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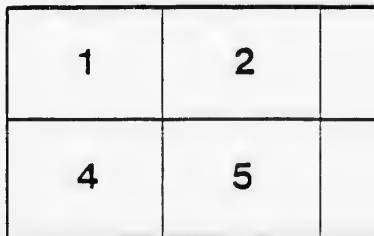
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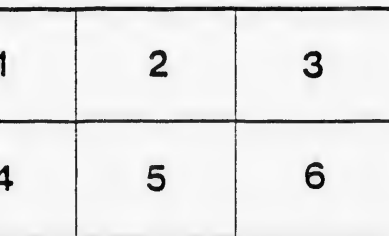
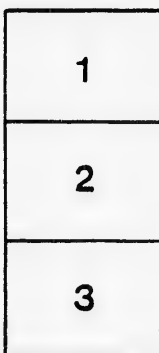
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Grand Industrial Exhibition,  
1851.

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CATALOGUE  
OF  
ECONOMIC MINERALS, &c.,  
OF  
CANADA.

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BY  
W. E. LOGAN.

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LOVELL AND GIBSON, PRINTERS, TORONTO.

hibition,

ALS, &c.,

TORONTO,

11

*Additional Economic  
 Localities of such as are  
 No. 10, Little St. James  
 in preparing the catalogue  
 of the Economic Specimens  
 in 1851.*

W. E. LOGAN.

CATALOGUE  
 OF SOME OF THE  
 ECONOMIC MINERALS  
 AND  
 DEPOSITS OF CANADA,

WITH THEIR LOCALITIES.

Note.—The quantities in the localities indicated are not in every case of sufficient amount to be profitably available, but they are always of sufficient importance to draw attention to the localities, as a possible guide to the discovery of others in the vicinity, where quantities may be greater.

*Metals and their Ores.*

- Iron* ..... *Magnetic* ..... Marmora, range 1, lot 7, (a 100 feet bed); range 2, lot 13; range 9, lot 9; range 9, lot 6.  
 Madoc, range 4, lot 2. (a 25 feet bed); range 5, lot 11; range 6, lot 10; range 7, lot 9.  
 South Sherbrooke, C.W., Myers Lake, range 3, lots 17, 18, 19, (a 60 feet bed).  
 Bedford, range —, lot —.  
 Hull, range 7, lot 11, (a 40 feet bed); range 5, lot 11; range 6, lots 12 and 13.  
 Litchfield, Portage du Fort, a small vein.
- Spicular* ..... Lake Huron, Wallace Mine location, near Whitefish River, (a 15 feet vein).  
 McNab, ranges C and D, lot 6, Dochart River, (a 12 feet vein).
- Iron* ..... Middleton; Charlottville; Walsingham.  
 West Gwillimbury, mouth of the Holland River.  
 Fitzroy, Chats; Eardley, range 8, lot 20; March.  
 Constance Lake; Hull, range 7, lot 14.  
 Templeton, McArthur's mill; Vaudreuil Seignory,  
 Côte St. Charles and Sac au Sable.  
 Stanbridge, range —, lot —; Simpson, range 12, lot 8;  
 St. Maurice Forges.  
 Ireland, range 4, lot 12; Lauzon Seignory, St.  
 Lambert; Vallière Seignory, junction of Rivière  
 du Sud and Bras.
- Various* ..... St. Armand East, lot 45, (a 5 feet bed).  
 Sutton, (in beds of 2 to 8 feet) range 9, lots 4, 5, 6,  
 7, 9; range 10, lots 7, 8; range 11, lots 7, 9.  
 Brome, (in beds of 2 to 15 feet) range 3, lots 1, 2;  
 range 4, lots 5, 6; range 5, lots 4, 5.  
 Bolton, range 14, lot 2.  
 Vaudreuil Benuee Seignory, north corner, (a 45  
 feet bed).  
 Bay St. Paul, St. Urbain, (a 90 feet bed); St. Lazare,  
 (a still larger mass).
- Zinc* ..... *Sulphuret* ..... Lake Superior, Prince's location; Mamainse.
- Galena* ..... Fitzroy, range 8, lot 12; Bedford, range —, lot —.  
 Bastard, range —, lot —.  
 Petite Nation Seignory? Gaspé, Little Gaspé  
 Cove and Indian Cove.

COPPER...Sulphurets, &c., Lake Superior—

Spur Island, Prince's location, a 4 feet vein, (vitreous sulphuret, with silver.)

St. Ignace Island, Harrison's, Ferrier's and Merritt's locations; (native copper, with silver.)

