

Archibald, Truro; Fred. S. Black, Amherst; Easton Bros., Charlottetown; M. F. Bergman, Pugwash; and John McDonald, Shubenacadie. Easton Bros. had the champion bull; C. A. Archibald, the champion female and the aged herd; and Black took first honors for breeder's young herd.

**JERSEYS.**—This breed was not up to the standard of last year. Mr. Elderkin's herd was absent, and this made a noticeable difference in the exhibit. There were good animals present, however. Among the exhibitors were J. R. Starr, Lower Church Street, N. S.; H. S. Pipes, Amherst; Peter Adams, Plainfield, N. S.; D. McMullen, Charlottetown; G. R. Marshall, Halifax; H. R. McMonagle, Sussex, N. B.; and the Halifax Agricultural Society.

**GUERNSEYS.**—There was a marked falling off in this breed. McMillan and Dawson were the principal exhibitors, and secured most of the prizes.

**HOLSTEINS.**—Logan Bros., Amherst Point, and Samuel Dickie, Onslow, N. S., fought it out between them with the "black-and-whites." Logan securing the lion's share of red tickets.

**FAT CATTLE.**—There were some really fine animals in this class. Herbert Stairs had two capital Angus females, which possessed the best quality of anything brought out. A number of the entries were scarcely up to the standard of a fat class, as they lacked finish, being, in some cases, only nicely started.

There was the usual large turnout of grades, both in beef and dairy cattle, and not the least interesting part of the show was the large exhibit of working oxen in pairs.

**SHEEP.**—Though the exhibit may not have been quite so large as on some former occasions, the quality was rather better, and some very strong rings came before the judge. In Leicesters, Albert Boswell, Pownall, P. E. I., brought out some capital specimens of the breed, and had things pretty much his own way.

H. W. Corning, Chegoggin, practically played a lone hand in Cotswolds, though he had a flock which would have stood pretty strong competition. A few Dorsets and Cheviots were on hand, but they were shown in very thin condition. There was a small flock of Hampshires, which contained some good animals, but they also lacked fitting. Lincolns were scarce, but of very good quality; Albert Boswell, Jr., being the principal exhibitor.

It was when the Oxfords and Shropshires were reached that competition became keen, and some very pretty rings were lined up. In Oxfords, F. S. Black, Amherst, made a strong exhibit, as did also S. R. Lane, Cherry Valley, P. E. I. Other entries by J. E. Baker, Barronsfield, and S. J. Moore, Shubenacadie, helped to make up a show of a most creditable character.

In Shropshires, the main fight was between Andrew McPherson, Rocklin, N. S., and Albert Boswell, from P. E. I. Logan Bros., Amherst, also had some strong entries, while Jno. McDonald, Shubenacadie, and several others, were more or less in the mix-up. It was a good show of Shropshires, and close decisions were the order of the day.

Southdowns were rather scarce, but of good quality. They would have stood a little more fitting, however. There was a large showing of grades and crosses, and some good entries in the fat class.

**SWINE.**—In this department, Yorkshires and Berkshires made the best showing. Many of the animals in some breeds were very thin, and showed a lack of quality. The bacon-hog competition brought out some good animals, there being a marked improvement in this useful class.

