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Paw. Willimott, C.P. & Co. *P. Bell M.D.*

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# CATALOGUE

OF

# MINERALOGICAL GEMS

MINERALOGICAL AND PETROLOGICAL SPECIMENS,  
COLLECTIONS, &c.



C. P. WILLIMOTT & CO.,

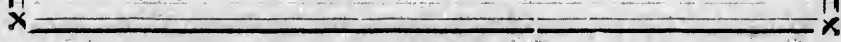
Mineralogists and Lapidaries,

333 WELLINGTON ST., - OTTAWA. CAN.



OTTAWA

PRINTED AT CITIZEN JOB DEPARTMENT, 48 & 50 QUEEN STREET.  
1890.



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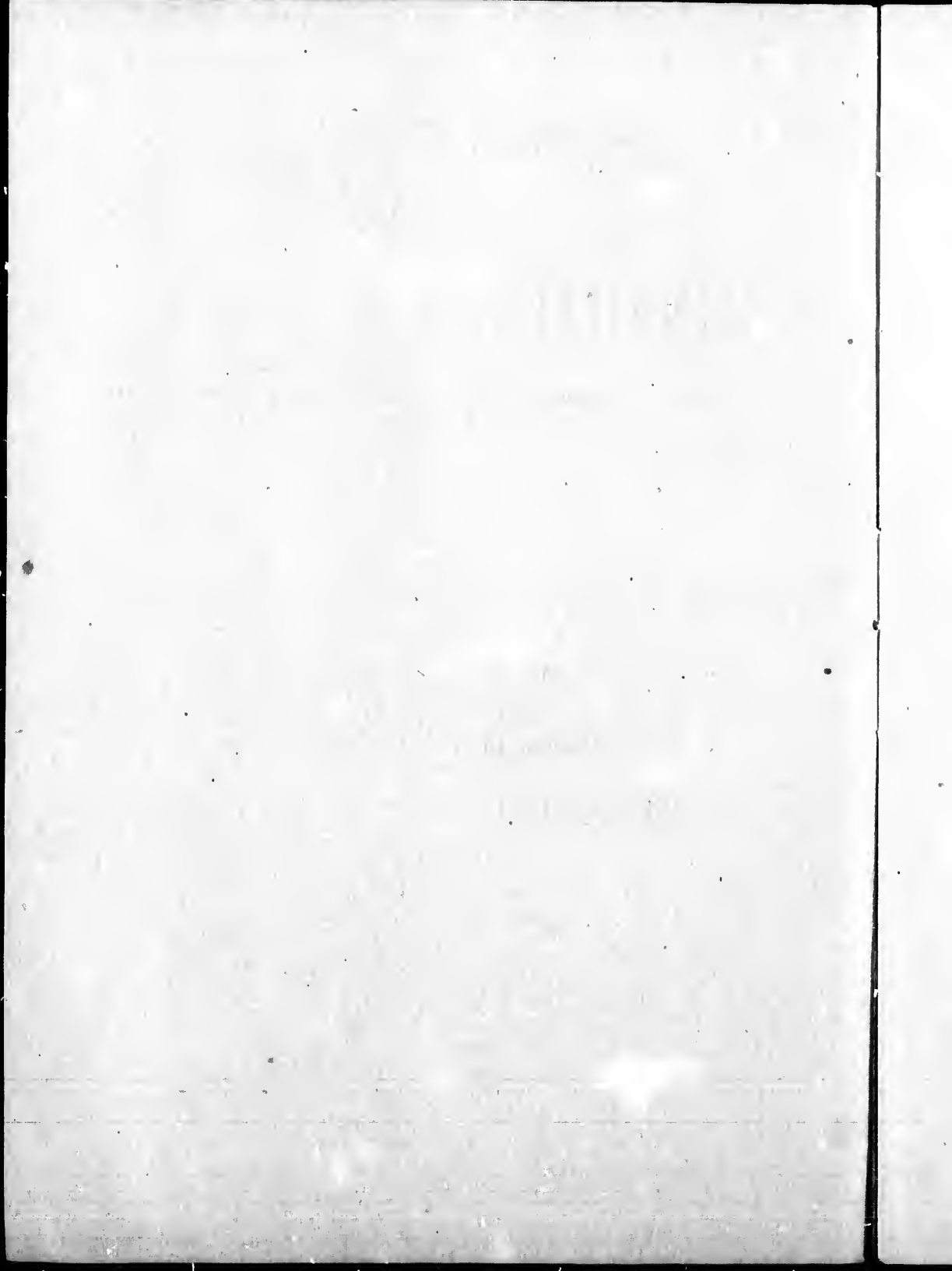
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## PREFACE.

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We have much pleasure in presenting herewith the first edition of our Catalogue, calling your attention to our stock of minerals, precious and ornamental stones, &c., cut and uncut. Our lapidary department is fully equipped with the most modern machinery for the cutting and polishing of all kinds of precious stones, mosaics, paper weights, &c. Tourists and others requiring souvenirs will find something to suit them among our varied stock of minerals. Being in direct communication with a great number of persons at many points in the Dominion we are able to supply almost any Canadian mineral at short notice, even if it should not happen to be in stock.

As we are well acquainted with the stratigraphy as well as the geographical distribution of many of our rocks, we can also at a short notice supply petrological specimens.

