

Agricultural Hints

HOW TO PLANT TREES

As a sequel to the taking over by the Experimental Farms Branch of the federal Department of Agriculture of the Forestry Experimental Station in Saskatchewan, the Publications Branch has available for distribution in Manitoba, Saskatchewan and Alberta a supply of copies of a special bulletin—Forest Service No. 1. On the subject of tree planting on the prairies. This bulletin is one of the most interesting and practical text books on the subject to which it relates, and is certainly well worth the trouble of writing for a copy. The Shelter belts of suitable trees and hedges are doing much to raise the standard and comfort of home-life on the bald prairie areas. For success in growing trees or hedges under prairie conditions one must know what to plant, when to plant it, how to plant it, and where to get it. These points are all dealt with fully in the bulletin referred to.

BRITAIN BUYS MORE

The current newsletter issued by the Dominion Dairy and Cold Storage Branch at Ottawa contains some very interesting figures with respect to imports of butter in the United Kingdom for 1930 and 1931. Canada has at last come into the picture as an exporter of butter to the extent of 8,656,900 lbs., or 0.96 per cent for 1931. While this indicates a healthy movement in the direction of developing export trade it means very little compared with the possibilities present, as shown by the fact that imports, of butter for 1931 totalled within 15 tons of 90,000,000 lbs., an increase of some 149,000,000 lbs. over the preceding year 1930. These figures show that the Old Country is importing a steadily increasing volume of butter; they also give a fine indication of the potential market for Canadian export butter.

CROP ROTATION BENEFITS

As expressed by E. S. Hopkins, Dominion Field Husbandman of the Department of Agriculture, "the chief advantages of crop rotation consist in maintaining the productivity of the land at a higher level, in distributing the farm labour more uniformly throughout the season, and in controlling more effectively weeds, insects, and fungous diseases. Crop rotation is the growing of different crops upon the same land in a definite order and in recurring succession."

THINNING APPLES BEST

Experimental work carried out at the federal Experimental Station at Kentville, N. S., affords conclusive evidence as to the value of the practice of "thinning" apples. As applied to the variety Wealthy an increase in value amounting to \$34.76 per acre was secured. Some of the advantages from thinning are the elimination of extra cost for picking, for hauling, for packing, and for barrels. The cost of thinning was placed at 14.6 cents per tree, or \$7.88 per acre, resulting in a direct saving in labour and supplies alone of \$21.13. The other \$13.63 increased value comes from the higher price received for the better quality fruit, produced as the result of thinning.

NEUTRALIZING CREAM

The partial neutralization of the lactic acid in cream is necessary to ensure the efficient pasteurization of cream for buttermaking, states W. F. Jones, B. S. A., Chief of the Division Department of Agriculture. The pasteurization of unneutralized cream results in a high loss of fat in the buttermilk and a poorer quality of butter owing to a higher curd content. When butter is made from unneutralized cream, neutralization is unnecessary and unduly expensive.

QUARANTINE P. E. I. FOXES

As a result of a Ministerial Order of February 10, 1932, all foxes entering or leaving the province of Prince Edward Island must be inspected by a qualified veterinary inspector. The order also provides that no foxes shall be imported into or exported from the island unless accompanied by a federal inspector's certificate of inspection.

AVOID SHIPPING FEVER

The Veterinary Director General has prepared for the assistance of owners of farmers and cattlemen in the control of "shipping fever" a special pamphlet which deals in a precise and practical manner with the subject. Shipping fever is a disease of considerable economic importance but one which can be controlled or eliminated if practical measures are taken at the right time. Copies of this pamphlet can be obtained by application direct to the Health of Animals Branch of the Department of Agriculture at Ottawa.

PURE MAPLE PRODUCTS

This is the time of the year, with longer days, more sunshine, and the touch of spring in the air, that makes one think of that treat of treats associated with the coming of spring—maple syrup and maple sugar. The industry in Canada has been revolutionized to such an extent that it now ranks as a manufacturing art, but what is more important, under the provisions of federal legislation brought into effect last year where any product is offered for sale or

in public, the word "maple" is required by law to mean "100 per cent pure." That is, absolutely no adulteration or modification of any kind other than those elements derived from pure maple sap itself are permitted. The bulk of maple production finds a market in the form of sugar, in great demand by tobacco interests for seasoning and curing their products. Probably the next important market is found with the ice cream trade, which now use absolute pure maple syrup to flavor their product sold as maple ice cream.

