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THE DOMINION.

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The Buttermaker's Art.

The problem of choice quality is the first problem of the Canadian buttermakers to-day. Beside it lies the problem of economical production; and next in order, that of storage and transportation. The latter bear directly on the cost of production, as for the most part they are a charge against the producer. Being a matter of public as well as of private concern, the Government is in duty bound to see that carriage charges are not excessive and that they are of such a character that food products will not deteriorate in transit. But the initial steps are still the most vital. Quality begins with the milk producers and in the creamery. Whether for export or home consumption, practically the same rules govern. The consumer is the final arbiter of quality, but the competitions at our fairs constitute a great stimulus to the best efforts of the buttermaker. The judges are experts in the trade, and to make prizewinning exhibition butter is to make a top product for the market. Essentially, the processes are the same in regard to cream-ripening, churning, working, etc., but for the former the maker is likely to take extra precautions at every step. Of such interest and importance is this subject that the "Farmer's Advocate" gladly gives space to an instalment of letters in this issue from makers who have the honor of making prizewinning butter for the great Toronto Industrial Exposition. They will repay perusal. We hope to hear from others, either farm or creamery dairymen or dairymaids, with any additional comments that will give value to the discussion.

The Opening of New Ontario.

What is called "New Ontario" is a vast country of vast possibilities. Beginning at the Ottawa River and the westerly boundary of the Province of Quebec, it extends all the way west to the eastern boundary of Manitoba. It lies north of the Parry Sound District of "old" Ontario, Georgian Bay, the north channel, River St. Marie and Lake Superior, and extends northward to James' Bay, Albany River and Keewatin District. It comprises, beginning at the east, the following large districts: Temiskaming, West Nipissing, East Algoma (including Sault Ste. Marie), Thunder Bay (in which are Port Arthur and Ft. William), Wabigoon and Rainy River. These districts contain millions of acres of rich, well-watered agricultural lands, besides untold resources, which are now beginning to be developed, of timber and minerals. One of the more notable exhibits at the Toronto, London, Ottawa and other large exhibitions this season was an exhibit from Thunder Bay district (in charge of Mr. J. A. Robertson, of Toronto) of grains in the sheaf, etc., taken from the fields this season, and spring and fall wheat, oats, barley, rye, flax, spelt, timothy, clover, and an immense collection of native grasses, all of which constitute indisputable evidence of the productiveness of that country. Vegetables and a great variety of fruits are produced there with equal success. The display was a revelation to thousands of farmers, and townspeople as well, not heretofore clearly conversant with the capabilities of the New Ontario. In connection with this exhibit was a Bureau of Information, established by Mr. Thos. Southworth, Director of Colonization for the Crown Lands Department of the Ontario Government, from which were distributed maps of the new country and other literature describing in detail its resources, developments, and how lands for settlement may be secured. With this Bureau was also Mr. Wm. Geo. Fee, representative of the Clergy syndicate, interested in railway construction, pulp mills and other important industries. The Department deserves commendation for the character of the exhibit of products made and the valuable information laid before the people. In this connection, Mr. Wm. Taylor, of Middlesex Co., Ont., who recently spent some time in the Temiskaming district, which is now rapidly being settled, gives us a very favorable account thereof, and left with the "Farmer's Advocate" samples of this season's oats, barley and peas, grown not far from the lake, and the equal of which it would be difficult to find in any country. Some of them were grown on the farm of Mr. John McChesney, and others by Mr. John Armstrong. There is little doubt but that when the extent and value of these new areas become properly appreciated by the general public, and as additional railways are constructed, there will be a great influx of people to engage in farming and the other industries which are now being established. Villages and towns are already springing up, and in many cases the sawmills are entirely unable to meet the demands upon them for lumber.

STOCK.

Does Not Fear Bacilli.

The Paris correspondent of the Daily Telegraph says: Dr. Garnault has seen Dr. Koch, and with the latter's consent will commence experimenting at once upon himself to ascertain whether bovine tuberculosis is communicable to man. He has had a conversation of some two hours' duration with Dr. Koch. Dr. Garnault mentions his statement that cowherds living with tuberculous cattle are not infected. Regarding inoculation experiments, Dr. Koch expressed the following opinion, to which Dr. Garnault draws particular attention, as it has not, he thinks, been published before: "The most convincing demonstration will be obtained, not by inoculation, but by absorption of unboiled milk regularly during several months." Dr. Garnault has determined to act upon this idea. After having been inoculated with bovine tuberculosis, he will immediately begin to follow a tuberculous milk diet. For the space of a year he will drink nothing else. He will obtain milk as rich as possible in tuberculosis bacilli, which will be analyzed every fortnight in order to ensure its satisfying that requirement. Dr. Garnault will drink this mixed with a little ordinary water. Every two months, to make assurance doubly sure, he will be inoculated with a virulent culture of tuberculosis bacilli, the force of which will have been tested on calves. If at the expiration of a year of this treatment Dr. Garnault is not consumptive, he will conclude, he says, that "under the conditions in which he was placed bovine tuberculosis is at any rate not easily communicable to man." "Dr. Koch," he remarks in conclusion, "admits, with perfectly serene conviction, that I shall come out of the ordeal quite unscathed."