Special attention will be paid to the preparation of all rock sections, that may be entrusted to our care. We also shall keep in stock sections of some of our more important and interesting rocks.

Our elementary and student's collection of minerals will be found to be thoroughly reliable, characteristic and Canadian, and no foreign minerals will be used in any of these collections. With a view to meet all demands, we propose to give a classified list of minerals only. Written lists, giving the exact locality of each specimen, will be furnished for 25c, 50c and 75c extra, according to the size of the collection.

Besides the above collections we are prepared to make up suites of specimens to suit any method of teaching.

Size of specimen, according to order.

We will undertake the naming of Canadian minerals, as well as their arrangement and classification on the most reasonable terms.

**C. P. WILLIMOTT & CO., 333 WELLINGTON ST., OTTAWA, CAN.**

# CATALOGUE OF MINERALOGICAL GEMS

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## PRECIOUS AND ORNAMENTAL STONES.

We are glad to say that we have received much encouragement from the scientific public, who have expressed their approbation of our gigantic undertaking. Those persons only, who have laboured for science can begin to realize the object of our new enterprise. Remember we are not following any particular fancy that prejudice has given rise to respecting many so-called precious stones, nor do we intend to follow the fashion which a few speculators have established. We rather intend to show to the public what material we have in Canada, suitable for jewellery and other ornamental purposes. And as self adornment is a proof of taste, why cannot it also be said that the judgment necessary, was assisted by a patriotic spirit in selecting from our native material the objects of their embellishment. It is true we have not yet found the Diamond in Canada, or any of the corundum species, Ruby, Sapphire, etc., but we have other stones less expensive and sufficiently hard and handsome, which can rival many of our foreign or imported gems. You may ask what have we in Canada to replace those foreign stones with? Well, we have the Beryl which affords both the Emerald and Aqua-Marine, the Tourmaline which supplies small gems of an emerald and olive green colour, the Amethyst with its pleasing shades, the Asteria which will vie with any transparent or colourless stone from any part of the world, the Diamond excepted its brilliancy combined with its peculiar reflected star, making it a very imposing and pleasing gem. We have also the pale lemon and citron coloured Garnet, which cannot be surpassed for brilliancy. The Sodalite is harder than the foreign Lapis Lazuli, and superior in colour. Our blue Moonstones, although not so transparent as the Ceylon, are nevertheless more brilliant, and reflect a blue light instead of white. They have also the same hardness as the Ceylon stone. Our Amazon stone is prettier than the Colorado, and our Perthite and Labradorite are minerals of great beauty. Our Agates, Jaspers, Hornstones, etc., cannot be surpassed. You will perhaps say, why have we not heard of these before,; the answer is simply because their properties were not known, and indeed in several instances we introduce the material itself for the first time.

Any stone enumerated in this catalogue may be cut to order. Remember the figures quoted at the bottom of the description of each stone indicate the lowest and highest price, the intermediate prices vary so considerably depending on their perfection, brilliancy, soundness and size that a quotation of to-day would not answer for to-morrow.

C. P. WILLIMOTT & CO., 333 WELLINGTON ST., OTTAWA, CAN.

### FOREIGN STONES.

Although we make a speciality of Canadian minerals we find we are obliged to keep some foreign material to suit the local trade, such as Bloodstone, Crocidolite, Malachite, Jet, etc., etc., which we are also prepared to cut to order.

#### ASTERIA.

This name was used as far back as Pliny, to designate a certain mineral, which reveals by transmitted or reflected light, a star of six rays; a property which is also occasionally seen in the sapphire. The stones we are cutting show this star beautifully, and in fine specimens may be seen some yards off. This stone has also this peculiarity, that when it is turned round, the six rays are seen to contract into one, somewhat resembling the Cats-eye. This phenomenon is only seen after being cut, and requires great skill in the cutting to produce a good effect. The stone is perfectly transparent and as hard as the ordinary cats eye. The material from which these beautiful gems are derived, is rather limited, and even with the material on hand, much trouble is often experienced in getting a three carat stone out of a piece of a quarter pound weight.

These stones are cut (*en cabochon*) or convex so as to show to the best advantage. They look well in rings, pins, studs, &c.

Price, 50cts. to 75cts a carat.

#### AMETHYST.

Our Canadian Amethyst may be divided commercially into two varieties, the wavy or blotched purple, often of a rich colour, from Lake Superior, and the rarer uniformly tinted purple and violet variety from Nova Scotia. The latter is considered the more valuable, but if the former, with its peculiar shadings, is matched in sets, nothing can look prettier.

Price, 75cts. to \$25 each.

#### QUARTZ.

Of this mineral we have different varieties, such as Rose Quartz, Rock Crystal, &c. We also have the variety known as Venus Hair Stone from the Gatineau River, which consists of a greenish transparent Quartz, penetrated by long filaments of Actinolite not thicker than a fine needle.

Price, 25 cents to \$10 each.

#### GOLD AND SILVER QUARTZ.

This mineral when sufficiently free from cracks and fissures, and enclosing either gold and silver, in threads or patches, makes a very pretty and odd looking stone for sets of brooch and earrings; it also looks well in pins, charms, &c.

Price, \$1 to \$30 each.

