

more uniform will be the stock got by him. We never can hope to establish a good herd by continued cross-breeding, nor will we succeed as we ought until we learn how to breed so as to produce and retain a desired type.

In making plain these principles, we do so without any reference whatever to Mr. Martin or his system of breeding. Even if we desired to do this (which we do not), courtesy due the Agriculture and Arts Association would prevent us doing so until after that body had published its report now in the hands of the Government printers. After the report of the judges is issued we will give our readers some interesting notes gleaned while judging farms last summer. Mr. Martin and his farm will not then be overlooked.

#### Studs, Flocks and Herds.

JOHN MILLER, MARKHAM, ONT.

The name Miller has long been associated with the importation and improvement of live stock in the province of Ontario, and is well known to all lovers of live stock throughout the Dominion, and over a large part of the U. S. A. John Miller, of Markham, is a highly respected member of this well-known family, a son of the late Geo. Miller. He was born and reared on the famous Rig Foot Farm from which so many valuable animals have been sold, and at which so many notable gatherings have been held. Mr. Miller now resides on a farm near the old homestead. Like his ancestors he is a lover of pure-bred stock. His herd of twenty Shorthorns are all descended from the families bred by his father. The first shown us were three magnificent yearling heifers. The best one was by Mr. Robert Davies' bull Northern Light, her dam by the famous Vice-Consul. She is a large, massive, thick-fleshed, red heifer, closely resembling her grand sire. The next in quality is by Vice-Consul; she also is a heifer of grand quality and growthy. The third, somewhat younger than the other two, is by Northern Light. The breeding cows are a good lot, among them are several fine animals. Rose Montrath 3rd = 16346 =, sired by imp. Vice-Consul = 4132 =, is a red with grand ribs, and shows lots of quality, and beside her stands Circe = 16342 =, a large red with good top and heavy quarters, by Prince Montrath = 3714 =.

Then comes two three-year-old heifers. Bashful, by imp. Hopeful, and out of Mara Montrath = 9930 =, is a massive roan with lots of quality. The other, a nice red with a good coat and a grand handler, is by Vice-Consul = 4132 =.

Bulls—One, a thick-fleshed red with a good top, is by imp. Mexico = 4114 =. The other, a good roan, is a thick, straight calf, and a fine handler, by imp. Vice-Consul = 4132 =.

Among the sheep Mr. Miller favors South-downs, and has a fine flock of twenty breeding ewes, all of which are either imported or descended from imported stock, bred by such breeders as Jonas Webb, H. R. H. The Prince of Wales. For many years Mr. Miller has given careful attention to the production and introduction of seed grain, and so far he has been very successful. Four years ago he introduced the American Banner Oat, which has proved so valuable in nearly every section of Canada. This year he offers the Banner and the Golden Giant Side Oat. Though the former is his favorite, he considers the latter well adapted to light soils.

In a letter dated March 21st, Mr. Miller writes:—"I have had numerous enquiries for bulls since I advertised in the ADVOCATE. The article in the last number has brought me numerous enquiries regarding seed grain."

MR. S. COXWORTH, CLAREMONT, ONT.

resides about a quarter of a mile east of Claremont village, which is on the main line of the C. P. R., twenty-five miles east of Toronto. For several years he has been a breeder of Berkshires and Cotswolds, but is best known as a breeder of the former. In the first pen shown us were two very nice young sows; one of these is highly spoken of by Mr. J. C. Snell, of Edmonton, who is considered such a good judge of swine. The next were three young boars, one somewhat older than the others, all straight useful fellows. The imported boar Royal Standard now about two years old, is said to be of a first-rate sire, and has been a prize-winner on more than one occasion. The aged breeding boar, Prince of Albion, which has been used most extensively, is a long, deep-bodied, strong-boned pig. When in fair condition he weighs 750 pounds, but could be made to weigh 100 pounds more. He more nearly approaches the pork packers' ideal than many modern Berkshires. He was a prize-winner last year at the Toronto Industrial, as well as at several other shows. In the next pen were two very good yearling sows; both were prize-winners at various fairs, including the Toronto Industrial in 1891. They are promising; one is especially good; her shoulders are smooth, her sides long and deep, her hams thick, round and well let down, her back long, smooth and not too wide; the other sow is of much the same type, but shorter. Four breeding sows, which ran in the yard, were good specimens. One imported sow has been among the prize-winners during the last two years. She breeds well. Sunrise, another sow, is a typical pork-packer's pig, of good quality throughout; she weighs, when in show condition, 800 pounds, and rears two litters each year, all of which invariably turn out well. Although she is so large she is as active as a yearling, smooth and even-fleshed and a splendid grazer. She has been a successful prize-winner at the largest shows and in the best company.

