

to be offered can be handled to very good advantage by exercising keen foresight in disposing of these.

But what of the supply of fodder at hand? This should receive first consideration. On our farm, we very fortunately have quite sufficient feed for all purposes, with the addition of such feedstuffs as we always purchase. We are weeding our stock to some extent; but rather than turn them off at "cannery" prices, as many are doing, we are finishing these animals at home, a better policy, we think, than suffering them to go at sacrifice prices and selling a little fodder and soil fertility.

We have a fine supply of corn silage, and shall make this the basis of our ration, not striking out very much from our usual plan of feeding. Briefly, this will be the menu for a day: We feed our cows that are milking, approximately sixty pounds of silage and mangels per day, fed in two feeds, thirty pounds of each mixed. Some individuals eat more than this amount, others less, but, as near as I can estimate, sixty pounds per cow per day is the amount consumed. The mangels will not last throughout the feeding season; when finished, more silage will be fed. We feed one feed of this mixture along with half the allowance

of meal per day, the first feed in the day just after milking. This feed is disposed of by the time we return after breakfast, and, immediately, they receive a feed of straw. We do not cut or mix the straw fed, for, after the cows have had a feed of silage, a feed of straw does not seem to lack palatability, and, as practically all is disposed of, there seems to be little to be gained. We then water and bed down, and leave them pretty well to themselves until feeding time again. At four o'clock they are again fed silage and roots and meal. This followed by a feed of clover hay. As to the quantity of hay fed, we feed about all they will clean up nicely, while the dry cows do not receive so much. The dry cows do not receive any mangels, about forty pounds of silage per day being their allowance. As a meal ration for these dry cows we are using a by-product of a starch factory in adjoining county. In combining the meal ration for the milkers, we aim at increasing the protein content of our ration, as we are supplying the carbohydrates in bulk in our ration in the roughage grown upon the farm. Protein being the most expensive component of a ration, much judgment must here be exercised. Still, in balancing a ration, one very often has to suit his

ration to the supply and prevailing prices of fodder and feedstuffs at hand, rather than theoretical calculations. The supply and prevailing prices of feed of all kinds at present must make a great difference with many in the way they combine the meal ration. We are using principally gluten meal, combined with oat and barley chop and bran, when it can be procured. Of the mixture, two parts oats and barley, two parts bran and one part gluten meal, we feed about six pounds meal for twenty pounds milk per day, those giving more milk receiving more meal, any giving less receiving less meal.

Economy will necessarily be the watchword in handling all feed throughout the feeding season, and even the shrewdest economy will leave little profit in winter dairying; but, withal, the milkers must not be stinted.

Careful and judicious handling of the supply of feed at hand will work wonders in the maintenance of the herd, while lessons will be gleaned in feeding economically that will be surprising in their simplicity and application in years to follow.

Dundas Co., Ont.

CLARK HAMILTON.

## The Maritime Winter Fair at Amherst, N. S.

The Maritime Winter Fair, held at Amherst, Nova Scotia, Dec. 2 to 5, was a decided success; attendance, the largest in the history of the Show, and exhibits in nearly every class more numerous and of better quality than ever before.

The evening meetings were well attended, and the addresses of a very high order. The Monday evening meeting was taken up with addresses of welcome from the Mayor of Amherst and the Warden of Cumberland County, which are replied to by Hon. S. E. Reid, Commissioner of Agriculture of Prince Edward Island, and the address of Gov. McKinnon, of Prince Edward Island, who formally opened the Fair. Addresses were also delivered by Hon. W. T. Pipes, Attorney-General of Nova Scotia; Hon. C. W. Robinson, Premier of New Brunswick, and Prof. Cumming, of the Nova Scotia Agricultural College. Tuesday evening, Staff Capt. Jennings, of the Immigration Department of the Salvation Army; Mr. John Gardhouse, on "Care and Management of Sheep," and Mr. Duncan Anderson, on "The Production of Beef." Wednesday evening, addresses were delivered by T. H. Mason, on "The Hog as a Paying Market for the By-products of the Farm," John Gardhouse, on "The Horse as a Revenue Producer on the Farm," and L. H. Newman, on "The Place of the Canadian Seed-growers' Association in Maritime Agriculture," and Mr. L. F. Jarvis, on "Ideas to be Sought After by Breeders of Poultry." Thursday evening, Messrs. Jarvis, Mason and Anderson delivered interesting and instructive addresses to a large and attentive audience; and Rev. Father Burke, after an eloquent and witty address, in which he referred to the many prizes taken by his Island home, presented the cups, trophies and special prizes to the exhibitors who had been fortunate enough to win them.

The show of beef cattle was considerably larger than last year, and fully as good in quality. Perhaps there were no better cattle shown this year than last, but there were fewer poor ones, and the large, coarse ox has entirely disappeared from our shows, as he is fast doing from the stables of the country. Nearly all of the cattle were brought out in show condition, and it is certainly a credit to the exhibitors that in this year of poor crops and high prices of grain, they have fitted their cattle in really good shape for the showing.

