

Mines and Mining.

WERE GOLD BRICKED

CLEVER SCHEME BY WHICH ONE MAN WORKED OTHER MEN.

HE COULD BEAT FIRE TESTS

Drew \$208,000 From the Purses of Credulous Persons After the Trick Had Been Laid Bare to Them.

In view of recent events, the letter following by I. M. Taylor, one of the oldest and most noted mining engineers and metallurgists of the Pacific coast, also celebrated in New York and Washington, will be of peculiar interest to Colorado and Montana miners and scientists, says the Denver Post. As the facts stated were matters with which he was officially identified they may be accepted without question. The letter was written to a personal friend in this city, from whom the Post obtained it.

New York, Nov. 24.—In 1880 a man by the name of Tichenor appeared in Washington, D. C., and claimed that he had made the greatest discovery of the age, one which would in a short time revolutionize the money system of the world. He claimed that he had just discovered nature's process for making gold, or, in other words, he had discovered a process which enabled him to extract from gold ore \$500 per ton, when the fire assay of the same ore showed only from \$3 to \$10 per ton; and that he could do all this without involving extra expense in extracting the gold.

Had Nothing to Sell.

Strange as it may seem in the light of subsequent events, Tichenor had no trouble in finding many believers in his process among the best classes of men in Washington, who stood ready to put up their money in exchange for an interest in his process—had all the time telling them that he had nothing to sell, which, of course, made them all the more anxious to buy.

The Smithsonian Institute was called upon to investigate the process. They rendered a report which was non-committal; evidently they had been "salted" by Tichenor or one of his associates. This report had a tendency to increase the confidence of the public in the process.

Then a man named Schaffer, from New York, got an option from Tichenor, agreeing to pay \$500,000 for the control. He returned to New York and laid the matter before some leading mining men. These men agreed to take it subject to an examination by their own expert. I was selected to proceed to Washington immediately and make a thorough examination and report without delay.

It Was a Great Secret.

On my arrival in Washington I found Tichenor and two confederates in a well-appointed laboratory. I handed my letter of introduction to Mr. Tichenor, which explained my business. He inquired if I wished to see a test made of the process. I replied that what I wanted first of all was his formula. To this he objected, saying it was a secret.

He finally told me that he used chloride of gold as a re-agent; that the solvent gold which the ore contained which the fire assay would not bring out had

affinity for the chloride of gold. By using it in the treatment he was able to get out all the gold the ore contained. I then asked him what amount of chloride of gold he used. He replied, about 700 milligrams to a pound of ore. I then told him that was all I wanted to know, and walked out of the laboratory. The manner in which he practiced the deception was by weighing out in your presence a given number of milligrams of the chloride of gold and this you would see him put into the crucible. The flux he used in making the assay, however, he would have charged with the chloride, which enabled him to show any increase he desired above the amount of the fire assay.

Told Them It Was a Fraud.

I wrote a letter to the New York parties and without going into details, told them that the whole thing was a fraud from beginning to end; that their own common sense would tell them it would be impossible for there to be anything in gold ore that a chemical analysis would not disclose, and that anyone who claimed there was and tried to make others believe it was a fraud, trying to play on the credulity of the public for the purpose of making money by a premeditated swindle.

From Washington I went to California, thinking I had heard the last of the Tichenor swindle. At the end of three months I returned to New York and to my surprise found that Tichenor had succeeded in convincing my friends that his process was all he claimed for it, and that they had incorporated a company with a capital of \$25,000,000 and had applied for a patent on the process. What they claimed in their application for a patent was so unreasonable the patent office refused to grant a patent. Sherman was at that time secretary of the treasury and they applied to him to have an investigation made.

Exhibits Gold Bricks.

I saved them all this trouble. The thing which troubled them most was the fear that when the great discovery became generally known the value of gold would depreciate. They determined to keep the process secret as long as possible, which would enable them to regulate the output of gold. To this end they appointed a committee to call on me at the St. James hotel. They informed me that I had made a grave mistake in my report on the Tichenor process, but they wanted to give me one more chance to change my report before it was too late. They said they had demonstrated the success of the process by working a number of tons of ore, and that if I would come to the office they would show me the gold bricks. They also stated that in no instance did they get less than \$300 per ton more than the fire assay showed.