**POULTRY.**—The poultry exhibit was large, and the quality good. It was the best, by all odds, that Halifax has had.

### The Indiana State Fair.

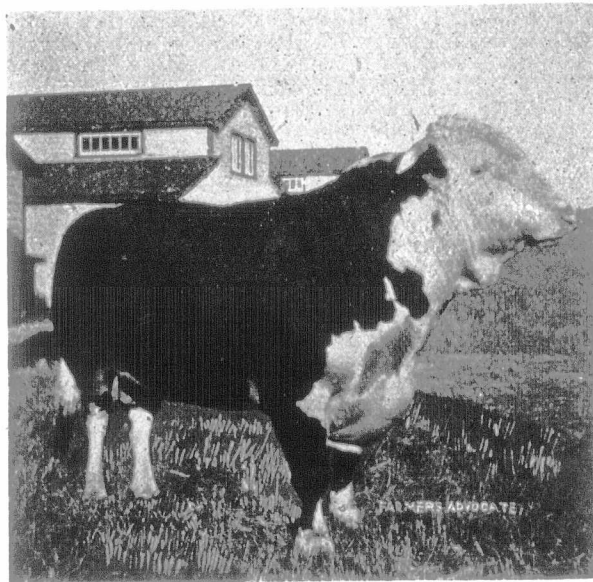
This fair was held, Sept. 16th to 21st, at the City of Indianapolis, the capital of the State. It is claimed by the American people to be the best annual show on the continent, but as a matter of fact, it does not equal the Industrial at Toronto. The State Fair probably leads Toronto in side-shows and wheels of fortune, but that is about all. No fireworks at night are to be seen at this exhibition. After 6 o'clock p. m. the ground is cleared of its sight-seers and all is quiet. The horses made a grand show, both in quality and numbers, and there were some capital races. In this respect Americans shine. The American trotter is certainly a wonderful piece of speed machinery. The cattle exhibits were good. In spite of the show at Buffalo, there were no less than nine herds of Shorthorns competing. The Angus and Galloways were a better lot than are to be seen at Canadian shows. Herefords were not as strong in numbers as usual. The dairy breeds, too, were well represented, but the Ayrshire is not as prominent here as in Canada. The sheep show was really grand. The mutton breeds were judged by W. H. Beattie, Wilton Grove, and H. Noel Gibson, Delaware, Ont. The best of the sheep shown were going to meet Canadian sheep at the Pan-American.

### Sunshine for Hogs.

The Maryland Experiment Station says that the hog is an animal to which sunshine is just as essential as it is to the corn plant. Neither corn nor pork can be successfully produced without plenty of sunshine. In this latitude and farther north this sunshine in winter will have to be brought into the pens through glass, but farther south, under normal conditions, it is only necessary to face the pen to the south, allow the sun's rays to reach to the back of the pen on the beds, and give good shelter and protect from the north and west winds. In constructing the hog-pen for the Station, the following points have been observed: (1) It is faced to the south so as to permit the rays of the sun to shine upon the beds of the pigs at the extreme rear end of the pen in the winter season, and also to give shade in that portion in summer. (2) The lattice construction between the pens at the ends and rear admit of a free circulation of air in warm weather. (3) The location of the manure pit in the center and below the level of the sleeping and feeding floors, with all the drainage below it, aids materially in maintaining a proper sanitary condition. (4) Swinging gates close the pigs into their beds while the manure is being loaded. (5) The manure pit is concreted, which enables the saving of all liquid excrement, which, with the pig, amounts to 51 per cent. of the total manure value. (6) Feed bins are placed in front of each pen, which facilitates feeding and enables keeping different feeds for each pen if desired.

### Another Royal Commission on Tuberculosis.

His Majesty King Edward VII. has appointed Sir Michael Foster, M. D., Fellow of the Royal



**BULLER.**

First-prize yearling and sweepstakes Hereford bull, Winnipeg and Brandon fairs.

BRED AND OWNED BY JOHN WALLACE, CARTWRIGHT, MAN.

Society, and Professor of Physiology in the University of Cambridge; German Sims Woodhead, M. D., Professor of Pathology in the University of Cambridge; Sidney Harris Cox Martin, M. D., Fellow of the Royal Society, and Professor of Pathology at University College, London; John McFadyean, Principal and Professor of Comparative Pathology and Bacteriology at the Royal Veterinary College; and Rupert William Boyce, Professor of Pathology at University College, Liverpool, to inquire and report with respect to tuberculosis: (1) Whether the disease in animals and man is one and the same; (2) whether animals and man can be reciprocally infected with it; (3) under what conditions, if at all, the transmission of the disease from animals to man takes place, and what are the circumstances favorable or unfavorable to such transmission?

### The Importance of Good Hair on Pigs.

In buying their pigs in the country markets, the bacon-curers of the south of Ireland, or rather their representatives, always give the preference to animals with good coats of fine hair, and invariably take occasion of the non-possession by a pig of such covering to belittle the value of the animals in the eyes of their owners. The reason for this is that bacon-curers have found out that pigs with plenty of hair usually give a better quality of meat than those devoid of a good coat. Meat obtained from such pigs has the lean and the fat well mixed, and, as a rule, the fat is also of a firmer quality than that of the fatter and less hairy types of pigs to be met with in many parts of the country.—Ex.

