NICKEL MINES AT SUDBURY.

Dr. J. B. Hammond's Paper, Read Before the Canadian Institute.

A largely attended meeting of the mining section of the Canadian Institute was held last evening, the president, A. Harvey, in the chair.

A very able and interesting paper written by Dr. J. B. Hammond of Sudbury on "The Nickel Deposits of Algoma," was read by J. M. Clark, M.A., LL.B. Dr. Hammond in his paper said that it would be safe to say that since the discovery of massive deposits of phosphates in Ontario and a few years later in Quebec no discovery in the mineral field had attracted more general attention or assumed greater importance in the city than that of the newly-found deposits of nickel ore in the districts of Algoma and Nipissing.

The paper then gave an accurate scientific account and description of the geological conditions of the metal deposits of the district. It was pointed out that the experience already gained in mining in the Sudbury district justifies the opinion that these ore bodies increase as we descend. The ore increases (in most cases very markedly) in richness as greater depth is reached.

The nickel ore runs from 1 per cent. to 6, 8 and 10 per cent. The average for the district is in the neighborhood of 3 per cent in nickel and about the same in copper. In most cases there is a well-defined foot wall which takes on the semi-nature of a vein. In no case has the deposit been exhausted.

Dr. Hammond showed the error of the popular notion that in Ontarion there was an unlimited extent of nickel-bearing rocks. He gave an account of the development work already accomplished and pointed out the progress already made. He remarked that all the principal development had been done by capital from outside of Ontario and deplored the fact that the rich treasures of the province were rapidly passing into the hands of foreigners. The relative advantages of development by foreign and home capital were discussed.

An animated discussion followed the reading of the paper. In answer to a question asked by Mr. J. Ridout, Mr. Mickle said that 2 per cent. of ore would pay well for the cost of reducing. He also gave an instructive account of the methods used in refining the metal.

Mr. E. W. Dowling, clerk at the Windsor Hotel, Montreal, is the name of the gentleman whose picture is given above, and which is doubtless familiar to almost every Canadian who travels and stops at Canada's leading hotel. Mr. Dowing has been receiving congratulations on all sides recently on account of his being the fortunate winner of THE CANADIAN QUEEN'S prize piano in their competition which closed Feb. 10th, he being the first to send the correct answer in that contest. Mr. Dowling says there is nothing like the Mason & Risch piano, which is the make presented him and that THE CANADIAN QUEEN is truly royal in her ways and should reign forever. THE QUEEN'S new Prize Problem appears in all the leading daily newspapers to-day.

A First-Class Dairy System.

To those who champion the cause of public health a visit to Mr. Bryce's hygienic dairy in Yonge-street, in the town of North Toronto, will be a source of satisfaction. Mr. Bryce, having taken over the lease of the old Sparrow farm from G. C. Moore, proceeded to make extensive alterations and improvements thereon. Some idea of the radical alterations effected may be learned from the fact that the main stable has a length of 200 feet by 80 feet in width. The interior of this large building is thoroughly whitewashed and, with its 12 ventilators, presents a bright and cheerful aspect. Everything is in spick-span order; no noxious smells to assail the nostrils, but the fragrant breath of the inmates appears to scent the air. The floor of the main stable is divided into two rows, in which order the animals are fastened, with heads facing each other, and kept in position by means of stanchions. The droppings of the animals fall into depressed troughs covered with what is known as the Stewart grating and by this means are quickly carted from the building. Food is supplied by means of a truck running on rails between the two rows of animals, that machine being constantly replenished by means of chutes reaching from the lofts above. This food consists of clover, hay, wheat, bran, peameal and oil cake. Distillery refuse is utterly discarded, as though a great milk producer it greatly lacks in quality, and for this reason Mr. Bryce does not make use of it.

The cattle number 150 in the two rows and there are also 11 horses kept in a stable separated from the main building. From this fact one may perceive that a day's "feed" is one of the most interesting items in the bill of cost, the animals consuming two tons of food per day. The stables are disinfected every day and kept in a dry condition by means of powdered plaster of paris. In fact everywhere the visitor turns he cannot help being impressed by the vigilant and careful attention paid to health and cleanliness. Another department in which Mr. Bryce appears to be a pioneer throughout the city is known as the bottling and wash house. This building is 30 feet by 50 and adjoins the main stable. It is kept carefully ventilated, a fresh current of air continually passing through it, and it is to this department that the milk is brought in order to be bottled. In the first place the milk passes through what is known as "the aerator" and is strained no less than seven times; secondly, it is passed through "coolers" specially constructed for Mr. Bryce, and having undergone this ordeal is ready for bottling.

