

THE MINES OF ARIZONA

This department is under the direction of Mr. W. E. Defty, the well known mining engineer, who will carefully scrutinize all matters relating to mining in order that only reliable information regarding legitimate enterprises shall find a place here.

part of the creditors through petition to the referee in bankruptcy, for an order of sale for the property. The claims of the creditors will bring nearly the full sum necessary to full liquidation of indebtedness.

Reymert

The work on this property is being kept steadily ahead by sinking of the main vertical shaft. This is now down to a depth of 376 feet. This vein is a large and promising one on the surface and remains oxidized and is very soft and friable, therefore requiring care and caution in mining. It is anticipated that a zone of enrichment will be found under this area, and under this a sulphide base.

Jerome

The main shaft at the Little Daisy has now reached a depth of 1200 feet and a station is being cut on the hanging wall side, preparatory to cross-cutting on this side of the fault, where it is expected ore may be encountered; at any rate, that is the hope of those interested.

Shannon Discovery

There were no new developments last year at the Shannon mines property. A very important discovery, however, was made at one of the company's outside claims, known as the Alaska mine, about half a mile from the Shannon mines. The discovery was made by the Arizona Copper company, through one of their mines, which adjoins the Alaska. As far as development has gone, no ore shows to be 20 feet wide, averaging for the entire 20 feet in width over 8 per cent in copper.

Yuma County

Henry K. Preston and other Philadelphia people have acquired an interest in a placer property in a basin in the Dome Rock mountains near Quartzite and known as the Middle Camp ground. Extensive tests have been made and it has been decided to work the gravel by a dry process, using steam shovels, Querner disintegrators and Stebbins dry concentrators.

An Old Mine Rediscovered

Comes a story to me from Yuma county, but as the correspondent, who now has the property, does not desire his name to be known in connection with it, I refrain from publishing it. However, the story is too interesting not to give our readers the benefit of its perusal, for it smacks so strongly of the tales told about old Spanish mines, and who knows the discovery may be the long lost Dutchman, Frenchman, Nigger Ben, or the Peg-Leg. However, here is the story:

Commonwealth

The 300-ton mill on this property continues to work steadily on ore from the mine and dumps, and tailings from the old mill dams are being shipped to the Calumet & Arizona smelter at Douglas to the amount of fifty tons per day.

An Old Geologist

Dr. Archibald Geikie, the famous classical and theological scholar and geologist, has celebrated his seventy-eighth birthday, shortly after retiring from the highest office which an English scientist can hold, the presidency of the Royal society.

Mohave County

During the month of March the clean-up of the Tom Reed mine was \$165,000 in gold, showing that the ore is holding high value. The winze from the 900-foot level has been sunk 200 feet and remains in high grade ore all the way. The mine has large bodies of 31 1/2 ore, but this is not being mined at the present time. Ores of higher grade only are being taken to the mill. It is contemplating enlarging the plant in the near future.

The Portland Group

The following appeared in The Republican under date: RAY, Ariz., April 16.—The Portland mining claims, adjoining the ground of the recent Ray gold strike, have been bonded to Dr. W. W. Nutting, of Boston, Mass. There are five claims in the group. More particulars regarding the deal is embodied in the following: The Portland group and adjoining claims have been bonded to Dr. W. W. Nutting. The Portland group consists of five claims, held by E. E. Shafer and others of Jerseyville, Ill. The property lies on the west side of Mineral creek, three miles above

Ray, adjoining the old Ray Northern property on the south. Dr. Nutting was in Ray a month ago and examined the property and located for himself at that time six other claims. He also took option on a claim held by Dan Rosenman and one held by J. W. Reed, which he crosses the group to thirteen claims. According to the terms of the bond, \$1500 is to be paid within ninety days and the remainder in one and two years. The total consideration was \$25,000.

Dr. Nutting is formerly from Boston, though he makes Phoenix his home winter. J. W. Reed of Phoenix promoted the deal.

Like all good things, everyone wants a piece of them, and this is no exception. Regarding the Ray gold strike, there have been localities and relations—crosswise and every other degree of the compass. Injunctions have been issued and now come the lawyers to locate the whole thing. The hearing of the suits is set for the 28 of April at Florence, and by the time they get through some of the locators may have enough rock left to build a monument.