Competition in most of the classes was keen, and often those standing by the ring-side were in doubt as to where the red ribbon should go; but Judge Duncan Anderson, with his keen eye and long experience, both as a judge and a feeder, placed the awards, and gave his reasons to the satisfaction of all. As the judging progressed, interest among exhibitors, herdsmen and those by the ring-side became more intense. First the cattle were shown in their own classes; then the first-prize animals in different classes were brought together in the special classes, until it was narrowed down to the best pure-bred beef animal, any age, for the silver cup donated by Sir Frederick Borden, which was won by C. R. H. Starr & Son on their Shorthorn cow, Marr Beauty, which has captured so many premiums for them. Then came the selection of the best grade of any age, for the cup donated by Hon. Dr. Wm. Pugsley. This was won by W. W. Black's grade Hereford two-year-old steer. Then came the best beef animal, any breed or grade, under two years old, for the "Giles" Cup, which was won by Harold Vernon in 1903, by W. W. Black in 1904 and 1905, by Edwin Forrest in 1906, and this year by Fowler Bros., of Amherst Point. Then came the grand championship for the best beef animal of any breed or grade, any age. This was won by Starr's invincible Marr Beauty, and, amid enthusiastic applause, the red ribbon was again placed over the back of the white cow.

W. W. Black, of Amherst, the ind-fatigable superintendent of the Fair, a man who manages to keep a cool head and an unruffled temper in all sorts of conditions, shows a splendid string of thirty head—eleven Herefords and nineteen grades—not one of which any exhibitor would need to be ashamed of, and the bloom and fettle in which they were shown reflect the highest

credit on his capable herdsman, Wm. Robertson. Mr. Black won all the first prizes in the pure-bred classes, and most of the seconds. In grades, he won first on three-year-old steer, first on two-year-old steer, first on yearling steer, first on senior calf, and first on junior calf, second on grade cow, first and fifth on two-year-old heifer, second on senior yearling, first on junior yearling, and third on heifer calf, also sweepstakes grade steer any age, grand championship grade male or female, any age, thus winning the Pugsley Cup. C. A. Archibald, of Truro, N. S., showed thirteen Shorthorns in beef classes and one Ayrshire heifer in the dairy test. Mr. Archibald won first and second on junior yearling steer, first, second, fourth and fifth on two-year-old heifer and first on junior yearling heifer, and first, second, third and fifth on heifer calf, second on Shorthorn female, any age, with a seven-months-old calf. We predict an interesting future for this little roan, Katrina. He also won two of the special prizes given by the Amherst Boot & Shoe Company.

C. R. H. Starr & Son, Port Williams, N. S., showed eight Shorthorns, most of them of excellent quality, and brought out in the pink of condition. As has been stated, Mr. Starr won everything in sight with the white cow, Marr Beauty. He also won third, fourth and fifth on Shorthorn cow, third on two-year-old heifer, and second on yearling heifer.

James B. Etter, of Westmoreland P.E., and Hazen Etter, of the same place, were strong exhibitors in the Shorthorn classes, and the yearling steer, White Cloud, took first in his class, and was good enough to make things interesting for others in the competition for the championships.

Frank R. Congdon, of Waterville, N. S., showed half a dozen Galloways.

Donald McIntyre, Fort Lawrence, a new exhibitor, showed a Shorthorn heifer and two grades, and brought his exhibits out in good shape.

Ernest W. Embree, East Amherst, another new exhibitor, won fourth on grade steer calf, and also a special prize of fifty rods of fencing.

Other exhibitors of cattle were: Chas. W. Forrest, Amherst Point; Laurie Anderson, Sackville; Albert Anderson, Sackville, Thos. F. Etter, Westmoreland Point; John B. Roper, Charlottetown, P. E. I.; Geo. M. Holmes, Amherst, and Fowler Bros., Amherst Point, who have been referred to above as the winners of the much-coveted "Giles" Cup.

The exhibit of sheep was fully up with last year, both as regards numbers and quality, and the judge, Mr. John Gardhouse, of Highfield, Ont., had indeed a busy time, but placed the awards to the satisfaction of exhibitors and spectators.

Logan Bros., of Amherst Point, put up the largest exhibit, showing twenty-five head of Shropshires and grades, and won first place in every class in which they exhibited, and most of the seconds. The other principal exhibitors were: Jas. E. Baker & Sons, Barronsfield, N. S., and Fred S. Black, Amherst, with Oxford Downs and grades; Albert Boswell, Pownal, P. E. I., and Cephas Nunn, Winslow Road, P. E. I., with Lincolns and grades; Jas. T. Stewart, Amherst Point, and Olive C. Saunders, Trilley, P. E. I., and T. W. Keilor, Amherst Point, with Shropshires and grades; Henry Leithead, Lyon's Brook, P. E. I., and Charles Symes, of Minudie, N. S., showed Cheviots.