The Western Fair.

The live-stock classes at the Western Fair, at London, Ontario, in the second week of September, were well filled with high-class animals, in fine condition, in every department, many Western Ontario exhibitors, as usual, ably filling the places of the few who go home or in other directions after the Toronto Exhibition. The stock show at London is never disappointing to visitors, and all that is needed to make it a still stronger feature here is a more liberal prize list, a fuller classification, and some facilities in the way of a couple of judging rings surrounded with seating, so that the making of the awards in cattle and horses (other than speeding classes) may be witnessed by the public with some degree of comfort.

HORSES.

It would take a long story to tell a little about all the horses shown at the Western Fair this year. The improved state of the horse trade seems to have materially stimulated the competitive spirit amongst horsemen, as the various classes were better filled with better animals than we have ever before seen at this show. The lighter classes were particularly strong, which was to be expected in Western Ontario, where many world-famed race horses and first-rate saddle and remount horses have been bred and reared. The draft classes were also better than usual, several Toronto winners being turned down here.

THOROUGHBREDS.—This is always a light class, and was no stronger than usual on this occasion. Mr. S. B. Fuller, Woodstock, placed the awards, as he has done on several previous occasions. In a section of four mature stallions, the Toronto winner, Dermot, owned by Wm. Fleming, Portage la Prairie, Man., won 1st, the breezy 10-year-old horse, Temple, of useful size and conformation, and shown by Jos. Mossip, Thorndale, coming 2nd, and R. O. Smith's Hilderney, also a good one of the big type, 3rd. There were no younger stallions shown and rather few mares. The second-prize brood mare in Toronto, owned by Jesse Jonathan, had to step down to 3rd place, being fairly defeated by Jno. Coventry, Woodstock, and D. H. Porter, London, with rather fine specimens of the breed. The best mare in the class was shown alone in the 3-year-old filly section; she is owned by W. Clark, Goderich. There were two 2-year-olds and no yearlings shown. Coventry defeated W. A. Sage, London, with a well-bred 2-year-old, Sage's filly being a likely turf mare as she matures. Mr. Fuller also judged the saddle and hunter classes, which were quite up to the Toronto exhibits in quality, but fell behind in numbers. The chief prizewinners were of first-rate quality, being from the well-conducted stables of Mr. Adam Beck, London. Mr. L. Meredith and Dr. J. D. O'Neil were also successful competitors. P. Farrell and H. P. Welford, Woodstock, won honors in the younger sections.

ROADSTERS.—This class on the line was judged by J. S. Cole, Woodstock, who had a deal of good material to work over; in fact, this was one of the heavy classes of the show. Mature stallions were light for this fair, there being just two out, one the well-known and highly-esteemed breeder, Chester, that is old and blind, and the very handsome Paven, by Pavonia. This horse, now four years old, closely resembles his handsome sire in general outline, although he is a trifle more compact. He is first of all a trotter, and would go fast if given encouragement. He won for his owner, S. P. Thompson, Woodstock, 1st prize, and later, sweepstakes honors. Chester is owned by Jas. McKee, Denfield. As we go down the list of colts, we find Hackney blood, and it would not be difficult to guess that Jubilee Chief was somewhere about at their commencement. The second-prize 3-year-old, owned by A. St. Clair, and Jno. W. Coulter's first-prize 2-year-old were by him. John Hill, Port Burwell, showed easily the best 3-year-old, in the handsome chestnut, Lord Norfolk, a promising son of W. M. Hill, that already shows a good way of going. G. W. Kennedy, Ilderton, showed the only yearling colt—a Standard-bred of good type, from an Almedium dam.

There were three really choice brood mares in the seven shown. Henry Zinn, Listowel, has a good family of road horses, as he invariably brings out winners. His good brood mare, Bessie, by Oliver Wilkes, is not only a good individual, but a producer of good ones. She won 1st, as did also her fine foal by Wedgeblock. Andrew Venning captured 2nd, and F. J. & T. B. Thompson 3rd on mares. A. St. Clair coming in 2nd with another of his Jubilee Chief foals. The thirteen 3-year-olds was an imposing string, and not easily disposed of. Henry Zinn again scored here on a Wilkes-bred filly; J. W. Forley, Delhi, won 2nd, and Wm. Fleming, London West, 3rd on beauties that show considerable speed tendencies. In a section of nine good two-year-olds, P. Farrell, Woodstock, won 1st on a get of Dr. Tom, a big filly of good type, M. J. Siddall, Denfield, coming next on a smaller but better-gaited get of