

The following resolution was unanimously adopted: Moved by Mr. Geo. Green, seconded by Mr. Thos. Teasdale, "That the Dominion Swine-Breeders' Association, in their annual meeting assembled, respectfully petition the management of the Toronto Industrial Exhibition to provide suitable accommodation for the swine exhibits at their show, the present buildings being totally insufficient and unfit for the proper display of the exhibits, dangerous to the animals, and anything but conducive to the comfort and convenience of visitors; and that this association urge the directors to provide sufficient accommodation before the time for holding the next exhibition."

The following officers were elected: President, Mr. J. E. Brethour, Burford; vice-president, Mr. Geo. Green, Fairview; secretary-treasurer, Mr. F. W. Hodson, Guelph; directors: Yorkshires, Mr. G. B. Hood, Guelph; Berkshires, Mr. Thos. Teasdale, Concord; Suffolks, Mr. R. Dorsey, Burnhamthorpe, Chester Whites, Mr. R. H. Harding, Thorndale; Poland-Chinas, Mr. Wm. Jones, Mount Elgin; Essex, Mr. Joseph Featherston, M.P., Streetsville; Tamworths, Mr. Andrew Elliott, Galt; Duroc-Jersey, Mr. W. E. Butler, Dereham Centre. General director, Mr. J. C. Snell, Snelgrove; auditors, Messrs. John I. Hobson, Mosboro'; R. Snell, Snelgrove.

The meeting adjourned until some time in February.

V. THE JOINT PUBLIC MEETING.

The boards of management of the several stock-breeders' associations took advantage of the presence of the large numbers of stockmen and farmers visiting the city to hold a public meeting in the City Hall. The attendance was all that could be desired. Hon. John Dryden presided, and congratulated the live-stock associations on the success of the show.

Mayor Lamprey welcomed the Ministers of Agriculture and the numerous representatives of the stock associations. His address was responded to by Dr. Mills, J. I. Hobson, and J. C. Snell.

Hon. S. Fisher, Dominion Minister of Agriculture, was then introduced. In his address he said that he took it to be the first duty of a Minister of Agriculture to meet as early as possible the stockmen and farmers of the country, and learn what they need, and how best to obtain it. They are the men, he said, that have made Canada so well known throughout the world. He had their interests at heart, and, in conclusion, he assured them that his entire energy and capacity were thoroughly at their command.

Mr. Pattullo, M.P.P., of Woodstock, assured the stockmen of a hearty welcome if the Fat Stock Show came to Woodstock.

Prof. Chas. F. Thorne, Director of the Ohio Experiment Station at Wooster, Ohio, gave an interesting address on the "Relative Cost of Beef and Butter." Many a farmer would like to know which pays the best to produce, beef or butter. He had set himself the task of finding out as nearly as he could. He then referred to the difficulties in the way of arriving at definite conclusions in regard to the feeding values of any variety of fodder, or in regard to the cost of producing a pound of beef, mutton, pork, or butter. The chemists had helped to solve the difficulty by showing that the water in the food was of no more feeding value than the

water out of a spring or well; and that for true comparison they must use only the dry substances of the food. Working on this basis, the speaker had gathered together the results of a large number of feeding experiments in the United States and Canada, and from these results he found that when a well-balanced ration, containing a fair proportion of grain, was fed, one pound of beef was produced for every ten pounds of dry substance in the feed. Turning next to the production of milk, he found from the analysis of a large number of feeding experiments that one hundred pounds of dry substance would produce three and one-half pounds of butter fat, which is equal to about four pounds of butter. Thus to produce one pound of beef requires ten pounds dry substance of the food, and to produce one pound of butter requires twenty-five pounds of the dry substance, or what will produce one pound of butter will produce two and one-half pounds of beef. Thus we have some basis by which a comparison can be made as to whether it will pay to produce milk or beef. His address, though technical, was very much appreciated.

VI. THE DOMINION HEREFORD BREEDERS' ASSOCIATION.

The annual meeting of the Dominion Hereford Breeders' Association was held at Guelph on Thursday, the 10th of December, Mr. Alfred Stone, Guelph, 1st vice-president, in the chair. The secretary, Mr. H. Wade, read a letter from Mr. H. D. Smith, Compton, Que., president, stating how sorry he was that important business prevented him from attending. Mr. Smith also forwarded a very interesting paper, reviewing features of interest in Hereford matters. He stated that there had been a marked increase in the demand for Herefords at much more satisfactory prices than had been obtained for the previous four or five years; also that there was increased competition and interest displayed at the last fall shows. At Mr. Southam's sale of Herefords last spring the average price for nineteen young bulls was \$200.05. Again, this fall, Gudgeon & Simpson and J. A. Funkhouser held a sale on a cash basis, and sold twenty-four young bulls at an average price of \$196.67; most of these animals were purchased by ranch owners, who seem to like the white faces. He then recommended those who have good calves to take extra care of them, and predicted that they would be well paid for doing so.

The secretary then read his sixth annual report as secretary-treasurer of the Hereford Breeders' Association, in which he stated that an improvement of prices might be expected in the near future.

The association recorded 150 animals from Dec. 1st, 1895, to Dec. 1st, 1896, and has on hand 533 pedigrees for the first volume. One thousand one hundred and fourteen pedigrees lost in the fire have not been returned to copy, but are still coming in slowly. There are 27 members on the roll, although a few have not as yet paid their second call.

Exhibitors in 1896 at Toronto were H. D. Smith, Compton, Que.; D. M. Wilson, Moe's River, Que.; Alfred Stone, Guelph; and Fleming & Co., Weston.

The financial statement showed a balance on hand of \$147.22. The following officers were then elected for 1897: President, H. D. Smith, Compton, Que.; vice-president, Alfred Stone, Guelph; vice-president for Nova Scotia, W. W. Black, Amherst, N.S.; vice-president for Manitoba, Sir Donald A. Smith, St. James'; vice-president for the Northwest Territories, H. A. Muntz, Olds,