

acre. The common practice in pruning in this and other countries is to allow the gooseberries to assume the bush form, but little pruning need be done during the first two years, with the exception of cutting the growth back to strengthen the various fruit spurs all along the branches. The fruit is produced on year-old wood or on spurs produced during the previous year and bearing this in mind the pruner need only take out that wood which is three or four years old, allowing it to be replaced with younger shoots. If it has grown berries for two or three years its vigor has been dissipated and it is advisable to replace it. The practice of thinning out the head of the bush in order to admit sunlight and force larger berries is wrong for it usually results in scalded fruit. There must be foliage enough to protect the small berries from the sun else disastrous results will follow. Autumn and early winter is the best season for pruning and care should be taken then to cut out all the weak young shoots and cut off the branches near the ground that a good circulation may exist and the berries be kept clean.

The two strains of berries commonly grown are known as American and English varieties. The jam factories are taking large quantities of the English varieties from which they produce their pulp, but these kinds are quite subject to mildew, and unless extreme care be taken considerable loss results. The American varieties do not grow so large, neither are they quite so susceptible to mildew, but many growers now prefer to put the extra care and expense on the English varieties in order to procure the large yields. In the American varieties the Pearl, Downing, Red Jacket and Swift's Improved are the ones commonly grown, but most favor is lavished on the Pearl and Downing. The Red Jacket is gaining prominence very quickly. In the English varieties Whitesmith, Keepsake and Industry have been the yielders, but Whitesmith and Industry are the ones making up the larger part of all gooseberry plantations. They are good yielders and of their kind the freest from attacks of the mildew.

FARM BULLETIN.

Agricultural Legislation in New Brunswick.

Agriculture received considerable attention from the New Brunswick Legislature during its 1914 session and the Agricultural Department is teaching out to greater activities.

While the appropriations for agriculture from the Provincial Treasury are not very much larger than in previous years there are grants for the Farm Settlement Board, for Immigration and for Exhibitions which have such a direct bearing on agriculture, thus they may be classed almost as agricultural expenditure and the Dominion subsidy for agricultural education comes in to relieve the Provincial appropriation of that phase of the work and thus enables the extension of work for stock improvement, seed competitions, agricultural societies, poultry raising, etc.

For the present year the Dominion subsidy covers most of the salaries for the Departmental staff engaged in educational work. It includes the Provincial Horticulturist and three assistants as well as various temporary assistants used in field work. All the Farmers' Institute work, the Women's Institute work, the Director of Agricultural Schools, the Provincial Animal Husbandman, the Poultry Superintendent, the Provincial Entomologist, the teachers on the farming special trains and other help of this nature are paid from this fund.

The appropriation for the Provincial Treasury is made up of the following items.

Grants to Agricultural Societies,	\$16,500
Superintendent of Agcl. Societies,	1,000
Salary of Minister of Agriculture,	2,100
Salary of Secretary of Agriculture,	1,800
Grants to Butter and Cheese Factories,	1,000
Encouragement of Dairying,	3,500
Dairy School,	4,500
Maritime Stock Breeders' Association,	800
Encouragement of Horticulture,	2,000
Encouragement of Stock-raising,	4,000
Bonus to Mussel Mud dredges,	1,000
Farm Settlement,	1,500
Standing Crop Competitions	1,200
Exhibitions,	12,000
Brown Tail Moth Extermination,	3,000

This with other salaries and expenses brings the total up to \$63,200.

An Act was passed to authorize the Provincial

Minister of Agriculture to enter into agreements with the Minister of Agriculture of Canada as to the expenditure of the Dominion Subsidy for agriculture.

An Act dealing with tuberculosis in cattle was also passed. This law makes it a criminal offence for anyone to knowingly sell animals affected with tuberculosis, except under a special permit from the Department of Agriculture. It also makes the distinction or obliteration of marks placed on tuberculous cattle by an inspector, a crime and provides penalties for the infraction of the law.

An Act amending the Act of 1912 to encourage the settlement of farm lands was also passed. This Act places the Farm Settlement Board under the direct control of the Minister of Agriculture, authorizes the Board to borrow \$50,000 during the current year for the purchase and resale of farms upon easy terms and makes certain conditions as to the terms with which purchasers of farms must comply.