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**AGATE.**

We can scarcely begin to enumerate all the varieties and colours of this pretty mineral. We have cut stones of yellow and green Moss Agate, from Nova Scotia, Fortification Agate, also from Nova Scotia as well as from Lake Superior and British Columbia, besides a great variety of other Agates, the description of which would be tedious, and at the same time convey but a poor idea of their beauty.

Canada probably affords a greater variety of these beautiful stones than any other country, and their rich colour requires no touching by the hand of the artificer, whose skill is often too apparent in the German cut stones. As these stones are of home production, and superior to the imported, we hope those patriots who cry Canada for Canadians will begin by shewing to the sceptical, that their tastes conform with their speech.

Price 25 cents to \$5 each.

**JASPER.**

We have some very fine cut Canadian Jasper on hand, red and yellow, mottled and banded, green as well as all shades of red, brown and yellow. We would also call your attention to a white variety beautifully variegated with rose colored markings. This stone is quite unique and looks very beautiful in ladies cuff-buttons, broaches and etc.

Price, 25 cents to \$5 each.

**JASPER CONGLOMERATE.**

This material makes an odd looking stone, having a base of white quartz with bright red and brown pebbles embedded.

Price, 30 cents to \$5 each.

**HORNSTONE.**

This is a translucent variety of Chalcedony, of a pure white colour, having an opaline lustre. It takes a high polish, and is well suited for engraving, and on account of its toughness, makes a durable and pretty stone for rings, pins, charms, etc.

Price, 50 cents to \$5 each.

**PORPHYRY.**

This material is often sufficiently rich in colour to deserve a place among the ornamental stones. It is perfectly compact, and takes a high polish. Its colour varies through several shades of brown, red and black. Of the latter we have a few beautiful stones, consisting of a black base interspersed with rose-coloured dots.

Price, 25 cents to \$5 each.

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**GARNET.**

The varieties of this mineral are fairly represented in Canada, but only with few exceptions good enough for cutting.

Red Garnet (Almandine), in lamellar pieces, will sometimes afford small gems of about half a carat.

Chrome Garnet, although occurring in aggregated masses of minute crystals in the Eastern Townships, does not present individual crystals large enough for cutting. Crystals of this mineral, although rare, have been found occasionally in the Ottawa County sufficiently large to cut a two carat stone.

Essonite also occurs in the same county, and will sometimes afford small gems.

A Lime Garnet of a pale lemon to brownish yellow colour, found in cleavable masses, will at times afford gems of two carats weight. They are exceedingly brilliant and transparent, and often resemble the Chrysolite or Topaz.

Price, 75 cents to \$2 each.

**TOURMALINE.**

This mineral has recently been found in Canada sufficiently clear and of a good colour to warrant the cutting of a few gems. They vary in shade from colourless through emerald to olive green.

Price, 75 cents to \$5 each.

**CHLORASTROLITE.**

Locally known in the Lake Superior district as Turtle Agates. As its name implies, this is an opaque green pebble, beautifully mottled with star-like markings. It takes a good polish, and looks well in gold mounting for pins, rings, studs, etc.

Price, 75 cents to \$5 each.

**SODALITE.**

This pretty and rare mineral, recently found in the west, will vie with the ever esteemed Lapis Lazuli which has been prized from the most remote period. Its colour is slightly darker and of a more pleasing tint. It is of the same hardness, takes a high polish, and is less frequently marred by included minerals. As is often the case with Lapis Lazuli, cut stones vary in colour from a light to dark blue, either disseminated through a white or greyish gangue or free from any admixture. Suitable for brooches, bracelets, necklaces, pins, studs, etc.

Price 25 cents to \$10 each.

**PERTHITE.**

This is exclusively a Canadian mineral, making a very pretty aventurine, showing golden spangles in a brownish base, and as the

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stone is moved about the glittering effect is very pleasing. We are also cutting a flesh coloured variety, which shows a silvery reflection as well as the golden.

These stones are particularly suited for studs, pins, broaches, etc.

Price, 25 cents to \$5 each.

#### PERISTERITE.

This, like the above, is also exclusively Canadian. It consists of laminated Albite and Quartz, the former mineral beautifully chatoyant or opalescent, of a greyish white colour.

Price, 25 cents to \$5 each.

#### MOONSTONE. (Albite).

This handsome opalescent blue Moonstone rivals in beauty the Ceylon gem, and has only to be seen to be admired. It has the same hardness and almost the same composition, but gives a blue reflection instead of white. We have heard of several instances of jewellers referring it to the opal.

It is sometimes nearly transparent, and then commands a fair price—\$2 a carat. Ordinary specimens from 25 cents to \$10 each.

#### MOONSTONE. (Adularia).

This consists of a light brownish base, glittering with many coloured spangles, the surface of which is beautifully luminous. It is quite as bright as the Ceylon gem.

Price, 50 cents to \$10.

#### LABRADORITE.

This handsome opalescent stone is said to have been brought first from Labrador by the Moravian Missionaries.

We have a limited number of these beautiful stones cut suitable for broaches, pins, rings, charms, etc., with green, blue and bronze reflections.

We can confidently state that our present limited stock of Labradorite is as fine as has ever been seen.

Price, 50 cents to \$5 each.

We have a few polished slabs of this mineral varying in price from

\$5 to \$25 each.