### Ottawa Exhibition.

The last of the three larger Ontario fairs was undoubtedly the most profitable, as it had the best relative attendance. Ottawa Fair has heretofore too often suffered from a rainy week, but this year the only spell of unfavorable weather was on Tuesday, when it was not so bad but that the judging of cattle and sheep could go on. During the early part of the week the attendance was not large, but later the crowds that delayed their coming in order to see the Duke and Duchess of York and Cornwall built up the gate receipts satisfactorily. In addition to this, the offerings in the prize list were not all taken up, there being more empty pens and stalls this year than usual. This is accounted for in three ways: the reduction of the prize list, the cattle show at the Pan-American, and the holding of the Quebec show during the same week. It is true, however, the show of stock was a representative one in nearly all classes, although several of the popular breeds were represented by single exhibitors. The single-judge system was entirely employed, and as a rule with very good satisfaction. The wants of the exhibitors were, as usual at this show, well looked after; and if larger prizes were offered, the stockmen would look upon the "Central Canada" as one of the most desirable shows to attend.

### HORSES.

The show of horses was fairly satisfactory, with the exception of Thoroughbreds. All the other breeds were represented to a greater or lesser extent, and the quality of the animals shown, with a few exceptions, up to the average.

**CARRIAGE HORSES** were out in goodly numbers, all the classes being filled. Among them were some extra nice, useful animals; others, again, being inferior. The banner stallion was A. Blythe's Shelby Chief, a horse showing lots of quality, size and action. The majority of animals shown in this class, while showing in many instances splendid individuality, were cross-bred.

**ROADSTERS.**—The competition in roadsters was keen, and in all classes were animals that was an honor to the ring. The stallion, Bevel Edge, owned by Mr. J. McGugan, won first, although there were a number of onlookers who thought the ribbon should have gone elsewhere. Bevel Edge is a big bay horse of commanding appearance and free, open action. Mr. A. McLaren's Duke of Arklan, who won second, is a splendid type of road horse. Mr. W. C. Edwards won first on mare any age, with a very sweet animal. No one exhibitor had a monopoly of the prizes in this class, they being pretty evenly distributed among the various owners.

**STANDARD-BREDS** were not out in any great number, but what they lacked in numbers was more than made up in quality. The stallion, Ambrosiae, owned by Mr. J. M. Morgan, Ottawa, was a splendid type of animal, showing a symmetrical make-up, coupled with a nice, easy, open gait and proud, lofty carriage. He easily carried off first prize and sweepstakes. A get of his, Ambrosiae 1st, won first prize in the three-year-old class. Mr. A. McLaren, of Buckingham, Que., showed a brood mare with foal by side that was full of quality from the ground up, on which he won first place. The other animals in this class were all creditable ones.

**CLYDESDALES** (Imported) made a good showing, there being some extra good representatives from the famous studs of Graham Bros., Claremont; Robt. Ness & Sons, Howick, Que., and O. Sorby, Guelph; other exhibitors in this class being: Geo. Hay, Lachute, who won third place on the three-year-old stallion, Nately Duke; A. Scharf, Cummings' Bridge, who won first place on brood mare and foal, second on foal of 1901, and second on mare any age; John Savage, Gourock, who took first place on one-year-old filly; and John Rathwell, Navan, who won third place on two-year-old filly. Of the first three named exhibitors, Graham Bros. won the major part of the awards, taking firsts and sweepstakes in both stallions and mares, with the same animals that won at Toronto; Messrs Sorby and Ness dividing the balance of the premiums about evenly. Considerable interest centered around the ring, especially when the mature stallions were out, and here the Toronto decision was reversed by placing Graham Bros.' Burn Brae ahead of Sorby's Cloth of Gold; the judge, Geo. Moore, Waterloo, favoring the weightier sort in body and limb.

**CANADIAN-BRED CLYDESDALES** were out in goodly numbers, but the quality of some of the animals shown was decidedly inferior. Still, there was some good ones, especially among the younger lot. In aged stallions, J. G. Clarke's Ploughboy came to the front as usual, with A. Spratt's Prince Albert a close second. Graham Bros. were represented in this class by a two-year-old stallion, which won second, being beaten by O. Sorby's Charming Lad, which was the only animal shown by Sorby in this class; Grahams also showing a one-year-old entire colt and a two-year-old filly, on which they won second on the former and first on the latter. Other exhibitors were R. Clarke, Dr. J. Watson, W. C. Armstrong, A. Scarfe, D. McIntyre, R. Spratt, A.