

Mines and Mining.

LARGE LUMP OF GOLD

IT WAS FOUND IN ALDER GULCH A FEW DAYS AGO.

IS VALUED AT ABOUT \$1400

Particulars of the Find Not Given Out by the Lucky Finder—The Nugget Melted Into a Brick in Helena.

A gold nugget that weighed 82.48 ounces, Troy weight, was melted at the United States assay office today, says the Helena Herald. It was the largest piece of virgin gold ever received at the local assay office of the government and probably one of the largest nuggets ever found in the world. Its exact value had not been estimated at a late hour this afternoon, but the experts at the assay office said it would be about \$1400.

The nugget was brought to the assay office by Thomas Raymond, who informed Assayer E. H. Tate that he had taken it out of diggings in Alder gulch. He says he found it at bed rock.

Bankers Tried to Buy It. The nugget was several inches in diameter. An effort was made by a local banker to buy it for exhibition purposes, but an agreement could not be reached as to terms since its intrinsic value could not be known until it had been assayed. The gold brick that was made from the nugget is about four inches long and one inch thick.

Mr. Raymond was not disposed to furnish particulars respecting the exact spot where the nugget was found or circumstances under which he uncovered this remarkable piece of treasure.

It is understood that it was found on bed rock in the old diggings at the extreme lower end of the gulch. Many old placer miners when told of the size of the nugget seem skeptical about its having been found in Alder gulch, their recollection being that Alder gulch gold was fine, very few nuggets being found.

SARATOGA CLAIM SOLD.

Said to Have Been Bought by a New York Syndicate.

According to recent reports, the Saratoga claim, located at the East side of the flat, has become the property of a New York corporation headed by Edward Burton, president of the Eagle Savings & Trust company of Brooklyn.

and Woodford S. Brooks, a New York capitalist. The corporation owns mines in Montana, Colorado, California, Arizona and South America, and is said to be one of the large concerns of its class in the country. Carl Heinschmidt, Jr., of Helena is its Montana representative, and it was through him that the Saratoga was taken in out of the cold. The property was owned by Mr. Henig of Helena and Mr. and Mrs. F. V. Sheuer of this city.

The corporation, it is understood, intends to develop the claim and commence the work as soon as possible. What the ground contains in the way of wealth is not known, but like many other prospects on the East Side it has a good surface showing and may develop into a mine. So far, however, it has produced nothing large, probably because it has not been developed to any great extent.

TENNESSEE COPPER.

Smelter Running Full Blast and Ten Years Are in Sight.

An official of the Tennessee Copper company says: "The capital stock of our company is \$5,000,000, consisting of 200,000 shares of a par value of \$25 each. Only 175,000 shares have been issued."

"One of the company's new smelters began operations in September, 1901. The ore averages between 3 and 3 1/2 per cent copper, and at present 1,000,000 pounds of copper are being produced each month. The cost of production is in the neighborhood of 8 1/2 cents per pound. There is sufficient ore in sight to keep the smelters in operation for 10 years."

"With copper at 12 cents per pound the company should earn not less than 6 per cent during the year 1902. The stock is very closely held, over 100,000 shares being owned by one member of the Lewisohn family."

REPORTED STRIKE OF ORE.

It Is Said to Have Been Made on the Cora Claim.

It is reported that a body of ore has been struck at a depth of 1000 feet on the Cora claim, located on the hill northeast of the center of the city. Sinking has been in progress on the property for several months.

Will Soon Be Released.

London, Jan. 11.—The release of Miss Stone by the brigands who have held her in captivity since September 3 is believed to be only a question of hours. An official telegram received in London this afternoon, which was dispatched from Constantinople after midday today, says that the release of Miss Stone is imminent.

PROSPECTS FOR OIL

MONTANA OIL & FUEL COMPANY IS HIGHLY PLEASED.

MAY STRIKE FLOW AT 500

All of the Conditions Encountered in Pennsylvania Found in the Smallhorn Field—Well Borings Greasy.

F. H. Wilson, who has charge of the drill operated by the Montana Oil & Fuel company in the Smallhorn canyon, was in town Tuesday night, says the Dillon Examiner. He says there is no longer any doubt that oil will be struck in the Smallhorn field in paying quantities, and it is now only a question of a few hundred feet until either a gusher or a pumping well will be drilled into. Speaking of the seepages which have recently been found and which have created widespread attention, he said that when the drill was closed down Saturday night the signs of oil were most apparent. It is the custom to deposit the drillings which are pumped out after each temper screw in a bucket of water. For a day or two before, oil indications were becoming more and more apparent, but on Friday they became even more so, as the sand, after being placed in a bucket and a little hot water poured in, gave unmistakable signs of the presence of petroleum, great, black, oily globules rising freely to the surface, so that almost the entire surface of the vessel was soon covered. A slight cave-in in the well occurred, and it was deemed best to cease the well for fear of future trouble, and drilling was suspended until the casing was put in and other necessary repairs made. Last evening, however, steam was again gotten up, and the drill is once more pounding its way to tap the oil lake which it is now considered certain underlies Smallhorn canyon.