APPROVED CHICK SUPPLY
The term government approved is applied only to chicks which are produced under the provisions of the several poultry policies which have been built up over a number of years by the Dominion Department of Agriculture. There are two general classes of chicks produced under the federal approval policies.

Approved Breeder-Hatchery Chicks:

These are the chicks which are produced on the Registered or R. O. P. breeder's own plant, and from their own flock matings which have several years of R. O. P. or Registered blood lines behind them, and which are entered under the Hatchery Approval Policy. This grade of chicks is especially suited for use as foundation stock, being the direct progeny of birds which have been bred and tested by individual trapping under Dominion government supervision. It is the class of chick preferred by those who seek the very highest in quality for their commercial flocks, or for use as foundation stock. The Approved Breeder-Hatchery operates under government supervision. This includes regulation with respect to the operation of the hatchery plant itself, source of egg supply, egg size, and proper selection of chicks.

Approved Chicks:

These are produced only by hatcheries entered under the Federal Policy of Hatchery Approval. They represent the big bulk of supply of chicks of dependable quality. Not only does the hatchery supplying these chicks operate under government supervision, but only eggs normal as to shape and of a certain size may be set, while the flocks from which the egg supply is obtained are rigidly selected by government inspectors before mating with male birds of approved quality. Approved chicks can be obtained only from an approved hatchery.

R. O. P. Sired Chicks:

A further sub-division of the Approved Chick class is provided where the approved chicks have been R. O. P. sired. This means that all the flocks used as the source of egg supply for the hatchery offering such chicks for sale are readied by Approved R. O. P. males, the progeny of certified R. O. P. females.

WILL HELP FARMERS

There is more than passing interest in the resolution endorsed by the Canadian Produce Association at its Twentieth Annual Convention at Guelph, February 16th and 17th, which is a direct undertaking on the part of the man whose business it is to find a market for butter, eggs, and other products, to endeavor to stabilize prices and instill confidence with the view to maintaining fair market values and thereby to ensure to the producer a larger measure of return for his products.

PULP AND PAPER SHOWS INCREASE

Fredericton, N. B., March 4.—During 1931, 483,453 cords or 241,000,000 feet of wood was manufactured in the New Brunswick pulp and paper mills, according to figures given in the annual report of the Department of Lands and Mines.

The amount manufactured last year, when the total amount manufactured in New Brunswick was 409,558 cords. The report of the Deputy Minister of Lands and Mines states that of the total amount of wood manufactured in the pulp and paper mills of the province during 1931, 189,285 cords or 94,000,000 feet were supplied from Crown Lands.

The report goes on to say that: "The timber cut in the past logging season of 1930-31, namely 104,000,000 feet, was slightly over the estimate of 90,000,000 and less than half the preceding year's cut, when it totalled 224,000,000 feet. During 1930-31 40,042 railway ties were cut from Crown Lands as compared with 60,243 ties in the preceding year."

"The unmanufactured pulpwood exported from New Brunswick during 1931 amounted to 171,305 cords which is in excess of the amount exported in 1930, namely 165,280 cords."

FOREST FIRE LOSSES LOW

Fredericton, N. B., March 4.—Forest Fire losses in New Brunswick during 1931 were usually low and the year was one of the most successful on record from a fire protection standpoint, according to statistics contained in the annual report of G. L. Miller, Chief Forester, to Hon. L. P. D. Tilley, K. C., Minister of Lands and Mines.

The total loss through forest fires in 1931 was slightly more than one-half the damage reported in the previous year. There were 203 fires re-

ported, covering 3,549.81 acres with damage of \$8,257.44 and fire fighting costs of \$8,429.88 making a total loss of \$17,687.32. During the year 5343 settlers slash burning permits were issued covering 14,600 acres mostly in new settlements. Forest travel permits to the number of 16,027 were issued during the year. Lookout tower construction in 1931 was confined to one project, that of replacing an old wooden tower at Mount Hope with one of modern steel construction.

After Hockey, Minard's—no stiff-neck.

Here and There

New Brunswick will be selected as the training ground for the Boston Bruins Hockey Club prior to the 1932 N. H. L. season. About 40 players will go into the hunting camps some time around October 15.

Autumn sowing of all grains in Soviet Russia last year amounted to 95,400,000 acres, representing a decrease of 10.8 per cent from the official fall sowing programme mapped out by the government, according to a recent cable received by the Canadian Department of Trade and Commerce.