Lady Bright is a good, long sow and has been a very successful prize-winner; in the class under six months she won five first prizes, and as a yearling she won four firsts. If Berkshire breeders had endeavored to meet the wants of the pork-packer by producing such pigs as Susie and several others in this herd, the farmers of Canada would not have heard so much concerning the valuable qualities of the Improved Yorkshires. Berkshires of the right type, not only fill the requirements of packers, but feed easy, mature early, are prolific, hardy, and even in quality when gathered together in large numbers.

Mr. Coxworth's Cotswolds are a useful lot. The stock ram is Commodore, a winner at the Toronto Industrial last year, is now about two years old, imported last season by Mr. Wm. Tompson, Uxbridge. Last September he weighed 387 pounds; he is a thick-fleshed, even, strong-boned sheep, well woolled and possessing a hardy, vigorous constitution. If he continues as he is now he will doubtless take a high place in his class at the shows in 1892.

Mr. Coxworth is a dairy farmer, keeping 25 cows; he ships all the milk to Toronto, rears no calves and breeds but few cows. His system is to buy good, strong Shorthorn grade cows and milk each as long as she returns a fair profit above the food she consumes. As soon as she ceases to do this she is sold to the butcher. All the cows are fed as much good, wholesome food as they will eat, are kept scrupulously clean, and in good, thrifty condition. By this course each is made to produce an average of \$90 per head per year. This is the plan most favored in many of the English dairy districts.

R. H. HARDING, THORNDALE, ONT.

has for some years been breeding and importing Chester White swine. His herd at the present time is chiefly composed of breeding stock. A number of these are imported from Todd and other well-known Ohio breeders. The imported boars and sows are of good quality, but

none of them are as good as some of his Canadian-bred stock, among which are two brood sows, of unusual merit. The Chester Whites are a very promising breed, and will doubtless give good satisfaction where ever they are introduced. They are of a very quiet disposition, are easy feeders, mature early, and produce pork of good quality. Recently Mr. Harding commenced the breeding of Dorset Horn sheep; he has a very nice flock of imported ewes, all in lamb to Messrs. Tazewell & Hector's celebrated St. Vincent No. 1. The young lambs are a very good lot, and since birth have made most extraordinary growth. We had one of the best lambs weighed; it was just 100 days old when it went on the scales and it tipped the beam at 81 pounds; others in the flock have done quite as well.

CHESTER WHITES AS BRED BY H. GEORGE & SONS, CRAMPTON.

The chief factor required in successful pork production depends quite as much upon the aptitude of the hog for flesh forming as in the manner of handling. The emulation between the breeds has drawn out the skill of the breeders in perfecting the many varieties from which pork raisers may now choose a basis for their operations.

Among the candidates for public favor are the Ohio Improved Chester Whites, a few exceedingly choice herds of this breed having been established of late years. Associated with the first importation of Chesters is the name of H. George & Sons, Crampton, Ont. At last season's shows they succeeded in winning sweepstakes for the herd both at Toronto and Montreal. In the class premiums their boar, Royal, bred by Todd, of Ohio, has won all before him since his importation, beginning with the Provincial in London in 1889 where he won, in the section for over one and under two, since which he has never been beaten, including last year's shows at Toronto and Montreal. The two sows, Crampton Lass and Perfection, shown in the section over one and under two, are a grand pair, being particularly smooth, with great length and depth and carrying the width well back to the hams, which are thick and deep.

Snowball, first prize-winner, under a year, is also a sow of wonderful length and breadth. She, with the above mentioned, was included in the sweepstake pen. Taken as a whole the herd has been bred carefully and contains a number of young pigs of more than ordinary merit. A choice lot of spring pigs are ready to be sent to fill orders. Different strains of blood are always kept. Customers are assured when their orders are booked they will not get pigs akin. It is not only in the pig breeding branch of stock importation that these gentlemen have been identified, Mr. George sr. having taken several trips across to England and bought a number of Shire stallions, all of which have been sold except the four-year-old horse Lennox. At one of these trips he brought the Thoroughbred stallion Bon Derra, which is a chestnut rising six years old. This horse is clean limbed with good feet, he has strong quarters and is a thick useful fellow that should do good service wherever he stands. We understand that he is now for sale.

CHESTER WHITES AT MR. E. D. GEORGE'S.

Only a short distance from Putman station, on the C. P. R., and at the next farm adjoining the above mentioned establishment, Mr. E. D. George is also making a specialty of breeding and importing Chester White swine, and has got together a select herd in which he has taken great pains to have individuals of entirely different breeding, in order that he can supply pairs and trios with no blood connection to such of his customers who may send in orders for breeding outfits. At the head of his herd is the boar Uncle Sam (4361), bred by J. H. Eaton, Syracuse, N. Y., which is a pig of capital character. He is remarkably smooth and thick, standing on the shortest legs, while a particularly choice lot of imported sons from such well known breeders as D. W. Schelleberger, Eaton, Ohio; C. H. Gregg, Cumroy, Ohio; L. B. Silver, Cleveland, Ohio, form a variety, as well as array, of smooth thick fleshed beauties that cannot help but turn out breeding pigs that will help to cheapen the production of bacon.