Similar to Pennsylvania. When the drill was temporarily shut down Friday evening it had reached a depth of 235 feet, and it was drilling in sand rock. While the machine was shut down a new cable was applied on, and it is now thought that a depth of 500 feet will bring the drill into oil in paying quantities.

Mr. Wilson, who is in charge of the drilling, has had many years' experience in the oil fields of Pennsylvania and New York and is more than a little pleased with the prospects presented. He says all the conditions encountered in the Pennsylvania fields are present in the Smallhorn section. The same oil-bearing shale is found in both places. The same Trenton limestone is found and the same oil seepages as were encountered Friday in the well on the Stolle placer were encountered when the wells were sunk in Pennsylvania.

May Strike It at 500 Feet. B. J. Fine, who is in charge of affairs for the company, said last evening: "We expect to encounter oil in paying quantities by the time the 500-foot mark is reached. My reason for thinking this is that there is an immense shale belt which traverses the country dipping at an angle which will allow us to tap the oil sands which underlie it at about this depth. The oil seepages, encountered Friday bear out this theory—that the oil is exuded from the near-by shale. The 500-foot mark will undoubtedly bring us into oil, and no one who has anything to do with the work in Smallhorn, who has kept a tab on the geological formation of that section, would be surprised to see the drill drop into the oil lake at any minute."

Various Formations Encountered. For the first 35 feet the well was drilled through surface earth. Then bedrock was encountered, after which the drill entered a red, burnt shale and continued in this substance for 25 feet, when it entered a Trenton limestone. This material was formed in the cretaceous period and a remarkable factor of it is that the fossils found in it are harder than the lime matrices. This was found to be the case in Smallhorn. The lime itself came up in a mushy, pulpy substance, but the fossils, in many instances came up intact and many good specimens were sent to Butte for examination by experts, who pronounced them to be the true fossils which are always found in Trenton lime. This Trenton lime lasted until the drill had reached a depth of 175 feet, or 128 feet of that substance, when it gave way to nine feet of sand stone, which in turn was replaced with 20 feet of soft, blue shale. After this came strata of clay and limestone in which the oil seepages were found. When the drill was hung up it was merrily pounding away in a soft sand stone.

General Charles Warren returned to Butte Sunday evening, after a brief visit to Dillon to look after the prospects of the company and the truth of the reports which have reached Butte about the oil strike. He was enthusiastic over the prospects and stated when asked for an interview that everything was pointing out in Smallhorn exactly as it had been predicted by Prof. King of the Butte school of mines before a drill had ever been started in Smallhorn canyon.

FLOOD OF DISTRICT DIVORCES.

Washington Governed by New Code After First of the Year.

(By Associated Press.) Washington, Jan. 11.—The climax in the almost unprecedented number of petitions for divorce filed in the district court during the month of December was reached today, when 47 pleas for separation were filed on record.

Thirty-seven petitions were filed yesterday, that number far exceeding the previous record of 12, made on the day before Christmas, when, however, the court held only a half day's session.

The flood of petitions during the last month is caused by the fact that on January 2, the first working day of the new year, the new district divorce code, a much more stringent measure than the statute now on the books, will go into effect and divorces will be granted practically only on grounds of infidelity.

Jamaica's Dwindling Trade. (By Associated Press.) Kingston, Jamaica, Jan. 11.—At a meeting of merchants just held here it was decided to take steps to appoint a commercial agent in England with the view of improving the dwindling trade of this island. The merchants are acting with the government.

OPHIR TO BE WORKED

COMPANY OF BUTTE AND EASTERN MEN ORGANIZED.

WILL START IN PROPERLY

Mine Is Located in the Southern Part of the City and Has Not Been Worked Much Since the Summer of 1893.

In all probability the Ophir claim at the foot of Dakota street will soon be in operation again, as a company has been formed for the purpose of working the property. It is known as the Ophir Mining & Developing company. The incorporators are W. G. Young, Fred Harris and Arthur B. Clark of Butte; J. T. Morrison of Racine, Wis., and M. Newberger of Chicago. The capital stock is \$200,000 in shares of \$1 each. The principal office of the corporation will be in this city.

Mine Is an Old One. The Ophir mine is one of the oldest in the district and has yielded considerable gold and silver. With the exception of a few months, however, it has not been worked since the drop in silver in 1893. In that year it was under lease and bond to Frank Lawson, who went to Boston for the purpose of enlisting capital to take up the bond, but before matters could be brought to a head silver began to slide downward and it prevented Mr. Lawson from realizing his hopes.