There were no new developments last year at the Shannon mines property. A very important discovery, however, was made at one of the company's outside claims, known as the Alaska mine, about half a mile from the Shannon mines. The discovery was made by the Arizona Copper company, through one of their mines, which adjoins the Alaska. As far as development has gone, no ore shows to be 20 feet wide, averaging for the entire 20 feet in width over 8 per cent in copper.

Comes a story to me from Yuma county, but as the correspondent, who now has the property, does not desire his name to be known in connection with it, I refrain from publishing it. However, the story is too interesting not to give our readers the benefit of its perusal, for it smacks so strongly of the tales told about old Spanish mines, and who knows the discovery may be the long lost Dutchman, Frenchman, Nigger Ben, or the Peg-Leg. However, here is the story:

Several weeks ago my son and another party, while prospecting around the works of an old abandoned or French mine, out in the Palomas range, discovered a closed winze in one of the drifts, and upon opening it up found that it led to a thousand feet of drifts upon a contact vein of over 300 feet in width, and exposing large bodies of lead and silver ores that look to me like a fortune.

The blasting was all done by time or wooden wedges and the oldest timer here (Mexicans who have been in this section for fifty years) say it was just as it appears upon the surface when they first came into the country and its history forgotten. I have located many claims surrounding it and the formation in which it occurs is the foot of a more or less gray dolomite overlying between 200 or 400 feet of lime, schist and shales, in which the ore occurs, and these schists and shales in turn cut in every direction by quartz, galena and dull black lead strata, with a good deal of native silver showing in the galenas. These mineralized schists and shales are underlain by a 20-foot thick quartzite. The quartz-schistosity is in turn underlain by a thousand feet or more of blue and red sand and under this is the altered granites.

This contact vein for a distance of more than one mile along its strike, has been placed for gold for the past fifty years and over a half million dollars has been extracted. The mine is known to the geological survey as the Piencho placers, or Pienchoa placers—both names being used in describing it.

I can see quite a bit of native silver out of the rock, but up to date have been unable to secure up one color of gold in anything that I have hoped.

It runs briefly as follows: A party got an option on a property; he didn't know which way to turn it. Through another party he got a mining engineer to take the matter in hand and he submitted it to some parties for the figures stated at \$25,000. Negotiations commenced; in each reply by correspondence the terms became stiffer and stiffer until it simmered down to the following conditions: \$35,000 down immediately after examination; another payment soon after to make up \$75,000, and the holder of the option to retain a half interest in the property. The other parties finally replied and said if he would hold the property until the next presidential election they might consider the deal to give him \$75,000 for a one-tenth interest and waive the examination.

It is figured that, taking the production and costs of the Miami Copper Mining company for the first two months of 1914 as a basis, the company is earning net at the rate of \$2,000,000 a year, putting the price of copper at 14 cents a pound. January the company produced 3,515,617 pounds of copper at a cost of 5.78c, while in February (28 days) 3,216,482 pounds of copper were produced at a cost of 8.11c. In March the production was about 3,461,000 pounds of copper at a cost that will in all probability be lower than the preceding month.

The deficit of \$234,991 shown in the company's annual report for the year ended December 31 last was due almost entirely to the case-in which occurred last April at the company's property. Although the comparative low price of copper received was a factor in bringing about this result, the case-in occurred in the northwest ore body and not only interfered with mining operations during April, May and June of last year, but also increased the cost of production.

WHEN IN FLAGSTAFF Stop at the Commercial Hotel

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

after July 1, 1917, and it is hoped that the present stockholders will absorb them on the basis of payment subscriptions—one-half in stock at \$4 per share. Recent quotations of the stock at San Francisco have been from \$1.50 to \$2.50. Developments at the mine are said to be favorable, but has been strung out for a number of years, and additional equipment is again desired. The property is situated near Dos Cabezas, Cochise county.

