

CCATALOGUE



OF

PRECIOUS STONES



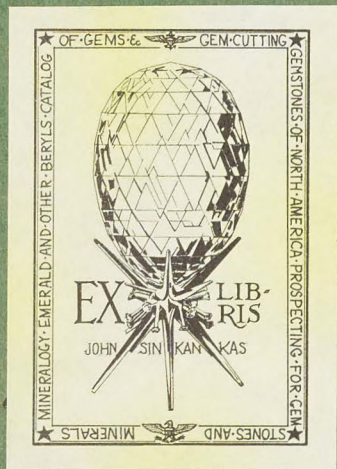
FIELD &
COLE.

Price, 25 cents

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James S. Lane
1899
CATALOGUE

—♦♦OF♦♦—

Precious Stones

PRICE, 25 CENTS

ARRANGED AND PUBLISHED BY
FIELD & COLE,
LOS ANGELES, CALIFORNIA.



Copies of our Catalogue of Precious Stones

Will be forwarded on receipt of CASH, as follows:

One copy for	25 cents.
Ten copies for	\$ 2.00
Twenty copies for.....	3.50
Fifty copies for.....	7.00
One hundred copies for	12.00

We prepay Mail or Express Charges.

Precious Stones and Their Meaning



For January we have the	Garnet	expressing	Constancy
“ February “ “	Amethyst	“	Sincerity
“ March “ “	Bloodstone	“	Courage
“ April “ “	Diamond	“	Innocence
“ May “ “	Emerald	“	Success in love
“ June “ “	Agate	“	Health and long life
“ July “ “	Ruby	“	Content
“ August “ “	Sardonyx	“	Conjugal Felicity
“ September “ “	Sapphire	“	Antidote to madness
“ October “ “	Opal	“	Hope and Faith
“ November “ “	Topaz	“	Fidelity
“ December “ “	Turquoise	“	Prosperity

The Birth of the Opal.

The Sunbeam loved the Moonbeam ;
And followed her low and high ;
But the Moonbeam fled and hid her head—
She was so shy—so shy.

The Sunbeam wooed with passion ;
Ah ! he was a lover bold ;
And his heart was afire with mad desire
For the Moonbeam pale and cold.

She fled like a dream before him ;
Her hair was a shining sheen ;
And O ! that fate would annihilate
The space that lay between

Just as the Day lay panting
In the arms of Twilight dim,
The Sunbeam caught the one he sought
And drew her close to him.

But out of his warm arms started,
And, stirred by love's first shock,
She sprang, afraid, like a trembling maid,
And hid in the niche of a rock.

And the Sunbeam followed and found her,
And led her to love's own feast,
And they were wed on that rocky bed,
And the dying Day was their priest.

And lo ! the beautiful Opal—
That rare and wondrous gem—
Where the Moon and the Sun blend into one
Is the child that was born to them.

—E. W. W.

To the Public



This little work is gotten up to meet an increasing demand for information on the part of those who are interested in precious stones and other geological formations. The booklet is in condensed form, and only gives such general information as may be of benefit and interest to those who are not connoisseurs. We are indebted to Mr. George F. Glaser, of Denver, Colorado, one of the best gem experts in the known world, for valuable information in compiling this work.

CHAS. A. COLE.

Los Angeles, Cal.

SCHEDULE OF GEMSTONES

NAME	Hardness	Specific Gravity	LOCALITIES
Diamond	10.	3.5	Africa, India, Brazil and a few in Virginia, S. Carolina and California
Sapphire	9.	4.	} The family of Corundums are found in India, South America, Sumatra, France, Germany, Burma, Siam, Ceylon and Montana, U. S.
Ruby	9.	4.	
Emerald (Oriental)	9.	4.	
Zircon "	9.	4.	
Hyacinth "	9.	4.	
Jacinth "	9.	4.	
Olivine "	9.	4.	
Topaz "	9.	4.	
Aqua Marine "	9.	4.	
Amethyst "	9.	4.	
Jargoon "	9.	4.	
Beryl	8.	2.70	
Emerald (Beryl)	7.75	2.70	
Alexandrite "	8.	3.7	
Chrysoberyl	8.	3.7	
Cat's Eye (Chrysoberyl) ...	8.	3.5	

SCHEDULE OF GEMSTONES.—Continued.