I went to their office the next morning, where they opened the safe and showed me a stack of gold bricks, ranging in value from \$10 to \$500. The weight and fineness was stamped on each brick, and they were all nearly pure gold. I saw at a glance that these bricks had all been made from the chloride of gold. I then asked them how and where they made the gold. They took me to their laboratory, which was located in a building on John street. The outside of the building looked very much like a prison, and it was only after considerable delay that we were admitted. I there found the same three "alchemists" I had met in Washington.

How the Work Was Done.

In the center of one of the rooms I found a tank lined with porcelain, which would hold about a ton of ore. It was in this tank that the mixing was done. They would first put the ore in the tank,

and then weigh out the amount of chloride of gold which they claimed to be necessary for the treatment and mix it with the ore. A pipe was connected with the tank from the outside of the building, so arranged as to enable them to force the chloride in solutions into the ore. In this way they were able to make the ore assay whatever they wanted it to go above the assay before treatment. The ore, after being mixed in this manner, was sent to the Babcock Refining works, where the gold was taken out and the bricks put on exhibition. The company offered to turn the laboratory over to me in order that I might make any test I desired. I told them this was not necessary. I finally said to the three "alchemists" that I would be there the next morning at 10 o'clock in company with two other parties, and they would then be required to show up their process to the satisfaction of all concerned, otherwise I would have them all behind the bars before night.

Last of the Alchemists.

When we arrived the next morning the place was closed, and that was the last of the Tichenor process. The company lost \$208,000 in the venture, and all they had to show for it was their experience.

Finally I will state as a general principle that a man who claims to have discovered a process that enables him to take from a ton of gold ore from \$100 to \$500 more than the fire assay shows does not deserve any more consideration or respect than one who may claim that he has discovered a chemical process whereby he can manufacture potatoes for 5 cents a bushel and put them on the market in competition with the farmers. A careful fire assay will bring out all gold found in quartz, no matter in what form the gold may be.

NEW COAL MINE.

It Is Being Opened by the Northern Pacific Company.

The Northern Pacific Railroad company is opening up some coal lands between Bozeman and Livingston and is making a good showing. The vein is 11 feet wide and has been explored a distance of 200 feet. Two carloads of the fuel are now ready for shipment to the East where it will be tested, as it is not yet known how good it is although it looks like a first-class article. It is the intention of the company to make a mine of the deposit if possible. The coal supply for the Montana portion of the road is now obtained from the mines at Red Lodge, but the transportation charges from Laurel to Muir are high, amounting to about a third of the cost of mining it.

OVERLOOKED A BET

TWO HUNTERS DISCOVER GOLD NEAR MISSOURI RIVER.

THEY DID NOT CARE FOR IT

Wolf Pelts Had the Call on Their Ambition—Their Apathy Equals That of Bill Rodgers, the Wyoming Cowboy.

Two wolf hunters from the Missouri river dropped into Great Falls a few days ago and reported that while knocking about in the vicinity of Portage Coulee, 21 miles from Great Falls, they had struck gold in the gravel there. They expressed the belief that the ground contained the yellow metal in paying quantities, but as they were after wolf hides and knew more about them than mining for gold they expected to continue the hunting of hides and allow someone else to sluice the gold.

The story of these men is not unlike the one told by Bill Rodgers in this city about a year ago. Fifteen years ago Rodgers was a cowboy in the vicinity of the Black Hills of South Dakota. One day while riding the range he ran across a spring of oil. He stopped and greased his boots with some of the oil and then rode back to the home ranch, 25 miles away.

"Where did you get that shine?" asked another cowboy as Bill waded into the corral.

"Found it out on the prairie," replied Rodgers. "I was out looking for mavericks and just sighted it accidentally."

At intervals for several months after that Rodgers and other cowboys visited that "shine" spot and softened the leather of their boots with the oil, but it never occurred to them that they were overlooking a good thing by not locating the ground for oil and coal purposes. News of the discovery soon penetrated the mining districts of the Black Hills and one day when Rodgers dropped down to get another shine he found the spring located. Since then wells have been sunk and oil struck in large quantities. A town has sprung up near by and a coal mine opened not half a mile from the wells.