What About This? Cool, in El Dorado county, California, comes forward with a story of a water can left standing on an open dump during an electric storm, and which was found, when the clouds cleared, to have become gold-plated. Our correspondent vouches for the facts, so we can but pass the matter on to the electro-chemical society of New York for discussion. We had always understood that clouds were silver-lined, but apparently they do things differently in the Golden State—M. & S. Press.

SHANNON The Shannon Copper company reports for March an output of 1,082,909 pounds of copper, which compares with 904,909 pounds in February and 728,000 pounds in January.

PELPHS-DODGE The output for the Pelphs-Dodge companies for March aggregated 12,492,651 pounds of copper, making a total of 37,439,559 pounds for the three months since January 1. The directors of this company have re-elected the former officers.

OLD DOMINION The Old Dominion company reports for March an output of 2,995,000 pounds of copper, which compares with 2,908,000 pounds in February and 2,797,000 pounds in January. For the quarter the output was 8,660,000 pounds.

UNITED VERDE The output for this company in February was 2,600,000 pounds of copper, against 2,900,000 pounds in January.

INCREASED REQUIREMENTS FOR THE STUDENT ENGINEER After July 1, 1915, candidates for admission to Columbia University will be required to present evidence of such preliminary general education as can ordinarily be had only by taking at least three years of study in a college or scientific school of high rank. During 1914-15, candidates for engineering degrees will be admitted to the second year of the present course upon presenting evidence that they have completed the work of the present first year in addition to the existing entrance requirements. The schools of mines and engineering and of chemistry will therefore be placed upon the same academic plane as the present schools of law and medicine in Columbia university.

The revised and improved program of studies to be offered in the school of mines, of engineering and of chemistry will be strictly professional and specialized for students who are candidates for any of the several degrees offered in mines and engineering and chemistry. The college or scientific school course, completion of which will be required, including thorough instruction in mathematics, physics and chemistry, as well as certain designated work in drafting shop work, surveying and mineralogy, together with courses of college grade and type in English, history, economics, philosophy and in either French, German or Spanish.

It is felt that because of the increasing seriousness of the demands made upon the engineer, young men should come to their professional studies better trained in those latter subjects than often has been the case, and that they should be able to use at least one modern language in addition to their own. It is also felt that the fundamental courses in mathematics, chemistry, physics and mechanics should be taught in college, and that only after their acquisition should the student take up in the professional school their application to the several branches of engineering. These professional studies, as a rule, call for more mature minds than have in the past ordinarily attempted them, and such necessary maturity and breadth of mind can be obtained in the training of a good college in whose curriculum these fundamentals are included.

HER COMPLAINT "Elsie—'Mamma, I don't feel well.' Mother—'That's too bad, dear. Where do you feel worst?' Elsie—'In school, mamma.'—Boston Transcript

MIAMI COPPER It is figured that, taking the production and costs of the Miami Copper Mining company for the first two months of 1914 as a basis, the company is earning net at the rate of \$2,000,000 a year, putting the price of copper at 14 cents a pound. January the company produced 3,515,617 pounds of copper at a cost of 5.78c, while in February (28 days) 3,216,482 pounds of copper were produced at a cost of 8.11c. In March the production was about 3,461,000 pounds of copper at a cost that will in all probability be lower than the preceding month.

Points of Interest Near Flagstaff Grand Canyon 65 miles Extinct volcanoes 18 miles Lava beds 16 miles Ice caves 15 miles Prehistoric cliff dwellings 10 miles Cave dwellings 10 miles Oak Creek trout stream 18 miles Montezuma's well 12 miles San Francisco peaks 12 miles Altitude of Flagstaff 6907 feet Prehistoric ruins 35 miles Natural Bridge 75 miles

WHEN IN FLAGSTAFF Stop at the Commercial Hotel

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

bonds will be convertible any time into stock on the basis of \$25 a share and will be redeemable at 105 after the first year. The issue has been underwritten by a strong banking syndicate.

The bonds are issued to provide additional funds necessary on account of the company's plant to 10,000 tons per day, and to pay for additional mine development, mine construction, railroad construction and equipment, new power house, land purchase, etc., not included in previous estimates.

SHANNON The Shannon Copper company reports for March an output of 1,082,909 pounds of copper, which compares with 904,909 pounds in February and 728,000 pounds in January.