#### AMAZON STONE.

This stone was thought some time ago to be confined to Piko's Peak, Colorado. But notwithstanding the general belief we are prepared to offer cut stones from material obtained in Ottawa County, of a light bluish green colour, reflecting a silvery sheen which we think

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surpass the more sombre opaque bluish green mineral from the Rockies. We have also a beautifully shaded stone from Labrador.

These neat and pretty stones look well in broaches, pins, studs, buttons, charms, etc. Price, 25 cents to \$5 each.

#### MISCELLANEOUS.

We have also a number of miscellaneous cut stones not mentioned in the above list suitable as mineralogical gems, such as Scapolite, Banded Quartz, Microcline, different coloured Orthoclase, Wilsonite, etc., etc. Price, 25 cents to \$3 each.

#### POLISHED SPECIMENS.

We have a large number of polished specimens suitable for the cabinet. These may consist of either pebbles or slabs with one face polished. Comprising such as Agate, Jasper, Jasper Conglomerate, Felsite, Perthite, Albite, Sodalite, Labradorite, Amazon Stone, Renssel-aerite, Pyralolite, Serpentine, etc., etc., also many peculiar vein stones, rocks, etc.

Price 10 cents to \$25 each.

#### TILES.

We can supply tiles for decorative purposes up to six inches square, from any material, at a short notice.

#### PAPER WEIGHTS

Of Serpentine, Sodalite, Jasper, Agate and almost any Canadian material in stock. These make unique souvenirs for tourists and others, being cut in Canada from native minerals.

Price, 50 cents to \$10 each.

#### FOREIGN STONES.

We can usually supply stone cut from such minerals as Bloodstone, Pseudo-Crocidolite, Mexican Obsidian, Malachite, Jet, etc., etc, according to order.

Price, 50 cents to \$5.

#### MEXICAN ONYX.

This beautiful translucent marble can be supplied, cut to order, at a short notice.

#### TO JEWELLERS, MANUFACTURERS AND OTHERS :

We will undertake to supply some of the above stones in quantities of one gross. We would solicit an inspection of some of our minerals, before purchasing elsewhere. As our stock is rapidly increasing.

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ing, we shall probably receive some interesting specimens either for the cabinet or for cutting, and we therefore ask you to apply to us for anything in our line, you do not find in this catalogue.

#### MICROSCOPIC ROCK SECTIONS.

We will also undertake the preparation of Rock Sections and will use our utmost care in producing large as well as thin specimens. These will be mounted in hardened balsam.

Price, 40 cents each.

#### WE ASK COLLECTORS AND OTHERS

Resident in mineral localities to acquaint themselves with the minerals occurring in their neighborhood, or if you do not know their names, send us a chip off each by mail and we will advise you, except in the case of crystals, when it will be necessary to send a specimen intact. Remember we want all minerals whether of economic or scientific interest, and for rare or good crystallized specimens we will pay you what they are worth.

Any specimens sent to us for approval should be clean, fresh and devoid of hammer marks or any other defects caused by rough handling. Each specimen should be wrapped in paper or some suitable material to prevent rubbing during transport.

#### MINERALOGY.

For the convenience of those who wish to make themselves familiar with our native minerals, or who desire to assist either the prospector in his explorations, or the advanced student in his more arduous studies of the science, we have prepared suitable collection of Canadian Minerals, which will be found thoroughly reliable. Every specimen in these collections, from the smallest to the largest, we guarantee will be freshly fractured, clean and characteristic. These elementary collections have been specially arranged to meet the present growing requirements of the science. And we feel confident as the student in this delightful and interesting study becomes fully convinced of the assistance that these collections of Canadian minerals will afford him, we shall in the future have more actual workers, who will help to develop the store of riches which nature has been so lavish in bestowing on this our fair Dominion.

#### COLLECTION A.

In a divided card-board box, seven inches by six, contains the following thirty specimens with catalogue :—

Graphite, Barite, Celestite, Calcite, Gypsum, Apatite, Fluorite, Quartz, Jasper, Steatite, Serpentine, Chrysolite (*Asbestos*) Pyroxene, Hornblende, Epidote, Garnet, Orthoclase, Scapolite, Muscovite, Tourmaline, Steatite, Blende, Pyrite, Mispickel, Hematite, Magnetite, Limonite, Galena, Chalcopyrite, Bornite.

Price, \$1 each.

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## COLLECTION B.

Contains the same specimens as A, only larger. Size of box about ten by nine inches.

Price, \$2.75 each.

## COLLECTION C.

This collection has been specially arranged to suit the phosphate prospector. It will also be found to afford great assistance to the practical miner. Every specimen in this collection has been observed personally in one or more of the phosphate mines now being worked in Canada. We do not pretend to assert that the above list comprises all the associated minerals, as we ourselves know of a few others that might be added; but the rare occurrence and the difficulty of obtaining them is a sufficient reason for leaving them out of our elementary collections. It will be found, however, that these collections will contain all the minerals that an ordinary observer will meet with in the phosphate district. They are put up in a divided card box, about seven inches by six and contain the following thirty minerals with catalogue:—

Apatite (*red*), Apatite (*green*), Apatite (*sugar*), Apatite (*crystal*), Apatite in Calcite, Pyroxene, Pyroxene (*crystal*), Orthoclase, Amazon Stone, Quartz, Jasper, Calcite (*Iceland-spar*), Calcite (*pink*), Fluorite, Phlogopite, Garnet, Idocrase, Scapolite, Tourmaline, Epidote, Hornblende, Wollastonite, Mountain Cork, Sphene, Blende, Magnetite. Pyrite, Pyrrhotite, Graphite.

