



Published for the Department of Agriculture for the Province of Quebec, (official part) by
EUSEBE SENECAI & FILS, 20, St. Vincent St. Montreal.

Vol. XIV No. 5

MONTREAL, MAY 1892

\$1.00 per annum, in advance

NOTICE.—The subscription to the *Illustrated Journal of Agriculture*, for members of Agricultural and Horticultural Societies, as well as of Farmers Clubs, in the province of Quebec, is 30c annually, provided such subscription be forwarded through the secretaries of such societies.—**EDITORIAL MATTER.** All editorial matter should be addressed to A. R. Jenner Fust, No. 4 Lincoln Avenue, Dorchester Street West, Montreal—or to Ed. A. Barnard, Director of the *Journals of Agriculture, &c.*, Quebec.

OFFICIAL PART.

Table of Contents.

Jurena, on the formation of a breed of horses in the P. Q.: The Haras National; the old Canadian horse and his origin; how to breed; carriage horses; Arabs 65

Bouthillier on M. Turenne's article; the defects of the modern Canadian pony; Belgians, &c; large or small mares; small thoroughbred stallions 67

Correspondence, Walter Vernon on his Here-fords at the Prov. Ex do Bouthillier on Arabs (from M. Nagant's article) 68

Extraordinary potatoes, Barnard on 68

Choice seed for sale, Barnard on 68

Tree dealers and their methods, George Moore on deceptive work;bsd packing 68

Cheapest way of obtaining nitrogen and phosphoric acid yield of grain; green manuring, leguminous plants; farming without stock; atmospheric nitrogen; lime for the leguminosae; exhaustion of nitrate beds in Chili 69

Price of nitrate of soda 71

Potatoes, Jenner Fust on growing, soils for, nitrogen, ph. acid and potash; preparation of land; grubbers, cultivation; Bouillie-bordelaise 71

Mangels soaking seed; hoeing 72

Carrots; Belgian 72

Parsnips 72

Sweedes 73

Smilging roots, cost of 73

Babcock test of milk, Nagant on the, the lactometer, composition of milk, the Babcock method, the Babcock machine; measuring samples, use of sulph acid, the centrifugal tester method of using the tester, reading off the results, on the results obtained 73

Dairymen's Ass. P. Q., Meeting, 1892, Manitoba dairying, Barnard on Quebec dairying, syndicate of farmers, Chapais travelling

notes, inspectors' reports; Nagant on the Babcock test; silage samples, frauds, "The little Detective" 77

The Huntingdon Dairymen's Ass., 1892, prices of grain; Barnard on Jerseys, &c. pease; butter-cows; top-dressing pastures value of cottonseed-cake, Fisher's cows; wooden siloes vs stone, MacPherson on profitable farming, on corn silage-milk said not to keep 78

Tame-grasses 79

Cottonseed meal 80

Discrepancy among experts 80

Waste of nitrogen in dung 80

Plaster as a fixer of ammonia, Girdwood on 80

Phosphoric acid; basic slag 80

Rolling vs. driving 80

Illustrations Shorthorn bull 73

do Babcock tester 75

do Green manuring for oats 70

do Yield of the crop 71

The Formation of a Breed of Horses in the Province of Quebec.

I am indebted to M. C. F. Bouthillier, Bleury, Ste-Thérèse de Blainville, for the translation of M. Turenne's article on horses, and for the remarks thereunto attached. A. R. J. F.

The Haras National of the Province of Quebec has to deal with a most frightful jumble of the most incongruous elements, in the shape of the native horse population as at present existing in this Province. Canadian horses here, now, have neither symmetry nor quality, not can they boast of any well marked characteristics; about all that can be said of them is that they are endowed with a large amount of hard-