Michipicoten Island, (native copper, with silver.)  
Mica Bay, Mannaise, (yellow, variegated, and vitreous sulphurets.)

Lake Huron—

Root River, a 3 feet vein, (yellow sulphuret.)

Echo Lake, (yellow sulphuret.)

Bruce Mines, a 4 feet vein, (yellow, variegated, and vitreous sulphurets.)

Wallace Mine, Whitelish River, (yellow sulphuret.)

Eastern Townships—

Upton, range 21, lot 51, (argenteiferous yellow sulphuret,) a 1 foot vein.

Ascot, range 7, lot 17, (argenti-auriferous yellow sulphuret,) a 2 feet vein.

Inverness, range 2, lot 4, (variegated sulphuret,) a 2 feet vein.

SILVER...Native, &c., Lake Superior—

Prince's location, a bunch of 4 cwt. of 3½ per cent met with, equal to 72 lbs. of silver per ton of rock.

St. Ignace Island, Harrison's, Ferrier's and Merritt's locations.

Michipicoten Island, north side.

COPPER...Native, in Gravel—

Vaudrenil Deauce Seignory, Rivière Guillaume; Rivière Bras; Ruisseau Lessard; Rivière Touffé des Pins for 3 miles up; Ruisseau du Lac.

Aubert de L'Isle Seignory, Rivière Famine.

Aubert Gallion Seignory, Ruisseau —, Pozer's River for 3 miles up.

Rivière Metgermet opposite Jersey.

Native, in Vein—

Lake Superior, Prince's location, (traces.)

Ascot, range 7, lot 17, (with copper and silver, value \$1 per ton of rock.)

NICKEL...Sulphuret, &c.—

Lake Huron, Wallace Mine.

Augmentation to La Noraye and Dautraye Seignory, (with iron pyrites,) traces.

Brompton, range 11, lot 19, (nickel ochre,) traces.

Chemical Materials, being such as require peculiar chemical treatment to fit them for use.

URANIUM—(For glass staining, and porcelain painting, &c.)—

Madoc, range 4, lot 12, traces in the iron ore bed, in the form of uran ochre.

CHROMIUM—(For glass staining, porcelain and oil painting, &c.)—

Bolton, range 7, lot 26, a 12 inch bed of chromic iron.

Augmentation of Ham, range 2, lot 21, a 14 inch bed of chromic iron.

MANGANESE, BOG—(For bleaching and decolorizing agents)—

Bolton, range 12, lot 22; Stanstead, range 4, lot 24; range 10, lot 9.

Tring, near eastern boundary on road from Lambton to St. François Beauce.

Aubert Gallion Seignory, near Pozer's River; St. Mary's Seignory, 3rd range, Frampton road; St. Anne Seignory.

COBALT—(For glass staining, and porcelain painting, &c.)—

Lake Superior, Prince's location, (traces); Lake Huron, Wallace Mine, (traces.)

Augmentation to La Noraye and Dautraye Seignory, with nickel, (traces.)

IRON PYRITES—(For manufacture of Copperas and Sulphur)—

Clarendon, range 2, lot 7; Terrebonne Seignory, a 4 feet vein; Augmentation to La Noraye and Dautraye Seignory, a 40 feet vein.

Garthby, range —, lot —.

DOLOMITE, with 45 per cent of CARBONATE OF MAGNESIA—(For manufacture of Epsom Salts and the Magnesia of Commerce)—

Barrie; Drummond; St. Armand; Dunham; Sutton; Brome; Ely; Durham; Melbourne; Kingsley; Shipton; Chester; Halifax; Inverness; Leeds; St. Giles Seignory; St. Mary's Seignory; St. Joseph Seignory.

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MAGNESEITE, with 83 percent of CARBON OF MAGNESIA—(For the same purpose)—

Sutton, range 7, lot 12; Bolton, range 9, lot 17.

Stone 3  
nts.

BARYTES—Permanent White—

Lake Superior, in a multitude of veins on the north shore from Pigeon River to Thunder Cape; Bathurst, range 6, lot 4; McNab, mouth of Docha

IRON OCHRE—Yellow Ochre, Spanish Brown—

Waltham, Paint Lake or Pond, near Harold Pierce's Clearing, Black River.

Mansfield, Grand Marais, opposite the most northern point of Unlamec Island.

Durham, range 4, lot 4.

TALCOSE SLATE—Ochre Yellow—Stanstead, range 9, lot 13.

French White—Stanstead, range 9, lot 13; Leeds, range 13, lot 17.

