

tending export steers, for which purpose two large stone sheds have been used, some thirty or forty dehorned steers being fed, running loose, their feed troughs being lined around the sides of the building and suspended by ropes running through pulleys by which the troughs are raised as the manure accumulates and the cattle rise higher. Straw for bedding is kept in the loft, whence it is conveniently distributed, and the manure in these sheds, tramped solidly, being practically hermetically sealed, is safely kept in the sheds till the following autumn, when it is applied to the land. One of these sheds is to be used the present winter for the accommodation of breeding mares, a large number of which are kept and which will run together loose, securing the liberty and exercise needed for best results.

The sheep pens are another commendable feature of the buildings, being planned by the owner with a view to affording the necessary exercise for the healthy condition of the animals, the main building being designed for sleeping apartments, while narrow roofed wings with feeding racks and troughs in them run out from the main building across the yards and dividing them, the covered passage over the racks being used for feeding hay brought from the loft over the main building. The breeding ewes are allowed, besides their yards, the free run in winter of the extensive natural pine grove surrounding the farm buildings and serving an admirable purpose in affording protection from the winter winds, besides being a thing of beauty.

THE SHORTHORN HERD.

The leading stock feature at Pine Grove is the noted herd of Shorthorns, numbering at present

1898, also bred at Upper Mill, and bought for the veteran breeder, Mr. Duthie, of Collynie, at \$1,735 in round figures, the dam of Marquis of Zenda being Missie 123rd, from whose tribe came Marengo, the male champion of the breed at the Royal Show of 1898, and whose sire was William of Orange, of imperishable memory. Another useful and well-bred stock bull in use is the four-year-old Scottish Pride = 20839 =, bred by Mr. Duthie, imported in dam, sired by Pride of Morning (64546), and out of Missie 142nd, by Sea King, of the same family extraction as Marquis of Zenda, but of widely different blood lines through the list of sires shown in his pedigree. British Knight = 25206 =, a handsome roan two-year-old son of imported Knight of St. John and Bessie of Rockland, is also in use, and coming from such illustrious parentage should prove a potent sire of good things. Mated with such a class of cows as grace the pastures and stalls of Pine Grove, we should expect the high character of the herd to be, well maintained, and the young things coming on afford ample evidence of progressive breeding.