NAME	Hardness	Specific Gravity	LOCALITIES
Topaz, Precious.....	8.	3.5	Germany, Brazil, N. America.
Spinnel.....	8.	3.5	} India, Australia, Germany, Cey- lon, N. America
Balas Ruby.....	8.	3.5	
Sapphirine.....	8.	3.5	
Alamandine.....	7.5	4.	India, N. America, Cape Good Hope
Aqua Marine.....	7.05	3.	N. America, Ger- many, Russia, India, Australia
Arizona Ruby Garnet.....	7.5	4.5	} Navajo Reserva- tion, Arizona
“ Jacinth.....	7.5	4.5	
“ Hyacinth.....	7.5	4.5	
Garnet.....	7.	3.7	} Various kinds are found in nearly all gold- washings in the world
Cinnamon Stone, Garnet...	7.	3.7	
Peridot, Ceylon.....	7.	3.	Turkey, Ceylon, N. Am., Germany
“ Arizona.....	6.5	3.5	Colorado, Arizona, Mexico, U. S.
Chrysophrase Quartz.....	7.	2.60	} N. America, Ger- many, Russia, Switzerland, In- dia, Australia, S. America, Cey- lon
Jasper “.....	7.	2.50	
Agate “.....	7.	2.60	
Crystal “.....	7.	2.65	

SCHEDULE OF GEMSTONES.—Continued.

NAME		Hardness	Specific Gravity	LOCALITIES
Topaz	Quartz.....	7.	2.65	
Amethyst	“.....	7.	2.65	
Cairngorm	“.....	7.	2.65	
Pink	“.....	7.	2.65	
Crocidolite	“.....	7.	3.	
Chalcedony	“.....	7.	3.	
Jadestone	“.....	7.	3.	
Onyx	“.....	7.	3.	
Sardonyx	“.....	7.	3.	
Bloodstone	“.....	7.	3.	
Carnelian	“.....	7.	3.	
Cryophrase	“.....	7.	3.	
Chrysolite	6.5	3.5	N. America, Mexico, Germany, Ceylon, Turkey
Tourmaline	7.	3.	N. America, Brazil, Germany, Sweden
Hiddenite	7.	3.15	Alexander Co., N. Carolina.
Olivine	6.75	3.5	Mexico, Turkey, India
Epidote	6.5	3.40	N. America, Brazil, Switzerland

SCHEDULE OF GEMSTONES.—Continued.

NAME	Hardness	Specific Gravity	LOCALITIES
Hematite	6.	4.50	N. America, Germany, France, Italy
Labradorite	6.	2.5	N. America, Germany, Switzerland
Moonstone	6.	2.75	N. America, Germany, Switzerland
Obsidian	6.	2.5	N. America, Germany, Switzerland
Sunstone	6.	2.8	Finland, Switzerland, N. America.
Turquoise	5.5	2.	N. America, Persia.
Opal, Precious	6.	2.65	Hungary, Australia, Honduras, etc.
“ Common	5.5	2.	N. America, Mexico, Germany.
“ Idaho	7.	2.50	Idaho, N. America
Lapis Lazulis	5.5	2.40	Persia, India, Brazil, S. America.
Hydrophane	5.5	2.	N. America, Mexico, Germany.
Malachite	4.	3.75	N. America, Mexico, Germany, Russia.
Spar	4.	3.	N. America, Mexico, Germany.
Jet	2.5	1.40	England, France, Germany, Spain.
Amber	2.5	1.50	N. America, Russia, Sicily, Galizia.

Diamonds.

While there can be no exact given prices, the following can be relied upon to be nearly the prices that have governed for the past 15 years (there has not been a fluctuation of 10 per cent. either way) these prices are for good white commercially perfect stones. A gem, an absolutely perfect stone and perfectly cut, commands a much higher price, the writer knowing of one weighing $\frac{1}{2}$ carat selling for \$750.

Diamonds averaging		$\frac{1}{2}$ carat each	\$	60	per carat.
"	"	$\frac{3}{4}$	"	80	" "
"	"	1	"	100	" "
"	"	$1\frac{1}{4}$	"	110	" "
"	"	$1\frac{1}{2}$	"	120	" "
"	"	$1\frac{3}{4}$	"	145	" "
"	"	2	"	175	" "

Stones weighing over 2 carats are valued at the same per carat as 2 carat stones, viz: \$175 per carat, because the demand for stones over that size is limited.

The largest cut diamond in the world is the Braganza, 1880 carats, belonging to the Portuguese jewels, estimated value about \$1,500,000.

Sapphire or Corundum.



