

NEWS OF MONTANA CAMPS

MINES AND MINING

STORIES OF PROSPECTS AND PRODUCERS

VIPOND NOT DEAD

ARCHIE M'INTYRE IS DEVELOPING FIVE CLAIMS THERE.

STAMP MILL IN OPERATION

It is Founding Gold From the Queen of the Hills Mine, Owned by Robideaux and Jennings—Rich Floot.

Archie McIntyre of Walkerville, who is opening up a group of five quartz claims in the Vipond mining district, is in the city, having come over from the property last Saturday. He says he is sinking a 300-foot shaft and driving two tunnels on the property and is making good headway. The shaft is now 1600 feet deep and one of the tunnels is in about 200 feet. All of the hoisting from the shaft is done with a whim. So far no water has been encountered in any of the workings.

The property is known as the Vipond group. The ore contains copper, gold and silver, and is shipped to Denver for treatment. Mr. McIntyre has about four carloads of ore on the dump, but it will not be shipped until the warm weather sets in, for it will then be easier to handle. It is his custom to extract during the winter and ship during the summer. Mr. McIntyre further says that the Robideaux and Jennings mill in that section is running steadily on ore from the Queen of the Hills mine. A force of about 12 men is employed in the mine and mill.

RICH FLOOT FOUND.

Prospectors Are Moving Swiftly as a Result.

As a consequence of the very rich float recently found on the claims owned by the Young Brothers and Dr. Ellis, just east of town, several new prospectors are being vigorously opened up, says the Pony Sentinel. L. B. Hoppe has two men developing a claim just east of the cemetery and has uncovered a very rich ledge of very rich looking rock. Adjoining this claim Jack Pifer and Charles Miner have the Heavenly group of seven claims, on which a force of four men are at work crosscutting a large body of ore, samples of which show native gold. Billy Gardner and his father are busy

sinking close to the Boyer Brothers' ranch and have disclosed some high grade ore.

It is somewhat strange that there has never been any real development work done until now, although surface indications are as good as in any portion of the camp.

During the coming summer we expect to see some good properties opened up in that section, for it is the opinion of many good mining men that the Mineral Hill vein system continues underneath and to the east of town.

RICH SILVER ORE.

It Assays \$3,000 Per Ton—Was Mined at Nelhart.

The richest shipment of silver ore which has ever been received at the East Helena smelter arrived in that city Friday evening and was sampled Saturday, says the Great Falls Leader.

The ore runs \$8,000 to the ton and is over one-fourth silver. Its arrival created a sensation and the name of the fortunate shipper was immediately sought. The ore is from the London mine at Nelhart, and the shipper is William Mueller, the well-known merchant of that place, who is said to be making a fortune out of the vein every week. The London mine is one of the old prospects of Nelhart which have not shown a tendency to do startling things theretofore, and previous to Mr. Mueller's taking hold of it has been more of a money sinker than a producer. The strike which Mr. Mueller has made and which produces such wonderful ore is said to lie on the footwall of the vein, but in sufficient quantity to make the find a phenomenal one.

THE AVERAGE TOO HIGH.

Only the Shipping Ore of the Watseca Averages \$75 Per Ton.

In an article regarding the Watseca mine of Madison county which appeared in the Inter Mountain on Tuesday Carlisle H. Hand, general manager for the Watseca company and also one of the owners of the property, was quoted as saying that the entire output of ore from the mine averaged \$75 per ton. This value should have applied to the ore shipped, as the ore treated in the company's mill is not of such high grade.

There was also a mistake in regard to the ownership of the Buffalo mine, located about a mile from the Watseca. It was stated in the article that Henry Mueller of this city owned the property, but he is the wrong Mr. Mueller. The owner of the Buffalo is Edward Mueller of Rochester, Madison county, at one

time a metallurgist in the employ of the old Montana Copper company, to the property of which the Boston & Montana succeeded in the latter eighties. Mr. Mueller worked the Buffalo several years, but it is now being operated by E. W. Merritt of Rochester under a lease and bond.

Mr. Hand says the Buffalo can be developed into a good mine, as it possesses all of the mineral characteristics of future greatness.

