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*A Few Ponderous  
Facts, to Ponder  
Over, Concerning*

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**G O L D**

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# BIG IDAHO MINING AND DEVELOPMENT COMPANY

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ORGANIZED UNDER THE LAWS OF  
THE STATE OF SOUTH DAKOTA

## **AUTHORIZED CAPITAL, \$3,000,000**

Composed of 3,000,000 Shares  
having a par value of \$1.00  
each, fully paid and  
non-assessable

Main Office, Sioux Falls, South Dakota

Principal Business Office, Chicago, Ills.

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## **OFFICERS**

JAMES WEST HINGSTON, President

W. H. SKINNER, Vice-President

J. P. HAYNES, Secretary and Treasurer

V. CABLE, Assistant Secretary

P. R. KELSEY, General Manager

ROBERT LINN, Fiscal Agent

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## **DIRECTORS**

W. H. SKINNER

Mayor of Lewiston, Idaho

P. R. KELSEY

Placer Mining Expert, Lewiston, Idaho

J. P. HAYNES

Mine Owner, with Long Experience in Mines, Chicago, Ills.

ROBERT LINN

Manufacturer of Mining Machinery, and Experienced in Mining  
for Many Years, Chicago, Ills.

COL. J. O. HUDNUTT

Civil Engineer, having had more than Forty Years  
Experience, Chicago, Ills.

J. F. BEEBE

Manufacturer of Cereals and Cereal Machinery, Chicago, Ills.

DR. JAMES WEST HINGSTON

Chicago, Ills.

W. H. LYON

Attorney at Law, of the Firm of Davis, Lyon & Gates  
Sioux City, South Dakota

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## **BANKS OF DEPOSITORY**

Metropolitan National Bank of Chicago

Lewiston National Bank, Lewiston, Idaho

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## **EXECUTIVE COMMITTEE**

ROBERT LINN

J. O. HUDNUTT

J. P. HAYNES

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## **FIELD EXECUTIVE COMMITTEE**

W. H. SKINNER

P. R. KELSEY

J. F. BEEBE

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P. R. KELSEY, *General Manager*  
PLACER EXPERT

## The SOURCE of GOLD NUGGETS

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From placer deposits in which gold was found King Solomon derived all of the gold by which Solomon's Temple was covered, the ceilings and walls were decorated and from which images, statues, vessels and golden ornaments were fashioned.

Placer deposits are formed by erosion and wearing away of the earth's crust, dissolving and disintegrating the veins of quartz in which the gold was created, and these deposits naturally have been carried down along streams of rapid descent and accumulated in valleys and ravines, thus leaving small particles and nuggets of gold free from its original environment; the gold being heavier than the earth, quartz, gravel and sand, it naturally drops to the lowest point, which is generally bedrock. In many of these gravel deposits that accumulated during different epochs of the erosion of the earth's crust layer after layer has been added, resulting in the deposition of gold, fine and coarse, in the different stratifications thus formed, so that on examination of such deposits we find the gravel, sand and sometimes loam, permeated from the surface to bedrock with fine and coarse gold, each stratification differing in value per cubic yard. This method of procuring gold is the most simple and least expensive of all known methods of obtaining the precious metal.

**Essential Features** A few essential features, however, are absolutely necessary, to be combined within themselves to make the procuring of gold possible, cheap and profitable, even in placer deposits. The attributes or conditions necessary for its success are as follows:

First—A placer deposit containing enough value in gold to more than pay for the labor in its extraction.

Second—Sufficient water available under high pressure to move large quantities per day.

Third—To have a dumping ground ample and at a sufficient decline to carry away all of the refuse material.

Fourth—The deposit must be free from large boulders.

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*The first quarterly dividend of three per cent. will be  
declared October, 1902*



## **BIG IDAHO MINING AND DEVELOPMENT COMPANY**

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Fifth—It must be free from dobie clay, or robber clay, as it is termed by the miner.

Sixth—Under the deposit must be a bed-rock without seams, or of such a character as to be easily and cheaply handled by the water from the giant under high pressure. Placer deposits possessing these conditions, coupled with experienced men to handle the same, are as certain of profitable results as any investment that can be made in this world.

The Big Idaho Mining and Development Co., own and control three distinct placer deposits, having all of these attributes and conditions favorable for sure and profitable returns. This has been made possible because our general manager in the field is a man of wide experience and possessed of technical and practical knowledge, and has examined nearly two score of placer deposits, selected from the many the three that we now possess, having all of these attributes.

A brief description of the three placer deposits and one group of gold quartz claims, owned and controlled by this company, is as follows:

All of these properties are located in the state of Idaho, the quartz group and two placers being located in Idaho County, and the other or third placer being located twenty-five miles from Lewiston.

