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MONTREAL



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B. J. Harrington Ph. D.  
Geological Survey  
Montreal

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Recd Aug 4/75

GEOLOGICAL SURVEY OF CANADA

(Museum and Office, 76 St. Gabriel Street) MONTREAL.

Almonte 3<sup>d</sup> Aug 1875

My dear Harrington -

With this please find a few pages of matter, which I should like to come in at page 61 of Report after the words "Should the arrangement of the strata" &c &c. I wish you would read it over carefully & get my idea - Mr Delroyne said I had better enlarge somewhat upon this important point. You will see that I do not commit myself but only suspect. My appendix will further illustrate & support what I have here stated.

I sent down yesterday three boxes of specimens - Two contain blocks of serpentine limestone from different

localities, & the other a block of white  
crystalline limestone with scales of  
graphite - which has been quarried in  
several places in Ramsay -

The specimen abounding in serpentine  
is from the 3<sup>d</sup> lot of the V Con of Pakenham  
& the other from the 24<sup>th</sup> lot of the IX Con  
of Ramsay - They are stratigraphically dis-  
tinct & are overlaid by the limestone  
with graphite.

Enclosed also you will find my  
large rough section across Bedford  
which will explain the one which I  
have already handed you -

As I mentioned before I shall be here  
for some time & shall at once reply to  
any letters you may favor me with -

Ever yours sincerely

B. J. Haeniglin Ph.D.  
Geological Office  
Mineral

I Henry G. Vennor



# Catalogue of Minerals for the Centennial Exhibition at Philadelphia, U.S. 1876

Collected by Hugh Parry, Surveyor & Mining Engineer

No of Box	No of Pse	Description	Remarks
22	1	Ugavick Iron ore - 55.90 Ustavick Iron	From lot 30 1 <sup>st</sup> low Bedford - This bed is situated within 1/4 mile of the Ample Pembroke Ry - has been well and thoroughly opened, and has several hundred tons of ore on the surface is distant about 40 miles from Kingston one of the best shipping ports on Lake Ontario is owned by J.P. Donnelly & Co. - Woodstock
22	2	do do do 55.94 Ustavick Iron	From lot 3 3 <sup>rd</sup> low Bedford and known as the "Purdy Mine" - has been extensively opened, and several hundred tons excavated - is situated about 4 miles from Kingston Pembroke Ry - owned by J.P. Donnelly & Co. Woodstock
8	3	do do do 46.39 Ustavick Iron	From lot 3 13 <sup>th</sup> low Portland - known as the "Albertine Mine" This has been considerably excavated and a large quantity of ore exposed - is situated about 3 1/2 miles from Kingston Pembroke Ry - and is owned by J.P. Donnelly & Co. Woodstock
1	4	do do do 51.04 Ustavick Iron	From lot 3 12 <sup>th</sup> low Portland known as the "Stone Mine" development upon this mine trifling - situated about 3 1/2 miles from Kingston Pembroke Ry - owners name not known
11	5	do do do 63.31 Ustavick Iron	From lot 4 13 <sup>th</sup> low Portland known as the "Babeock Mine" considerable development made and a large quantity of ore

Machon mine  
w 1/2 of 6 in 2nd  
Bedford



- Excavated situated about 2 miles from  
 Hampton Pembroke Ky - owners J. P. Donnelly &  
 Woodrow C. Lambton
- 18 6 Magnetic Iron ore  
 41.06 U.S. Geol. Surv.  
 no 14 of Catalogue  
 Home Mine
- From lot 4, How Bedford known as the  
 "Gardner" this mine is being extensively  
 worked, is situated about 2 1/2 miles from  
 Hampton Pembroke Ky - last fall about 5000 tons  
 of ore was shipped from Hampton to Elmira  
 State of New York and, if is the intention  
 of Mr. Gardiner the enterprising manager  
 to ship 40 or 50,000 tons this year to the  
 same destination - owned by "Gardner  
 Iron Mining Company"
- 7 7 Hematite Iron ore  
 41.99 U.S. Geol. Surv.
- From lot 2, How Richwood known  
 as the "Holley lot" - The extent of this deposit  
 is not known - is only seen to outcrop at one  
 point - no work has been done - situated  
 2 1/2 miles from Hampton Pembroke Ky
- 19 8 Magnetic Iron ore  
 54.62 U.S. Geol. Surv.
- From lot 5, How Bedford known as  
 "Holley Mine" and, is a continuation of the  
 "Gardner" considerable excavations has been  
 made and ore raised, but none shipped  
 distant 2 1/2 miles from Hampton Pembroke Ky  
 owners J. P. Donnelly & Woodrow
- 55 9 Grey Marble
- From lot 4 1/4 How W. C. Habb  
 Exhibited by Jas. Bell, Esq. Superior
- 34 10 Magnetic Iron ore  
 42.34 U.S. Geol. Surv.
- From lot 20 8th North Crosby known as  
 "Assistance Mine" about 4 miles from the  
 Paducah Canal and, the village of Westport  
 is a very extensive deposit large excavations