Price, \$1.00 each.

## COLLECTION D.

Contains the same specimens as C, only larger. Size of box about ten by nine inches.

Price, \$2.75.

## COLLECTION E.

This collection has been arranged, by special request, for students' use. It is contained in a divided card board box, size about ten inches by nine, and consisting of the following thirty specimens with catalogue:—

Quartz, Orthoclase, Labradorite, Muscovite, Phlogopite, Hornblende, Pyroxene Garnet, Epidote, Serpentine, Steatite, Chlorite Analcite, Heulandite, Tourmaline, Magnetite, Ilmenite, Hematite, Limonite, Pyrite, Chalcopyrite, Bornite Galena, Sphalerite, Graphite.

Price, \$3 each.

## COLLECTION F.

This collection will be found to contain some rare and interesting Canadian minerals. It is contained in a divided card-board box. Size about eleven inches by seven, and consists of the following sixty minerals with catalogue:—

Graphite, Barite, Celestite, Celestite (*Fibrous*), Calcite, Gypsum, Gypsum (*Fibrous*), Selenite, Apatite (*crystal*), Apatite in Calcite, Fluorite, Quartz, Amethyst, Jasper, Agate, Agate (*moss*), Steatite, Serpentine, Chrysolite, Wollastonite, Pyroxene,  
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Pyroxene (*crystal*) Pyroxene in Calcite, Hornblende, Tremolite, Mountain Cork, Stilbite, Chabazite, Analcite, Microcline, Amazon Stone, Perthite, Albite, Scapolite, Garnet, Garnet (*lime*), Garnet (*chrome*), Tourmaline, Idocrase Phlogopite, Muscovite, Biotite, Sphene, Molybdenite, Stibnite, Pyrolusite, Pyrite, Mispickel, Magnetite, Ilmenite, Chromite, Limonite, Clay Iron-Stone, Hematite, Blende, Galena, Chalcopyrite Bornite, Chalcocite.

Price, \$3 each.

#### COLLECTION G.

Same as F, only larger specimens, contained in a card board box with two divided trays. Size about eleven inches by nine.

Price, \$6 each.

#### COLLECTION H.

This may be regarded as the largest collection of Canadian minerals that have ever been offered to the scientific public. It is particularly rich in silicates, etc., nearly all the economic minerals being represented. It is contained in card board box with two divided trays. Size about eleven inches by six, and consisting of the following one hundred specimens with catalogue :

Albertite, Anthracite, Bituminous Coal, Lignite, Graphite (*columnar*), Graphite (*foliated*), Graphite (*disseminated*), Barite, Celestite, Celestite (*fibrous*), Calcite, (*Iceland-spar*), Calcite, (*pink*), Calcite (*crystal*), Dolomite, Ankerite, Magnesite, Gypsum (*massive*), Gypsum (*fibrous*), Selenite, Anhydrite, Apatite (*red*), Apatite (*green*), Apatite (*sugar*), Apatite (*crystal*), Apatite in Calcite, Fluorite, Quartz, Quartz (*milky*), Quartz (*smoky*), Amethyst, Hornstone, Agate, Agate (*moss*), Jasper (*red*), Jasper Agate, Silicified Wood, Steatite, Serpentine, Pterolite, Chrysotile, Chlorite, Wollastonite, Pyroxene (*lamellar*), Pyroxene (*crystal*), Pyroxene (*diopside*), Hornblende, Tremolite, Actinolite, Mountain Cork, Chloritoid, Chabazite, Acadiolite, Gmelinite, Analcite, Heulandite, Natrolite, Stilbite, Apophyllite, Staurolite, Chiasolite, Orthoclase, Perthite, Amazon Stone, Albite, Peristerite, Labradorite, Epidote Scapolite (*grey*), Scapolite (*yellow*), Garnet (*lime*), Garnet (*essonite*), Garnet (*chome*), Idocrase, Muscovite, Phlogopite, Tourmaline (*black*), Tourmaline, (*green*) Sodalite, Sphene, Molybdenite, Stilbite, Valentinite, Kermesite, Pyrolusite, Pyrite, Pyrrhotite, Mispickel, Ilmenite, Magnetite, Chromite, Hematite, Specular Iron Ore, Limonite, Bog Iron Ore, Clay Ironstone, Blende, Galena, Bornite, Chalcocite, Chalcopyrite.

Price, \$6.50 each.

#### COLLECTION I.

Same as H, only larger, contained in a card board box, with four divided trays. Size, about eight inches square and six inches high.

Price, \$15 each.

The above collection can be supplied in cabinets made from any kind of woods, as we have made special arrangements with a large manufacturing firm to supply us with these articles. We shall therefore be able to furnish you with a cabinet at cost price or in other words, a little in advance of the above prices.

Superior collections of Minerals and Rocks suitable for Museums, Colleges, etc., can be made for from \$50 to \$250 according to the requirements of the purchaser and at a short notice.

C. P. WILLIMOTT & CO. 333 WELLINGTON ST., OTTAWA, CAN

**PRECIOUS STONES.**

We have handsome collections of Canadian precious stones, in cases of ten and twenty. These would make nice souvenirs for tourists and others who wish to take away something that is thoroughly Canadian, as all these stones are cut by ourselves from native material. They, of course will vary much in price, according to their size, perfection and scarcity. Each specimen is cut and finished and ready for mounting.