So much has been said and written lately about the Sapphire mines, in Montana, that these particular Gemstones have been more talked about and have caused more diversity of opinion among experts than any find in the history of our country. *Sapphire* means *Corundum*, or a stone of the hardness of 9; the color of each stone gives it its name. A *Ruby* is a *Red Sapphire* and a *Green Sapphire* is called an *Oriental Emerald*; the *Purple Sapphire* or *Oriental Amethyst*; the *Golden Sapphire* or *Oriental Topaz*; the brown red or *Oriental Hyacinth*; yellow red or *Oriental Jacinth*; the pale green or *Oriental Olivine*; the grey white or *Oriental Targoon*; the brownish green or *Oriental Zircon*, and other fancy colored *Sapphires*, are all graded according to brilliancy, perfection and accuracy of cut and finish.

The Montana Sapphires are true Corundum. They are true *Sapphires* in hardness, composition and texture, and some of them equal the diamond in brilliancy. Some very fine and beautiful gems have been found and marketed, at prices from \$15

to \$100 a carat, their predominant color being light sea green to a deep blue green, pale pink, pale blue and, occasionally, white and brownish. Good Montana Sapphires, in sizes of 1-16 to 1 carat, at from \$1 to \$24 a carat.

Oriental Sapphires, in true blue, come in ordinary sizes, at from \$6 a carat, for the ordinary quality (we have some for \$3), up to \$40 a carat, for good, perfect stones. Of course, extra fine Gems command much higher prices, and are not plenty.

The Indigo—very dark, blue sapphires—range from \$12 to \$30 a carat.

The various Colored Sapphires, such as white, grey white, green, pink, golden brown, brownish yellow, yellowish red, purple, etc., command prices varying from \$4 a carat to \$50 a carat. These gems are highly recommended and meet with ready sale, their wearing qualities being next to the diamond.

The Ruby or Red Sapphire varies in color from a pink to a dark red, the most valuable being the pigeon blood. A perfect stone commands a high price, but is rarely met with. A 1½ carat Ruby, perfect and of absolute perfect color, is val-

ued at \$1,000 a carat. Ordinary stock, assorted sizes, from \$50 to \$100 a carat; very small ones at \$10 to \$25; Ruby Eyes at \$10 (thirty to a carat.)

The best Ruby Garnets, Hyacinth and Ja-cinth Garnets come from Arizona. They are a volcanic stone of great hardness being 75 per cent as hard as a diamond, brought to the surface of the ground by the ants and scorpions and deposited on the sides of their burroughs, along with sand and other gravel. They are different from other gar-nets in this respect. Most other garnets come in a form of matrix, while these are in pebble form, free from matrix, and are found only in New Mex-ico and Arizona. We sell rough specimens at 10 cents to \$1 each. Special, fine, large pieces have brought as high as \$50 a piece. In quantities of from one pound to 100 pounds, we quote prices only to large dealers, lapidaries and exporters. These prices depend on sizes wanted and quantity used yearly. Large quantities are sent to Europe yearly to be used for doublets.

Our best cut Arizona Ruby Garnets come at \$3 a carat, all sizes; a very good quality at \$1.50, and cheaper goods at \$9 a dozen, for carat size, and correspondingly cheaper for smaller stones.

Doublets in Emerald, Ruby and Sapphire, we quote sizes: 5 to 9, at \$6 a gross, or \$1 a dozen; 10 to 14, at \$9 a gross, or \$1.25 a dozen; 14 to 19, at \$13.50 a gross, or \$1.75 a dozen; 20 to 24, at \$18 a gross, or \$2 a dozen; 25 to 30, at \$30 a gross, or \$3 a dozen; 30 to 36, at \$42 a gross, or \$4.50 a dozen. We sell first quality of doublets only.

No. 3. The Beryl occurs in various colors, the most valuable of which is the—

Emerald, a stone rarely perfect, and when so, it is looked upon with suspicion. The price of a really perfect Emerald, of perfect color, is like a ruby, way above the diamond. Fairly good Emeralds, in $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ and 1 carats, at \$30 to \$80 a carat; light colored, at \$20, \$18, \$12, and even \$5 a carat.

The Hiddenite, or American Emerald, has not been sold very much as yet. The owners of the mine are withholding the product from the market for some reason not known to us. Most of them are pale green—about \$12 a carat.

The Alexandrite, a dark green beryl, with a red cast, and the faculty of turning a deep red under artificial light, ranks amongst the finest and rarest gems.

The Aqua Marine sky blue or sea green Beryl sells at from \$3 to \$10 a carat—a very bright, brilliant stone.

The Chrysoberyl, or yellow, brownish, and, sometimes, greenish Beryl, is quite saleable, and ranges with us at \$1.50 to \$6 a carat.

The Cat's Eye and Cimophane are species of Chrysoberyl, not often sold now, because the Crocidolite Cat Eye is so much cheaper. We quote the price about \$1.50 a carat.