Threw Up the Sponge. About a year and a half ago some Kansas City men interested themselves in the property and began pumping the water from the old workings, which are about 500 feet deep, but before the task was finished they let go and operations were suspended once more. The property has been idle since then.

There are men in Butte who think the Ophir can be made to pay and it is to demonstrate the sincerity of this belief that the company has been formed.

There are two or three large veins in the property and when the price of silver was good they yielded ore that netted handsome returns in both gold and silver, as all of the ore in that section carries a large percentage of gold.

When the new company takes hold of the mine there will probably not be another suspension for many years.

CHANGE OF SIGNALS URGED.

Dispatchers Want Colored Lights in Engines and No Written Orders.

(By Associated Press.) Chicago, Jan. 11.—Train dispatchers of the country want all possibility of collisions removed by the abolition of the present system of train orders and of signals that may be unseen. It is proposed to substitute colored electric lights in the engine cab, signals that always can be seen and never can be misunderstood.

Among those who urge a change is A. C. Miller of Aurora, chief dispatcher of the Chicago, Burlington & Quincy railway. He suggests that several disastrous wrecks in the last 30 days were due to the misunderstanding of written orders, and insists that written orders never should be used. The placing of "block" signals along the track at this day, when trains of 10 cars run 80 miles an hour, is held to be unsafe, as they cannot always be read by the engineer when going at such speed.

"Automatic blocks or lights in the engine cab," says Mr. Miller, "mean just two things: When they are clear white the train should proceed; when they are red the train should stop. There should be no written orders."

The system of movable blocks or lights in engine cabs is being installed on the Chicago & Eastern Illinois railroad, chiefly through the efforts of Mr. Miller, who took the initiative in bringing the system to perfection.

SILENCE IN STONE CASE.

Consul Dickinson Complains and Official News is Shut Off.

(By Associated Press.) Washington, Jan. 11.—The state department declines to furnish any more information regarding the case of Miss Ellen M. Stone, the American missionary who is held captive by Bulgarian brigands.

This policy of silence was requested by Mr. Dickinson, the United States consul general at Constantinople, who has complained that the brigands were receiving information as to what had been published about the case in the American newspapers and had obtained the idea that continued agitation in regard to the release of Miss Stone would bring more contributions to the ransom fund raised here.

St. Louis Officials Arrested.

(By Associated Press.) St. Louis, Jan. 11.—Mayor Rolla Wells, Harry B. Hawes, T. R. Ballard, Andrew Long and W. G. Frye, members of the board of police commissioners, appeared before Judge O'Neil Ryan of division No. 3 of the circuit court today to answer to the charge of contempt preferred as a result of the arrests of the proprietors and employees of the Southern Telegraph & Money Order company last Saturday. The arrests were made a few hours after Judge Ryan had granted a temporary injunction restraining the police board from raiding the telegraph company's place.

BIDS WANTED.

Notice is hereby given that sealed bids will be received by the city council of the City of Butte for the furnishing of lumber to the city of Butte for one year. A certified check or cash in the sum of one hundred (\$100.00) dollars must accompany each bid, which will be considered as liquidated damages for breach of agreement, if the requirements in the way of contract and bond shall not be complied with within 10 days after the award has been made. Contract and form of bid may be seen at the office of the city clerk in the city hall.

All bids must be in writing and must be filed with the city clerk at or before 7:30 o'clock p. m. January 15, 1902. W. K. QUARLES, City Clerk. Dated January 9, 1902.

BEST FOR THE BOWELS
Cascarets
CANDY GATHARTIO
THEY WORK WHILE YOU SLEEP
GUARANTEED CURE for all bowel troubles, appendicitis, biliousness, bad breath, bad blood, wind on the stomach, bloated bowels, foul mouth, headache, indigestion, pimples, pains after eating, liver trouble, sallow complexion and dizziness. When your bowels don't move regularly you are sick. Constipation kills more people than all other diseases together. It is a starter for the chronic ailments and long years of suffering that come afterwards. No matter what ails you, start taking CASCARETS today, for you will never get well and be well all the time until you put your bowels right. Take our advice, start with Cascarets today under an absolute guarantee to cure or money refunded. Sample and booklet free. Address Sterling Remedy Company, Chicago or New York. 502

GRADES AND CURVES

BALTIMORE & OHIO SYSTEM ARE MAKING IMPROVEMENTS.

SPENDING SEVERAL MILLIONS

Every Branch as Well as the Main Line Will Receive Thorough Overhauling—President and Staff Recently Made Inspection.

(By Associated Press.) Chicago, Jan. 11.—Improvements to be made on the Baltimore & Ohio system during the year will cost at least \$50,000,000. A large portion of this sum is to be expended on the lines west of Pittsburgh and Chicago.