But Rodgers was looking for mavericks worth at that time about \$20 each and did not care to be handicapped by

million dollar oil wells and coal mines with a few choice town lots in Rodgersville thrown in on the side.

DO NOT LIKE NOTORIETY.

A Member of the Corundum Company Speaks of the Mines.

L. S. Ropes, mining engineer and general superintendent of the Montana Corundum company, was in the city Monday and states that work at the mines of the company is progressing rapidly and satisfactorily, says the Bozeman Chronicle. Speaking of the suit recently entered by Prof. Traphagen and others against Mr. Kirk who recently turned his property over to the company, he said that he had no fear of the outcome and it would in no way retard the operations of the company which is now doing considerable development work on the land

in question. Mr. Ropes further remarked that his company did not enjoy some of the sensational advertising they were getting in the state press about the marvelous wealth they had uncovered. The substantial prospects of the company were gratifying to the stockholders, and good enough, but some of the fairy tales printed about the subject gave them no satisfaction, but rather the reverse. "The company is modestly and legitimately capitalized and its owners confident that they have a good investment," said Mr. Ropes. "and that is all we care to have said about it. For the rest, working the deposit as we propose to do, our claims will soon have their solid foundation demonstrated or disproved, and we are not worrying about that part of it any more than we are figuring on suddenly becoming multi-millionaires."

The Blood HEALTHY OR DISEASED

When there is a natural and healthy circulation of the blood, the entire quantity, estimated at one-eighth the weight of the body, passes through the heart every five minutes. This rapid flow of the blood through the system prevents the entrance of disease germs and impurities of every description. It filters out all that is not necessary or good for the growth and development of the body and nourishing and strengthening the muscles, tissues, nerves and bones. But, unfortunately, few persons can rightly claim an absolutely pure blood supply and perfect and unpolluted circulation, and in consequence are exposed to innumerable diseases. Contagious Blood Poison, the greatest enemy to mankind, enters the system through the blood, and Cancer, Scrofula, Rheumatism, Gout, Eczema, Salt Rheum, Psoriasis, Tetter—in fact the majority of human ailments—are caused by poisons or humors that are engendered and fostered in a sluggish and impoverished blood. Old sores, chronic ulcers and rheumatic pains are common, especially among old people, whose blood naturally grows thin and pale because of the lack of the red corpuscles that give color and strength to youthful blood. Sallow complexions and rough, oily skins evidence some constitutional or blood trouble, which salves, lotions, powders nor any external treatment can cure. Diseases that originate in the blood, whether they manifest themselves as ulcers, tumors, itching eruptions, muscular or bone pains, require a tonic and blood purifier such as S. S. S., which not only antiseptics and neutralizes blood poisons and humors, but possesses health-giving tonic properties that no other blood medicine does. It goes down to the very foundation of the disease and eliminates from the system everything of a poisonous character or that obstructs and clogs the circulation. It builds up and imparts new strength and vitality to the old, insatiable blood, and when the arteries and veins are once more filled with new rich blood, the general health begins to improve, muscles grow stronger, and sores and eruptions of every kind disappear.

S. S. S. is the only guaranteed purely vegetable blood purifier, and the purest and most reliable in all blood diseases. It has been tested in thousands of cases during the past fifty years and is more popular today than ever. We will be glad to send you our book free, and if in need of medical advice write our physicians all about your case; this information will cost you nothing and comes from experienced and educated doctors. All correspondence is conducted in strictest confidence.

Polluted Blood Breeds Disease

The Blood is the Source of All Strength

THE SWIFT SPECIFIC COMPANY, ATLANTA, GA.

New Full-Back Long Overcoats, Only \$15.00

Men's Heavy Fleece Underwear Only . . 35c

The Connell Store

Men's Wool Overshirts Ties to Match Only . . 65c

Saturday is Men's Day at Connell's

WE place on sale to-morrow extraordinary values in Men's Wear--Clothing, Underwear, Gloves, Overshirts--It is scarcely necessary to tell you that there is something about "Connell" garments that makes them look different from others--a finish, a touch that shows care and skill. Remember always, that the name of "Connell" stamped on a garment, gives it a standard of merit.