Some of the trophies competed for in the sheep classes were: The cup donated by Senator Mitchell for best pen, including one two-shear ewe, one shearing ewe, and one ewe lamb, won by Logan Bros.; the Hewson Woollen Mills prize of one lady's costume length of tweed, won by Jas. T. Stewart, and the suit of tweed, by the same company, won by Logan Bros.

The exhibit in hogs was by long odds the best ever put up at a Maritime Province Show, and more numerous than last year by about thirty, the quality being away ahead of any previous Show. As it is to be expected, the lion's share of the prizes went to the "Garden of the Gulf," the Island breeders being here in force, and with exceptionally good hogs.

Among the exhibitors in the hog classes were: Peter Brodie, Little York, P. E. I., with nine Berkshires and

two grades. Mr. Brodie won first and second prizes in every class in which he had entries, also the cup donated by J. E. Wood, of Halifax, for the best three bacon hogs of any breed. While at the Fair, Mr. Brodie sold two sows to go to Jamaica. Leonard Court, of Donaldson, a new exhibitor, showed eight Chester Whites, winning four firsts, two seconds, and one third prize. Chas. M. Shipley, East Amherst, exhibited three Yorkshire grades, winning third and fourth prizes in the classes in which he was entered, also ninth in the block test. G. G. Lowther, of Truemanville, was here for the first time with hogs, showing seven grades, and taking second on sow under fifteen months old, also winning in the block test. A. A. McBeath, of Marshfield, P. E. I., exhibited the pair of Yorkshire sows that won first at Charlottetown in October, and second in export bacon class, and held his own at Amherst by winning first and second in pure-bred classes, and a special for best breeding sow over six months. Mr. McBeath considers them too good to enter in the block test. Roper Bros., of Charlottetown, showed eight Yorkshires, seven Tamworths, eight grades and one Chester White, and won a big slice of the prizes, also the Dominion Swine-breeders' special for best sow under fifteen months, and the Blatchford special for best Tamworth sow under fifteen months. Wm. Gibson, of Marshfield, P. E. I., for the first time showed five Tamworths, two pairs of which were prizewinners in the Charlottetown Exhibition in October. Mr. Gibson won first and second on sow under nine months, first and second on barrow under nine months, and second on sow under fifteen months, also first and second in the block test, Mr. Brodie taking third, sixth and twelfth. C. W. Holmes, of Amherst, won second and third on York-shire barrow under nine months, third and fourth on barrow under six months, second and fourth on sow under twelve months. Mr. Holmes is also a strong exhibitor in the poultry department. Other exhibitors in the hog classes were: Logan Bros. and Jas. T. Stewart, Amherst Point, with Yorkshires; J. R. Semple, Brule, N. S., with Berkshires, and Jas. E. Baker & Son, Barronsfield, with Durocs; Charles Symes, of Minudie, with Berkshires; Leonard Court, of Donaldson, P. E. I., and Geo. M. Holmes, of Amherst, with Chesters.

The show of poultry was not up to last year in numbers, but was really better in quality, the Barred Rocks, White Wyandottes and Buff Orpingtons being especially fine. The utility classes were well filled with very superior specimens. Messrs. Hillhouse, who judged the utility classes, and Jarvis, who judged the open classes, expressed themselves as more than pleased with the steady improvement the poultry exhibit had made ever since the inauguration of the Fair. The department was well managed by Mr. J. P. Landry, of Truro, N. S.

The show of dressed poultry deserves especial mention, being well filled in all the classes, and the quality of the exhibits being vastly superior to former years. Some of the largest exhibitors were: C. W. Holmes, of Amherst, who showed five Barred Rocks, winning two firsts, one second and one third prize; in White Plymouth Rocks, four birds won two firsts, one second and one third prize. In White Wyandottes, Mr. Holmes showed four birds, also Silver-laced Wyandottes, Faverolles, Anconas and Indian Games, and was a winner in almost every class, and, also, in utility and dressed-poultry classes. Seth Jones, of Sussex, N. B., also showed a number of breeds and exhibits in the utility and dressed-poultry classes, having some splendid specimens in Barred Rocks and Brown Leg-horns.

Wm. Robertson, Amherst, was a strong exhibitor in Barred Rocks and in the utility and dressed-poultry classes, and won the medal donated by C. S. McLeod, Amherst, also the china tea set donated by the T. Eaton Co. for the best display of dressed poultry. Other exhibitors were: Walter McMonagle, Sussex; Craig Bros., Amherst; Edgar Ayer, Sackville, N. B.; B. A. Wilkins, Halifax, and Ernest Embree, East Amherst.

Samuel Harrison and J. R. Harrison, of Macan,