This large sum of money was determined upon after a careful inspection of the system by President Loree and staff, followed by a detailed estimate by the engineering and operating staffs of what the system needs to place it in perfect physical condition.

Accordingly, it is announced that President Loree's budget for the current year fixes the total sum for betterments to the system at the figure mentioned above.

Less than two years ago the Baltimore & Ohio management began the physical regeneration of the system by appropriating or determining to spend \$25,000,000 for betterments. At that time the sum was almost unprecedented in connection with road betterments for one year. Later it found that the work contemplated could not be done for the sum mentioned and the appropriation was increased to \$40,000,000. Later another \$10,000,000 was raised by special bonds, bringing the total sum up to \$50,000,000.

The acquisition of new lines and the consolidation of the system has made it advisable to appropriate an equal sum for improvements, bringing the grand total for the system within two years to \$100,000,000.

Will About Rebuild the Road. In considering the matter of improvements, the Record-Herald assumes that the Pennsylvania management is back of the latest move of the Baltimore & Ohio system. The Pennsylvania's budget, recently made up, contemplates an expenditure for betterments and new terminals of nearly \$100,000,000, so that the Pennsylvania interests have in reality decided that a total of \$200,000,000

will put into good condition the two systems, which comprise their main property. It is asserted that considerable portion of the sum recently determined upon for the Baltimore & Ohio will be spent on the Pittsburg & Western, the most recent of the Baltimore & Ohio acquisitions. As a connecting link to the West, and as an outlet to the lakes, the property is one of the most important of those under Baltimore & Ohio control.

Grades and curves, which have proved a menace to large trainloads, will be eliminated and the property practically rebuilt. The Cleveland, Lorain & Wheeling, the little Kanawha, the Ohio River and other properties of the system will be given a thorough overhauling.

MAY HAVE THEIR BEER.

No Limit Placed Upon Amount of Liquor Drank at Harvard.

(By Associated Press.) Cambridge, Mass., Jan. 11.—Harvard, as well as the Massachusetts Institute of Technology, is to have German kammers with lager, ale and claret. The trustees and house committee of the Harvard Union have voted to allow undergraduates to drink these beverages in rooms of the building when meeting as an organization.

There is absolutely no limit placed on the number of kegs, bottles and cases that can be ordered. It is stipulated, however, that none of the fluids can be saved for later occasions—all must be drunk, given or thrown away before the last student leaves.

The liquors must all be ordered in the name of some officer of the organization, who will be held responsible therefor. Graduates can be served with drinks individually without coming under the organization clause, and practically anywhere in the building outside the library.

Several dinners that students had arranged for Boston hotels have already been called off, and lamenting is hard among bonitacs. The action has the approval of the college authorities, for the union is virtually under the thumb of the university overseers.

Gives Farewell Dinner.

Washington, Jan. 11.—Henry G. Payne, whose arrival has been delayed by the death of a friend in Milwaukee, will qualify as postmaster general and assume his new duties either Tuesday or Wednesday of next week. He will reach here Sunday. Postmaster General Smith will give his farewell dinner to the president and cabinet on Monday evening, after which he will be ready to yield the office to Mr. Payne and return to his editorial duties in Philadelphia.

We Invoice Feb. 1st

Special Prices on Lap Robes and Horse Blankets Before that Time.

J. N. NEVILLS & CO.
Phone 686A 106 E. Park St.

The Connell Store

Open Tonight
Until 10 o'Clock

M. J. Connell Company

A Bargain—\$1,100

An almost new 4-room frame house in Gagnon addition. Will rent for \$20.00 a month. Best renting property in Butte on account of proximity to mines.

On Easy Payments.

THE THOMPSON COMPANY
Insurance, Loans, Real Estate
15 West Broadway. Butte, Montana

DISFIGURING TEETH

Can be remedied by a skilled dentist. For years I have been repairing teeth, making new teeth, and improving the facial expression of men and women by repairing their teeth or making them new teeth that imitated the natural so as to deceive their relatives and friends.

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

Golden C Cure

Germicidal

In used by some of the most eminent specialists in the country. In the months of November and December last year 600 gallons have been used in the city of New York as a specific for Consumption, Pneumonia, La Grippe. \$1.00 a bottle. All druggists.

Hair and scalp diseases radically cured by the famous

Cranioil

Dr. Matternich, Vienna clinics. Stops falling hair, kills the dandruff cause, prevents baldness. No wood alcohol. \$1.00 a bottle.

Fosselman Drug Store, 43 E. Park

IF YOU WANT A CHANDELIER

For your new residence, office or store, we have them. In fact we are overstocked, and will make unusual inducements to prospective buyers.

Montana Electric Co.
53 East Broadway