SOAPSTONE—White—

Sutton, range 7, lot 12; Potton, range 5, lot 20, very pure; Bolton, range 1, lot 17; range 2, lot 6; range 4, lot 4; range 11, lot 1; Melbourne, range 2, lot 19; Ireland, range 3, lot 10; Vaudreuil Beauce Seigneurie, range 3 on the Bras, pure; Broughton, range 4, lot 12.

Elzevir, range 1, lot 27; range 2, lot 13, pure.

SERPENTINE—Greenish White—

Eastern Townships, in places too numerous to be particularized. (For the range see Marble.)

FERRUGINOUS CLAY—Light Red—

Nassagaweya, McKinn's Mill; Nottawasaga, Mad River.

Materials applicable to the Arts.

LITHOGRAPHIC STONE—

Marmora, range 4, lot 8; Rama, on St. John's Lake, south of the Junction, and on Lake Couchiching; there are probably many exposures between Rama and Marmora, the distance being 70 miles.

Materials applicable to Jewellery, and Ornamental purposes

AGATES .....Lake Superior—St. Ignace and neighbouring Islands; Michipicoten Island.

JASPER .....Ascot, near Sherbrooke, in a bed; Gaspé, in pebbles.

LABRADORITE .....Drummond, range 3, lot 1; Bathurst, range 9, lot 19

SEPISTONE .....Bathurst, range 6, lot 3.

HYACINTH .....Grenville, range 5, lot 10.

AMETHYST .....Lake Superior, Spar Island, and sundry places along the neighbouring coast.

RINNOXED CHERT, (For Camcos)—Lake Superior—Thunder Bay.

JET .....Montreal.

Materials for Glass making.

WHITE QUARTZ SANDSTONE—

Lake Huron—on the north shore, and the Islands near, in great abundance.

Cayuga, lots 45 and 46, Town line, north of Talbot road; Dunn, Vaudreuil Seigneurie.

Isle Perrot Seigneurie; Beauharnois Seigneurie.

FICHTSTONE, BASALT and ALLIED ROCKS—(For Black Glass)—

Lake Superior—North shore and Islands; Michipicoten Island, and East coast.

Lake Huron—in the trap dykes of the north shore, and neighbouring Islands.

Rigaud mountain; Montreal mountain; Montarville mountain.

Refractory Materials.

SOAPSTONE—Elzevir—range 1, lot 27; range 2, lot 13; Potton, range 5, lot 20; Vaudreuil, Beauce Seigneurie, range 3 on the Bras; Broughton, range 4, lot 12.

ASBESTUS—Potton, range 5, lot 20.

SANDSTONE—Lake Huron, Island of Campment d'Ours, west side; St. Maurice Forges.

PELLUAGO—Grenville, range 5, lot 10, 2 veins.

Manures.

PHOSPHATE OF LIME—

Ottawa, near the division line between Westmeath and Ross, above the head of Moore's Slide; Calumet Slide; Burgess, range 8, lot 4; Holl, range — lot — near Blasdell's mill; Bay St. Paul; Murray Bay.

near Lake, 3 miles below Cayuga; opposite York village; at  
Paris; Magdalen Islands, Gulf of St. Lawrence.

**SHELL MARBLE—**

Near Swainsbury, east point of Cook's Bay; Calumet Island,  
on a small lake 2 miles south-east from Campment des Plaines;  
Calumet Island, 1 mile north-west of Desjardins' clearing, oppo-  
site Moore's slide, and in several small lakes lower down the  
island, Clarendon, range 1, lot 23; Mink Lake, west of Brom-  
ley, McNab, White Lake; Nepawa, on Sparks' land, near By-  
town; Gloucester, Hon. Mr. McKay's land, near Bytown,  
Argenteuil, range 1, lot 3; East Hawkesbury, range 7, lot 11;  
Vaudreuil Seigneurie, rear of Cavagnol Point; St. Benoit, Grand  
Bruit, on Chandler's farm; Grande Cite, between St. Thérèse  
Ferry and St. Eustache, on McAllister's farm; opposite St. Rose,  
on the road to St. Thérèse, on Henrich's farm; St. Armand  
West, lots 144 and 157; Stanstead, range 11, lot 5 or 6; St. Hyacinthe  
Seigneurie, Junction of Gravelly and St. Pie roads; Mon-  
treal, St. Joseph; New Carlisle, in 4 or 5 small lakes, 1 or 2  
miles from the village.