GOLD AND COPPER.

Metals Alleged to Have Been Found in Africa.

London, Feb. 20.—Reports from two experts have been received in London, from different parts of Africa, which, if borne out, later developments are likely to have an important influence on the world's gold and copper supply.

One of the reports comes from Assinia, on the French Ivory coast, and says that a reef of quartz gold, eight feet wide and panning from two to eight ounces, has been opened up on the Ivory coast from North Rhodesia. The British chartered South Africa company has received news of the discovery of a copper field estimated at 40 square miles. The field is situated 150 miles north of Victoria Falls and runs through to the Congo Free State.

In the ancient mines dug by the natives and re-opened by engineers in the employ of the chartered company, assays of 44 per cent are now being secured, beside a large percentage of silver. So much importance does the chartered company attach to this discovery that the Cape to Cairo railroad will be changed to pass through the copper fields. Work on this section of the road has been accelerated and it is expected that it will be completed early in 1903.

BANKRUPT MINE OWNER.

Once Worth \$1,200,000—Now Has Little.

Col. Michael Shaughnessy, formerly a millionaire mine owner of Salt Lake, has gone into bankruptcy, his petition having been filed in the federal court in Salt Lake Tuesday. His liabilities are placed at \$187,528.46 and his assets \$25,365. Colonel Shaughnessy is now in New York. In the statement of liabilities the State Savings bank of this city comes in for \$2,500 on a promissory note, and James King of Helena holds the colonel's note for \$5,000.

It is stated on good authority that the colonel's wealth once aggregated \$1,200,000, and that while he had this money he went to New York and speculated in the grain market.

SCIENCE IS PUZZLED

By "Bends," a Disease of the Tunnel That Afflicts Workmen.

(Cleveland Correspondent, Philadelphia North American.)

The tragic event of the death of two men at Crib 2 of the water works tunnel under Lake Erie has again attracted public attention and curiosity to a malady that no physician has ever been able to successfully diagnose. Medical science has been compelled to recognize the "bends" as a distinct form of disease, peculiar only to men working in tunnels under high pressure. It has no scientific designation in the category of medical terms. Doctors have dubbed it the "bends," on account of the bent and stooped attitude of sufferers recovering from severe attacks.

The men who spend their lives working in compressed air locks in submarine and subterranean passages have become so accustomed to the malady that it has become a subject of jest and ridicule with them. Only at long intervals are they brought to a sober realization of its dangers, when one of their number is attacked and dies in fearful agony before medical attention can reach the victim.

Men are never troubled with the "bends" while within the air lock. A workman will leave the lock in the best of health and spirits, and in anywhere from five minutes to five hours he will feel a pain in the calves of his legs. This is the first symptom, and is quickly followed by similar pains in the arms. The torturing pangs then jump to every part of the body and the victim writhes in agony.

The remedy consists in immersing the sufferer in hot water and rubbing him down with alcohol or chloroform liniment. To this treatment he generally responds and sleep soon restores him to his normal strength and vigor. The disorder is so common with the tunnel men that scarcely a day passes but one or more of them are attacked. They suffer fearful agony for a time, but almost invariably recover in time to get to work when the change of shift calls them to duty.

The pains accompanying the "bends" are very similar to those of rheumatism, but sufferers from the "bends" say that they would welcome the most racking tortures of rheumatism as a blissful elysium as compared with those of the disease of the tunnels. It seizes the stomach, causing severe colic. The heart and lungs are affected and the sufferer gasps for breath. He is hungry for oxygen, but the heart beats are so weak that what little air the patient receives into his lungs is all that his respiratory organs can assimilate. The muscles of the limbs and of the body become red and swollen, and in extreme cases the lower extremities become paralyzed. If the paralysis extends to the organs of the lower bowels, the case becomes extremely dangerous, and death results when it reaches the heart.

Three distinct conditions bearing on the malady have been observed. The higher the air pressure the longer the workmen are required to remain in the air lock and the degree of ventilation all appear to have a direct bearing on the frequency and severity of the attacks. Other observations tend to show that men under 20 years of age are seldom troubled with the bends, while between the ages of 20 and 40 the men are more susceptible to the disease in ratio to their years. Men who are stiff in the arteries and who are troubled with arteriosclerosis are also very susceptible to the malady. The same is true of drunkards

and of men whose vitality has been lowered from any cause.