It is by contrivances such as these and the determination to maintain cleanliness as a primary rule that this enterprising dairy has prospered, the daily "turn-out" of bottled milk being little less than 1000 bottles. Of course, there are expenses incidental to this establisment which other dairies do not incur on account of their want of system and hygienic discipline, but people are beginning to understand that cheapness is not the only requisite to insure custom, but that hygiene, with its recent giant strides, demands also the health and good treatment of cattle.

The Kilties.

The 48th Highlanders assembled in strong force last night, Col. Davidson in command, assisted by the popular adjutant and Capt. MacDougall, I.S.C. At intermission, Q.O.R. Bugle Band gave an exhibition of bugling and fancy drumming under command of Bugle-Major Swift. Pipe Major Ireland and his pipe band gave several fine selections on the pipes. It was currently reported that the next Gazette will announce the names of two popular officers for the 48th.

Member of The Legislature,

In addition to the testimony of the Governor of the State of Maryland, U.S.A., a member of the Maryland Legislature, Hon. Wm. C. Harden, testifies as follows: "740 Dolphin St., Balto., Md., U.S.A., Jan. 18, '90. Gentlemen: I met with a severe accident by falling down the back stairs of my residence in the darkness, and was bruised badly in my hip and side and suffered [illegible]ly. One and a half bottles of St. [illegible] Oil completely cured me. WM. C. [illegible]DEN." Member of State Legislature.

Mr. Murphy Around Again.

Mr. N. Murphy, Q.C., ventured out yesterday morning for the first time since the recent cowardly attack on him at Penetanguishene. His face and head still bear the marks of the blows inflicted upon him by his villainous assailants. Both eyes are yet terribly discolored, and strips of sticking plaster covered the scalp wounds that he received. He had an exceedingly narrow escape, he considers, from being murdered.

Dr. T. A. Slocum's

Oxygenized Emulsion of Pure Cod Liver Oil. If you have any Throat Trouble—Use it. For sale by all druggists. 35 cents per bottle. 136

One trial of Mother Graves' Worm Exterminator will convince you that it has no equal as a worm medicine. Buy a bottle and see if it does not please you.

Friday, March 4 SOUVENIR DAY

MOORE'S MUSEE-THEATRE

Friday, March 4 SOUVENIR DAY

WEEK OF FEBRUARY 29.

The Far-Famed and Renowned

LION KING

COL. EDGAR DANIEL BOONE

AND THE

LION : QUEEN

MISS CARLOTTA

Five Forest-Bred

LIONS

IN A FORTY FOOT

Steel Cage

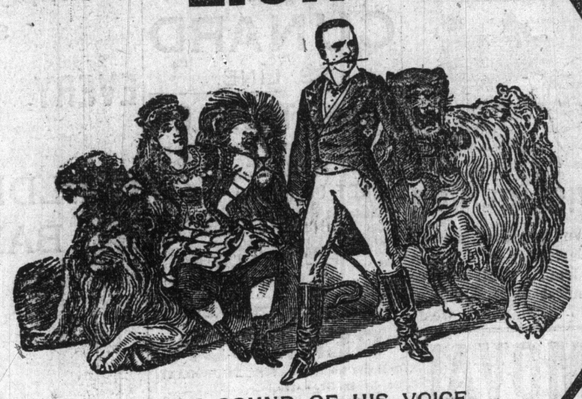
An exhibition of man's supremacy over the brute creation.

In connection with his Lions Col. Boone will introduce his famous boar hound

: : SAXON

COL. BOONE

English LION Tamer



AT THE SOUND OF HIS VOICE

THE KING OF BEASTS

TREMBLES.

PACKANITOMICALIZATION

BY SIR WALTER WENTWORTH.

Miss Ella Grantley

THE

$10,000

Albino Beauty.

FRIDAY, MARCH 4th. Souvenir Day—Every Lady visiting the Musee will be presented with the first article towards a Lady's complete Workbox.

