

again no final conclusions will be stated until after further comparisons are made.

#### OAT STRAW AND TURNIPS.

Ewes fed on oat straw and jumbo swede turnips came through the winter with the heaviest loss in weight of any lot on test—an average of 25 pounds per head. One ewe gave birth to a pre-mature lamb. The cause of this abortion was not known but we did not attribute it to the feed, as the other four ewes produced seven strong lambs. The gain in weight of fleece over the 1919 clip averaged only .44 pounds. At a feed cost of \$3.06 per head for the 145 day period this combination was very economical, but the heavy loss in weight of ewes was too great to call it satisfactory. Again the addition of grain would undoubtedly have improved results, but would have added to the cost as well.

#### OAT STRAW AND ALFALFA HAY

By using half and half alfalfa hay and oat straw the cost of feed for this lot was reduced to a comparatively reasonable figure—\$4.48 per head. This group showed an average loss per head of 8.8 pounds, the lambs averaging 8.5 pounds at birth, came strong, and the ewes sheared 1.06 pounds per head more than in 1919. This combination of roughages proved quite satisfactory, though not the equal of alfalfa alone.

#### CONCLUSIONS.

1. Alfalfa hay is unequalled as a roughage for wintering pregnant ewes. Mature animals can be carried through to lambing on this hay without the use of grain in any form. In this test, ewes wintered on alfalfa hay made greater gains, produced larger lambs, and sheared heavier fleeces than those on any other roughage or combination of roughages or even when whole oats were fed with prairie hay. Where it is available at a reasonable price we recommend it without hesitation.

2. Oat green feed hay, fed as a single roughage, proved very unsatisfactory for bred ewes. When fed in combination with prairie hay, however, it proved both safe and profitable.

3. Mature bred ewes cannot be maintained on oat straw alone. In combination with alfalfa hay it reduced the cost of feeding and gave reasonably good results, though not the equal of straight alfalfa. On oat straw and turnips ewes will show a heavy loss in weight, but in this case lambed successfully.

4. The accompanying table shows quite clearly that the growth of fleece is materially increased by proper feeding.

### Shorthorn Females Average \$1,132.

With sixty-five Shorthorn females at the Pettit-Elliott sale averaging \$1,132 throughout, in a four-hour auction, it seems almost as though any comment whatever, as regards the success of the sale, should be quite unnecessary. To many of us the figures from a remunerative angle look exceptionally pleasing, but taking into consideration the prices the Old Country breeders are asking and are being able to obtain for animals of the sort which went through this sale, it is questionable if the margin of profit to the importers was sufficiently large to encourage them or other breeders to bring out a similar lot and take their chances on so great an investment. From this side of the water it looks as if the Scotch breeders are running true to form as usual and taking no chances whatever on who the chap is going to be who gets the profit. The cattle, however, were a credit to their breeders, and to their importers, and it should be pleasing to Canadians to note that the majority of them, and, in fact, all the higher-priced cattle, stayed in Canada. United States breeders took only six head, for which they paid an average of \$837 per head, while the sixty-one head purchased by Canadian breeders made an average of \$1,118, and among these were young bulls that sold for less than \$500. Twenty-eight cows, three years old and upwards, made an average of \$1,360, and thirty-seven heifers, two years old and under, made an average of \$960. The top price for the day was paid for the three-year-old heifers, Cinderella 19th (imp.) that went to Sir Frank Bailey, of Oakville, at \$3,800. She sold with a few-weeks-old heifer calf at foot, and went at fast bidding from \$3,000 after it was announced that a free service would be given to Millhill's Comet (imp.) the \$34,000 Clipper sire, owned by Mr. Elliott.

