

Classified Advertisements

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Physician and Surgeon
Office at Residence, formerly the R. R. Call Property
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Principal
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BUSINESS COLLEGE
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No Washing.

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MRS. DR. F. C. McGRATH,
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KLENZOL—The master of
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Dr. J. Beaton,
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We handle stock of A 1 quality
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Promptly placed with A-1 Companies
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Take no Substitute

The Value Of Culling and Selecting The Dairy Herd

For the past eight years an experiment on the grading up of a dairy herd from the common stock of the district by the use of pure bred sires from high producing dams has been carried on at the Experimental Farm at Nappan, N. S. All females, good and poor alike, have been retained in the herd not because it is the usual policy followed by the Experimental Farms but for experimental purposes. A record has been kept of all feed consumed and all milk produced has been weighed and tested for its butter fat content. Thirty-nine have completed one or more lactation periods.

When checked up by the feed scales, and Babcock test method, eighteen cows in this experiment that had completed their sixth lactation period gave an average yearly production of 5268 pounds of milk testing 3.566 per cent fat and yielding profit over feed was \$23.02 or \$414.36 for the eighteen. The above average production of milk is higher than that of the average dairy cow of the Dominion and may be considered as high enough to keep the cow out of the boarder class but not high enough to return much profit. Let us see how selection would have affected the above mentioned results.

An examination of the records shows that 8 of the 18 cows gave less than 5000 pounds of milk, and of these two gave less than 4000 pounds and one less than 3000 pounds. Taking 5000 pounds as a fair standard of milk production 44.5 per cent of the group would have had to be culled out. The ten remaining cows gave an average yearly production of 6276.5 pounds of milk testing 3.6 per cent fat and yielding an average of 254.46 pounds of butter. The cost of feed averaged \$55.65. The average profit over feed was \$34.18 or \$314.80 for the ten. That is the ten good cows gave within \$72.56 as much profit as the eighteen. In other words if the 8 poor cows had been culled out \$417.74 worth of food would have been saved. This, together with the profits realized from the ten good cows, is \$759.54 or \$314.18 more profit than was realized from the full group of eighteen cows. Who would feed eighteen cows if he could get greater profit from feeding ten?

The efficacy of the Babcock test was also brought out very strongly by this experiment. For example, of two cows, one gave 6039 pounds of milk testing 2.9 per cent fat, yielding 207.75 pounds butter at a feed cost of \$66.57 and a profit over feed of \$17.59, while the other gave 3075 pounds of milk testing 4.5 per cent fat yielding 162.93 pounds of butter at a feed cost of \$37.65 and a profit over feed of \$17.03. From a butter production standpoint these cows were practically of equal value but if milk were the product sold the former would be much more profitable than the latter. The poorest cow in the eighteen gave 2113 pounds of milk testing on an average 2.9 per



Youth and Age

THERE is no time in woman's life that she cannot benefit by the use of Dr. Chase's Nerve Food in order to keep up the supply of pure, rich blood and to ensure a healthful condition of the nervous system.

Headaches, neuralgia, sleeplessness, nervous spells, irritability, tired, worn-out feelings, soon disappear when the vigor and energy of the nerves are restored by the use of this great restorative.

50 cents a box, 6 for \$2.75, all dealers, or Edmondson, Bates & Co., Ltd., Toronto.

Dr. Chase's
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Forms Ready In Few Days For Income Tax

The Dominion income tax return forms, T1, T1A, and T2, which, under the act, must be used in filing individual incomes, farmers' incomes and corporations' and incorporated companies' earnings respectively for the 1920 period are not yet available for distribution and those who have already handed in to the inspector of taxation returns in any of these classes on 1919 forms have submitted incorrect returns according to the amendments made to the act in 1920.

Under the amendment to the act any one who does comply with the regulation which obliges those filing returns this year to compute their assessments and accompany them with an amount equal to one quarter of the tax in each case is liable to a penalty amounting to one quarter of the tax.

The new forms which must be employed this year will not be given out until pamphlets of income tax information and instructions directing the manner in which returns in any of these three classes should be made are received. When they do arrive both the forms and the explanatory pamphlets will be available from postmasters. It is expected both would be in hands of the postmasters within a few days.

Under the amendment, those filing returns under any of the three classes named must accompany their returns with a check covering 25 per cent of the amount of the tax or surtax, the balance, if any to be paid in three equal bi-monthly instalments.

"Some returns in these classes covering the period of 1920 have been received made out on 1919 forms," said an official at the office of the inspector of taxation, this morning. "These returns are not correct," he continued, "neither have they in every case been accompanied by the check required by the amendment to the act which reads as follows:

"Every person liable to pay any tax or surtax under this act shall send with return of the income upon which such tax or surtax is payable not less than one quarter of the amount of such tax or surtax, and may pay the balance, if any, of such tax or surtax is not more than three equal bi-monthly instalments thereafter, together with interest at the rate of six per cent per annum upon each instalment from the last day prescribed for making such returns to the time payment is made."