THEATRE:

CRIMMINS & GORE'S MAJESTICS

DAN CRIMMINS. ROSA GORE

COLLINS & WELCH.

OLIVE LEWIS.

WILLS & BARRON.

SEE ALL FOR 10 CTS

M'KEOWN

& COMPANY.

We have just completed stock-taking and will now offer

Big Reductions

IN ALL

REMNANTS

OF

Dress Goods, Dress Lengths, Sheetings, Table Linens, Flannels and Ginghams.

Fingering Wools 3c per skein.
Mending 3c per dozen cards.
Buttons 5c per two dozen cards.
Needles 1c per paper.
Best Brass Pins two for 5c.
Jet Mantle Frogs 2c each, worth 20c.

CHIFFONS, CHIFFONS.

Selling at cost from 10c upwards.

Great reductions in Fans, ask to see them.
Heavy Sox 5c per pair, worth 20c.
Heavy Undershirts 25c, worth 40c.

SEE OUR 50C LADIES' KID GLOVES.

Prices reduced in all departments to make room for our Spring Goods.

M'KEOWN & CO

182 and 184 Yonge-street.

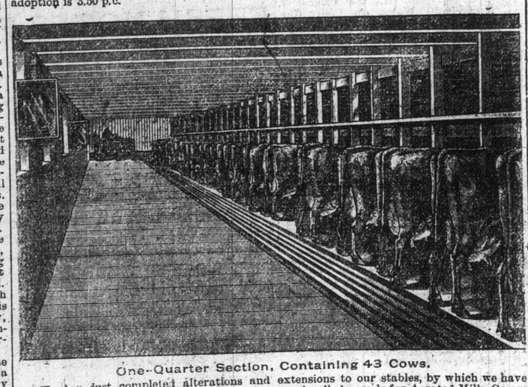
The following is a copy of the report made to me on Nov. 27, 1891, regarding the health of the cows by the Veterinary Surgeon employed by the City Health Department:

At the request of Mr. Bryce I examined his entire stock of milch cows and found them in good healthy condition; also without any signs of contagious diseases. The stables were also in good clean condition with good ventilation, which is one of the most important points in reference to the health of stock. I also examined the stock in June and found them in the same good state of Health. H. H. DAVIDSON, V.S., V.D.

It will be of interest to our patrons and to others who may wish to know what good milk is, to give the last analysis made by the City Health Department, dated Nov. 19, 1891:

Specific Gravity	1.0333
Total Solids	13.10 p.c.
Fat	4.23 p.c.

The highest minimum standard for fat advised by the Dominion Acalyst for general adoption is 3.50 p.c.



One-Quarter Section, Containing 43 Cows.

Having just completed alterations and extensions to our stables, by which we have room for 150 cows, we are now prepared to supply all demands for Aerated Milk, Cream and Butter. ALEX. BRYCE, Hygienic Dairy, Eglinton, Depot—278 College-street.

P.S.—We regret exceedingly that for the last two months we have not been able to supply the demands of the many who have desired a pure unadulterated milk.

SPRING 1892.

W. A. Murray & Co.

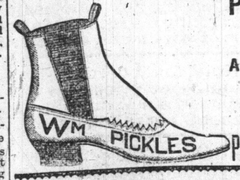
Will on Tuesday, the 1st March, commence opening their first shipment of 200 cases. Early Spring Novelties, all selected by their European buyers from the best manufacturers of the world.

Inspection invited by

W. A. MURRAY & CO

DIRECT IMPORTERS,

17, 19, 21, 25 & 27 King-st. E. and 12 & 14 Colborne-st.



PICKLES' NEW SURPRISE

FOR TO-DAY.

A Lady's Fine Kid Button Boot at $1.25, at $1.25, at $1.25, Marvelous Value.

Patent Toecap.

PICKLES' SHOE PARLOR, 328 YONGE ST.

DYEING AND CLEANING

Goods for Mourning Wear Dyed Jet Black and finished within 48 hours, Gents' Suits, Overcoats, etc., dyed or cleaned. Ladies' Dresses, Ulsters, etc., dyed or cleaned. Ostrich Feathers dyed, cleaned and curled. Kid Gloves and Kid Slippers cleaned, etc. Strictly First-class House.

STOCKWELL, HENDERSON & CO., 103 King-st. W., Toronto.