Week-end trips, so popular last year on Canadian Railway lines, will remain in force this year after February 29, the date set for their discontinuation. The Canadian Passenger Association has reached this decision under pressure of public demand. Under this arrangement, round trip tickets between any Canadian stations for any week-end are offered by the railways at the rate of one and a quarter times the regular single fare.

Two Alberta speed-skating records were smashed at the recent Banff Winter Sports Carnival. The 220 yards event was won by A. E. Hardy, of Saskatoon, in 20 seconds flat, 4-5 seconds better than the former Alberta record. The Three mile event, was also taken by Hardy in 9 minutes and 2-5 seconds, being 23 and 3-5 seconds less than the former Alberta record. Miss Margaret J. Nicol, of Drumheller, was elected Carnival Queen and will reign over the Banff Winter Sports Carnival of 1933.

Travellers in Canada at Easter-time will have the benefit of the same ticket privileges as were granted them at Christmas, according to a recent announcement made by the Canadian Passenger Association on behalf of the Canadian Pacific and Canadian National Railways. The concession will be fare and a quarter for round trip generally to the travelling public, between Thursday, March 24 and Sunday, March 27 with return available up to Tuesday, March 29.

Fifty-seven 10-year leases of salmon and trout fishing rivers, lakes and streams in New Brunswick will be put up to public auction at the Parliament Building, Fredericton, April 7 next, at upset prices ranging between \$25 per annum and \$12,000 per annum, is the announcement of Hon. L. P. D. Tilley, provincial Minister of Lands and Mines. They represent the pick of salmon fishing localities on this side of the American continent.

At the close of a meeting of the directors of the Canadian Pacific held at Montreal, February 8, President E. W. Beatty announced that in order to help western farmers over the present period of depression the Company has offered to write-off interest on land contracts for the year 1931. This offer will be extended to the year 1932 on condition that the contract holder pays his taxes and one full installment on his contract this year. Further encouragement in the form of a bonus will be given to those who make payments on account of arrears of interest, the bonus to be in proportion to payment made. This should be of great assistance to contract holders on the Company's lands who have suffered through depressed markets or crop failures. (824)

Basketball, Stiffness—Minard's, relief.

Strathmore Farm Holds Three Milk and Butter Production Records

When milk and butter are the topic of conversation, attention must needs be directed to the Canadian Pacific Railway's supply farm, at Strathmore, Alta., where three bovine aristocrats have established outstanding production records for 1931, for the whole of Canada. There is little to choose between the three cows; a glance at their pictures tells the story. Excellent stock, well handled, has once more proven its worth and E. W. Jones, the company's Superintendent of Agriculture and Animal Industry, is justly proud of the achievement.

Mona Pontiac Walker—134648—under Government regulation, led all the milk-producers in Canada by over 2,000 lbs., having completed a yearly record on November 27, 1931, with 30,464 lbs. of milk and 1,160 lbs. of butter. In 1930, as a four-year-old, she held another record, with 28,202 lbs. of milk and 1,071 lbs. of butter. The next highest milk production record for 1931 goes to Primrose Lily Pietje—151147—who also held the butter record for the Dominion for the same year. Her performance was 28,271 lbs. of milk and 1,210 lbs. of butter. She is an outstanding show animal and took first prize in the dry cow class at Vancouver and Victoria in 1931.

The four-year-old production record for Canada, for both milk and butter is held by Strathmore Lady McKinley—143399—accorded her records under Government regulation, in 1931, with 25,569 lbs. of milk and 1,102.5 lbs. of butter. She is a remarkably fine beast of the best of Holstein pedigree, as is shown by her fine lines.

REPORT MONTHLY ATTENDANCE BROADWAY SCHOOL

GRADE I
Enrolment, 42
Average, 37.55
Percentage, 89.40
Perfect Attendance, 14
Faye Bartlett, Jacqueline Buck, Eva Cox, Evelyn McIntosh, Lois Smith, Ralph Brooks, Neil Carr, John Evans, Richard MacCormick, Cedric MacDiarmid, Kenneth McKenney, Ronald Smith, Paul Thornton, Jessie M. Samphier, Teacher.

GRADE II
Enrolment, 28
Average, 24.7
Percentage, 88.2
Perfect Attendance, 10
Mary Dibblee, George Flewelling, Jean Gabel, Mary Grant, Evelyn Moore, Norma Richardson, Audrey Slater, Robert Slipp, David Stone, Winnifred Stokes.
M. WINNIFRED HARPER, Teacher.