It was also interesting to note that the average made on the seventeen females that were bred to Millhill's Comet was \$1,623, or \$491 higher than the average of entire number of females in the sale. Sir Frank Bailey was the largest purchaser of the day, taking eleven head at \$20,330, an average of \$1,848. Harry McGee, Islington, also made several purchases at high averages, paying \$6,250 for four head. Gordon Auld, Guelph, took five head at an average of \$1,190, and H. J. Miller, Keene, took the same number at an average of \$835. The twelve Canadian-bred cattle made an average of \$537. The attendance was not large for a sale of these proportions, but many were no doubt kept away by the early morning promise of rain and the first chill day of the fall. The management had arranged well for the comfort of all, and those who were so fortunate as to be present witnessed a sale of good cattle that should do good to their purchasers and to the breed in Canada. The sales in detail follow:

#### FEMALES.

|                                                      |         |
|------------------------------------------------------|---------|
| Beauty Maid 3rd, J. J. McAninch, Guelph.....         | \$1,250 |
| Maude B, Sir Frank Bailey, Oakville.....             | 1,500   |
| Bessie 3rd, Sir Frank Bailey.....                    | 1,350   |
| Lady's Maid 2nd, Sir Frank Bailey.....               | 1,600   |
| Broadward Lovely, John Miller Jr., Ashburn.....      | 1,500   |
| Princess Royal Maid, Dr. McCulloch, Georgetown.....  | 800     |
| Fancy Mary 2nd, E. Sherwood, Burlington.....         | 1,050   |
| Rosemary A, Harry McGee, Islington.....              | 2,150   |
| Mounteagle Angel 3rd, John Ross, Ft. Wayne, Ind..... | 900     |
| Roan Lady 12th, Jas. Douglas & Sons, Caledonia.....  | 1,200   |
| Rosabel 11th, E. W. Laibe, Columbus Grove, O.....    | 1,000   |
| Princess Royal 17th, Robt. Amos & Sons, Moffat.....  | 800     |
| Industry 8th, H. J. Miller, Keene.....               | 725     |
| Thuster Mysie, J. J. McAninch.....                   | 1,000   |
| Wayne Jessie 2nd, J. Midland, Whitby.....            | 525     |
| Merry Maid 10th, Albert Young, Rockwood.....         | 1,250   |
| Wartle Mysie, Geo. Kirk, Henfryn.....                | 950     |
| Blossom, Wm. Stacey, Cresswell.....                  | 875     |
| Hillhead Undine 2nd, S. Griffin, Acton.....          | 1,000   |
| Flora 14th, E. T. Emerson, Freeman.....              | 625     |
| Rosebud 20th, J. J. McAninch.....                    | 675     |
| Leezzie Lindsay 10th, Fred Stacey.....               | 600     |
| Jilt 29th Leslie & Pearen, Acton.....                | 1,025   |
| Broadhooks, Geo. D. Fletcher, Erin.....              | 2,450   |
| Clarinda 17th, Sir Frank Bailey.....                 | 3,000   |
| Helen 35th, E. W. Laibe.....                         | 1,550   |
| Mina Wreath, G. S. Harkness, Oakville.....           | 650     |
| Beatrice 3rd, Gordon Auld, Guelph.....               | 550     |
| Pretty Polly, Harry McGee.....                       | 1,600   |
| Jilt 3rd, Gordon Auld.....                           | 1,150   |
| Cinderella 14th, Sir Frank Bailey.....               | 3,800   |
| Carnation, J. W. McDermot Kohako Miss.....           | 950     |
| Ruth D, Sir Frank Bailey.....                        | 950     |
| Gartly Rose Blossom, Sir Frank Bailey.....           | 3,700   |
| Lynegar Flower Girl 17th, Gordon Auld.....           | 1,500   |
| Millcraig Heather 2nd, Sir Frank Bailey.....         | 975     |
| Lynegar Waterloo Princess 5th, Gordon Auld.....      | 1,050   |
| Millhill's Marigold 10th, H. McGee.....              | 1,250   |
| Kinellar Mayflower, Sir Frank Bailey.....            | 1,350   |
| Waterton Bessie 3d, John McKenzie Chatsworth.....    | 1,200   |
| Vain Bessie, Sir Frank Bailey.....                   | 1,000   |
| Matilda 15th, John Ross.....                         | 975     |
| Lady Broadhooks 4th, H. J. Miller.....               | 1,125   |
| Thornham Mayflower, Gordon Auld.....                 | 1,700   |
| Jealous Princess, John McKenzie.....                 | 975     |
| Fingask Lancaster, J. A. Watt, Elora.....            | 975     |
| Meadow Beauty 9th, H. McGee.....                     | 1,250   |
| Duchess 31st, Geo. D. Fletcher.....                  | 1,075   |
| Maple Leaf Jealousy, H. J. Miller.....               | 775     |
| Princess Mildred 5th, Sir Frank Bailey.....          | 475     |
| Sittytown Cowslip 2nd, J. J. McAninch.....           | 775     |
| Lady Rosedale, John Ross.....                        | 625     |
| Maureen, Scotty Milne, Mt. Pleasant, Ia.....         | 700     |
| Model's Princess R, E. Robson, Denfield.....         | 600     |
| Pink Carnation, Sir Frank Bailey.....                | 1,100   |
| Golden Beauty 3rd, John Ross.....                    | 825     |
| Lady Tarves 23rd, John Miller Jr.....                | 825     |
| Mayflower Lady, Fraser Auld, Guelph.....             | 500     |
| Jessamine 17th, H. J. Miller.....                    | 700     |
| Queen Bess 64th, J. H. Miller.....                   | 850     |
| Lancaster Queen 2nd, J. J. Merner, Seaforth.....     | 1,050   |
| Newton Eliza, Geo. Amos & Son, Moffat.....           | 900     |
| Model's Snowflake P, A. G. Farrow, Oakville.....     | 475     |
| Oak Ridge Flora, E. D. Sherwood, Burlington.....     | 500     |
| Roan Lady 2nd, Fraser Auld.....                      | 500     |