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### **PROPERTY NUMBER ONE**

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Is called Big Creek Meadows and Placer, comprising more than 700 acres lying on both sides of Big Creek, Idaho County, extending along the same for a distance of seven and one-half miles; the deposit of gold bearing quartz and gravel ranging in width from 350 feet to 1,000 feet and ranging in depth from 5 feet to 35 feet. It has been estimated by careful survey and exploitation that there are more than 54,000,000 cubic yards in this deposit, having an average value of more than 40 cents of gold per cubic yard. Big Creek is a stream of water, having 4,200 miners' inches at lowest stage and ranging from that to 12,000 miners' inches, and flows through its channel at a downward grade of 158 feet to the mile and empties into a canyon that drops off at about 8 feet to the rod, thus

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## **BIG IDAHO MINING AND DEVELOPMENT COMPANY**

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affording an ample deposit for all the material that we can possibly crowd into it. By diverting the water from this stream at different points and carrying it a mile and one-half by ditches, we can attain a perpendicular pressure of more than 200 feet, affording a tremendous pressure to bring to bear upon the loose quartz deposit, which can be handled at the rate of 10,500 cubic yards per day, with water at its lowest stage. There are no boulders, no clay, all the fall that we desire, ample water, high values in gold, sufficient dump for a thousand years, combined in these surroundings, making it a most marvelous opportunity to yield up values in gold at a cost to the Company of  $\frac{1}{2}$  cent per cubic yard. After installation this hydraulic plant can be operated by nine men at a total expense per day of \$41.00.

Another most remarkable condition exists in this deposit, namely, about two-thirds of the weight and bulk of this whole deposit is decomposed quartz, that is, quartz having been disintegrated by the chemical action of the elements to the consistency of small cubes from a quarter of an inch to an inch square, and in some instances, of course, the quartz being as large as your fist, thus presenting a mass of at least fifty millions tons of gold bearing quartz already mined that will be absolutely free milling, ranging in value on the average of from \$6 to \$8 per ton. It is the purpose of the company in the sluicing of this material at the rate of 10,500 cubic yard per day to deflect and carry away this quartz out onto one side of the canyon and deposit the same on the mountain side high above the steep and precipitous channel through which the water has worn its way, thus piling up a vast amount of clean free milling gold ore, ready to be precipitated into a milling plant located conveniently for the handling of the ore by gravity, and propelled by the water power right at hand. We may say in truth this combination of values, of power, of quantity and quality of gold bearing material, is unparalleled in the history of mining in this country. Hence we have as follows:

### **Facts and Large Figures Combined**

Fifty-four million cubic yards containing 40 cents per cubic yard in gold nuggets, aggregating \$21,600,000. This can be taken out at the rate of

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half a million dollars a year and will require forty years to exhaust the deposit.

Fifty million tons of quartz averaging \$6 per ton gives the enormous sum of \$300,000,000. The company proposes the building of a 1,000-ton mill and should this capacity be increased to 5,000 tons a day it would require fifty years to exhaust this dump pile of ore. With modern machinery, water power owned by the Company, this quartz can be crushed, pulverized and amalgamated at a cost of 75 cents per ton.

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### PROPERTY NUMBER TWO

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Is known as O'Brien Gulch Placers and lie on tributaries of Red River, about six miles from Property No. 1. This property consists of twelve claims of 20 acres each and the deposit is from 8 feet to 15 feet in depth and will average 45 cents per cubic yard. This property is thoroughly equipped with ditches, hydraulic outfit, sluices and all of the necessary appliances to handle 2,500 cubic yards per day of twenty-four hours. There are 1,100 miner's inches of water available and this property is now in operation and is throwing at least

#### **Dividends Now Being Earned**

\$1,000 of gold per day into the sluice boxes, all to be cleaned up about Aug. 15th of this year. It is the intention of the company to increase the product of this plant by picking up the water after it has passed our flumes and sluice boxes and carrying it about a mile and a half around the nose of the mountain and depositing it upon sixty acres more of gravel deposit that ranges in value from 2½ to 5 cents a pan (there being 179 pans in one cubic yard).

It is expected that we can get this into operation about July 20th, and we will be able to handle about 250 yards of this material an hour, and the manager

#### **A Certainty By Increasing Capacity**

is of the opinion that he can produce from this lower deposit \$1,000 per hour. This work will be accomplished at considerable expense, but if we are expeditious more than twice the amount of money expended in its improvement can be deposited in the treasury of the Company at the close of the season. We have in this district about 120 days in

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## BIG IDAHO MINING AND DEVELOPMENT COMPANY

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which to do our work each year, and not a day or hour of this valuable time should be lost.

