

FARM BULLETIN.

The Twelfth Annual Corn Show.

The severe winter weather which prevailed throughout Ontario last week militated against the success of all conventions held, and its effect on the attendance at the twelfth annual Ontario Corn Exhibition was quite marked. However, the quality of the exhibit was not influenced by weather conditions, and the Ontario Corn Growers' Association staged one of the most successful exhibitions in the history of that organization. We have seen more corn displayed at the Corn Show than was in evidence this year, but it is doubtful if the quality ever ranged as high as it did last week. There has been marked improvement in the quality of the seed corn produced in the southwestern counties of Ontario during the past twelve years, on account of the educative influences of the Corn Growers' Association, and it is only natural that the quality of corn exhibited now should be of a higher standard than that exhibited in the past. Added to this is the fact that the season 1919 was favorable to good maturity, and the corn shown was firm and well ripened. The Corn Exhibition was held about a month earlier this year than usual, and some exhibitors had not been as particular in making their selections as they should have been, or had not taken sufficient pains to reduce the moisture content in their exhibits. In these cases the ears of corn were not quite as firm as they should have been, but such instances as this were rare and did not detract from the splendid general effect of the whole show. Kent and Essex seem particularly adapted to the growing of Dent varieties, and these predominated. Nevertheless, Flints were forward in goodly numbers and the entries of the latter were declared to be as good in the Flint classes as the Dents were in the Dent classes. The Flints were judged by W. J. W. Lennox, Inspector for the Dominion Seed Branch in Western Ontario, and the Dents by Professor R. A. Moore, Madison, Wis. Both made very favorable comments regarding the varieties which came under their inspection.

Poultry was introduced into the Corn Exhibition, and a very commendable showing indeed was made of chickens and pet stock. A very considerable portion of the Armories was given over to this feature, and it was considered quite a drawing card. In the centre of the Armories was a large exhibit arranged to represent the products of Kent County. Beneath was a well-laid-out farm with buildings, live stock, and fields represented, and on the outskirts an electric road with engine and cars was running according to schedule. Above this a revolving cylinder carried samples of all crops grown in Kent County and displayed them very artistically. The Poultry Division of the Live Stock Branch, Ottawa; the Sheep and Goat Division of the same Branch, and the Central Experimental Farms, Ottawa, were represented at the Exhibition with good exhibits and men to give information. Farm machinery and other equipment necessary in agriculture were on display, and everything was so conveniently and artistically arranged as to make a very good exhibition indeed.

B. R. Cohoe, of Woodslee, again won the Ontario Corn Growers' Association Trophy for the best sixty ears of corn. The sample was of Wisconsin No. 7, was well matured, exceedingly uniform, and in every way a very good sample. John Parks, of Amherstburg, had the best ten ears of corn and here again Wisconsin No. 7 led. It, too, was a very good sample of high quality. The best single ear of Dent corn was also Wisconsin No. 7 and was shown by J. Broughton, Merlin, while the best single ear of Flint was Salzer's North Dakota, shown by R. J. Johnston, Chatham.

THE ANNUAL MEETING.

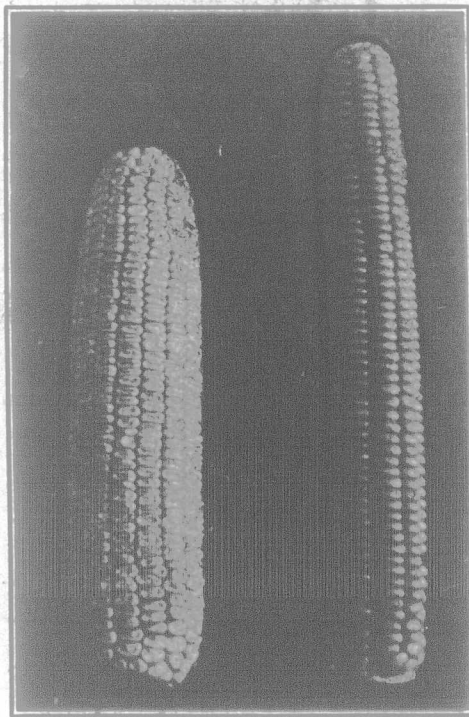
The annual meeting of the Ontario Corn Growers' Association was held on the evening of Thursday, January 15, when matters of considerable importance to corn growers, and to farmers in Western Ontario generally, were discussed. The Treasurer's report showed a balance of \$478.03. The Secretary, P. L. Francher, to whom much credit was given for the success of the Show, reported briefly and said that the past year had been a very successful one for the Association. He stated that the grain shown at the recent Exhibition was about 75 per cent. of last year, while the corn was about the same in number of entries. The reason for this, he opined, was that the show was one month earlier and many growers were not prepared. The matter of an assistant judge was discussed, and it was decided to appoint an assistant to the senior judge to assist him in his work. The Honorary President, on motion of the delegates, was added to the Executive Committee, and it was furthermore agreed that white and yellow Dents should not compete with each other in the show, except for championship, and that Dents and Flints should not compete. Considerable time was given over to a discussion of the proposed Winter Fair for Chatham. The Chamber of Commerce in that City has promised every possible support. The corn growers were anxious that the fair should be enlarged, and a move was made to line up the stockmen in Western Ontario and see if they are interested in a winter fair. Committees were appointed and immediate action is to be taken, with a view to approaching the Minister of Agriculture for Ontario in the near future with information and a well-thought-out plan for his consideration.