*Grinding and Polishing Materials.*

**MILL STONES—**

The localities of granitic and syenitic boulders strewn about the  
country, and used for mill stones, are too numerous and too nec-  
essary to be stated: these boulders are derived chiefly from the  
crystalline or gneissoid rocks, which range on the north side of the  
Ottawa and St. Lawrence, from Lake Superior to Labrador.  
Independent of them various rocks *in situ* are and may be used  
for the purpose, such as—

*Silicious Conglomerate*—Vaudreuil Seigneurie, Casendes, and Pointe  
du Grand Detroit; Haam, range 11, lot 10; Port Daniel, at  
L'Ancêtre à la Vieille.

*Granular and Corneous Quartz Rock*—This rock accompanies  
the serpentine of the Eastern Townships, (for the range of  
which see Marble,) and occurs in too many places to be  
enumerated; a good sample has been obtained by the Hon. Mr.  
Kilgallon from Bolton, range 6.

*Coal*—Stanstead; Barnston; Burford; Horsford; Ditton;  
Burstons; Strafford; Weedon; Vaudreuil Benuee Seigneurie,  
near the band of serpentine. (The Vaudreuil stone is highly  
esteemed.)

*Islands, Gravelly (crystal) Quartz grains*—St. Thérèse; Belœil,  
Tougenant; Yauaska; Shefford; and Brome Mountains.

**GREEN STONES—**A sandstone designated as the grey band which lies at the  
summit of the red strata of the Medina sandstones, and which  
reaches from Queenston by St. Catherines, and round the  
extremity of Lake Ontario by Hamilton, to Esquesing, and  
thence to N. tinwasaga, has been used in some of the northern  
Townships for grindstones.

Some parts of the Potsdam sandstone have been used for the  
purpose, as in Allumettes, at the Allumettes Falls; and in  
Laurier, at Shirrell's mills.

Some parts of the Gaspé sandstone, in Gaspé Bay, would yield  
good stones, but though these might prove the best of the  
Canadian stones, none of them would equal those of New  
Brunswick and Nova Scotia, or those of Newcastle, in England.

**HEAVY STONES AND BLOUSES**—Maioe, range 5, lot 4; Marmora, range 6, lot  
24; Lake Madawak, rear of Palmerston; Fitzroy, Whetstone  
Island, Lake Chandière; Pottou, range 11, on Magog Lake  
Ferry, instead, from Whetstone Island, in Magog Lake, by range 5  
lot 19 and 20, and range 7, lot 26, to range 9, lot 28; thence  
through Hatley, to range 9, lot 3, on Mississippi Lake; Stan-  
stead, range 9, lot 4; Bolton, range 11, lot 5; Shipton, range 14,  
lot 19, and range 5, lot 16; Marston, on Megantic Lake.

**BOVIAN TUFF**, a silicious infusorial deposit—Augmentation to I.  
Noraya and Dautraye Seigneurie.

*Materials for Paving, Tiling, &c.*

**WORKING STATES—**

Kingsy, range 1, lot 4; Halifax, range 1, lot 14; Franpton, on the  
land of Mr. Quigley.

**LEAD SPONES—**

Toronto, Rivers Credit, Little Mimico, and Etobicoke; Etobicoke,  
River Humber; York, East Branch of River Don; Lake Temis-  
caming, 7 miles below the Galère; Bagot, at Calaboga rapids;  
Horton and Clarendon, at the Chenux; Sutton, range 2, lot  
19; Pottou, range 10, lot 28, at Pottou Ferry; Stanstead, east  
side of Memphremagog Lake, for some miles above the Outlet,  
Inverness, range 2, lot 5; Port Daniel, L'Ancêtre à la Vieille.

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### Building Materials.

#### GRAVEL—*of superior quality, white, and cleavable—*

Stanstead, ranges 4, 5, 6, 7, lots 2, 3, 4, 5, 6; range 9, lot 1, to range 11, lot 19; Harston, range 9, lot 1; ranges 10 and 11, lots 7 to 15; Hartford, range 4, lots 5 to 9; Hereford, ranges 4 and 5, lots 19 and 20; *Common*, 1½ miles from upper end of Megantic Lake; Great Mountain, occupying an area of 12 square miles, about the rounded corners of Marsden, Hampden, and Dutton; Little Megantic Mountain, 6 square miles in Winslow, about 1½ miles south-west from line between Aylmer and Gayhurst; Washouville, 1 mile south-east of Lake Louise; Winslow, 3 miles long, about 5 miles south-east of Lake Aylmer; Stratford, 1 mile, and 3 miles up Pelton River; also 6 miles from foot of Lake St. Francis; Landon, 6 miles from foot of Lake St. Francis.