In this deposit already equipped and running there is blocked out three seasons' run at 2,500 cubic yards per day, showing a total value in this one block of \$450,000, besides this, there are seven seasons' work yet available, thus making an aggregate of 1,500,000 of gold. Upon the sixty acres an additional \$2,000,000 is easily available. Thus we have in this property \$3,500,000 that should be taken out at the rate of about \$400,000 a year.

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### PROPERTY NUMBER THREE

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Is located twenty-five miles above Lewiston, Idaho, and consists of 120 acres of a placer deposit called a high bar from 23 to 35 feet thick—this mass averaging over 25 cents per cubic yard. A great deal of money has been expended in an outfit on this property, water being supplied from the Snake River by a system of pumps. We can now handle but 300 yards per day. The Company propose increasing this capacity to 2,000 yards per day. This increased capacity can be placed in operation by the first day of September this year. This property is located in a climate that enables its operation the year round. It is estimated this property contains over 5,000,000 cubic yards and will average more than 25 cents per cubic yard, thus showing a value of \$1,250,000.

***Steady Daily  
Profit the  
Year Round***

This property will produce a net profit of \$420,000 per year after the additional capacity is in operation Sept. 1, 1902.

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### PROPERTY NUMBER FOUR

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-- -- -- Known as the Union Group -- -- --

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***A Bonanza  
in Itself***

Comprises the quartz group of six claims running across the Big Creek canyon, two claims being on one side and four claims on the opposite side. These claims are located end on end and are 600 feet wide by 1,500 feet long, thus making 9,000 feet of ledge matter. This quartz ledge is developed by two tunnels on

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the left hand side of Big Creek and one tunnel on the right-hand side. The lower tunnel is driven upon the ledge a sufficient distance to obtain a depth of 250 feet; cross cuts have been made, the width of the vein determined, which shows it to be in excess of 12 feet; milling value of the ore is \$11 in free gold and \$30 in gold in concentrates per ton, thus making a general average of over \$40 per ton in gold. There are over 1,000 tons of ore on the dump, from 5,000 to 10,000 tons in sight developed, which aggregate in value, at a low estimation, \$240,000. A ditch has been run from Big Creek and it now attains an elevation of 200 feet above the mill site located for this property, thus affording sufficient water power to drive from a 100 to a 500-ton mill.

### ***There is Work For a Century***

This quartz alone is of sufficient value to base our whole capitalization upon. The Company propose placing in operation on this property a milling plant of 100 tons capacity immediately. There is plenty of timber upon this property for all mining for years to come, water power available the year round, mountain wagon roads nearby, a railroad projected within fifteen miles of this property.

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Property No. 1 contains gold values in nuggets in sight, \$21,500,000.

Property No. 1 contains in decomposed quartz measured up, an estimated value of \$300,000,000 in fine gold.

Property No. 2 contains gold nuggets in placer, \$3,250,000.

Property No. 3 contains in gold nuggets in placer, \$1,500,000.

The Union Quartz Group, Property No. 4, shows ore in sight to the value of \$240,000.

Investors in this stock will have an interest in property having an estimated value of \$325,000,000.

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## RECAPITULATION

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### VALUES IN SIGHT— PROPERTY NUMBER ONE

In gold nuggets.....	\$ 21,600,000
In decomposed gold quartz.....	300,000,000
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	\$321,600,000

### PROPERTY NUMBER TWO

Gold nuggets in placer.....	\$ 3,250,000
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### PROPERTY NUMBER THREE

Gold nuggets in placer.....	1,500,000
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### PROPERTY NUMBER FOUR

Gold in quartz ore on dump and in sight .....	240,000
Grand total .....	<hr/>
	\$326,590,000

### *History Repeats Itself*

The above recapitulation exhibits startling figures, but when we compare these figures to what has already been done in Idaho from placers of like description, such anticipated results are not considered uncertain or doubtful.

A brief statement is in order:

Elk, Dixie and Big Creek districts have produced over \$25,000,000 in placer gold.

Gold Hill mine has already produced over \$2,000,000, and is producing from \$40,000 to \$60,000 per season with the labor of nine men.

Buffalo Hill is doing about the same.

On Moose Creek during the season of from five to nine weeks eleven men produce from \$40,000 to \$85,000 every season.

### *There Are Others of Our Kind*

American Hill spent about \$65,000 to open up its property and has taken out \$1,800,000 in five seasons.

### *This is One of Them*

All of the above described properties are in our immediate vicinity. It is reported that the Florence district turned out in the 60's and 70's over \$300,000,000 in placer gold.