The returns made in any of these three classes must be filed on or before April 30, 1921, at the office of the inspector of taxation in the Dominion Savings Bank building, Princess street.

Forms T3, T4, and T5, which are the forms that should be used in making returns for estates, employers' returns for employees and corporations' returns for dividends paid are available at the office of the inspector of taxation. These forms must be filed on or before March 31, 1921.

cent fat yielding 72.07 pounds butter at a feed cost of \$52.05 proving a loss of \$27.42. Such a cow might easily be retained in the herd were not these tests applied.

A careful study of the individuals in a herd to ascertain which makes profitable use of the feed consumed is often warranted. For instance, one cow gave 7999 pounds of milk testing 3.3 per cent fat, yielding 310.56 pounds of butter at a feed cost of \$58.33 and profit over feed of \$50.22. Another cow produced 7590 pounds of milk testing 3.7 per cent fat yielding 330.38 pounds butter at a feed cost of \$64.43 and a profit over feed of \$49.39. This shows that the latter cow did not respond as economically to feed consumed as did the former for even though she consumed extra feed to the value of \$6.10 and had 14 per cent fat in her favor she made \$3 cents less than profit.

Moral: Fix a standard of quantity, quality, and economy in milk production for your cows to go by. Buy a milk scale (which may also be used as a feed scale) and a Babcock tester; weed out the star boarders; fit them for the butcher; feed the real producers the extra feed; then watch the profits grow.

EDUCATION COSTS

Victoria, B. C. March 9Rit cost about \$70 to educate each public in the public schools of British Columbia last year, and of the total cost of education the Provincial Government contribution approximately forty per cent. Nearly three-quarters of the teachers in British Columbia are women. These are some of the features of the annual report presented in the legislature by the minister of education.

Children Cry for Fletcher's

CASTORIA

Fletcher's Castoria is strictly a remedy for Infants and Children. Foods are specially prepared for babies. A baby's medicine is even more essential for Baby. Remedies primarily prepared for grown-ups are not interchangeable. It was the need of a remedy for the common ailments of Infants and Children that brought Castoria before the public after years of research, and no claim has been made for it that its use for over 30 years has not proven.

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Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is pleasant. It contains neither Opium, Morphine nor other narcotic substance. Its age is its guarantee. For more than thirty years it has been in constant use for the relief of Constipation, Flatulency, Wind Colic and Diarrhoea; allaying Feverishness arising therefrom, and by regulating the Stomach and Bowels, aids the assimilation of Food; giving healthy and natural sleep. The Children's Comfort—The Mother's Friend.

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Onion Culture

Failure with this crop is due principally to delayed seeding in the spring. If an early start is not possible the crop will not mature before the cool damp weather of fall starts, resulting in continued growth and the formation of thick necks rather than the development of bulbs. This may be overcome by an early start which gives a well developed bulb toward the latter part of August, at which period a maturity in the bulb is hastened because of the hot and usually dry weather. If the onion has not reached a certain development at this time vegetative growth will likely continue uninterrupted and good maturity is not likely to be obtained. Seeding should be done as early as the ground is dry enough to work.

The Extra Flat Red is one of the earliest of red sorts. Yellow Globe Danvers is also early maturing but later than the above and much more desirable for most markets. The Prizebreaker is too late for seeding in the open and unless the season is very favourable they will not mature.

Any good garden soil will grow onions. The land is better if matured in the fall, but well composted manure may be applied in the spring and worked into the surface soil. Acid phosphate at the rate of 600 pounds per acre and nitrate of soda at the rate of 200 pounds per acre or a mixed fertilizer at the rate of 500 pounds per acre may be applied to give the plants a good quick start. This should be harrowed or raked in to the surface soil before seeding.

The seed is usually planted in rows one foot apart and the soil well firmed by rolling or tamping. Just as soon as the plants are nicely up loosen the surface soil between the rows and follow shallow cultivation throughout the season providing a shallow surface covering of fine soil. They should be thinned to about 2 inches apart.

The above varieties were grown at the Experimental Station, Kentville, on a light sandy loam from seed sown May 8th, 1920. Early Flat Red yielded 15.18 tons, Globe Danvers 14.52 tons and Prize taker 21.78 tons per acre. The latter were not as well matured as the other two sorts.

The seeds may be started in shallow boxes and transplanted. From the results tabulated below the ad-

vantage of early seeding to get well developed plants for planting to the open is obvious. The seed if of good germination may be sown at the rate of about 10 to the square inch and not be over thick and a box having 2 feet of surface will give plenty of plants for home use. Three inches depth of soil is sufficient. After the plants are nicely started keep in a bright window and not too warm. The Prizebreaker is the best sort for the transplanting. Seed started March 22nd and transplanted May 11th yielded 27.06 tons of fully matured bulbs per acre. These were planted 3 inches apart in the row. Prizebreaker was thinly planted in flats February 7th and set to the open ground May 10th, 3 inches apart in the rows and produced 53.9 tons. It should be stated, however, that the latter grew on soil in better fertility than where the others were grown, the soil having previously been in onions for several years.

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