10 specimens in case, \$5 to \$25.

20 " " \$15 to \$50.

Catalogue with each case.

Sets of minerals illustrating hardness, fracture, cleavage, fusibility, etc., supplied at short notice.

Price, 75 cents each.

## Catalogue of Canadian Specimens.

For the convenience of those collectors and others who may wish for single specimens we direct their attention to the following list of Canadian minerals. It is impossible to stipulate any price for individual specimens, as they will vary according to their perfection, rareness, etc. We, however, quote their lowest and highest price, their intermediate prices will depend on size, etc. As we can scarcely expect to have every mineral on hand at the same time, we assure those collectors and others that may favor us with their patronage, that we will endeavor to obtain for them any specimen that may not be in stock at the time their order is received.

<i>Acadholite</i> .....	.25 to	\$2.00	<i>Bitumen</i> .....		
<i>Actinolite</i> .....	.10 "	1.50	<i>Bituminous Coal</i> .....	.10 to	.25
<i>Agate</i> .....	.10 "	5.00	<i>Blende</i> .....	.10 "	2.00
<i>Alabaster</i> .....	.10 "	.50	<i>Bloodstone</i> .....		
<i>Albite</i> .....	.50 "	2.00	<i>Bornite</i> .....	.10 "	2.00
<i>Albite</i> .....	.10 "	5.00	<i>Breunnerite</i> .....	.25 "	2.00
<i>Allanite</i> .....	.75 "	5.00	<i>Brewsterlinite</i> .....		
<i>Amazon Stone</i> .....	.10 "	2.00	<i>Brown Coal</i> .....	.10 "	1.00
<i>Amber</i> .....			<i>Buhr Stone</i> .....	.10 "	1.00
<i>Amethyst</i> .....	.50 "	10.00	<i>Cacholong</i> .....	.25 "	1.50
<i>Analcite</i> .....	.25 "	2.00	<i>Caeczenite</i> .....	.50 "	2.00
<i>Andalusite</i> .....	.50 "	2.00	<i>Cuocoluste</i> .....	.50 "	2.00
<i>Andesite</i> .....			<i>Cadmium Blende</i> .....	.50 "	3.00
<i>Anhydrite</i> .....	.10 "	1.00	<i>Culcite</i> .....	.10 "	10.00
<i>Ankerite</i> .....	.10 "	1.50	<i>Caoutchouc</i> .....	.50 "	2.50
<i>Anthracite</i> .....	.10 "	.75	<i>Celestite</i> .....	.10 "	1.50
<i>Antimony Native</i> .....	.50 "	5.00	<i>Centruassite</i> .....		
<i>Apatite</i> .....	.10 "	10.00	<i>Chabazite</i> .....	.25 "	2.50
<i>Aphrodite</i> .....	.10 "	1.00	<i>Chalcedony</i> .....	.25 "	1.00
<i>Apophyllite</i> .....	.50 "	5.00	<i>Chalcocite</i> .....	.10 "	1.50
<i>Aragonite</i> .....	.25 "	1.50	<i>Chalcopyrite</i> .....	.10 "	1.50
<i>Argentite</i> .....	.25 "	25.00	<i>Chalcotrichite</i> .....		
<i>Arguerite</i> .....	\$1.00 "	10.00	<i>Chalybite</i> .....	.25 "	1.50
<i>Arsenopyrite</i> .....	.25 "	1.00	<i>Chert</i> .....	.10 "	.75
<i>Asbestos</i> .....	.10 "	1.50	<i>Chinastolite</i> .....	.25 "	2.00
<i>Augite</i> .....	.10 "	.50	<i>Chlorastrolite</i> .....	.25 "	1.50
<i>Auriferous Pyrites</i> .....	.10 "	2.00	<i>Chlorite</i> .....	.10 "	1.50
<i>Aventurine Felspar</i> .....	.25 "	1.50	<i>Chloritoid</i> .....	.50 "	2.00
<i>Azinite</i> .....	1.00 "	5.00	" <i>Schist</i> .....	.25 "	1.50
<i>Azurite</i> .....			<i>Chondropite</i> .....	.25 "	1.50
<i>Balas Ruby</i> .....	1.00 "	10.00	<i>Chronite</i> .....	.10 "	1.00
<i>Barite</i> .....	.10 "	1.50	<i>Chrome Garnet</i> .....	.25 "	5.00
<i>Beryl</i> .....	.75 "	10.00	<i>Chrysoprase</i> .....		
<i>Bismuthenite</i> .....	.50 "	2.00	<i>Chrysolite</i> .....	.25 "	2.00
<i>Bitter Spar</i> .....	.25 "	1.00	<i>Coccolite</i> .....	.25 "	1.00