The encouragement of co-operation among the Agricultural Societies was provided for in an Act which gives the society the power to purchase fertilizer ingredients and to arrange for the importation, warehousing, distributing, etc. to any agricultural society, and when authorized by Order-in-Council of the Lieutenant-Governor-in-Council to undertake and carry on any other work or business which may be of advantage to the farming industry to obtain credit from any incorporated bank within the Province and to pledge and hypothecate such of its property as may be necessary or an incident to financing said business. A statement of business must be filed each year with the Department of Agriculture on or before the first day of January. Annual meetings of the Association must be held in November and the Association has the power to pass such by-laws as it deems necessary and advisable for the management and control provided, however, that no such by-laws shall become effective until approved by the Minister of Agriculture, in writing, except such as may be necessary to the effective organization of the society. The President and Secretary of any Agricultural Society or substitutes duly appointed which shall pay the annual fee required by the by-laws of the Association shall together with such members as may be elected by the Association from time to time be members of the Association.

The Ormstown Show.

The fifth annual exhibition, held under the auspices of the Live-Stock Breeders' Association, of the District of Beauharnois at Ormstown, Quebec, on June 3, 4 and 5, was by far the most successful show ever held in this great livestock breeding centre, and one of the most successful stock shows ever held in any part of the Dominion, and proved, if any further proof was needed, that the big drawing card at any exhibition is surely live stock. Owing to an almost continuous rain the attendance was not up to that of former shows; nevertheless the total attendance went well up in the thousands, and those present were well repaid in the splendid program of events, which, besides the breeding classes of horses, cattle, sheep and swine, included many single and double carriage horse events, single and double high steppers, tandems, lady drivers, pony contests and hurdle jumping. In the entry list were 324 horses, 350 Ayrshires, 200 Holsteins, and 25 Jerseys. The swine exhibit was most creditable, and included Yorkshires, Berkshires, Tamworths, Chester Whites and Duroc Jerseys. The sheep exhibit was represented by Leicesters, Oxford Downs, Shropshires, Hampshires, Southdowns and Dorsets. A special prize for best pen of any breed went to a pen of Leicesters exhibited by John Purcell, of Huntingdon.

Ayrshires made an exhibit unequalled at any previous show in the history of this country, an exhibit that only the great Counties of Chateauguay and Huntingdon could produce. Every class had a big entry, and keen competition that taxed the skill of the judge, D. Drummond, of the R. O. P. Branch of the Department of Agriculture, Ottawa. In the aged bulls R. R. Ness won on the many-times champion Hobsland Masterpiece Imp. Second went to G. H. Montgomery, of Phillipsburg, Que., on Auchenbrain Seafoam Imp., and third went to J. J. Logan, of Howick, Que., on Netherhall Sir Douglas Imp. Three-year-olds showed rare quality. First went to J. H. Black, of Lachute, Que., on Hobsland Burnside Imp. Second to R. S. Pringle, of Huntingdon, on Masterpiece Ensign. McMillan & Leggitt, of Huntingdon, won the two-year-old class on Springburn Ensign. Senior yearling went to