L. L. Gregory, of Chatham, who has been President of the Association for three years, retired from the chair, and Walter Anderson, of Amherstburg, was elevated to the position of President. The officers of the Ontario Corn Growers' Association now are: Honorary President, L. L. Gregory, Chatham; President, Walter Anderson, Amherstburg; First Vice-President, Stewart McDonald,

Pt. Lambton; Second Vice-President, Frank Weaver, Turville; Treasurer, J. H. Coatsworth, Kingsville; Secretary, P. L. Francher, Chatham; Superintendent of the exhibition, Fred I. Ure, Maidstone.

ADDRESSES AT THE CORN SHOW.

The twelfth annual Corn Show was officially opened on Wednesday afternoon, January 14, by Honorable Manning W. Doherty, Minister of Agriculture for Ontario. The Minister spoke very sympathetically of the show, and pointed out the great importance of it to the Province of Ontario. He told the growers they were producing seed corn upon which the Province depends for silage, and said that the bulk of our live stock depends upon corn production, and in turn through the production of live stock we must meet our national obligations. The Minister promised very careful consideration of the proposal to enlarge the corn show into an agricultural winter fair, and he viewed favorably the request to establish an experimental farm or breeding station in Western Ontario.



The Champion Ears of Dent and Flint.

A very instructive and interesting address was delivered by Professor R. A. Moore, Madison, Wisconsin, who officiated as judge of the Dent corn. Professor Moore was the originator of Wisconsin No. 7 and Golden Glow and has been very instrumental in organization work in the State of Wisconsin. He told his hearers that through the improvement of varieties the crop in his territory has been increased 25,000,000 bushels without any increase in acreage, and in the development of good varieties two hundred different strains had been reduced to six or seven varieties that overshadowed all the rest. There are 25,000 boys in the organization with which he works, and last year they sold one and a half million dollars' worth of seed outside the State. This money, he said, was not taken to make two or three millionaires but was divided up among several thousand young agriculturists. Professor Moore spoke very highly of the quality of corn exhibited at Chatham, and said there was no reason why Ontario corn growers should not exhibit in the United States with a reasonable amount of success. The corn at the recent exhibition, he declared was of first-class quality and would compare very favorably with the best exhibited on the other side.

Considerable enthusiasm was created among the growers by Professor Moore's remarks, and during an informal discussion tentative plans were made to commence activities right away, with a view to exhibiting corn and seed at the next International Live Stock Exposition, Chicago, where a department has been established for such exhibits.

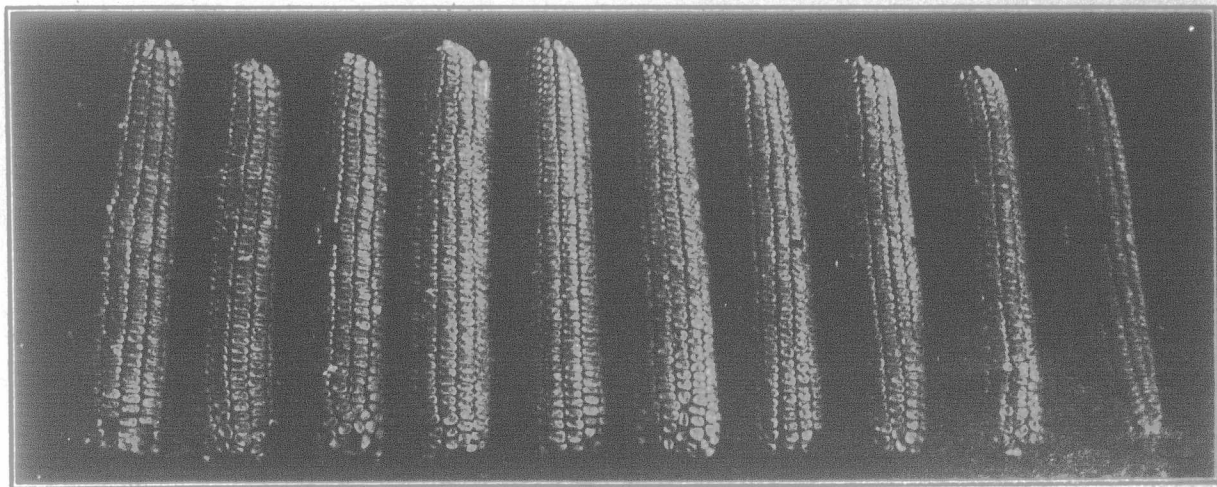
Professor R. Harcourt, of the Ontario Agricultural College, explained the ways and means of maintaining