GRADE III
Enrolment, 31
Average, 28
Percentage, 90
Perfect Attendance, 13
Jean Ashe, Jean Bartlett, Donald Carter, Audrey Colwell, Iris Davidson, Erma Downey, Harvey Flewelling.

Bobby Grant, Sybil Keetch, Richard McCloskey, Margaret McIntosh, Norma Shaw, Beatrice Wallace, KATHLEEN SMITH, Teacher.

GRADE IV
Enrolment, 49
Average, 44.6
Percentage, 91
Perfect Attendance, 11
Myrtle Bulmer, Irene Davidson, Rowena Fox, Jarvis Gabel, Betty Gray, Anna McMullin, Muriel McKinley, Ruby Orser, Doris Porter, Adrian Shaw.
GENE DORIS HANSON, Teacher.

GRADE V
Enrolment, 40
Average, 35.714
Percentage, 89.28
Perfect Attendance, 12
Clarence Franklin, Hazen Porter, Robert Dibblee, Clarence Fiske, Wentworth Stone, Kenneth Kames, George Phillips, Roy Flewelling, Pauline Green, Madeline Raymond, Bernice Bragdon, Cleo Meahan.
HELENA MULHERRIN, Teacher.

GRADE VI
Enrolment, 31
Average, 28.02
Percentage, 90.38
Perfect Attendance, 11
Murray Bishop, Burley Boyer, Louise Burhoe, Carolyn Chase, Robert Edgett, Bernice Fox, Allan Glass, Ida Kinney, Jordan Neilson, Wilbur Slater, Florence Stuart.
GRACE CALDER, Teacher.

GRADE VII
Enrolment, 28
Average, 25.62
Percentage, 91.5
Perfect Attendance, 8
Edward Johnson, Walter Andow, Bertin Gardner, Eileen Ashe, Jean Wright, Rhoda Palin, Maud Dibblee, Josephine Kames.
ELSIE SAMPHIER, Teacher.

GRADE VIII
Enrolment, 37
Average, 34
Percentage, 92
Perfect Attendance, 16
Helen Boyer, Harry Boyer, Mary Bowlin, Hazen Craig, David Smith, Vaughan Thompson, Alice Wallace, Phillip Carter, Paul Cogger, Margaret Campbell, Joan Dickinson, Ivan Downey, Alex Hynes, Oty Hamilton, Ray McFarlane, Walter Neal.
R. J. COY, (Principal.)

NOTICE

Brunswick Rebekah Lodge No. 44 will celebrate their 25th anniversary at the I. O. O. F. Hall, Queen street, Friday, March 18. All Rebekahs and husbands, Oddfellows and wives or Lady Friends, are invited to attend.

MEN WANTED IMMEDIATELY

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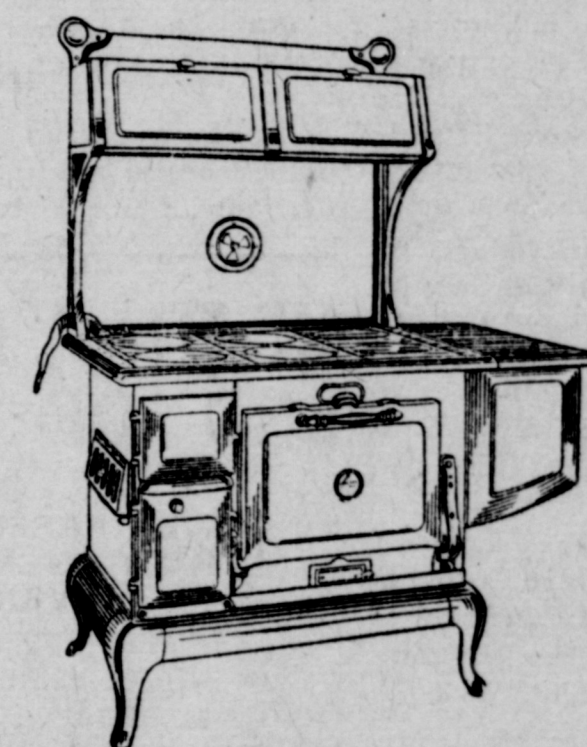
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3 cans Corn, Peas or Tomatoes	25c
5 lbs Farina	25c
20 lb pails Swifts Shortening	1.99
2 cans Peaches	33c
2 cans Pears	29c
20 lb bags Oatmeal	75c
Bran or Shorts	1.20

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