

THE ONTARIO EXHIBITION.

Thursday, the 26th ult., was a great day at the Hamilton Exhibition, signalized by the visit of His Excellency the Governor-General and Lady Dufferin, who had left Toronto that morning to attend the Fair. The special train conveying Their Excellencies reached Hamilton shortly after twelve, and after having replied to addresses of welcome from the Corporation and Board of Trade, and partaken of a lunch at the station, the Governor proceeded to the exhibition grounds. His Excellency was accompanied by Lady Dufferin, Lieutenant-Governor Howland, Sir Hastings Doyle, Lieutenant-Governor of Nova Scotia, Mayor Chisholm, M.P., Sir Frederick Arrow, Deputy-Master of Trinity House, England, Col. and Mrs. Harriet Fletcher, Col. Cumberland, A.D.C., Mr. Coulson, A.D.C., Mr. Brassey, M.P., of England, Mrs. Brassey, Capt. Curtis, A.D.C., Capt. Webb, Mr. Edwards (Secretary to Sir Frederick Arrow), Wm. H. Smith, Deputy-Minister of Marine and Fisheries, Lieut. Smith, R.N., H. B. Witton, M.P., Hon. A. McKenzie, Hon. Adam Crooks, Hon. A. McKellar, Hon. R. W. Scott, Hon. W. McMaster, Hon. Peter Gow, Col. McGivern, President Dominion Board of Trade, Donald McInnes, A. T. Wood, President Hamilton Board of Trade, James Turner, J. I. McKenzie, E. Irving, Col. Skinner, J. M. Williams, M.P.P., John Brown, J. H. Greer, S. L. Gregory, and other gentlemen.

The arrival of the distinguished party was announced by music from the Thirteenth Battalion, and instantly an immense throng congregated about the main entrance to see the distinguished visitors. In their eagerness, the spectators clambered to the roofs of the sheds, and one of these—that of the poultry shed—gave way, precipitating its occupants to the ground; but nobody was seriously hurt. The cortege drove directly to the judges' stand in the horse ring, where the following addresses were read to His Excellency by Mr. Stephen White, the President of the Association:

"To His Excellency Earl Dufferin, K.P., K.C.B., Governor-General:

"MAY IT PLEASE YOUR EXCELLENCY,

"We, the Council of the Agricultural and Arts Association of Ontario, beg to assure your Excellency that we have great pleasure in welcoming your Excellency to our annual exhibition, where are collected specimens of the products of the agricultural, mechanical, and artistic skill of this Province.

"We hail with satisfaction your Excellency's accession to the Government of the Dominion, being assured, from your ability and experience, that you will administer the Government impartially and in accordance with the constitution under which we have the happiness to live.

"We hope that Lady Dufferin will be pleased with her visit to Western Ontario, and that your Excellency may feel that in coming to Canada you have not come amongst strangers. The people of Ontario, whenever your Excellency may visit them, will accord to you a hearty welcome, both personally and as the representative of Her Gracious Majesty Queen Victoria, to whose person and Government they are devotedly attached.

"We earnestly hope that your Excellency and Lady Dufferin may enjoy in Canada a full measure of health and prosperity.

"STEPHEN WHITE, President,
"HUGH C. THOMSON, Secretary."

To this address His Excellency replied as follows:

"GENTLEMEN: I have long looked forward with pleasure to the prospect of judging of the present agricultural wealth and mechanical skill of Western Canada. Reports of the progress she had made in these respects had reached me in England, and I consequently gladly embrace the opportunity of verifying, with my own eyes, the favourable impressions I had already received.

"The great advance which, of late years, has been made in all that pertains to agricultural science has received an impetus from the mechanical inventions of this side of the Atlantic, and it affords me the greatest pleasure to perceive that Canada, far from being behind her powerful neighbour, equals if she does not surpass her in the competition, which has for its aim the true development of the true riches of the earth.

"I thank you for your expressions of kindness towards myself, and I promise you that I will do all in my power faithfully to act as the representative of our Gracious Sovereign, so that I may foster that spirit of loyalty which is so marked a characteristic of her Canadian subjects.

"I am commissioned by Lady Dufferin to thank you in her name for the hearty welcome you have accorded her, and to assure you that she already looks upon Canada as a home in which she hopes to pass many years, and among whose people she trusts she will make many and firm friends."

Addresses to Lieut.-Governor Howland and Sir Hastings Doyle were also read. The visitors then re-entered the carriages and drove through the grounds, greeted everywhere by the plaudits of the multitude; and after seeing the principal part of the outdoor display, they drove away.