One of the two men who died at Crib 2 this week, while evidently in the best of health, was a toper who loved his bottle. The other was a husky, healthy German, but it is believed that his vitality had been reduced from want, as his wife and children had been found in a condition verging on starvation, the husband having been out of work for two months before he went to work in the tunnel.

The city officials are working up a new theory in regard to the disease. A coil of steam pipes will be placed at the entrance to the air lock so that when the men quit work, dripping wet with the damp and the perspiration of their labors they will have an opportunity to get warm and dry before taking their long walk through the tunnel to the cage, where they are lifted to the crib at the surface.

Dr. Frederich advances the theory that the men become chilled before they reach the warmth of shelter in the crib. The pores of the skin close; the blood rushes to the internal organs, causing congestion. The system is then unable to throw off the compressed air that has permeated the body, laden with its poisons in the form of carbonic acid gas, which oozes from the soil and pervades the atmosphere inhabited by men and mules without adequate ventilation.

All this is theory, of course, no scientific investigation ever having been conducted with any degree of success. The health officer will make a trip to the air lock as soon as the ice in the harbor will permit of access to the crib. He will make a thorough investigation of the conditions under which the men are working, but unless he meets with greater success than has attended the efforts of others, the mystery of the "bends" will still remain a puzzle to science.

There have been half a dozen fatal cases of the "bends" since the operations on the tunnel commenced as many years ago. The last case, prior to those of this week, was about a year ago. Work on the St. Clair tunnel, which was completed in 1888, resulted in a number of deaths from a similar disorder. During the laying of the foundation for the piers for the St. Louis bridge, the matter was brought to the attention of the health authorities, and a fruitless investigation was instituted.

The most thorough research appears to have been conducted by Dr. Knell at the time of the construction of the Blackwell tunnel in England. Dr. Knell brought out the fact that with a ventilation of 12,000 cubic feet per hour, the number of cases was lessened, while with a change of air within the lock amounting to 16,000 cubic feet per hour, no cases at all were reported. In Crib No. 2, the ventilation amounts to about 8,000 cubic feet per hour. They have been running a light shift of men, however, and this amount has been considered sufficient. The difficulty in perfect ventilation rests with the fact that powerful machinery is required to pump air into the tunnel.

The tunnelmen themselves are thoroughly convinced of the fact that the "bends" is a disease of the bones, and that no power on earth can eliminate it from the conditions of work in compressed air chambers.

The health authorities will require a thorough physical examination hereafter before workmen will be permitted to engage in the dangerous employment.

NEWS STORIES BRIEFLY TOLD

CINCINNATI.—A. T. Goshorn, director general of the Philadelphia Centennial exposition of 1876, died yesterday, aged 60 years.

CONSTANTINOPLE.—The reports of the release of Miss Stone are absolutely without foundation, although her liberation is expected momentarily.

LONDON.—From St. Petersburg the correspondent of the Daily Mail telegraphs that a British soldier has arrived at Seoul to reorganize the Korean army.

PASADENA, Cal.—George F. Jennings, a Chicago capitalist and a large owner of blooded horses, died at his winter home in this city yesterday from pneumonia.

WASHINGTON.—The house committee on public lands yesterday reported the bill making a public reservation of a tract in Arizona, including the petrified forests.

DAVID CITY, Neb.—A. H. Gould, defaulting cashier of the Bellwood bank, who lost by speculation a quarter of a million, was sentenced to eight years in the penitentiary.

WASHINGTON.—George B. Cortlyou, secretary to the president, is confined to his home by a severe cold. It is expected, however, that he will be able to resume his duties at the White house in a few days.

CAPE TOWN.—R. Rose-Innes has resigned the attorney generalship and has been succeeded by T. L. Graham, colonial secretary. Mr. Rose-Innes is going to the Transvaal colony in the capacity of chief justice.