Hector Gordon, of Howick, on Netherhall Lochinvar; second, to W. F. Kay, M. P., Phillipsburg, on Beecham Surprise; third, to R. R. Ness, on Humeshaugh of Burnside. Junior yearlings went, first, to J. H. Black; second, P. D. McArthur, of North Georgetown, Que.; third, J. J. Logan. Aged cows in milk had an entry of 15 of the world's greatest, the highest honor among which went to the big, faultless, Lessnessock Pansy 2nd Imp., the entry of Hector Gordon; second, to Barcheskie Lady Margaret Imp., the entry of G. H. Montgomery; third, to Auchenbrain Whinflower Imp., the entry of J. J. Logan. These awards could have been duplicated two or three times, and still left some rare good ones of three-year-olds in milk. First, went to W. F. Kay; second, to Sir Montague Allin, of Montreal; third, to J. P. Cavers, of Ormstown. In two-year-olds, D. Ness, of Howick, captured first and third; J. P. Cavers, second, and W. P. Montgomery, fourth. Special for four best cows in milk went, first, to R. R. Ness; second, to Hector Gordon; third, to J. P. Cavers. Aged cows dry, McMillan & Leggitt, first, on Auchenbrain Bunt Imp.; W. F. Kay, second on Barcheskie Daylight Imp.; R. R. Ness, third on last year's champion Broomhill Flora Imp. Dry heifer two years: First, went to Sir Montague Allin; second, to J. P. Cavers; third, to Hector Gordon. Senior yearling: Hector Gordon, first; J. P. Cavers, second; D. Ness, third. Four, the get of one sire: First went to, J. P. Cavers, on the get of Burnside King Crown; second, to J. J. Logan, on the get of Netherhall Sir Douglas; third, to R. R. Ness, on the get of Masterpiece. In the graded herds there were eight lots: first, went to Hector Gordon; second, to G. H. Montgomery; third, to R. R. Ness, and fourth, to McMillan & Leggitt. Championship for best bull any age went to R. R. Ness, on Masterpiece. Senior female championship went to McMillan & Leggitt, on Auchenbrain Hattie Imp. Junior female championship went to D. Ness.

Holsteins.—Individual excellence was most marked throughout the entire exhibit of Holsteins. The awards were placed by Prof. Barton, of Macdonald College. The large entry in almost every class with the high standard of quality maintained throughout made his task anything but an easy one. In aged bulls first went to Neil Sangster, of Ormstown. Two-year-olds: First, went to J. J. Alexander, of Howick, and second, to W. McRae, of Howick. Yearling: First, went to P. J. Sally, of Lachine Rapids; second and third, to A. Younie, of Tullochgorum. Aged cows in milk: First, second and fourth, went to Neil Sangster; third, to A. Younie. Three-year-olds: First, P. J. Sally; second, W. McRae; third, N. Sangster. Two-year-olds: First, N. Sangster; second, J. J. Alexander. Young herd: First, P. J. Sally; second, N. Sangster; third, W. McRae. Four cows in milk: First, N. Sangster; second, W. McRae. Both the senior and junior female championships went to P. J. Sally.

Horses.—In the large horse entry Clydesdales made considerable over half the entire number. Aged stallions, imported, had an entry of four: first going to R. Ness & Sons, of Howick, on Sir Spencer; second, to John McGerrigle, of Ormstown, on Baron Archie; third and fourth, to Dr. D. McEachern, of Ormstown, on Fyvie Time and Favorite's Own. Three-year-olds had but one entry, Bondies Pride from the Howick stables of R. Ness & Son. Brood mares with foal by side: Dr. D. McEachern, first and second. Three-year-old fillies: First, R. Ness & Son; second, Dr. D. McEachern; third and fourth, N. Wagg, of Claremont, Ont. Two-year-old fillies went to the entries of Dr. D. McEachern. Championship for best stallion, imported, went to R. Ness & Son, on Sir Spencer. Championship for best Canadian-bred Clydesdale stallion went to G. H. Montgomery, of Phillipsburg, Que., on Sir Rodger by Sir Spencer. Championship for best Canadian-bred Clydesdale mare went to R. Todd, of Geneva, Que., on Aberdeen's Grace by Imp. Aberdeen. Championship for best Hackney stallion went to J. C. Steele, of Howick, on Terrington Narcissus, Imp.

Heavy-draft teams, imported: First and fourth, R. Ness & Son; second, Dr. D. McEachern; third, J. C. Steele. Heavy-draft team Canadian-bred: First, W. W. Pringle, Huntingdon; second and third, D. J. Gregg, Allans' Corners.

President G. C. Creelman, of the Ontario Agricultural College, is to be one of a party of fifteen from Canada and the United States, to visit Australia, New Zealand, Japan, China and the Philippine Islands during the coming season. Dr. Creelman goes upon invitation of the British Association for the Advancement of Science to meet in Australia, early in September.

Toronto University has conferred the honorary degree of D. Sc., upon Frank J. Shutt, Chemist and Assistant Director of the Dominion Experimental Farms, and the honorary degree of L.L.D. upon President Bowles, Chancellor of Victoria University.