

essor's lecture; while the illustrative, and often brilliant experiments, could not fail to impress upon the minds of the audience, the intimate connection which subsists between the art of cultivating the earth, and the fundamental laws of physical science. On the motion of E. W. Thomson, Esq., a vote of thanks was passed by acclamation to Professor Croft, for his able and interesting lecture. It is surely a hopeful sign of progress in Canada, when the great agricultural anniversaries are graced with discourses on science, by men of eminence in their respective walks. Last year at Kingston, Professor Johnston discharged this honorable duty.

Thursday being the great day of the Show was ushered in with a drizzling rain, and all the appearance of a wet day. Fortunately the weather cleared up about noon, and notwithstanding the unpromising appearances of the morning, which no doubt kept away many hundreds from the exhibition, not less than 7000 tickets for single admissions were sold during the day, beside a large number of member's badges. The afternoon proved delightfully fine, the dust had been laid by the rain, and the Show grounds presented a scene of attraction and pleasure, which has never been approached at any previous exhibition. The Boats from Toronto and Hamilton were crowded to excess; and large numbers continued to arrive from Kingston, Cobourg and the other ports on Lake Ontario, with a goodly array of visitors from various parts of the State of New York.

The Show of Live Stock, if not quite so numerous as might have been expected, must be considered upon the whole, highly creditable to the country. In the Durham class there were some very fine bred animals belonging to Messrs. Howett, Fergusson, Jones, Wade, Atkinson, Miller, Dickson, &c. Of Durham Bulls 3 years and over, 13 were exhibited; also 14 Durham Cows, several of which possessed very high merits. Among the two years and yearlings there were many promising specimens, indicating much attention to the correct principles of breeding by their owners, and affording good ground for hope of continued improvement in the future. The amount of Devons was not large, but of this breed there were a few excellent representatives. The only Herefords on the ground were in the Foreign class. This breed can scarcely be said to have gained as yet a footing on this continent; Mr. Sotham, of Black Rock, N. Y., is making great exertions to introduce it, and judging from the many superior specimens which we have seen in his herd, and what he exhibited at Niagara, there can be no fear for his ultimate success.

The Ayrshires were pretty well represented, and among the grades, which were numerous there were several very fine and useful animals. An enormous Fat Ox belonging to Mr. G. Vanderlip, of Niagara, attracted much attention; the animal was sold we understand to Mr. Armstrong, of Toronto, for £75.

The show of Horses was very good, but in some respects, perhaps, not superior to former exhibitions. For Agricultural Stallions there were 21 entries; Heavy Draught Stallions 8; Stallions 2 years old, 6. There were 13 pairs of matched carriage horses, which as a whole possessed nothing remarkable; 11 spans of Draught horses; 15 Brood mares; 7 thorough bred Stallions 3 years and over; 5 of 2 years, and only 3 thorough bred mares.

In the department of Sheep the exhibition was numerous and decidedly most superior. We have no space to particularise; our readers will be able to learn the names of the successful candidates in this, as well as other classes, by referring to the subjoined prize list. Of Leicester Rams there were entered, 19, two shears and over; 13 Shearlings and 14 Lambs. Of Ewes, 13, two shears and over; 10 two shears, and 16 Lambs. In South Downs the numbers was less, as might be expected, but in point of quality and good breeding this valuable kind of Sheep was well sustained. In several places around the immediate vicinity of Niagara this breed may be seen in an advanced state of improvement. There were and few specimens of Merinoes; but the low prices of fine wool, and in several localities, the climate of this country, will effectually operate against any great extension of this breed.

The Pigs, as regards quality, were of the highest order of excellence, surpassing, we believe, any previous exhibition, 12 Boars and 10 Breeding Sows, 1 year Sow, were shown; also 11 Boar pigs and 14 Sow pigs of 1850.

A considerable number of cattle, sheep, and horses from various parts of the State of New York we observed on the ground; among them no less than 17 Stallions, two of which were from Lower Canada. In the Foreign class there were several excellent specimens that attracted much attention,

The prominent feature in the Agricultural Hall was the large collection of wheat competing for the *Canada Company's prize* of £25. Regarding the quantity and quality of this rich display of the "Staff of life," it may be said, without fear of contradiction, that it has never been surpassed, if at all equalled, on this continent; or perhaps, in any portion of the world. No per-