The Spinel might properly be called a second cousin to the Ruby. It contains 20 to 25 per cent less of corundum, and is not quite so hard. In color, it comes in pink, red, brown, blue and black.

The Balas Ruby is a rose colored Spinnel.

The apphirine is a pale blue Spinnel, and both these, as well as other colors, are usually sold as fancy Spinnels. Prices vary, according to quality, at from \$3 a carat up to \$40 and \$50 a carat.

The Topaz, white or precious, is but seldom found in large pieces, and commands high figures if at all clear and of perfect form, \$20 an ounce in the rough has been paid for good specimens of two or more ounces. Cut stones sell at \$3 to \$8 a carat.

The Almandine is a purple garnet of exceeding fine lustre and one of the most saleable stones. Prices range from \$6 to \$15 a dozen according to size. Some few extra fine ruby-colored ones sell at \$1.50 a carat.

The Garnet (Bohemian or Cape) comes in all shapes and sizes. We quote Garnet roses at \$1 to \$1.50 a gross; oval cut, 50 cents to \$4.50 a dozen; round cut, 60 cents to \$3 a dozen; square, oblong, marquise, heart and fancy shapes at \$3 to \$12 a dozen.

The Carbuncle is a garnet cut oval top like a cat's eye or opal. Prices from \$1 a dozen to \$10 each.

The Cinnamon Stone is a brown garnet and ranges about the same in price.

Australian and Hungarian Opals we sell at \$2 to \$20 a carat.

Mexican Opals come in opaque and also transparent forms, the transparent ones being called water opals, and their value depends on the amount of fire in the stone. Prices range from 25 cents each to \$10 per carat.

Hydrophane or colorless opal is of no value as a precious stone. We sell specimens only at 25 cents to \$1 each.

Rough Opal in its matrix, we have in Mexican at 50 cents to \$15 each. ♦

The Peridot and Chrysolite are of a yellowish green and dark olive color and range in price from \$2.50 to \$6 a carat.

The Turquoise now very much in demand, is a difficult stone to handle, because even the best will sometimes change color. Guaranteed genuine Turquoise we will sell at from \$6 to \$15 a carat. Imitation, reconstructed and enamel Turquoise at from 25 cents to \$3 each.

Some of the finest Turquoise (robin's egg blue color) comes from the mines near Cerillos and near Silver City, New Mexico. In 1897, Mr. Geo. Simmons, a miner, discovered valuable deposits of turquoise near Vanderbilt, San Bernardino county, California. Experts have pronounced the California Turquoise to not be near so apt to change color by coming in contact with moisture as the turquoise from other localities.

Quartz comprises a large variety of precious stones. Under this heading we quote the common white Quartz—the rough in clusters and single crystals at 50 cents a pound or 100 pounds for \$20. Cut stones \$3 to \$10 a dozen.

Amethyst, Topaz, Cairngorm, Smoky Quartz, Pink Quartz, cut in round, oval, square and oblong, sell at 50 cents to \$1.50 a pennyweigh, according to quality.

Chalcedony, Agate, Carnelian, Bloodstone, Chrysoprase, Onyx, Jasper, Crocidolite (all species of Quartz) we furnish in polished specimens of one inch square at 25 cents or 100 for \$12, larger pieces 50 cents to \$3 each, and in ring sets at from 25 cents to \$1.50 each, plain and cameo.

The Tourmaline occurs in green, blue, red, black, brown and yellowish green, and fine cut stones find ready sale. Prices range from \$3 to \$15 a carat and higher.

The Moonstone is a variety of feldspar. Fairly good pieces at 75 cents to \$1.50 a pennyweight. In balls they range from 60 cents to \$12 a dozen. Heart and marquise shapes at \$4.50 to \$15 a dozen.

The Epidote varies in color from light green to olive, brown, dark, almost black green, to grayish white.

The Hematite, or natural steel, is dark, steel gray, and comes in carbuncle shape, balls and hearts. Prices, at present, are \$3 to \$9 a dozen.

Labradorite and Sunstone are feldspar, and not much used.

Obsidian, or volcanic glass, is of little use. Specimens at 25 cents to \$1 each.

Malachite is not much called for, and while some pretty specimens come from the Arizona copper mines, and those with azurite crystals find good sale. Its use is confined mostly to cabinets and collections. Specimens sell at 25 cents to \$10 each.

We have included in our list only such of the precious stones and geological specimens as are used and sold for jewelry purposes, and ask you to correct us if in any particular we have made a misstatement.

FIELD & COLE.



ROBERT S. FIELD

CHAS. A. COLE

Three Diplomas and Medals
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