Goods Sent For and Delivered. Goods received and returned per Express. Telephone 1258. 126

HAVE YOU TIME TO SHOP DURING THE DAY?

IF NOT, COME TO-NIGHT

We will be Open Until 10 O'Clock

THE MORISON STOCK

Of DRY GOODS must be sold, and we are determined to clear it

Regardless of Consequences.

This sale is for everyone and it's the greatest ever heard of. The thousands who have bought will vouch for the bargains. We speak of a few lines; note them carefully and bear in mind THAT EVERYTHING in this immense immense stock is being sacrificed in many cases at

LESS THAN ONE-HALF THE VALUE

Bleached Twilled Sheetings 22½c, worth 30c.
Unbleached Sheetings 15c, worth 25c.
Unbleached Table Linens 25c, worth 35c.
Bleached Table Linens 35c, worth 50c.
Pure Linen Roller Crash 5c, worth 10c.
Pure Linen Glass Toweling 5c, worth 8c.
Pure Linen Glass Towels 40c Per Dozen.
Pure Linen Hand Towels 70c, worth $1.
Pure Linen Bedroom Towels $1.20, worth $1.75.
Fringed Counterpanes 88c, worth $1.25.
Marseilles Counterpanes $1.50, Worth $2.
Heavy Cotton Skirtings 10c, worth 20c.
White Cottons less than mill prices.
Factory Cottons at ridiculous prices.
White Embroideries 3c, worth 6c!
A wider line at 7c, worth 12½c; and a very wide line at 12½c, worth 25c.

Ladies' Corsets, Muslin Underwear, Gloves and Hosiery, all at the rate of 60 CENTS ON THE DOLLAR.

DRESS GOODS--A magnificent stock of Black and Colored and all selling at ABOUT HALF-PRICE.

500 Ladies', Misses' and Children's Spring Mantles and Waterproofs, all marked at EXACTLY HALF-PRICE.

Dress Trimmings, Braids, Gimps, Dress Ornaments, Laces, Ribbons, Buttons and everything in that class selling AT ABOUT 75 CENTS ON THE DOLLAR.

THE ESTATE OF

H. S. MORISON & CO

JOHN O'CONNOR, MANAGER.

216 AND 218 YONGE-ST

COR. OF ALBERT-STREET.

SAMSON, KENNEDY & CO

Wholesale Dry Goods Importers and Dealers in Domestic Manufactures.--Specialties:

Haberdashery,

Notions and Fancy Goods,

Men's Furnishings.

44, 46 and 48 Scott-st., 15, 17 and 19 Colborne-st., Toronto.

25 Old 'Change, London, England.

THE WELL-KNOWN CHIROPODIST Has Removed From the CANADA - LIFE - BUILDING To his private address, 393 Church-street. 246

SAND! SAND! SAND!

From Bloor-st Pits.

Delivered west of Yonge and east of Queen street avenue at 75c. per yard. West of Queen street avenue and east of Bathurst-street at 65c per yard. West of Bathurst-street and east of Dufferin-street at 50c. per yard. A. W. GODSON. Telephones 5139 and 1050. 246

AUCTION SALES.

MORTGAGE SALE

OF VALUABLE

Freehold Property

IN THE

CITY OF TORONTO.

Under and by virtue of the powers of sale contained in two certain mortgages, which will be produced at the time of sale, there will be offered for sale by public auction by MESSRS. J. M. McFARLANE & CO., at their auction rooms, No. 43 King-street east, in the City of Toronto, on Saturday, March 12th, 1892, at 12 o'clock noon, the following valuable property, namely:

Parcel 1. All and singular that certain parcel or tract of land and premises, situate, lying and being in the City of Toronto, and being composed of the northerly seventeen feet of the westerly one hundred feet of lot sixteen on the east side of Kensington-avenue (formerly called Eliza-street), as shown on plan number D. 10, registered in the Registry Office in and for the said City of Toronto; said parcel of land may be more particularly described as follows: Commencing at a point in the easterly limit of said Kensington-avenue distant one hundred and twenty-three feet nine inches measured northerly along the said limit from the northerly limit of St. Patrick-street; said point being the northwesterly angle of said lot sixteen as now occupied. Thence from said point south sixteen degrees east along said easterly limit of Kensington-avenue seventeen feet to a point where the centre line of the partition wall of the house on the land covered by one of the above named mortgages, and the house on the land adjoining to the south thereof, would if produced westerly intersect the said easterly limit of Kensington-avenue. Thence north seventy-three degrees fifty-six minutes east through the centre line of said partition wall and parallel to the northerly limit of said lot sixteen one hundred feet. Thence north sixteen degrees west parallel to the said easterly limit of Kensington-avenue seventeen feet to the northerly limit of said lot sixteen. Thence south seventy-three degrees and fifty-six minutes west along said northerly limit one hundred feet to the easterly limit of Kensington-avenue and place of beginning.

