

The English Derby.

Before a tremendous crowd, in a hard thunder-storm, the English Derby, the greatest of all the classic races in the civilized world, was won on June 1st by Mr. Leopold Rothschild's St. Amant, by St. Frusquin. Sir John Thursby's John O'Gaunt was second and Mr. Joel's St. Denis third. The French owner, M. Edmond Blanc, who paid \$7,500 gs. for Flying Fox, had backed Gouvernant, son of that horse, to win, and many thought he would. A French triumph would have been a great loss to Britain. The French horse was the favorite, and more Frenchmen saw the race than have ever before been assembled at one time on Epsom Downs.

MARKETS.

Trade in cattle continues brisk at Canadian points, although buyers claim the best of exporters are all cleared out. Toronto dealers are very snappy buyers of butchers, and feeders are changing hands in large numbers. Hogs are again quoted down to \$5.10½, but cheese prices, though not rising, show strength.

Export Cattle—The demand continues good, and the market generally steady, despite the fact that a fairly large run is offering. Most of the cattle are of good quality, although dealers say the best class of export cattle have already been shipped. Extra choice, \$5.20 to \$5.50 per cwt.; medium to good, \$4.80 to \$5.10; and cows, \$4 to \$4.40.

Butcher Cattle—Are in keen demand; prices show a firmer feeling, and some cattle sell as high as \$5.10 per cwt. The best steers and heifers are quoted at \$4.90 to \$5.10 per cwt., and good to choice loads at \$4.70 to \$4.90; fair to good loads, \$4.40 to \$4.60; mixed lots of medium cattle, \$4 to \$4.25; good cows, \$3.50 to \$4.30; and common to fair, at \$2.75 to \$3.25.

Stockers and Feeders—Continue active, and are firm in tone. Short-keepers, in good condition, are quoted at \$4.70 to \$5, and lighter weights at \$4 to \$4.50; good stockers at \$3.35 to \$4, and common at \$2.50 to \$3.00.

Milk Cows—The market has a slightly better tone, and trading is lively. There are still too many poor quality cows coming forward. The range of prices is about steady, at \$30 to \$50 each.

Calves—Firm in tone, and trade active. Quotations are slightly better at 4c. to 5c. per pound, and \$2 to \$10 each.

Sheep and Lambs—Export sheep are quoted at \$3 to \$4.25; mixed sheep at \$3.25 to \$3.75, and spring lambs are firm at \$3 to \$5 each.

Hogs—The market is quoted at \$5.10½ for choice selects, and lights and fats at \$4.85½.

GRAIN AND PRODUCE.

Toronto Wholesale Market.

Wheat—91c. to 92c. for No. 2 red and white, west and east; goose, 81c. for No. 2 east; spring, 86c. for No. 2 east. Manitoba wheat is steady at 93½c. for No. 1 hard, 92½c. for No. 1 northern, 89½c. for No. 2 northern, and 87c. for No. 3 northern at Georgian Bay ports, and 6c. more grinding in transit.

Flour—\$3.70 to \$3.75 for cars of 90 per cent. patents in buyers' bags west and east. Choice brands are held 15c. to 20c. higher. Manitoba flour is steady at \$4.80 for cars of Hungarian patents, \$4.50 for second patents, and \$4.40 for strong bakers', in car lots, bags included, on the track, Toronto.

Millfeed—\$17 for ears of shorts, and \$15 to \$15.50 for bran, in bulk west or east. Manitoba millfeed is steady at \$20 for cars of shorts and \$18 for bran, sacks included, Toronto freights.

Barley—42c. for No. 2, 40c. for No. 3 extra, and 38c. for No. 3 west or east.

Buckwheat—45c. for No. 2.

ILLUSTRATIONS.

Shire Mare, Flower, and Foal851
Aristocratic Bovine Emigrants Land-
ing at Levis, P. Q.853
J. W. Hotson, M. A.855
In the Chilliwick Valley, B. C.857
Among the Bees859

EDITORIAL.

How to Know What to Produce849
Develop the Egg Business849
The Live-stock Catalogue at the
Shows849
Nova Scotian Progress849
After Thirty-five Years849
How to Cover the Continent850

HORSES.

Congenital Scrotal Hernia in Colts850
Percheron Horse Registration850

STOCK.

Some Phases of Cattle Feeding850
Prof. Grisdale's Steer-feeding Test851
Sheep Profitable Stock851
An Old Country Border on our Herd-
book restrictions851
Prevention of Milk Fever852
Death of Joseph Colshaw852

Rye—57c. to 58c. for No. 2.
Corn—45c. for Canada west. American, 59½c. for No. 2 yellow, 58½c. for No. 3 yellow, and 57½c. for No. 3 mixed, in car lots, on track, Toronto.

Oats—No. 1 white, 32c. east; No. 2 white, 31½c. east, and 31c. west.

