50. Sheep and lambs—Receipts, 1,080 head; market steady; sheep, \$8.50 to \$12; culls, \$7 to \$8; lambs, \$17 to \$20. Hogs—Receipts, 1,500 head;

Flour, cwt, second grade

Feed flour, bag 3.10 3.50 Hay baled, ton 14.00 17.00

Hay, loose, ton 13.00 15.00 Middlings, ton 54.00 56.00

Oats, Man. bush 85 Oats, local, bush 85

Shorts, ton 43.00 45.00 Straw, baled, ton 10.00

Straw, loose, ton 8.00 Wheat local bush 2.25

Beef

Cuts, lb. 15 20 Local carcass, lb. 15 18

Local, hinds, lb. 20 Local, fronts, lb. 15

Western carcass, lb. 19 1/2 20 1/2 Western front, lb. 15

Western hinds, lb. 22 Hogs, live, cwt. 19.00

Hogs, dressed, cwt. 26.00 Mutton 25

Poultry

Chickens, dressed, lb. 25 28 Chickens, live, lb. 25 28

Hens, dressed, lb. 25 26 Hens, live, lb. 20 25

Turkeys, lb. 30 35

Vegetables

Beets, bus. 75 1.00 Cabbage, head 10

Carrots, bus. 75 1.00 Celery, bunch 1.00

Lettuce, bunch 1.00 Parsnips, bunch 10

Potatoes, bush. 1.75 5 Onions, dry, lb. 5

Hides, Etc.—John McKay, Limited. Goose down, per lb. 75

Red Foxes, Prime No. 1, up to 16.00

Raccoon, up to 5.00 Skunks, up to 3.00

Mink, up to 5.00 Hides, green trimmed, 3 lbs., lb. 12

Lamb skins, fresh up to 4.50

Deacon skins, No. 1 1.50 Horse hides, No. 1 large 5.00

Tallow Cakes, 10 12 Wool, washed, lb. 70

Wool, unwashed, 50 Genising, wild dry per lb. 8.00

Beeswax, lb. up to 32 Shearings, up to 2.50

Kips, lb. 13 Beaver, up to 12.00

Otter, up to 20.00 Black Bear, up to 20.00

Fisher, up to 30.00 Cross Fox, up to 50.00

Lynx, up to 17.00 Marten, up to 30.00

Wolf, up to 10.00 Badger, up to 2.50

Weasel, up to 1.25

SEVERE DEPRECIATION IN CANADIAN STOCKS

Preferred Issues Have Fared Much Better Than Common Stocks.

Montreal, Feb. 1.—The Financial Times estimates that from the high points of 1917 to the closing or minimum prices, eighty-one Canadian common stocks, listed on the Canadian stock exchanges, depreciated in market value approximately \$195,200,000, or 20.45 per cent, while forty-seven preferred stocks depreciated approximately \$18,000,000, or 11.2 per cent.

B. C. Mineral Production. Victoria, B.C., Feb. 1.—Revised estimates of the value of the mineral production of British Columbia for 1917 show the total will be approximately \$37,500,000. This is a falling off from the total of 1916, of \$4,730,000.

Changes in Nickel. New York, Feb. 1.—E. F. Wood has resigned as first vice-president of the International Nickel Company, and R. C. Stanley, general superintendent of the Bayonne works, has been elected to succeed him.

Buyers Coal Property. New York, Feb. 1.—The Republic Iron & Steel Company has purchased the Bessemer Coal & Coke Company's property in Allegheny county, Pennsylvania, consisting of about 3,000 acres of coking coal, with two shaft openings with a rated capacity of approximately 4,000 tons a day. The purchase price is understood to have been in the neighborhood of \$3,000,000.

Commercial Notes. The Canadian people have subscribed \$700,000,000 to domestic war bonds. American Woolen Co. during last year made bigger earnings than in any other year of its business career, the U. S. Government contracts amounting alone to \$100,000,000.

It is probable that final figures will show that in its year to December 31st last, International Paper earned close to \$4,000,000 for its preferred and common stocks. Directors of the New York Air Brake Company will meet on Feb. 20th for action of the dividend. It is probable that the stock will be put on a 20 per cent. regular basis at that time.

A cash dividend of 50 per cent. the first in its history—has just been paid by the Minerals Separation Company Limited, of London, the parent concern controlling ore flotation patents throughout the world. The United States had half a dozen concerns manufacturing aniline dyes before the war and now has 200, with \$200,000,000 invested capital. Thirteen German concerns got coal tar from America before war and controlled the world dye trade.

Lackawanna Steel Company's 1917 earnings probably will exceed \$25,000,000 before deducting excess profits tax. These taxes are estimated at around \$9,500,000, so that the actual balance applicable to dividends may be placed at approximately \$15,500,000, equivalent to nearly 45 a share on the \$35,000,000 stock outstanding.