WASHINGTON.—A caucus of democratic senators will be held on Friday to decide on a definite line of policy to be pursued on Monday next in voting on the Philippine tariff bill and amendments suggested to it.

WHATCOM, Wash.—The police arrested a man yesterday who, shortly after being placed in jail, informed the officers that he is Allan "Kid" Goucher, wanted in San Francisco for complicity in the murder of Policeman Robinson.

WASHINGTON.—Within a very short time a bill will be filed with the United States to test the legality of the merger of the Northern Pacific and Great Northern system through the instrumentality of the Northern Securities company.

PORTLAND, Ore.—A dispatch from Montreal, Canada, states that Charles Savage and his wife (colored) who are wanted here on a charge of stealing \$10,000 worth of diamonds from Albert F. Lowenthal last November, were arrested there yesterday.

GROTON, Mass.—Young Theodore Roosevelt continued to improve yes-

WHEN THE SHEARS GET GAY

(Clippings from the State Press.)

Wants a Vacation.

(Billings Gazette.) The editor of the Great Falls Tribune wants a vacation. He is out in a plaintive way as to the existence of the Montana Press association and wants to know why its officers, if it still has any, are not arranging for an excursion of some sort.

The Public Schools.

(Kalispell Bee.) It is understood that the public schools of Kalispell and most of the schools in the county are to close quite early this year, the reason being a lack of funds. Notwithstanding the large amount of money received by the schools each year from the land reserves and other sources, the school funds are always insufficient. This condition will not be remedied until there is an assessment of property in the state which will compel the railroads and other tax dodgers to pay their just proportion of the taxes. At the present valuation of about 10 per cent of the real value of their property, while other people are paying on full value.

Must Vote Again.

(Pony Sentinel.) We are sorry to be obliged to announce that the school election held February 1 is void, and the whole work will have to be done over again.

That is the decision of County Attorney M. M. Duncan, who states on account of the defective form of the written ballots the election is illegal. We understand that another election has been called for some time in March and that the tax-paying clause in school elections does not count.

In fact, that the same law does not apply to these elections as it does to municipal elections. Consequently anyone who is a legal voter in the district can vote.

Investigation Necessary.

(Great Falls Leader.) The frontier has disappeared and with it most of the desperadoes who, for a long time, made the name of this Western country a stench in the nostrils of peace-loving people. One by one these old-time fighters, rob-

bers and murderers are disappearing and their places are being taken by peace-loving, law-abiding people.

For years certain portions of Northern Montana seemed to be without the pale of the law and for years were made the rendezvous of train robbers and outlaws who had the decent people so terrorized that they were afforded a safe asylum and went about unnoticed by officers and unseen by the people. They were unseen because it was to the interest of settlers not to see them, for seeing meant the killing of men and the burning of houses.

It is to be hoped, however, that with the death of "Long Henry" Thompson, the last of the desperadoes who were wont to make their home in the northern part of the state, have passed away never to return.

The Curry gang is scattered and the last of the Currys is in jail charged with an offense that will probably put him away for many years.

Others of the notorious gangs who so long defied the peace officers and in reality governed Valley county by their terrorism are either in jail or are fugitives from justice and the places that knew them once know them no more.

Welcome to Fruit Growers.

(Missoulian.) The Missoulian extends a welcome to the fruit-growers who represent a large and flourishing industry, which may be said to not fairly have started.

Many interesting papers are on the program and many exchanges of views beneficial to all will be given.

What ever tends to add to Montana's greatness receives encouragement from Montanans, and Montana fruit has advertised the state and will continue to advertise it until the fruit belt will have to be let out a few holes.

The wealth of our mines and our forests is great, but is small compared with the wealth of our soil, which in the hands of the wise husbandman cannot be exhausted.

It is for the purpose of imparting and acquiring wisdom that the annual meetings of the state horticultural society are held, and we are positive that none will return home from this meeting who has not been benefited by coming in contact with those who are engaged in the same business.

Turned Him Down.

(Philadelphia Record.) "And you say he is an old flame of yours?" "He used to be, but he is no longer." "How is that?" "Papa came in one day and put him out."

Where He Belonged.

(New York Journal.) Old Gent—My son, you ought to be in school. Kid—Me teacher says I oughter be in jail.