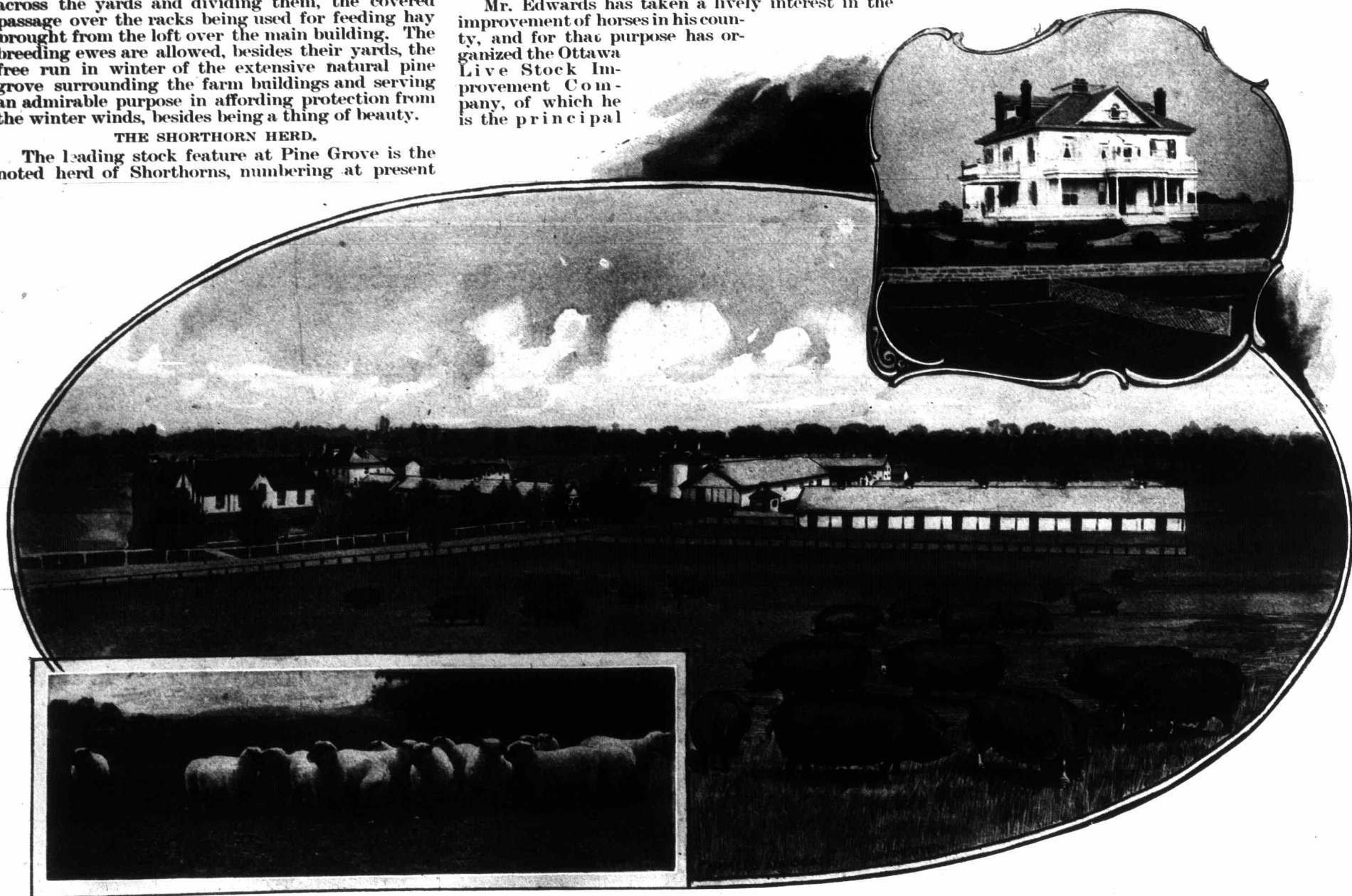
THE HORSES.

Mr. Edwards has taken a lively interest in the improvement of horses in his county, and for that purpose has organized the Ottawa Live Stock Improvement Company, of which he is the principal

branches of the establishment, keeping in the best of health, breeding regularly and raising satisfactory crops of lambs, which have been readily sold at good paying prices for exportation to the United States for breeding purposes, a percentage finding buyers in the county and in other sections of the provinces.

LAURENTIAN DAIRY FARM.

Besides the Pine Grove Farm at Rockland, Mr. Edwards has a well-appointed 300-acre dairy farm at North Nation Mills, on the Quebec side of the Ottawa River, ten miles east of Rockland, under the intelligent superintendence of Mr. A. E. Schryer, on which excellent herds of Ayrshire and Jersey cattle are bred and kept, 50 to 70 cows being milked and a very complete creamery plant operated, the power used to run the cream separator and churn being an oil engine which does its work satisfactorily. The butter is made up in half-pound prints and sold by yearly contract to principal hotels in the city at a uniform price considerably above market quotations, and calves are being successfully fed on the separated milk, a part of which is also devoted



BOW PARK FARM, BRANTFORD, ONTARIO, CANADA.