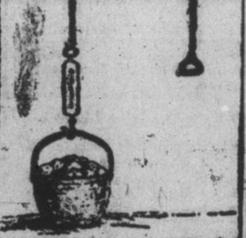
Called to a house in Great College-street, Camden Town, London, the police found that a woman had been shot dead with a revolver. Later in the day her husband, Henry Stephen Canham, twenty-two, a private in the Machine Gun Corps, Expeditionary Force, France, was charged before Mr. Symonds at Clerkenwell, with wilful murder, his wife being described as Gladys Ann Canham. Prisoner, a youthful-looking, clean-shaven man, of smart appearance, showed no sign of emotion.

Divisional Detective-Inspector Neil said that he went to Great College-street, and in a back bedroom on the second floor saw the woman's body on a bed. There were wounds in the chest and back. When he told prisoner at Somers Town Station that he would be charged with the murder of his wife, Canham replied:— 'Yes, I know. I shot her with my service revolver (pointing to the weapon). I consider that I only did my duty, as I have done in France. I went to France, about sixteen months ago, and soon after I heard that she had sold up my home with the exception of a few things. She had left the baby to be looked after by anybody, and was leading an immoral life. I have letters to prove it. I had to get her allowance stopped. I came home on leave. I was told that she was staying at Swanage. I did not see her until last night. I received a telegram from her from Charing Cross asking me to meet her at her people's place at Blackfriars. I went and somehow she got round me. I said I would forgive her if she would give up her mode of life and look after the child. She said she would. We went home to my mother's place at Great College-street and went to bed. During the night she said that she had got a complaint which she thought she had received from an

WEIGHING DEVICE IS HANDY

Farmer Enabled to Read Record at His Leisure and Comfort—Burden Taken From Hands.

Many times farmers weigh heavy articles by holding the scales and their head by one or both hands, while trying to read the wavering record on the face—a burden at arms length. Note the easier way. As one holds the lever down he reads at leisure, and with comfort, the weight which the scales show. The "beam-and-pen" scales can be used in the same way.—Orange Judd Farmer.



Weighing Convenience.

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MUCH INJURY IS DONE SOIL

Live Stock Crush Particles Together, Drive Air Away and Induce Formation of Clods.

A great injury is done every soil when live stock is given liberty and freedom over it, and especially when fall, winter and spring are on with wetness and cold. They crush the soil particles together, drive the air away, induce the formation of clods and holes, and deaden the soil and drive life away.

Cattle have no place in fields, cultivated or grass lands, when the soil conditions are such that they tramp the fields. Place stock during such periods in feeding lots.

TIME FOR MAKING REPAIRS

List of Jobs Required Should Be Made and Work Completed Before Cold Weather Sets In.

Are there repairs that ought to be made in the dairy before winter? Better spend a half-hour making a list of them; and then fix each one as quickly as possible. This will save time and trouble later on.

Galt Police Get Increase. Galt, Feb. 2.—General increase has been made in salaries of Galt police force, all but Constable Teahen, new man, getting \$100 increase, and he was given \$50. Chief Gorman now receives \$1,400 per annum. Sergeants Burch \$950, two constables \$900, and one \$850.

The Lord doesn't want you and I to take Salvation as a favor, but because we need it.

Have Your Car Overhauled and Stored for the Winter at THE Central Garage, 335 King St., ED. WALSH, Proprietor.

Cook's Cotton Root Compound. A safe, reliable, and effective medicine. Sold in three sizes: No. 1, 2, 3; No. 3, 5, 10 per box. Sold by all druggists, or sent free on receipt of price. Free pamphlet. Address THE COOK MEDICINE CO., CHESTER, N.S.W. (Canada Branch)

For the Boys at the Front. CHOCOLATE. "The Ready-to-use Chocolate" Contains the Chocolate, Milk and Sugar. Prepared Instantly by Adding Boiling Water Only. No Cooking or Milk Required. For Sale By D. Couper, Phone 76, 261-3 Princess St.

For LIFE ACCIDENT FIRE INSURANCE. J. B. COOKE, 332 King Street, Phone 503, Residence 842.

Fresh Haddock and Cod, Whiting, Tom Cods, Smelts, Oysters. Dominion Fish Co.

National Breweries. Manufacturers of the Famous Dow's and Dawes LIGHT ALE & PORTER. Order a Case from The Thompson Bottling Co., Sole Agents, For Kingston District, Tel. 304, 202 Princess St.

Duchess of Marlborough Presents Gift Composed of 15 Rows of Vanderbilt Pearls. London, Jan. 31.—A magnificent collar, composed of fifteen rows of the famous Vanderbilt pearls, connected with large diamonds and set in plaques, worth in all about \$25,000, is the Duchess of Marlborough's gift to the children's jewel fund. Three diamond tiaras already have been sent to the duchess for the fund, of which she is the treasurer. Every woman is asked to contribute one piece of jewellery to help establish child welfare and maternity centres, of which 5,000 more are needed in the United Kingdom.

THE STANDARD BANK OF CANADA HEAD OFFICE - TORONTO COLLECTIONS Business houses will find our facilities for making collections particularly favorable. EST'D 1857 J. F. ROWLAND, Manager.