Peas—61c. to 62c. for No. 2 west or east; milling peas, 3c. more.

Beans—Are quiet, at \$1.55 to \$1.60 per bush. for hand-picked, \$1.40 to \$1.45 for prime, and \$1 to \$1.25 for ungraded, in job lots here.

Baled Hay—The market is easy on account of the likelihood of a heavy crop. Cars on the track are quoted at \$8.50 to \$9 per ton.

Baled Straw—\$5 to \$5.50 per ton for car lots on track here.

Potatoes—Are about steady, although the receipts are large. Cars on the track here are quoted at 80c. to 90c.

Butter—The situation is unchanged, with receipts heavy and the demand quiet for anything but good stock. Creamery prints, 17c. to 18c.; creamery solids, 15c. to 16c.; dairy pound rolls, good to choice, 11c. to 13c.

Cheese—Is in fair demand. Quotations are steady at 9c. for new large, and 9½c. for new twins. Old large are gradually being cleared out of the market at 10c.

Eggs—Are steady and quoted unchanged at 15c., with some dealers asking 15½c. for small lots. Seconds are 12c. to 12½c.

Retail Prices, Toronto Street Market.

Wheat	.....	\$ 0 96
Wheat, goose	.....	80
Wheat, spring	.....	92
Oats	.....	38½
Barley	.....	45½ to \$ 0 46
Rye	.....	61
Peas	.....	66
Hay, No. 1 timothy	.....	10 00 to 11 00
Hay, mixed or clover	.....	8 00
Straw, sheaf	.....	10 00
Dressed hogs	.....	6 50 to 7 00
Butter	.....	15 to 18
Eggs, new laid	.....	15 to 17
Fall chickens, pair	.....	75 to 1 50
Old hens	.....	10 to 11
Spring ducks, per lb.	.....	30
Apples, per barrel	.....	1 00 to 3 00
Potatoes, per bag	.....	1 00 to 1 10

Montreal Wholesale Prices.

Montreal—Oats, 37c. to 37½c. for No. 2 in store here; No. 3, 36c. Corn, American yellow, No. 2, 61c. to 62c.; No. 3, 59c.; white, No. 2, 59c. to 60c. Buckwheat, 59c. to 60c.

Flour—Manitoba patents, \$4.90; seconds, \$4.60; strong bakers', \$4.40 to \$4.60; winter wheat patents, \$4.75 to \$4.90; Ontario straight rollers, \$4.55 to \$4.65; \$2.20 to \$2.30 in bags.

Millfeed—Ontario bran in bulk, \$17.50 to \$18; shorts, \$19 to \$20; Manitoba bran in bags, \$18 to \$19; shorts, \$19 to \$20.

Beans—Choice primes, \$1.40 to \$1.45 per bushel; \$1.35 in car lots.

Hogs—Fresh killed abattoir hogs, \$7.50; live hogs, \$5.40 to \$5.75.

Eggs—Select, 16c. to 16½c.; new laid, 15c.

Butter—Full grass, 16½c. to 17½c.; western dairy, 13c. to 14c.

Cheese—Ontario, 8½c.; best Quebec, 7½c.

Chicago Markets.

Chicago—Cattle—Good to prime steers, \$6.25 to \$6.50; poor to medium, \$5.60 to \$7; stockers and feeders, \$3 to \$4.70.

Hogs—Mixed and butchers', \$4.80 to \$5; good to choice, heavy, \$4.90 to \$5.

Sheep and Lambs—Choice wethers, \$5 to \$5.30; fair to choice, mixed, \$3.75 to \$5; native lambs, \$5 to \$6.75; spring lambs, \$6 to \$7.25.

Cheese Markets.

Kemptville, June 10.—2,056 boxes of cheese were boarded, of which 1,886 were colored. Sales were made at 8 3-16c. and 8½c.

South Finch, June 10.—Number, 2,045 boxes; 220 colored and the balance white, were boarded. Fine offered 8½c. for both.

Napanee, June 10.—At the Cheese Board there were 1,070 colored and 1,010 white boarded. All sold at 8½c.

Iroquois, June 10.—Cheese boarded, 1,118 white, 1,021 colored. Three lots sold on board at 8 1-16c.

Listowel, June 10.—Fourteen factories boarded 1,493 boxes of white and 270 of colored cheese; 8c. bid; no sales. On street afterwards considerable was bought at 8½c.

Ottawa, June 10.—There were 1,908 boxes boarded, 707 colored and 1,196 white, and only a few boxes were sold at 7½c. The sellers were rather sore, as 8c. was paid on every other board in Eastern Ontario.

Picton, June 10.—Thirteen factories boarded 1,730, all colored; highest bid, 8 1-16c.; all sold.

Parth, June 10.—2,375 boxes on the market to-day, of which 1,675 were white and 700 colored. All sold at 8c.