and improving the fertility of the soil in Essex and Kent Counties. He explained how the plant needs food and this food must come from the soil. In the majority of cases, there are considerable quantities of plant food in the soil but it is not always available. There are about 40,000 pounds of potash to plow depth in one acre of land, and 2,000 or 3,000 pounds of phosphoric acid. Over one acre there are probably 70,000,000 pounds of nitrogen in the air. This potash and phosphoric acid in the soil and nitrogen in the air must be made available to the plant. Decaying organic matter was mentioned as the source of nitrogen in the soil, and nitrogen is a necessary plant food. An abundance of organic matter is necessary in the soil, not only to furnish nitrogen, but to make the soil workable, and the decomposing organic matter produces an acid which works upon mineral elements in the soil and makes plant food available. Organic matter is the foundation of soil fertility, said Professor Harcourt, and the next great requirement is lime. Lime is working downwards in our soil very rapidly, he said. There is plenty of it after one goes down about twenty inches. Stable manure was recommended as one of the best means of providing organic matter because it serves a dual purpose by enriching the soil and re-seeding the soil with organisms which bring about the decay of organic matter. Green crops were mentioned as another means of replenishing the soil with organic matter. The next outstanding requirement of our soils, the speaker said, is phosphoric acid. This is usually found in smaller quantities than the other substances. Agricultural lime was recommended as the best means of providing lime to the soil when one does not desire immediate results.

The corn question as it applies to Canada was thoroughly discussed by W. J. W. Lennox, representative of the Dominion Seed Branch in Western Ontario. He stated that while the market for seed corn looks large it is not unlimited, and growers of corn in Southwestern Ontario should be producers of live stock as well, in order to dispose profitably of the inferior corn and maintain the fertility of the soil. He was chiefly interested in Flint corn and discussed the relative merits of Flint and Dents from the standpoint of maturity in districts outside of what is commonly known as the "corn belt." Mr. Lennox's remarks in this regard will appear in an early issue of this paper.

AWARDS IN GENERAL CLASSES.

Ten ears (Bailey): 1, G. W. Coatsworth, Kingsville; 2, W. Anderson, Amherstburg; 3, Alvin Ouellette, Walkerville; 4, Wm. Fulmer, Kingsville; 5, W. G. Sellers, Amherstburg; 6, F. A. Smith, Aylmer; 7, R. W. Knister, Blenheim; 8, Wm. Woodbridge, Kingsville. Ten ears (Golden Glow): 1, Walkerside Dairy, Walkerville; 2, W. Mitchell, South Woodslee; 3, A. Mitchell, South Woodslee; 4, L. D. Hankinson, Aylmer; 5, R. B. Cummings, Turnerville; 6, Harry Shellar, Port Lambton; 7, Thos. G. Breen, Comber. Ten ears (Leaming or Essex No. 1): 1, A. L. Fulmer, Kingsville; 2, A. W. Coatsworth, Kingsville; 3, John Gould, Essex; 4, J. H. Coatsworth, Kingsville; 5, James Martin, Amherstburg; 6, Thos. G. Breen, Comber; 7, Wm. Gould, Glencoe; 8, Wm. H. Nussey, Stoney Point. Ten ears (Any other variety Dent, correctly named): 1, R. B. Cumming; 2, F. A. Smith; 3, Thos. G. Breen; 4, J. E. Hambly, Cedar Springs; 5, N. Mistele, Rodney. Ten ears (White Cap Yellow Dent): 1, J. Hammond, Essex; 2, T. J. Ouellette, Walkerville; 3, J. McRae, Port Lambton; 4, J. G. Crozier, Belle River; 5, J. A. King & Son, Wardsville; 6, B. R. Cohoe, Woodslee; 7, H. Mossey, Blenheim; 8, C. J. Totten, Woodslee. Ten ears (Wisconsin No. 7): 1, J. Parks, Amherstburg; 2, F. Mickle, Amherstburg; 3, Harry Shellar; 4, A. E. Wismer, Essex; 5, B. R. Cohoe; 6, H. Smith, Ruthven; 7, E. A. Deneau, N. Malden; 8, W. G. Sellers. Ten ears (Salzer's North Dakota): 1, R. J. Johnston, Chatham; 2, H. M. Hessenauer, Rodney; 3, A. S. Maynard, Chatham; 4, W. R. Coltart, Chatham; 5, W. A. Robertson, Wheatley; 6, Jas. Brisley, Thamesville; 7, Arch. MacColl, Rodney. Ten ears (Longfellow): 1, L. D. Hankinson, Aylmer; 2, A. Gilbert, Simcoe; 3, Peter Clark, Highgate; 4, A. Smith. 5, R. J. Johnston; 6, G. I. Smith, Blenheim; 7, H. M. Hessenauer; 8, H. Thompson, Strathroy. Ten ears (Any other variety Flint, correctly named): 1, F. A. Smith; 2, R. J. Johnston; 3, W. A. McCutcheon, Glencoe; 4, H. M. Hessenauer; 5, Jno. Snoblen, Highgate; 6, Arch. MacColl; 7, Jas. Brisley; 8, Sam Snoblen, Chatham. Ten ears (Sweet Corn): 1, F. A. Smith; 2,



The Best Ten Ears of Corn in the Show.