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Colophonite.....			Martite.....	.50 to	2.00
Cookeite.....	.75 to	3.00	Melanite.....		
Cuprite.....	.75 "	1.50	Melanterite.....		
Dawsonite.....	.50 "	2.0	Meneghenite.....	.50 "	2.00
Delessite.....	.50 "	1.00	Millerite.....	1.00 "	5.00
Diallage.....	.25 "	1.00	Mispickel.....	.25 "	2.50
Diopside.....	.25 "	3.00	Molybdenite.....	.25 "	5.00
Dogtooth Spar.....	.25 "	5.00	Molybdite.....	.50 "	5.00
Dolomite.....	.10 "	.75	Monazite.....	1.00 "	5.00
Enstatite.....			Mordenite.....		
Epidote.....	.10 "	2.00	Mountain Cork.....	.10 "	1.50
Epsomite.....			"    Leather.....	.25 "	1.50
Erubescite.....	.10 "	5.00	Muscovite.....	.10 "	1.50
Essonite.....	.25 "	3.00	Muscovite (dendritic)....	.10 "	2.00
Faroldite.....			Nepheline.....		
Felsite.....	.10 "	1.00	Nephrite.....		
Fluorite.....	.10 "	2.00	Obsidian.....		
Fuchsite.....			Oligoclase.....	.50 "	5.00
Galenite.....	.10 "	1.50	Olivene.....		
Garnet.....	.25 "	5.00	Onyz.....		
Gmelinite.....	.50 "	3.00	Opal.....		
Gold.....	.75 "	100.00	Ophiolite.....		
Gothite.....	.50 "	2.00	Orthoclase.....	.10 "	10.00
Graphite.....	.10 "	5.00	Ottrelite.....	.50 "	2.00
Gummitte.....	.75 "	2.00	Pargasite.....		
Gypsum.....	.10 "	1.00	Parophite.....	.75 "	2.00
Hematite.....	.10 "	1.00	Pearl Spar.....	.25 "	2.50
Halotrichite.....			Pectolite.....	.50 "	2.00
Heliotrope.....	.25 "	1.00	Peristerite.....	.25 "	3.00
Heulandite.....	.25 "	2.50	Petrified Wood.....	.25 "	5.00
Hornblende.....	.10 "	2.00	Phlogopite.....	.10 "	2.00
Hornstone.....	.25 "	1.00	Phlogopite (asteriated)..	.10 "	1.00
Howlite.....	.75 "	2.00	Picrolite.....	.25 "	1.50
Huronite.....			Pitchblende.....	1.00 "	5.00
Iceland Spar.....	.10 "	5.00	Pitchstone.....	.25 "	1.50
Idocrase.....	.10 "	2.00	Platinum.....		
Ilmenite.....	.10 "	1.00	Potstone.....	.10 "	1.00
Iwaite.....			Prehnite.....	.25 "	2.50
Infusorial Earth.....	.10 "	1.00	Pyrrallolite.....	.25 "	2.00
Iron Pyrites.....	.10 "	2.00	Pyrolusite.....	.25 "	5.00
Iron Sand.....	.10 "	1.00	Pyrozcne.....	.10 "	5.00
Iron Stone Clay.....	.10 "	1.00	Pyrrhotite.....	.10 "	2.00
Jade.....			Quartz.....	.10 "	5.00
Jasper.....	.10 "	1.00	"    (Rose).....	.19 "	2.00
Kaolinite.....	.25 "	1.00	"    (Ferruginous)....	.25 "	2.50
Kermesite.....	.50 "	5.00	"    (Milky).....	.10 "	1.00
Labradorite.....	.25 "	25.00	"    (Smoky).....	.10 "	1.00
Lazulite.....			Quartzite.....	.10 "	.75
Lignite.....	.25 "	1.00	Raphillite.....	.25 "	2.00
Loganite.....			Rensselærite.....	.25 "	2.00
Magnesite.....	.25 "	1.00	Rutile.....	.75 "	5.00
Magnetite.....	.10 "	1.50	Sahlite.....	.25 "	5.00
Malachite.....			Samarskite.....	3.00 "	10.00
Marcasite.....			Satin Spar.....	.25 "	1.50
Marmolite.....			Scapolite.....	.10 "	2.00

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2.00	<i>Schorl</i> .....	.10 to 3.00	<i>Stinkstone</i> .....	.25 to 2.00
	<i>Selenite</i> .....	.10 " 1.50	<i>Strontianite</i> .....	
	<i>Senarmontite</i> .....	1 00 " 5.00	<i>Sylvanite</i> .....	1.50 " 10.00
2.00	<i>Serpentine</i> .....	.10 " 1.00	<i>Tachylite</i> .....	
5.00	<i>Siderite</i> .....	.25 " 2.00	<i>Talc</i> .....	
2.50	<i>Silicified Wood</i> .....	.25 " 5.00	<i>Tennantite</i> .....	.50 " 5.00
5.00	<i>Silver Native</i> .....	.75 " 10.00	<i>Tetrahedrite</i> .....	.75 " 5.00
5.00	<i>Soapstone</i> .....	.10 " 1.50	<i>Titanite</i> .....	.25 " 10.00
5.00	<i>Sodalite</i> .....	.25 " 10.00	<i>Tourmaline</i> .....	.10 " 10.00
5.00	<i>Specular Iron</i> .....	.25 " 2.00	<i>Tremolite</i> .....	.10 " 2.50
	<i>Spessartite</i> .....	.50 " 2.00	<i>Tripestone</i> .....	.25 " 1.50
1.50	<i>Spessylite</i> .....		<i>Tufu (calcerous)</i> .....	.15 " 1.50
1.50	<i>Sphalerite</i> .....	.10 " 2.00	<i>Ulexite</i> .....	.75 " 1.50
1.50	<i>Sphene</i> .....	.25 " 1.00	<i>Uranite</i> .....	1.00 " 5.00
2.00	<i>Spinel</i> .....	.25 " 5.00	<i>Wilsonite</i> .....	.10 " 5.00
	" <i>Ruby</i> .....	1.00 " 10.00	<i>Wollastonite</i> .....	.25 " 2.00
	<i>Staurolite</i> .....	.50 " 2.50	<i>Zinc Blende</i> .....	.10 " 2.00
	<i>Steatite</i> .....	.10 " 1.50	<i>Zircon</i> .....	.25 " 30.00
5.00	<i>Stibnite</i> .....	.25 " 2.00	<i>Zoisite</i> .....	