#### PRELIMINARY, *with quartz grains, white, cleavable—*

St. Thérèse, Beboil, Rougemont, Yamaska, Shefford, and Home Mountains.

#### SANDSTONE, *yellowish white—*

Ningarn, at Queenston; Barton, at Hamilton; Flamborough West; Nelson; Nassagaweya; Esquesing, range 5, lot 17; range 6, lot 1; Mono; Nottawasaga; Cayuga, range 1, lots 45 and 46; Grand Seignory, Rivière à la Graisse; Vandreuil Seignory, Point Cayagnol; Isle Perrot; St. Eustache; Terrebonne Seignory; Beauharnois Seignory; St. Maurice Forges; Alouettes; Fitzroy.

#### CALCAREOUS SANDSTONE—

Rabelin Canal; Bytown; various parts of Ottawa, north side from Bytown, to Popineau Island; various places from Grenville to Point Fortune, Heokville; Murray Bay, at Les Escourlins, and White Caps, and the lots of J. B. du Berger and T. Chappron; Lauzon Seignory, at St. Nicholas; Cap Rouge, near Québec.

#### LIMESTONE—

Malden; Manitoulin Islands, along the south side; St. Joseph Island; Coast of Lake Huron, from Cape Huron to Rivière au Sable (north); various parts from Cahot's Head to Sydenham, in Owen Sound; and from Sydenham, by Euphrasia to Nottawasaga; thence by Mono to Esquesing, and by Nelson to Ancaster; Thorold; Matchedash Bay; Orillia; Rama; Mars and various parts to Maraora; Mulock; Belleville; Kingston; McNab; Bytown; and various parts to Hawkesbury; Cornwall; Isle Bizard; Beauharnois Island; Coughuawaga; Montreal; Isle Jesus; Terrebonne; Phillipsburgh; St. Dominique; Grondines; Deschambault; Beauport; Bay St. Paul; and Murray Bay; Upton; Acton; Wickham; Stanstead; Hatley; Dudswell; Temiscouata Lake; Gaspé; Port Daniel; Richmond; Anticosti Island.

#### LIME—*Common—*In the various localities above enumerated for limestone.

*Magnesian—*In the localities indicated for dolomite.

*Hydraulic—*Point Douglas, Lake Huron; Grand River, half a mile below Cayuga; and 2½ miles below same place; Thorold; Kingston; Nepent, near Bytown; Argenteuil?

#### *Materials for Bricks, Tiles and Pottery.*

**CLAY—For Red Bricks—**This is so widely spread in the valleys of the St. Lawrence, Ottawa, Richelieu, &c., that the localities are too numerous to be mentioned.

*For White Bricks—*York, range 2 from the Bay, lots 19 and 20; Peterborough.

*For Tiles and common Pottery—*All the same localities.

#### *Materials for Ornamental Architecture.*

**MARBLE—White—**Dudswell; exit of Lake Maziaaw, rear of Palmerston (a dolomite.)

*Black—*Cornwall; Phillipsburgh.

*Brown—*Pakenham, at Dickson's mill.

*Grey and Mottled—*McNab; Phillipsburgh; St. Dominique; Montreal.

*Variogated, white and green—*Grenville.

*Vert Antique—*Stukely.

*Serpentine—*In many parts suitable for ornamental purposes, in a range of 135 miles, running through Potton, Bolton, Stukely, Orford, Droapton, Melbourne, Shipton, Tingwick, Wotton, Ham and its Augmentation, Wolfestown, Garthly, Ireland, Coleraine, Alstock, Tring, Vandreuil Beauce to Craobourne; and in another range of 10 miles, running through Leeds.

#### *Combustible Materials.*

**PEAT—**Wainfleet; Humberstone; Westmeath; Berkwith; Goulburn; Nepean; Gloucester; Cumberland; Clarence; Plantagenet; Alfred; Caledonia; L'Original; Osabrick; Finch; Winchester; Roxburgh; Longueuil Seignory; St. Hyacinthe Seignory, at St. Dominique; Ste. Marie de Monnoir Seignory; Rivière du Loup Seignory; Rivière Ouelle Seignory; Matan and McNider, between Rivière Branché and Rivière Matan.

**PETROLEUM, NAPHTHA, &c.—**River Thames, Westera District; River St. John, Gaspé.

**ASPHALT—**Eaniskillen, range 6 or 7, lot 19.

#### *Sundry other Materials.*

**MOULDING SAND—**Montreal; L'Acadie; Stanstead.

**FULLER'S EARTH—**Nassagaweya, at McLean's mill, Sixteen-mile Creek.