On the following day their Excellencies again visited the grounds for a leisurely inspection of the exhibition, which it was impossible for them to obtain the day before. They were accompanied by Hon. Alex. Mackenzie, D. McInnes, Esq., and other prominent citizens. There was a minute inspection taken, in which Lord and Lady Dufferin evinced great interest. The little model sewing machine from the Gardner Co's. establishment, which by the way is named the Governor-General—was evidently a great curiosity to the party, and His Excellency thanked the maker, Mr. Wm. MacBeth, foreman of the shop, for the compliment paid him in the naming of the fairy little seamstress. The splendid collection of machines shown by this Company received marked attention from the distinguished visitors as did those of the other makers present. The splendid square piano of C. L. Thomas & Co., which received the first prize, was an object of special interest to Lady Dufferin, and she remained quite a length of time enjoying the rich deep music which it gave forth. After going through the Palace the Horticultural Hall was visited, where Lord Dufferin and Lady tasted some of the choicest fruit and native wines. McKee's and Bertram's fine collection of machines was next visited, and in turn every part of the grounds. About half-past ten the company took their departure amid the cheers of the spectators.

THE ARTIFICIAL PROPAGATION OF TROUT.

To the Editor of the "CANADIAN ILLUSTRATED NEWS."

DEAR SIR,—Allow me to notice in your columns a praiseworthy, and, as I hope, a successful attempt, now being made in our midst, to propagate in artificial ponds, one of the most delicious of the fresh water fish to be found in Canadian waters, I mean the lake and brook trout (*salmo fontinalis*.)

On Saturday last, whilst with some ladies, we were driving past Ste. Foye, skirting the classic heights where, in April 1760, General Murray met with his memorable defeat at the hands of General Levi, after a most sanguinary engagement which lasted from three to four hours, we were asked to alight and see for ourselves what Nature, assisted by Art, had done here, in providing reservoirs, or rather lakes, for the artificial breeding of trout.

Many and beautiful are the rustic homesteads which successful merchants and professional men have erected for their "household gods," on the western heights of the historical old capital, Quebec. Some, during the "leafy months," with their aromatic groves, fruits, flowers, trees and fountains combined, breathe almost of fairy-land. In none have I seen in the same degree the striking elements of adornment, which at Beauséjour, one mile west of the Ste. Foye Church on the north side of the road, await but the wand of those great enchanters—taste and wealth—to expand into a finished picture of rural beauty. Several years ago this spot was selected as a summer residence by the late Robert Sewell, Esq. of Quebec, Barrister, one of the younger sons of the gifted Chief-Justice Sewell. One hundred acres of corn and hay fields—trending in gently undulating slopes towards the valley of the St. Charles, watered by a lively trout stream, which, after many windings, finds an outlet in the St. Lawrence, at Cap Rouge. The banks of this rivulet are mantled in a dense growth of shrubs, acacias, sumach, alders, and a few forest trees—white birch, interspersed with stately elms. In the vicinity of the highway, the stream expands into three artificial lakes, varying in depth from seven to seventeen feet; in length from three to four acres; one or two acres wide. The declivity from the road front to the portion overlooking the Valley of the St. Charles is such as to afford to the dam of each lake a diminutive cascade of about fifteen feet in height. The lower lake is intended as the nursery for baby trout up to six months old; in the second the juveniles will tarry until they cut their eye teeth, and having attained two years of age, they are to be promoted to the main lake, and from thence to the table. When we called, there were myriads of young fish about an inch long.