has been made and several hundreds  
tons of ore are now on the surface but none  
has yet been shipped - owners of Donnelly &  
Woodrow Co. Lambertown

29 11 Magnetic Iron Ore  
56.63 U.S. Tons Iron

Iron lot 26 6th Low North Crosby and  
known as "Yankee" + "Chaffey" mines  
These mines have been worked for several  
years and have shipped from 3000  
to 8000 tons of ore annually to United States  
- The mines are situated on the Andrew Land  
in the immediate vicinity of Victor's  
Chaffey Mine owners

1 12 do do do  
60.85 U.S. Tons Iron

Iron lot 6 3rd Low Bedford, known as  
"Pendower No. 2" This mine is not being  
worked - is situated on "Old Lake" about  
4 miles from Kingston Pembroke Bay

6 13 do do do  
44.50 U.S. Tons Iron

Iron lot 18 1st Low Warrorn and  
known as the "Walden Mine"

20 14 do do do  
48.78 U.S. Tons Iron  
good run

Iron lot 13 3rd Low Warrorn known  
as "Cain Mine" - owners of W. W. Mackay  
and others of Kingston

7 15 do do do  
58.30 U.S. Tons Iron

Iron lot 14 1st Low Warrorn known as  
the "Haulan Mine"

31 16 do do do  
65.84 U.S. Tons Iron

See Catalogue

Iron lot 7 1st Low Belmont known as  
"Blairton Mine" has been largely worked  
the ore shipped to the United States via  
Cobourg has reached as high as  
30,000 tons per annum



14	Blank		
3 18	Magnetic Iron ore 61.58 metallic iron	J. S. J.	From lot 10 8th low Balmuccia - this ore occurs in numerous veins outcropping on the surface but has not as yet been fully developed - Exhibited by W. Morris of Perth
33 19	do do do 64.73 metallic iron McVeigh		From lot 13 8th low Balmuccia same remarks as applies to Specimen 18 Exhibited by W. Morris of Perth
28 20	do do do 36.10 metallic iron Silver Lake see catalogue		From lot 15 5th low South Sherbrooke occurs in form of a bed, about 20 feet wide. Illustrated by W. Morris of Perth
21			
36 41	22 Magnetic Iron ore 60.18 metallic iron Prof. Chapman Univ. Coll. Toronto See catalogue		From lot 20 4th low Snowdon. Known as the "Snowdon Mine" - is situated on the line of the Victoria Railway about 80 miles from the town of Port Hope on Lake Ontario - occurs in the shape of a high ridge and has been traced along a distance of 1800 feet with a thickness (as calculated by Prof. Chapman University College Toronto) of upwards of 50 or 60 feet - yielding by analysis 60.18 per cent metallic iron - There have been a number of openings made along the line of the bed, at one place to a depth of 14 feet and several hundred tons of ore extracted - The samples exhibited were taken from the mine at the depth of 14 feet. This mine is owned by Messrs. Thomas & Company Major Toronto



3 23 Magnetite how ore

52.10 metallic how

See  
Catalogue

From location 107, Thunder Bay - Lake Superior - This mine is of immense extent in the form of a bluff having a face of 1400 to 2000 feet - thickness unknown is situated within 1 1/2 miles of Thunder Bay and 15 miles East of Prince Arthur Landing - The ore yielding by analysis (made by Prof. Brush of Yale College U.S.) 59 per cent metallic iron - Owners Shortis & Langley of Toronto - proprietors