but sixty head, having been reduced by numerous sales made within the last year, among which was a carload to Hon. Thos. Greenway, Premier of Manitoba, some of which were prizewinners in his herd at the Winnipeg Exhibition last summer. The herd, which has been built up in the last ten or twelve years from a strong foundation of high-class individual animals, imported and Canadian-bred, of the most approved type—robust, thick-fleshed and symmetrical—has made a very creditable record in the show ring whenever selections have been shown, winning repeatedly the highest herd prize at the Great Central Exhibition at Ottawa, and in 1895, the only year in which they entered the competition for the herd prize at the Toronto Industrial Exhibition, were successful in winning the highest honors in a well-filled class, including first prize for herd, and the female championship with the famous home-bred cow, Bessie of Rockland, the herd being headed by imported Knight of St. John = 17102 =, a bull of fine character, which left a grand impress on his stock. The principal families represented in the herd are the Cruickshank, Clippers, Violets, Lancasters, Rosbuds and Minas, with Scotch-topped Young Marys, Symes and Lady Edens, from the latter of which some of the best show animals in the herd have been bred. The chief stock bull at the present time is imported Marquis of Zenda = 20064 =, a rich roan, coming two in February next, a model bull of the breed, symmetrical, strong in constitutional vigor, thick-fleshed and full of quality and character, as one would expect from his breeding in the herd of the late Mr. W. S. Marr, of Upper Mill, Aberdeenshire, being sired by Wanderer (60138), and, hence, half-brother to Scottish Champion, the highest priced bull at the Tillycairn sale in October,

factor, and the purpose of which is the introduction of high-class sires, whose services are held at a moderate figure to induce the farmers to breed the class of horses demanded by the market. The splendid Thoroughbred stallions, June Day and Sleight of Hand, are being kept for breeding carriage horses and hunters, the former horse having many excellent colts to his credit at Pine Grove, large enough and full of style and action, while Sleight of Hand has proved a phenomenal sire of singularly attractive colts, creating quite a sensation at the Ottawa Exhibition this year, not only winning first prize in his class, but also the sweepstakes for best stallion any age, and the two special gold medals for the best stallion and three of his offspring, and for the best stallion over two years old. A fine class of mares of the carriage class is kept, and their produce from the sires named promise to grow into just such horses as are needed for heavy harness work and for hunters and cavalry mounts, for which good prices are readily assured. An excellent Hackney stallion has been added to the stud, and the imported Clydesdale, Lifeguard [1891], winner of first prize at Montreal as a two-year-old and as a three-year-old, and first in all ages at Montreal Exhibition, winning a cup valued at \$60 and a clock valued at \$50, given by the Clydesdale Association of Canada for the best stallion of any age, is doing excellent service in improving the heavy draft stock of the county.

THE SHROPSHIRE.

About 150 registered Shropshire sheep are kept on the farm, which are all bred direct from imported stock, high-class sires having invariably been used, and the flock has proved one of the most profitable

to feeding young pigs, of which very large and profitable herds of Berkshires and Tamworths are kept, crosses between these herds producing very satisfactory feeding hogs. A very complete and attractive set of farm buildings have replaced those destroyed by fire some three years ago, the same general plan and arrangements for convenience of feeding being adopted as at the Rockland farm, the power for driving the farm machinery being a 15-horse-power engine, all the feed being concentrated at one point for convenience of feeding, and the stables well arranged for comfort and health. In construction the buildings have some peculiar features, the style of the roofs being especially notable, being oval in shape, and the buildings entirely without beams, braces or purlines (which greatly facilitates filling them and allows settling of contents unimpeded), and having neither a mortise nor a tenon in their whole construction. The rafters of the barn proper, which is an end-drive, and 42 feet wide, are 27 feet long and each built of 3x6 inch plank sawed oval, in two parts, and spiked together, making each rafter 6x6 inches when finished. The barn has two lines of horse-fork track running the entire length and about 10 feet apart, the floor space from side to side being filled in cross sections with horse fork and slings, the same being used to bring the grain to the threshing machine.

THE DAIRY HERD.

Eighty head of registered Ayrshires—one of the largest and best herds in the Dominion—are found here, bred to a uniform type, well up to the standard of the breed, and selected for usefulness. A number of Jersey cows being large producers, and a few year-old daughters of Cyclone,