Each dam is solidly constructed with heavy timber to stand the pressure of the spring ice and freshets, with trellises to prevent the egress of the finny captives. On Saturday last the water was not yet let into the first or main lake which faces the dwelling, a long rambling cottage with ample verandahs and gables, over which creep the wild-vine and honeysuckle. The middle lake, however, was in all its beauty. Fortune favoured us when we called, as to the time to see the trout jump and as to the season of the year. It was one of those gorgeous Canadian sunsets. The emerald pastures, adjoining corn-fields and blue laurentine mountains in the distance, bathed in soft autumnal sunshine, glittered westwards in a sea of purple and living gold, the lowing of the kine, homeward returning, gave an idea of quiet, pastoral life, rustic felicity. Whilst from a grove of evergreens, shading a rough species of aviary, could be heard the wild note of several dozen passenger pigeons, kept there for daily consumption. On the edge of the placid lake stood a small ornamental pavilion; from it, a flight of steps took us to an elegant green and salmon coloured gondola, safely moored, with the Union Jack streaming overhead in a line with the light canopy, destined to intercept the warm rays of the sun. Add silk fringed curtains, you have a Venetian craft. We took our seat in this fairy vessel, whilst the commander of this new Argo directed his sailors to row towards the centre of "Wandermere;" when, producing a small box with a slide, which had hitherto escaped our attention, he informed us gravely that he had in this box a convincing proof for us that there were trout in the lake. Removing the lid, fully one hundred grasshoppers sprang in the water; we then witnessed such a splash, a dash, and a scramble that the surface seemed alive with speckled beauties, varying from six ounces to a pound and more. Three or four hundred sprang merrily, some greedy ones showing snout, gills, and half of their silvery shoulders; all eager after the prey—intent on their evening meal, which is thus regularly served up each day; the little fishes making for the little bits, the big ones for the larger ones, just like so many M.P.'s when the Supplies are voted. It was curious and instructive in the extreme. Not a grasshopper remained unswallowed. Our host informed us that last fall he had let loose fifty-three dozen of lake trout in this lake—that they were fast increasing in size, and that in a day or two he expected to have the fish slide and let the water in the upper lake, in order to allow them the "right of way" to their spawning ground. Nature has granted to this artificial lake a landscape and surroundings certainly denied to the famed lakes of Fontainebleau and Windsor, handsome though they be. Should ever the proprietor desire to turn to profit this artificial sheet of water, with all its rustic adornments, it must become an inexhaustible source of revenue; more than one wealthy tourist would not begrudge paying a handsome price for each trout he would be allowed to catch in this elfin spot.

Long before the re-discovery by Gehin and Remy, of the lost art of propagating fish—the Romans had their artificial ponds for carp, bream, and other species of the finny tribe. It has been for years attempted with success and profit in England, in France, in the Great Republic, to the south of us—even in Canada. It will yet, let us hope, be our good fortune to see it flourish in Quebec. The enterprising individual whose attempt I have just mentioned is Mr. Louis Bilodeau, of the Customs Department, Quebec.

J. M. LeMoine.

Sillery, 16th Sept., 1872.

Many persons, apparently healthy on retiring, die during the enervating hours from three to five in the morning. The life force being lowest at the time, nature more readily succumbs. Individuals on the shady side of forty, and whose vitality has been impaired, are most susceptible. Fellows' Compound Syrup of Hypophosphites will sustain and tone the nervous system, and its use is a necessary precaution against premature mortality.

PATENT LIST.

The following patents have been issued at the Patent Office, under date September 12th, for a period of five years from the dates thereof:

- No. 1501. A. O'Malley, London, O., 5th June, 1872. A milk-cooler.
No. 1502. J. Boyd, Halifax, N. S., 5th June, 1872. Apparatus for condensing smoke and steam, for steaming and baking food and heating apartments.
No. 1503. P. Brass and T. Irwin, Hamilton, O., 10th June, 1872. Improvement in the art of heating and ventilating buildings.
No. 1504. J. J. Mason, Drummondville, O., 10th June, 1872. Machine for cleaning and sharpening table cutlery.
No. 1505. R. Hawley, jr., Goderich, O., 10th June, 1872. Improvements in apparatus for manufacturing salt.
No. 1506. J. E. Stong, Newton-Brook, O., 10th June, 1872. Improvements in gates.
No. 1507. J. C. Wiswell, Lennoxville, Q., 10th June, 1872. Improvements in railroad rails and chairs.
No. 1508. D. Darvill, London, O., 10th June, 1872. Improvement on brick machines.
No. 1509. J. Lough, Buckingham, Q., 19th June, 1872. Machine for dressing the teeth of circular saws.
No. 1510. J. S. Armstrong, St. John, N. B., 19th June, 1872. Improvement on skates.
No. 1511. L. Richard, Wilmot, O., 19th June, 1872. Improved plow coulter.
No. 1512. O. Chabot, Sherbrooke, Q., 19th June, 1872. Oiler and torch combined.
No. 1513. W. Humberstone, Newton-Brook, O., 19th June, 1872. Improvements in traction engines.
No. 1514. J. O. Todd, Montreal, Q., and E. R. Whitney, Bolton, Q., 19th June, 1872. Manufacture of rope textile fabrics and paper pulp.
No. 1515. F. H. Reynolds, Montreal, Q., 19th June, 1872. A shingle making machine.
No. 1516. J. Rabitaille, St. Célestin, Q., 19th June, 1872. Improvement in washing machines.
No. 1517. O. H. Merriman, Assignee of J. Merriman, Magog, Q., 19th June, 1872. Improvements in horse power machines.
No. 1518. J. W. Clair, Sackville, N. B., 19th June, 1872. Improvements on handles for forks, hoes, &c.
No. 1519. A. McLeod, J. E. Nute and J. H. Nute, New Glasgow, N. S., 19th June, 1872. Improvements in cburns.
No. 1520. T. Cochrane, Petrolia, O., 19th June, 1872. Improvement in stills for petroleum and other oil.
No. 1521. E. Bolton, Halifax, N. S., 19th June, 1872. A combined bed and bureau.
No. 1522. D. R. Shaw, Toronto, O., 19th June, 1872. Improvements in corking machines.
No. 1523. J. Harris, Montreal, Q., 29th June, 1872. Improvements on pumps and engines.
No. 1524. J. Chart, New Hamburg, O., 29th June, 1872. Improvement in flour mills.
No. 1525. H. Carter, Aylmer, O., 29th June, 1872. Improvement in ditching machines.
No. 1526. J. Ede, Woodstock, O., 29th June, 1872. Improvements on threshing machines.
No. 1527. G. Gray, London, O., 29th June, 1872. Improvements in gang ploughs.
No. 1528. J. Forbes, Halifax, N. S., 29th June, 1872. Improvement in wheel tires.
No. 1529. A. Racicot, St. Céaire, Q., 29th June, 1872. Composition of matter for treating certain diseases.
No. 1530. J. Speight, Markham, O., 29th June, 1872. Machine for setting tires.
No. 1531. G. Webster, jun., and J. F. Webster, Hamilton, O., 29th June, 1872. Improvements in sewing machines.
No. 1532. T. Sparham, Brockville, O., 29th June, 1872. Composition of matter for lubricating axles.
No. 1533. J. Milne, Belle-Ewart, O., 29th June, 1872. Improvements in saw-mills.
No. 1534. E. Fisher and W. Clark, Kincardine, O., 29th June, 1872. Machine for chipping a boiler plate.
No. 1535. W. Milner and D. B. Campbell, Strathroy, O., 15th July, 1872. Composition of matter for making sand stone.
No. 1536. R. Mikkiljohn, Rawdon, O., 15th July, 1872. Machine for separating and cleaning grain.
No. 1537. G. O. Freeman, Chatham, O., 15th July, 1872. Machine for setting up tents.
No. 1538. A. Miles, Dundas, O., 15th July, 1872. A portable fire pump.
No. 1539. P. M. Thompson, Kingston, O., 15th July, 1872. Improvement on the coupling of railway cars.
No. 1540. J. H. Osborn, Guelph, O., 15th July, 1872. Improvement on sewing machines.
No. 1541. N. Malo, Varennes, Q., 15th July, 1872. Improvements in pumps.
No. 1542. J. Fisher, Clinton, O., 15th July, 1872. Mode of building fences.
No. 1543. P. B. Cline, Thornton, O., 15th July, 1872. Improvement in sawing machines.
No. 1544. G. H. Comer, Indiana, O., 15th July, 1872. Machine for staffing millstones.
No. 1545. J. Walmstey, Waterloo, O., 15th July, 1872. Improvements on reaping and mowing machines.
No. 1546. H. Laferrière, St. Felix, Q., 15th July, 1872. Improvement in ploughs.
No. 1547. G. Cormack, Beechville, Q., 15th July, 1872. An improved window shutter hinge.
No. 1548. E. Eakins, Streetsville, O., 15th July, 1872. An improved harrow.
No. 1549. J. Dean, Orillia, O., 15th July, 1872. A machine for grooving boards.
No. 1550. A. B. Koerber, Berlin, O., 15th July, 1872. Improvement on musical reed instruments.
No. 1551. J. Crawshaw, Cobourg, O., 15th July, 1872. A loom.
No. 1552. D. M. Lamb, Strathroy, O., 15th July, 1872. A machine for pulverizing earth and digging potatoes.
No. 1553. C. F. Mueller, Hamilton, O., 15th July, 1872. A railway station indicator.
No. 1554. M. Bulmer, Saint John, N. B., 15th July, 1872. A harrow.
No. 1555. H. Mackinnon, Guelph, 15th July, 1872. A heater.
No. 1556. J. Regan, Brantford, O., 15th July, 1872. An improved horse collar.