3 24 do do do

62.76 metallic how  
not important

From lot 18 8th low Tudor - known as the "Baker mine" Waa & Wadoc owners

9 25 do do do

51.77 metallic how

From lot 18 1st low Wadoc known as the "Duffin mine" Waa & Wadoc - owners

34 26 do do do

58.69 metallic how

From lot 18 11th low Warrora known as "Brown mine" Waa & Wadoc - owners

33 24 specular how ore

no importance  
64.99 metallic how

From lot 18 10th low Warrora known as "Bentley mine" Waa & Wadoc - owners

9 28 hematite how ore

68.49 metallic how

From lot 1 2nd low Dalhousie - occurs in a vein 4 feet in width and is a continuation of a vein worked to some extent by Mr Brown of Brockville specimens furnished by W & Warrora by Perth

35 29 Magnetite how ore

61.62 metallic how

From the "Cook mine" Wadoc

25 30 do do do?

52.43 metallic how

From the "Thomson mine" Wadoc

35 31 do do do

See Catalogue  
51.82 metallic how

From the "Wilson mine" Wadoc



34 32 Magnetic Iron Ore  
53.99 upstallie Iron

From the "Horsow Mine" Madoc  
These last four mines are all the property  
of Messrs. Pender & Lloyd - and are situated  
on the line of the North Hastings Railway  
now being constructed - The mines are  
distant about 40 miles from Belbrills  
a shipping port on Lake Ontario

32 33 Hematite Iron Ore  
42.76 upstallie Iron  
See Catalogue

From lot 14 5th Cow Madoc - known as  
the "Wallbridge Mine" the property of  
Hon Lewis Wallbridge

54 34 White Marble

From High Falls Madawaska on  
lot 13 3rd Cow Blythe fields furnished by  
Geo Bell Esq. Annapolis

54 35 Sapphirine

From lot 2 8th Cow Annapolis - in a bed  
about 25 feet thick - furnished by  
W & Morris Esq. Perth

54 36 Whetstones

Exhibited by Geo Bell Esq. Annapolis

38 34 Magnetic Iron Ore  
See Catalogue

From lots 21-22 2nd Range Township of  
Perth Exhibited by Geo Bell Esq.  
Annapolis

39 38 do do do

40 39 Hematite Iron Ore

From lot 4 Cow B Township McEath  
Exhibited by Geo Bell Esq. Annapolis

51 40 do do do

From Cowansville Township Dalhousie

33 41 do do do  
54.62 upstallie Iron  
62.16 upstallie Iron

From lot 19 4th Cow Sudor no impurity

14 42 Phosphate of Lime

From lot 28 1st Cow Strachanbrook the  
property of J.P. Donnelly Esq. Moorstown



14	43	Phosphate of Lime			From lot 3 12 <sup>th</sup> low Bedford the property of J.P. Donnelly & Co. Woorstons
21	44	Phosphate of Lime			From lot 2 12 <sup>th</sup> low Bedford, owned by Edward Halls of Perth - from this mine 450 tons have already been taken and shipped to England
13	45	do	do		From lot 2 8 <sup>th</sup> low North Bumpas furnished by W.D. Morris Perth - from a vein 4 feet wide
25	46	do	do		From lot 9 5 <sup>th</sup> low North Bumpas Exhibited by W.D. Morris by Perth
12	47	do	do		From lot 4 4 <sup>th</sup> low North Bumpas Exhibited by W.D. Morris by Perth
53	48	Carisford Marble			From lot 13 13 <sup>th</sup> low McUatt Exhibited by Jas Bell by Amprior
4	49	Plumbago			From lot 21 & 22 6 <sup>th</sup> low North Elmley the bed averages 30 feet in width and 70 feet in thickness it has been worked extensively by an American Company who have put up works for refining the same on the Riddau Canal - distant from the mine about 1 1/2 miles - Cost of delivery of the ore at the works 80 cents per ton
14	50	Manufactured Plumbago			From the above mine
14	51	do	do	do	do
14	52	do	do	do	do