On the above described premises is said to be erected a brick house known as No. 13 Kensington-avenue.

The property will be sold subject to a lease at $22 per month having about two years to run, and also subject to a first mortgage for $3050 and interest.

Parcel 2. All that certain parcel or tract of land and premises, situate, lying and being formerly in the village of Brockton, now in the City of Toronto, and being composed of part of Park lot number thirty in the first concession from the Bay in the Township of York, and being composed of part of lot number one according to a plan number 236 or 300 and being part of lot number eight on the north side of Dundas-street, east of the centre road through said Park lot as shown on a plan registered in the Registry Office for the City of Toronto as number 918, being an alteration of said plan number 236 or 300, and which said parcel may be more particularly described as follows: Commencing at the northeast angle of said lot number eight. Thence westerly along the southerly limit of Atkins-avenue shown on said plan 919 fifteen feet five inches more or less to a point where a straight line drawn through the centre of the partition wall between the house on the land herein described and the house immediately adjoining on the west side thereof would if produced northerly intersect the said south limit of Atkins-avenue. Thence southerly along the said prolongation of said centre line and through said partition wall and the prolongation of said line southerly, in all a distance of eighty feet. Thence easterly parallel to the south limit of Atkins-avenue fifteen feet five inches more or less to the eastern boundary of said lot number eight. Thence northerly along the easterly boundary of said lot number eight eighty feet more or less to the place of beginning.

Both the said parcels will be sold subject to reserved bids.

Terms: Twenty per cent. on the day of sale and the balance within twenty days without interest. Further terms and conditions will be made known at the time of sale, or in the meantime upon application to

A. D. PERRY,
32 Wellington-street east,
6566 Vendors' Solicitor.

MORTGAGE SALE

Of Valuable Central Freehold Property in the Town of Toronto Junction.

Under and by virtue of the power of sale contained in a certain charge or mortgage, which will be produced at the time of sale, there will be offered for sale by public auction by Messrs. John M. McFarlane & Co., Auctioneers, at their auction rooms, No. 43 King-street east, in the city of Toronto, on Saturday, March 5, 1892, at 12 o'clock, noon, the following valuable property, namely, all that certain parcel or tract of land and premises situate, lying and being in the Township of York and the County of York, and being composed of Lot E and that part of Lot 31 on the north side of Annette-street in the town of Toronto Junction, as shown on Plan M 46, filed in the Office of Land Titles at Toronto, described as follows: Commencing on the northern limit of Annette-street, at the southeast angle of said lot 31; thence northerly along the easterly boundary of said lot thirty-one to a point distant five feet from the north limit of said lot; thence westerly to a point in the western limit of said lot nine feet four inches distant from the north limit of said lot; thence southerly along the west limit of said lot to the north limit of Annette-street; thence easterly along the north limit of Annette-street fifty-five feet six inches to the place of beginning, which said land is known as parcel 227 for the Township of York West. On the said premises are erected seven attached brick-cased houses on stone foundations.

The property will be sold subject to a reserved bid and to a first mortgage of $6000 and interest.

Terms—Twenty per cent. on the day of sale and the balance within twenty days without interest.

Other terms and conditions will be made known at the time of sale or in the meantime upon application to

A. D. PERRY,
32 Wellington-street east, Toronto,
6066 Vendor's Solicitor.

DENTISTRY.

THE BEST TEETH INSERTED ON RUBBER or celluloid for $8 and $10, including extracting and vitalized air free. C. H. Riggs corner King and Yonge. Telephone 1476.

AUCTION SALES.

THE MART

ESTABLISHED 1834

MORTGAGE SALE OF VALUable property in the City of Toronto.