THE THOMPSON COMPANY

FOR SALE Houses and Lots	FOR RENT
4-room new house, near Gagnon mine, easy payments \$1350	6 rooms, East Side, brick \$25 00
4-room new house on California, near Jackson 1300	4 rooms, modern, Platinum St 20 00
4-room house, Waukesha St., on street car line to Walker-ville, new 1000	3 rooms, 742 S. Main, brick 18 00
All sold on easy payments.	6 rooms, modern, near in, brick 45 00
	5 rooms, Franklin street 23 00
	5 rooms, Franklin street 18 00
	4 rooms, 235 North Washington, brick 30 00

Insurance, Real Estate, Loans
15 West Broadway. Butte, Montana

THE WORST TEETH CAN BE SAVED . . . ;

If you have a sound root I can save the tooth, some way. If you have a tooth out in front, I can put in one that looks so like the natural ones that your best friends can't tell which is which. No matter how bad your teeth are gone, I can give you a nice looking mouth, as far as teeth are concerned.

****X****
DR. E. E. GERMAN 114 1/2 N. Main Butte, Mont.

Don't....
Let a cold run on. It is dangerous. Break it up in one night with **Golden "C" Cure**
Fosselman Drug Store, 43 E. Park

25c package Bile and Kidney Tea.....
A great Herbal Tea, once tried always used. For constipation, bowel and kidney troubles.

Men's Fine Overcoats

We cannot undertake to describe our immense stock of overcoats. All we can say now is that every overcoat (2500 in all) in our store is up to our own high standard of excellence.

\$12.50 will buy a good heavy warm overcoat, considered elsewhere good value for \$18.00.

Our \$15.00 overcoats are made in the latest style--full back, extra long. They are not as fine as our \$25.00 overcoats, but they are made quite as well.

Fur Overcoats at \$20 to \$50

If you want an overcoat you will not do yourself justice unless you look through our vast variety. You can feel that style and quality as well as price are always correct in the Connell store.

Men's Fine Clothes

We hesitate to say how many different styles of winter suits we can show. The number is so large that in cold type it may look doubtful. However, we promise to please you in style and color. Our price will appeal to your judgment without argument.

For \$18 to \$22.50

We will sell choice of 500 tailored suits in plain, check, stripe and mixture, chevrons, tweeds and cassimeres. Made to order will not fit better. These are suits which in the usual course would sell for \$25.00 and \$30.00.

Big Bargain

We will place on sale tomorrow at \$1.00 two cases (120 dozen) of men's all wool cashmere finish underwear, natural gray and salmon. These garments would be excellent value at just double. We happened to strike the mill when all were sold except these two cases. Think of it--only

A Dollar--\$1.00

Men's Overshirts

As this is a warm sale, we will offer our entire stock of overshirts at reduced prices.

BLUE flannel overshirts, single and double breasted, at \$1.00 each.

Men's black sateen overshirts at \$1.00, lined throughout.

Moleskin overshirts, double front and back, at \$1.00 each.

Men's Kid Gloves Silk Lined, only 95c

When you want to buy gloves you are not limited to a few pair from which to select. We have 100 styles--every one perfect of its kind.

Men's black Jersey knit gloves; the 50c grade tomorrow 25c.

Men Mocha castor gloves, 75c a pair.

Men's buck gloves and mitts, \$1.00 a pair.

Men's driving gauntlets, \$1.50 a pair.

Lambs' Wool Socks

Socks, to do service, should be shaped to fit the foot. Common grades are not so finished. We will place on sale tomorrow fine lambs' wool socks, really worth 50c.

At 25c a Pair

You will find them cheaper in the long run than the lower grades.

Few Shoe Words

FIRST--You can get the celebrated "Hanan" shoes from us, and from no one else in Butte.

SECOND--You can get the "Perfection" shoes from us and from no one else in Butte.

THIRD--You can see more rubber goods (shoes, etc.) in our store than in all others in Butte. Wholesale and retail.

Connell's Perfection Shoes Are Only \$3.50 pr.

M. J. CONNELL COMPANY

Connell's Working Shoes Are Only \$1.50 pr.