As will be noted by the Articles of Incorporation of the Big Idaho Mining and Development Co., it is essentially a development Company. It now owns the four district properties herein described and has opportunities of obtaining other valuable prop-

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erties. Being located only twenty miles from Thunder Mountain and in the heart of perhaps one of the richest mineral areas on the globe, it has opportunities for enlarging its possessions beyond the conception of realization from any description that we might give. The properties now possessed and owned by Big Idaho Mining and Development Co. have been acquired and equipped at great expense and is now in a dividend earning condition. Although we shall be able to capture something over \$500 per day in gold from Property No. 2, this gold cannot be cleaned up until the end of this season and will be available for dividend paying as soon as the Company can get its returns from the United States mint upon the deposit of its gold bullion. It being absolutely necessary that the Company should increase its capacity for obtaining gold from Property No. 2, that we may obtain, perhaps \$1,000 per hour in gold; and it is equally necessary that we equip Property No. 1 without delay, so that we can handle 10,500 cubic yards of gravel, thus increasing our income by nearly \$5,000 per day, and it also being equally necessary and important that we begin the erection of a milling plant for the great quartz lode claims, all of which improvements, additions, equipment, milling plant, labor account and all of the necessary expenses attending the running of a business of this magnitude requires money, which must be provided, it now being the only factor necessary in its use to bring this Company to a dividend earning capacity of at least \$10,000 in gold per day.

To obtain the necessary funds quickly to do and perform these things enumerated above, and in addition thereto to meet all obligations, bills and expenses that may accrue the coming year upon the properties already in our control and under our ownership, it is found to be necessary to offer for sale our treasury stock.

Big Idaho Mining and Development Company is a corporation formed under the laws of the State of South Dakota, having an authorized capital of \$3,000,000, composed of 3,000,000 shares, par value of which is \$1.00, being fully paid and non-assessable. Five hundred thousand shares of this stock is set aside for treasury purposes, which are now offered for sale.

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The Company will pay its first quarterly dividend on Oct. 1st, of this year, 1902, of 1 per cent. per month on its par value; thus the dividends will date from July 1, but will be paid Oct. 1st, being the end of the first quarter. Thereafter all dividends will be paid quarterly according to profits made. Should this stock be sold fast enough to enable the Company to install its equipment on these different properties without delay, it is within the range of probabilities that we can obtain sufficient results this season, from our now unproductive properties, that we may have the pleasure of giving a happy surprise to the stockholders Oct. 1st in a dividend even beyond the quarterly dividend of 3 per cent. We not only ask you to send in your remittance, but to call this to the attention of your friends. No less than 50 shares of stock will be sold to any one person.

The directors and officers of this Company are not made up of millionaires, but on the other hand are composed of hard-headed, hard-working progressive men who believe in living and allowing others to live. The value that our stock may have is based upon two things: First, the immense value of our property; second, upon the integrity, experience and push of those who are in control. It will be seen that should our anticipations be realized to a reasonable degree another season's work will so fill our treasury that we may be able to declare a dividend of from 50 to 100 per cent. on the face value of our stock, but surely a dividend of 1 per cent. a month is assured and guaranteed.

All remittances should be made by draft, Post-office Order, or Express Order, to Robert Linn, Manufacturer of Mining Machinery, and Fiscal Agent, No. 513 Home Insurance Building, Chicago, Ills.

Blank orders to be filled out by the applicant are enclosed herewith.

Profits that can be reasonably expected during this season, 1902. Property No. 2, now running, is throwing into the sluice boxes gold nuggets of about \$500 per day in value. A conservative estimate of 100 days for the season will yield \$50,000.

The proposed improvement to be made on Prop-

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erty No. 2 will likely be finished July 20, and may permit of 30 days' work being done this season, and although the manager thinks he may turn out \$1,000 gold per hour, allowing for delays and stoppages during the first 30 days' work, we will make the estimate of the daily product \$1,000, which results depend upon the length of the season, this would yield \$30,000.

Property No. 3 can produce from May 1 to Sept. 1, being 120 days, \$75 per day net, which would yield \$9,000.

Additional capacity installed by Sept. 1 will produce a net result of \$500 per day, which would give us 8 months' work until May 1, 1903, which would yield \$120,000, showing a net profit to May 1, 1903, of \$209,000.

This would equal a 7 per cent. dividend on the entire capitalization, leaving a balance in the treasury of \$19,000.

With all of the improvements and developments now laid out to be done, and the same being accomplished this season, we can look for a net profit during next season of more than \$10,000 per day.

The Company propose constructing in sections a 1,000-ton milling plant, and when this shall have been completed it will produce a daily product in gold, above all expenses, of \$5,000. This mill can be run the year round. A milling plant of this capacity will yield a 50 per cent. dividend on the entire capitalization of the Company.

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Property No. 1 contains gold values in nuggets in sight, \$21,600,000.

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Property No. 3 contains in gold nuggets in placer, \$1,500,000.

The Union Quartz Group, Property No. 4, shows ore in sight to the value of \$240,000.

Investors in this stock will have an interest in property having an estimated value of \$325,000,000.

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