REPRODUCTION OF TEETH

I make false teeth that are so natural in appearance that they deceive your nearest relative. Come in and have a talk on replacing missing teeth. Get a thorough examination of your teeth, and of the cost of a thorough repair thereof.

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

FOR RENT

- 12-room brick, 415 E. Granite... \$55.00
5-room frame, 540 W. Broad... 26.50
6-room modern brick, N. Ex... 35.00
5-room modern, Dakota street... 35.00
5-room modern, 322 N. Ala... 35.00
5-room modern, 869 S. Main... 27.50
4-room brick, 121 S. Grant... 20.50
4-room frame 727 E. Summit... 16.50
3-room brick, 702 E. Mercury... 16.50
3-room frame, 617 Diamond... 15.00
3-room modern, 235 S. Idaho... 20.00
3-room frame, 19 1/2 E. Platinum... 15.00
3-room brick, 744 S. Main... 16.50

THE THOMPSON COMPANY

Real Estate. Fire Insurance. Money to Loan at Lowest Rates of Interest 15 W. Broadway.

A GERMICIDE that kills the cause of Consumption, Pneumonia LaGrippe

And leaves the body in a normal condition with the necessary resistance against the invading foes to health.

Golden C Cure

Used by the best doctors. \$1.00 bottle. All Druggists.

Fosselman Drug Store, 43 E. Park

The Latest Perfumery From Paris

Direct Import.

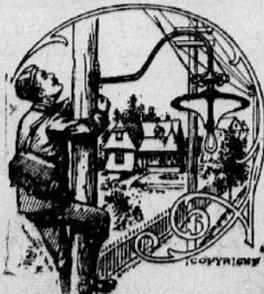
- ROGER & GALLET'S
GUERLAIN'S
VIOLETT'S
PIVER'S
LEGRAND'S
DELETTREZ.

All of them of Lowest Prices possible to le monde elegant.

Linemen's Supplies

We carry in stock a complete assortment of Line Construction and Pocket Tools, such as Furnaces, Blow Torches, Eccentric Clamps, Pulley Blocks, Spoons, Shovels, Pliers, Connectors, Tool Belts, Climbers etc., etc. Our prices are all right.

MONTANA ELECTRIC CO. Telephone 15, 53 East Broadway.



Open Friday Night Until 10 O'clock

The Connell Store

AS OUR STORE will be closed Saturday (Washington's birthday) we must do two day's work in one. You will find it profitable to help us do so, for you will have an opportunity of getting splendid bargains in

Men's and Boys' Fine Clothing

And ready-made garments for women and children. Wool underwear, dresses and wraps—all marked at prices that will satisfy prudent buyers.

Women's Dresses That Were \$45, Now \$20

WE WANT every man in Butte to know about our great annual "discount sale" of men's and boy's fine clothing. It is well to bear in mind when thinking of clothing that our clothing differs materially from the average—our clothing is made for us; it is well made; it is made to fit. You can wear a Connell suit with pleasure and comfort. Spring and winter overcoats go at this sale—25 per cent off.

100 Doz. Men's Wool Socks Only 10c a Pair

- Men's linen bosom unlaundered shirts, only 25c.
"Saracac" unlined genuine buck mits, only 50c.
Men's natural and camel's hair finish merino underwear, extra heavy, only 45c each.
Men's suspenders, with leather ends and the celebrated Harris buckle, only 25c a pair; worth 50c.
PERCALE shirts, the \$1.50 and \$1.25 qualities; all sizes; assorted patterns. Reduced to 75c.

25% Off Sale on All Boy's Knee Pants Suits

- \$10.00 Suits Reduced to \$7.50
8.00 Suits Reduced to 6.00
6.00 Suits Reduced to 4.50
5.00 Suits Reduced to 4.00

Boys' fine Percale Laundered Shirts, collars and cuffs detached; stripes and bright figures; all sizes. The ordinary price is \$1.00. Reduced to 50c.

39c Table of bargains contains waists, pants, nightshirts, caps and negligee shirts, all at 39c. Worth 75c and more.

M. J. CONNELL COMPANY