Collections of Canadian rocks, arranged either mineralogically or stratigraphically, embracing Sedimentary, Plutonic and Igneous rocks, may be had in sets of from 30 to 100, according to the desire of the purchaser.

Small sets of 30 specimens, one-and-half inches square, in a divided card-board box, with catalogue giving name, locality and formation..... \$3 00  
60 specimens, do..... 7 00

We can also supply the following sets without boxes:—

	\$	c.		\$	c.
30 specimens, 3 x 2.....	4	00	60 specimens, 3 x 2.....	9	00
30 " 3 x 4.....	6	00	60 " 3 x 4.....	15	00

The following list of Canadian rocks may be consulted for specimens in this line, and may usually be had at prices varying from 10 cents upwards:

<i>Amphibolite</i>	<i>Clay (brick)</i>
<i>Amygdaloid</i>	" (fire)
<i>Anorthosite</i>	<i>Diabase</i>
<i>Agglomerate</i>	<i>Diorite</i>
<i>Argillite</i>	<i>Delessite</i>
" (Clay Slate)	<i>Dolomite (Pre Cambrian)</i>
" Shale	" (Cambrian)
<i>Basalt</i>	" (Cambro Silurian)
" (columnar)	" (Silurian)
<i>Bituminous Shale</i>	<i>Enstatite Diabase</i>
<i>Carbonaceous Shale</i>	<i>Epidosite</i>
<i>Chastolite Schist</i>	<i>Felsite</i>
<i>Chloritic</i> "	" <i>Porphyry</i>

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<i>Gabbro</i>	<i>Mica Schist</i>
<i>Gneiss</i>	<i>Minette</i>
“ ( <i>Hornblendic</i> )	<i>Olivine Diabase</i>
“ ( <i>Micaceous</i> )	<i>Ophiolite</i>
“ ( <i>Garnetiferous</i> )	<i>Orthophyre</i>
“ <i>Epidotic</i>	<i>Ottrelite Schist</i>
<i>Granite</i>	<i>Peridotite</i>
“ ( <i>Porphyritic</i> )	<i>Petrosilex</i>
“ ( <i>Graphic</i> ) <i>Pegmatite</i>	<i>Phonolite</i>
<i>Granulite</i>	<i>Pitchstone</i>
<i>Hallfinta</i>	“ <i>Porphyry</i>
<i>Hornblende Schist</i>	<i>Porphyry</i>
<i>Hypersthene Rock (Norite)</i>	<i>Porphyrite</i>
<i>Infusorial Earth</i>	<i>Pyroxenite</i>
<i>Jasper Conglomerate</i>	<i>Quartzite</i>
<i>Limestone (Pre Cambrian)</i>	“ <i>Conglomerate</i>
“ ( <i>Cambrian</i> )	<i>Sandstone</i>
“ ( <i>Cambro Silurian</i> )	“ ( <i>Cambrian</i> )
“ ( <i>Silurian</i> )	“ ( <i>Silurian</i> )
“ ( <i>Devonian</i> )	“ ( <i>Devonian</i> )
“ ( <i>Carboniferous</i> )	“ ( <i>Carboniferous</i> )
“ ( <i>Lithographic</i> )	“ <i>Conglomerate</i>
“ ( <i>Hydraulic</i> )	<i>Serpentine</i>
“ ( <i>Argillaceous</i> )	<i>Sericite</i>
“ ( <i>Arenaceous</i> )	<i>Shell Marl</i>
“ ( <i>Bituminous</i> )	<i>Syenite</i>
“ ( <i>Conglomerate</i> )	<i>Trachyte</i>
<i>Melaphyre</i>	

We are constantly securing rare and handsome specimens from all parts of Canada. Among the latest arrivals are some fine specimens of :—

Sodalite, Chrome Garnet, Lime Garnet, Kermesite, Molybdenite, Molybdite, Mountain Cork, Yellow Scapolite, Chloritoid, and Crystals of Sphene and Apatite, some good twins of the former. We have also some interesting specimens of Dendritic Muscovite and Phlogopite, showing Asterism by transmitted light.

Specimens of every description appertaining to the above branches will be received at any time from travellers in any part of the world, for sale on commission.

Specimens to the value of \$25 sent on approval, but passage must be paid both ways by the party ordering, when box is returned.

Printed numbers, 10 cents per sheet.

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Manufacturers, Chemists and others, requiring minerals for their use, can be supplied in large or small quantities.

Curators of Museums, proprietors and others, interested in Mineralogy and Lithology, are invited to inspect our varied stock, or communicate with us, if anything is wanted in our line.

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