PELPHS-DODGE The output for the Pelphs-Dodge companies for March aggregated 12,492,651 pounds of copper, making a total of 37,439,559 pounds for the three months since January 1. The directors of this company have re-elected the former officers.

OLD DOMINION The Old Dominion company reports for March an output of 2,995,000 pounds of copper, which compares with 2,908,000 pounds in February and 2,797,000 pounds in January. For the quarter the output was 8,660,000 pounds.

UNITED VERDE The output for this company in February was 2,600,000 pounds of copper, against 2,900,000 pounds in January.

INCREASED REQUIREMENTS FOR THE STUDENT ENGINEER After July 1, 1915, candidates for admission to Columbia University will be required to present evidence of such preliminary general education as can ordinarily be had only by taking at least three years of study in a college or scientific school of high rank. During 1914-15, candidates for engineering degrees will be admitted to the second year of the present course upon presenting evidence that they have completed the work of the present first year in addition to the existing entrance requirements. The schools of mines and engineering and of chemistry will therefore be placed upon the same academic plane as the present schools of law and medicine in Columbia university.

The revised and improved program of studies to be offered in the school of mines, of engineering and of chemistry will be strictly professional and specialized for students who are candidates for any of the several degrees offered in mines and engineering and chemistry. The college or scientific school course, completion of which will be required, including thorough instruction in mathematics, physics and chemistry, as well as certain designated work in drafting shop work, surveying and mineralogy, together with courses of college grade and type in English, history, economics, philosophy and in either French, German or Spanish.

It is felt that because of the increasing seriousness of the demands made upon the engineer, young men should come to their professional studies better trained in those latter subjects than often has been the case, and that they should be able to use at least one modern language in addition to their own. It is also felt that the fundamental courses in mathematics, chemistry, physics and mechanics should be taught in college, and that only after their acquisition should the student take up in the professional school their application to the several branches of engineering. These professional studies, as a rule, call for more mature minds than have in the past ordinarily attempted them, and such necessary maturity and breadth of mind can be obtained in the training of a good college in whose curriculum these fundamentals are included.

HER COMPLAINT "Elsie—'Mamma, I don't feel well.' Mother—'That's too bad, dear. Where do you feel worst?' Elsie—'In school, mamma.'—Boston Transcript

MIAMI COPPER It is figured that, taking the production and costs of the Miami Copper Mining company for the first two months of 1914 as a basis, the company is earning net at the rate of \$2,000,000 a year, putting the price of copper at 14 cents a pound. January the company produced 3,515,617 pounds of copper at a cost of 5.78c, while in February (28 days) 3,216,482 pounds of copper were produced at a cost of 8.11c. In March the production was about 3,461,000 pounds of copper at a cost that will in all probability be lower than the preceding month.

Points of Interest Near Flagstaff Grand Canyon 65 miles Extinct volcanoes 18 miles Lava beds 16 miles Ice caves 15 miles Prehistoric cliff dwellings 10 miles Cave dwellings 10 miles Oak Creek trout stream 18 miles Montezuma's well 12 miles San Francisco peaks 12 miles Altitude of Flagstaff 6907 feet Prehistoric ruins 35 miles Natural Bridge 75 miles