#### MALES.

|                                             |     |
|---------------------------------------------|-----|
| Mayflower Prince, J. J. McAninch.....       | 130 |
| Mountaineer, E. Robson.....                 | 300 |
| Bull calf, Peter Stewart & Son, Guelph..... | 225 |

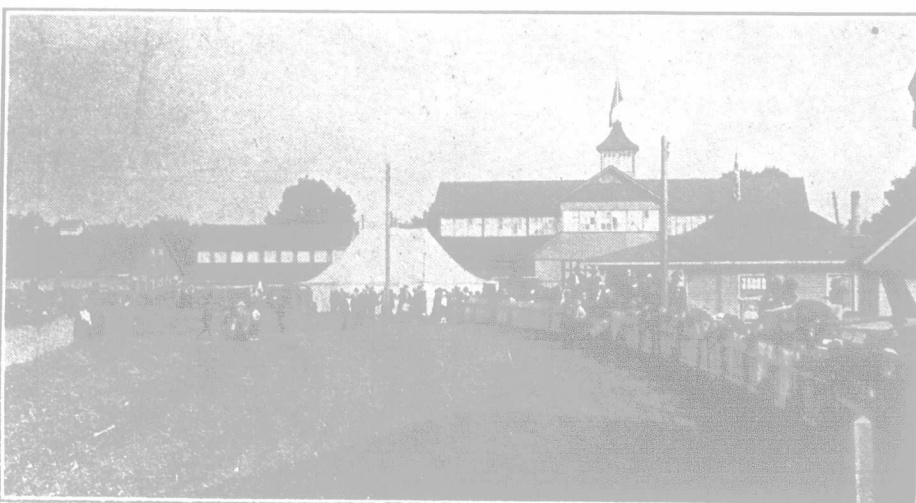
## THE FARM.

### A Fall Fair That Spells Progress.

Prince Edward County, in Eastern Ontario, is sometimes called the truck county of Ontario. The first canning factory in the County was established in 1882, at Picton, and for several years thereafter this was the only factory in the County. The development of truck growing and the canning industry has progressed so rapidly that at the present time, according to information vouchered for by the *Picton Times*, Prince Edward Produces half of Canada's canned goods. The County has a population of 17,150, and is divided into seven townships, including the villages of Wellington and Bloomfield, and the County town of Picton. The area of Prince Edward County is 195,365 acres of arable land, and according to the same authority quoted above this County produces annually a larger return per capita than any other county in Ontario. In 1918 there were twenty-three canning factories in operation throughout the County, nine of which were branches of the Dominion Canners Limited, and the remaining fourteen were independent factories.