14 53 Manufactured Plumbago From the mine on lots 21 & 22 6<sup>th</sup> Con North Elmsley

19 54 Galena From Township of Simonsville known as the "Co. mine" the property of W. G. & C. W. Adams

5 55 do do From Township of Galway exhibited by H. C. Rogers of Detroit

24 56 do do From lot 16 9<sup>th</sup> Con Southboro's the property of and exhibited by the "Continental Lead Mining Company"

11 57 Chrysoliferous Galena From a W. G. Adams mine Black Bay Lake Superior - is situated on the NW corner of Township of Dorion Thunder Bay District - Lake Superior - The vein is about 4 feet wide carrying ore the whole width in a gangue of quartz. The vein is traced without interruption for about 4 miles - situated six miles from navigation with a good grade for a tramway - exhibited by W. G. Adams Esq. R. L. S.

55 58 Fine Gravelstone Exhibited by Geo. Bell Esq. Superior

23 59 Yellow Sulphuret of Copper From lot 1 9<sup>th</sup> Con Palmerston - exhibited by W. J. Morris Esq. Perth

23 60 do do do do Exhibited by J. M. Esq. by Brockville

8 61 Magnetite Iron Pyrites From lot 20 2<sup>nd</sup> Con Dalhousie - from a vein 40 feet in width and is remarkable from the formation of natural coppras



upon the surface of the vein by the  
action of the atmosphere - Exhibited by  
W. D. Morris Esq. Perth

5 62 Sulphate Barite  
Impure

From the Galway Lead Co's mine  
Township of Galway - Exhibited by  
H. C. Rogers Esq. Perth

16 63 Gold bearing  
Arsenic sulphide

From the Gaiting Gold Mining Co  
Warrnora, Exhibited by A. H. Campbell  
Esq. President of the Company

16 64 do do

From the Strath Gold Mining Company  
mine lot 6 8th Row Warrnora  
Exhibited by J. Blacklock Esq. Strath

54 65 Pig Iron

56 66 Gold bearing  
Arsenic sulphide

From lot 6 8th Row Warrnora  
Exhibited by Strath Gold Mining Coy

18 67 Specimen supposed  
to be fine grained  
Emerald

From lot 29 4th Row Dalhousie found  
a vein 6 feet wide in which the  
minerals lie in masses - Exhibited by  
W. D. Morris Esq. Perth

15 68 Shell Marble

From a very extensive bed lot 33  
1st Row Strathgordale Exhibited by  
H. V. Strickland Esq. Perth

65 69 Ireland, Calcareous Spar

Exhibited by "Galway Lead Mining  
Company" of Perth

58 70 Lithographic Stone

Exhibited by Lithographic Stone Co  
of Warrnora,



12	41	Phosphate of Lime	From lot 13 9th Con Loughboro	Exhibited by D. S. Wagoner Esq. Kingston
46	42	Manufactured Super phosphate of Lime	From "Covans Chemical Works" Brockville	
	43	Blank		
24	44	Ulapitic Iron Ore 26.50 upstallie Iron	From lot 24 11th Con Seymour	Known as the "Allan Mine"
1	45	do do do 50.00 upstallie Iron	From lot 6th 4th Con Bedford	Exhibited by "Glendower Iron Mining Co"
44	46	Phosphate of Lime	Exhibited by Covans Chemical Works Brockville	
43	47	Crystalline Iron Pyrites	do do do	
49	48	Canadian Salt	used at do do	
43	49	Brown Iron Pyrites	do do	
45	80	Salt Cake	do do	
43	81	Iron Pyrites	do do	
50	82	White Cake	do do	
52	83	Sulphate of Soda	do do	
48	84	Ground Mineral Phosphate	do do	
2	85	Sulphate of Barite	Exhibited by Graves & Brown Esq. Perth	
10	86	Ulapitic Iron Ore - 60.09 upstallie Iron	do do do	
26	87	Shell Marls	Exhibited by Geo Bell Esq. Annapolis	
42	88			



Ontario Adv.,  
Board, Catalogue

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