Under and by virtue of the power of sale contained in a certain mortgage, which will be produced at the time of sale, there will be offered for sale by Public Auction, by MESSRS. OLIVER, COATE & CO., at their auction rooms, 57 King-street east, Toronto, on SATURDAY, 5TH DAY OF MARCH, 1892, AT TWELVE O'CLOCK NOON, the following valuable property, namely:

All that certain parcel or tract of land and premises situate, lying and being in the City of Toronto, being composed of Lots numbers thirty-two and thirty-three on the west side of WESTMORELAND-AVENUE, in block "T," according to plan registered in the Registry Office for the City of Toronto as No. 622, having a frontage on Westmoreland-avenue of one hundred feet by a depth of one hundred and thirty feet, and having thereupon five brick-fronted houses in course of erection.

The above property will be sold subject to a reserve bid.

Terms: Ten per cent. on the day of sale, and the balance within one month without interest.

Other terms and conditions will be made known at the time of sale.

Dated 26th day of February, 1892.

WILLIAM CREELMAN,
65 Vendor's Solicitor.

By SUCKLING & CO.

Trade Auctioneers.

The undersigned have received instructions from E. R. C. Clarkson, assignee, to offer for sale by public auction at their warerooms, No. 64 Wellington-street west, on

TUESDAY, MARCH 1st,

at 2 o'clock p.m., the following stocks belonging to the estate of

John McIntosh of Toronto

No. 1—Stock at No. 942 Queen-street west, composed principally of Groceries and Teas, $1000.59.

No. 2—Stock at No. 279 Yonge-street—Groceries, Teas and Crockery, $5239.73.

No. 3—Stock at No. 281 Yonge-street, Merchant Tailors' Goods, $2631.

Also the following book debts: List "A," contracted at 279 Yonge-street, $1452.60. List "B," contracted at 281 Yonge-street, $3715.05.

TERMS—For Stock No. 1 and for Lists A and B, cash; for Stocks 2 and 3, one-third cash; balance 2 and 4 months. Interest 7 per cent., secured; deposit on sales for cash, $150 each; on credit sales, 10 per cent.

Inventory and full information given at the different stores.

SUCKLING & CO.,

Trade Auctioneers.

JOHN M. M'FARLANE & CO.,

72 King-Street East.

AUCTION SALE

Of Valuable

FREEHOLD PROPERTY

Under and by virtue of the power of sale contained in a certain mortgage which will be produced at the time of sale, there will be sold by public auction, by John M. McFarlane & Co., at their sale rooms, No. 72 King-street east, on Saturday, the 19th day of March, 1892, at the hour of 12 o'clock noon, the following valuable freehold property, namely: Part of the southerly portion of lot number 72 on the east side of Broadview-avenue, in the city of Toronto, according to registered plan D 135.

This property lies on the east side of Broadview-avenue a little south of Queen-street and opposite the Toronto Baseball Grounds, and has erected thereupon a two-story brick-faced house, No. 51, containing 6 rooms, with a bath room in the cellar, and the house is now rented at $10 a month. The main body of the house is about 10x25 with additions about 12x20, and in the rear of the lot a good frame wood-shed; all in fair order.

For further particulars and conditions of sale apply to the auctioneers, or to

ROLPH, BROWN & STILES,
Vendors' Solicitors,
Imperial Buildings, 32 Adelaide-street east, Toronto.

MORTGAGE SALE

Of West-avenue house property. Under and by virtue of a certain indenture of mortgage, which will be produced at the time of sale, there will be sold at public auction by Oliver, Coate & Co., auctioneers, at The Mart, 57 King-street east, Toronto, on Saturday, the 5th day of March, 1892, at the hour of 12 o'clock noon, the following valuable city property, namely: Part of lot 13 on the south side of First-avenue, according to plan 508 in the Registry Office of the Eastern Division of the City of Toronto, said parcel having a frontage of 26 feet and 10 inches on the westerly side of West-avenue and a depth of 46 feet and 3 inches. On said property is erected a new well-built brick-fronted house with conveniences, being the first house south of the corner of First-avenue.

Terms—Ten per cent. of purchase money at time of sale, the balance within one month thereafter. Further particulars at time of sale, and also on application to JONES & ARNOLD, Canada Life Building, Toronto. Dated this 20th day of February, A.D. 1892.

HEYD & MUIRHEAD,
62 Vendor's Solicitors, Brantford.