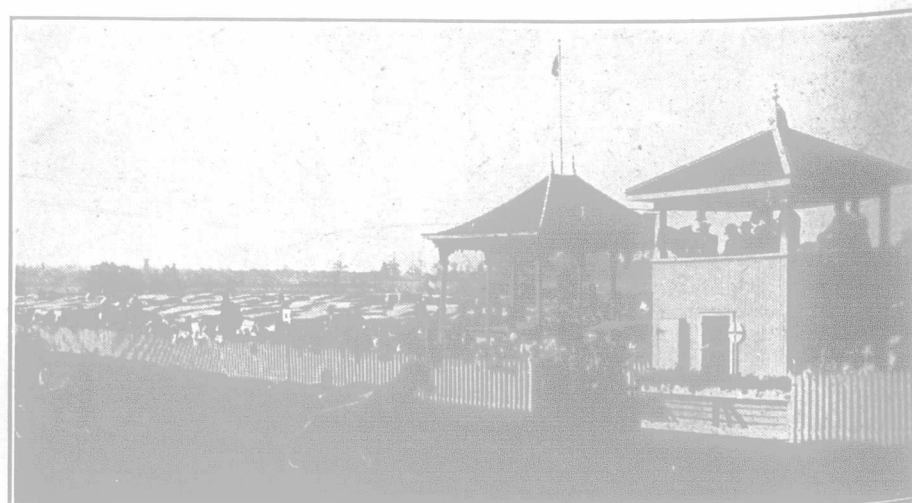
But Prince Edward County farmers do not confine themselves to the growing of canning-factory crops. Dairying is very well developed in Prince Edward, and in 1918 there were twenty-two cheese factories, while in addition there are two milk-condensing plants in operation. Another indication of the progress of dairying in Prince Edward is the fact that Bloomfield is an especially good centre for pure-bred dairy cattle, there being a surprisingly large number of pure-bred herds in the vicinity of this village. All told, the agricultural production of Prince Edward County amounts annually to no insignificant sum. Beginning in 1911, we find the agricultural production in that year amounting to \$3,921,000; in 1912 it was \$4,035,000; 1913, \$3,435,000; 1914, \$3,775,000; 1915, \$6,385,000; 1916, \$5,793,000; 1917, \$8,253,270; 1918, \$9,334,279; 1919, \$9,629,278. This latter sum was made up as follows: Cereals, \$2,605,708; cheese, butter and milk, \$1,605,000; live stock sold, \$1,500,000; canned vegetables and fruit, \$2,290,000; apples, \$500,000; potatoes and roots, \$368,570; seed peas, \$250,000; poultry and eggs, \$250,000; fruits, other than apples, \$150,000; seed corn and beans \$70,000; and tobacco, \$40,000. Thus it can be seen that Prince Edward County has a diversified agriculture, while at the same time it has developed one or more specialties that have made it well and favorably known throughout Canada. Over a hundred miles of improved County roads, a very good type of township road, coupled with Hydro-electric power and light, give the residents of the County many of the conveniences that make rural life most delightful. The County is not too well supplied with railroads, since there is only one line, formerly the Canadian Northern Railway, and now a part of the system of the Canadian National Railways, running from Trenton to Picton, a distance of approximately thirty miles.

This story, however, is not particularly about the County of Prince Edward, however much one could dilate upon the excellencies of the farming methods in use there. Only a few days ago a representative of "The Farmer's Advocate" had the opportunity of spending two days at what is undoubtedly one of the best county fairs in the Province of Ontario. This was, we understand, the sixty-second annual Picton Fair, held on September 21-24. For some years we had heard that the fair held at Picton ranked very high among fall fairs the Province over; and an effort was made this year to spend some time in Picton while this event was in progress, in order that we might be able to discover the reason for the excellence and the generally high reputation which the Picton Fair has in the minds of those who are interested in the development of fall fairs and exhibitions in rural localities. We are glad to say that our previous impression of Picton Fair was maintained and even made more favorable. This year was designated "Old Boys' Memorial Year," and in the history of the Picton Agricultural



View of Some of the Picton Fair Buildings from the Grandstand.

From left to right are the cattle barns and office, the horticultural building, the tent for vegetables and field crop exhibits, the palace, and women's rest room and dining hall.



Across the Track from the Grandstand is the Bandstand and the Judges' Stand.

Note the number of cars parked and the finish of a horse race.