Stirling, June 8.—At Stirling Cheese Board to-day, 1,040 cheese were boarded. Sales were made at 7½c.

Woodstock, June 8.—Fifteen factories offered 3,000 boxes of cheese. The highest bid was 7½c., which was refused. The tone of the market was weak, there being little inclination to buy or sell.

Brockville, June 9.—2,997 cheese were boarded to-day, and 1,575 were sold on the board at 8c. Practically all the make went at that figure by private sale.

Madoc, June 9.—1,330 were boarded; 1,280 sold at 7½c.; balance at 7½c.

Kingston, June 9.—1,162 boxes were boarded, of which 1,012 were colored and 150 white. Highest bid, 7½c. No sales.

Tweed, June 9.—At Tweed Cheese Board here to-day 830 cheese were boarded. All sold at 7½c.

Winchester, June 9.—At a meeting of the Cheese Board held here to-night, 444 colored and 1,119 white were registered; 199 colored and 518 white were sold on the board at 8c.

Vankleek Hill, June 9.—There were 1,834 cheese boarded, 174 colored and 1,660 boxes white; all sold on board at 8c.

Barrie, June 9.—The Barrie Cheese Board met to-day; one hundred and seventy-five cheese boarded. All sold at 8c.

Belleville, June 11.—On the Cheese Board held here to-day there were offered 3,700 white and 400 colored cheese, balance May. Sales were 2,700 at 8 3-16c. to 8 5-16c.

Watertown, N.Y., June 11.—On the Cheese Board to-day 6,000 cheese sold at 7½c. to 7½c. for large, and 7½c. to 7½c. for small and twins.

Cowansville, Que., June 11.—27 creameries offered 2,165 boxes of butter, and 36 factories offered 2,523 boxes of cheese. Cheese sold at 8 1-16c. to 8½c.; butter, 17c. to 17½c.

London, June 11.—At to-day's cheese market, 1,142 boxes were offered at 8 3-16c.; bidding ranged from 7½c. to 8 3-16c.

Alexandria, June 11.—1,279 cheese, 1,090 white and 189 colored, sold at 8½c.

Buffalo Markets.

East Buffalo—Cattle—Prime steers, \$5.70 to \$6; shipping, \$5.25 to \$5.75; butchers', \$4.85 to \$5.65.

Veals—\$4.25 to \$5.50.

Hogs—Heavy, \$5.10 to \$5.15; mixed and Yorkers, \$5.10 to \$5.20.

British Cattle Markets.

London—Canadian cattle are steady at 11c. to 12½c. per lb.; refrigerator beef, 9½c. to 9½c. per lb. Sheep steady, 12c. to 14c. per lb.; yearlings, 15c.

CONTENTS OF THIS ISSUE.

Best of All852
Pigpen Front852
With the Flock852
Wool in the Western States852

FARM.

Rotation is Sugar-beet Growing852
Attention to Detail853
The Hired Man853
Mustard Spraying853
Investigation of Soils Rich in Vegetable Matter853
A Noted Agricultural Chemist's Opinion of Wheat Bran854
Killing Weeds in Wet Weather854
Manuring Root Land854
Twine Prices854
A Good Reputation854
The Farmers' Technical School855
Opinions855
The New Seed Bill855
Draining (illustrated)856
The Corn Crop856

DAIRY.

Dairying at the Western Fair856

Dairy Farming857
Shall We Abandon Cream Ripening?857
The Influence of the Hand Separator on Dairying857

POULTRY.

Co-operative Egg Business in Ireland858
Chickens dying858
Denmark's Egg Trade858

GARDEN AND ORCHARD.

Planting Evergreens858
British Columbia Fruit858
Two Garden Insects858

APIARY.

An Amateur Bee-culturist859
Artificial Swarms859

NOTES AND NEWS.

The Horse Tariff; British Trade and Market Conditions860
The Canadian Budget and Tariff; Field Husbandry; Notes from Ottawa; Machinery with Intelligence; A Scholarship Competition at a

State Fair; The People's Verdict; Spraying Demonstration; Bass Fishing; An Ontario Forestry Officer; Coming Fairs; Senator Black861
The English Derby862

MARKETS862

HOME MAGAZINE863 to 868

QUESTIONS AND ANSWERS.

Veterinary.

Chronic cough; mare vicious with foal873
Barbed-wire wound; cow pox—hard milker; capped hock—tumor or abscess; shoulder-slip or sweeny874

Miscellaneous.

Silage crop—alsike; barren mulberry tree; orphan girls; lame hen; Royal Exchange; turkeys dying; buttermilk870
Right to manure; a seed impurity; an unsatisfactory cow873
Heifer fails to breed; bursal enlargement; Baldwins winter-killed; improving quality of milk; serious abscess; blackbirds taking corn874