WHEN IN FLAGSTAFF Stop at the Commercial Hotel

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

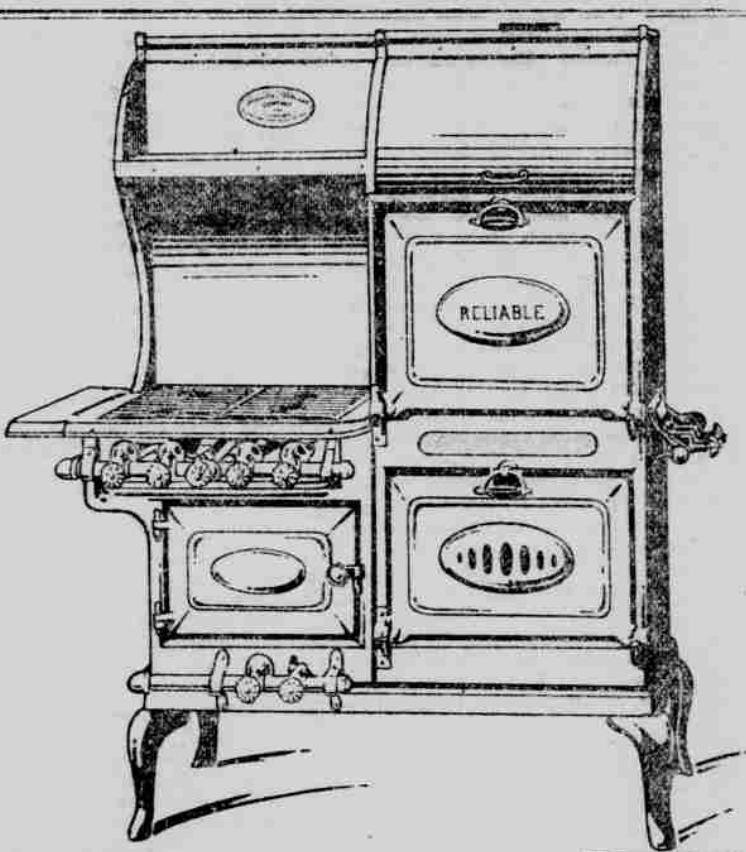
Chas. Prochnow, Mgr. Rates \$1 up

Chas. Prochnow, Mgr. Rates \$1 up

FOR YOUR, "HOME SWEET HOME"

Buy the Western Made Soaps of Quality For Years Have Stood Every Household King Calla Lilly Borax Soap Cocoa Naptha Soap White Borax Soap Mermaid Washing Powder—

Patronize Those Who Patronize You "ASK YOUR ARIZONA HOME GROCER" Los Angeles Soap Co.



Live Right

Don't Slave over a Hot Stove all Summer. Order Your Gas Range Today

Car Load Prices. \$12.00 and up. Gas piped to your kitchen free. Phone 1654 and representative will call.

Pacific Gas & Electric Company

ENORMOUS SAVING ON BUILDING MATERIAL BUY NOW AT ROCK-BOTTOM PRICES

Largest distribution on the Pacific Coast of Lumber, Plumbing Supply, Sash and Doors, Hardware, Paints and Oil. We have a complete Mill Order Department for 200,000 customers. Our prices and quality are beyond comparison. The advantage of being able to see our entire stock is ever yours by merely sending a request for our Catalog. A7 Mailed free to any address.

ALL GRADES OF LUMBER

Our prices on lumber are at a rock-bottom market. Our quality is always up to standard. Let us quote you on your order. We furnish lumber from our Mill to customers with all modern and up-to-date machinery in turn on the best workmanship in Finish Lumber. Our modern Delivery System is for your convenience. One trial will tell you that you have a continuous customer.

PRICES SMASHED ON PLUMBING!!

- Finest grades low-down Clearest Combination 2 1/2 inch Oak Wood Toilet. This is an excellent quality of wood. \$14.00
Best Grade High-Tank Toilet. Very durable. \$12.00
Six-Gallon Closet Tank. Finished in natural and Golden. \$5.25

- One light single easement only the Made out of select California sugar pine. Our stock is complete in every detail. We guarantee all material and workmanship. Remember this price is a saving of at least 40%. \$3.75
Galvanized Poultry Wire, 2-inch mesh, in rolls, per 100 ft. \$4.75
Whiting-Mead Commercial Co., Pbx. R. 415 East Ninth Street, Los Angeles, California. Please send FREE our 1914 Catalog. Name _____

WHITING-MEAD COMMERCIAL CO.

9th Street & Maple Ave. Los Angeles, Cal

Another Mining Deal

The copper and gold property northeast of Hot Springs Junction and owned by A. D. Williamson (better known as Burro Bluffs) has been bonded to eastern capitalists. The total consideration of the bond is \$40,000 and the first installment of \$2,000 has already been paid to the owner. The property comprises 20 claims and lies east of Leadville or Noda. Some ore has been hauled to and shipped from the latter station and has carried fair values in gold, silver and copper. The district has excellent surface showing, but no very deep work has been performed.

Sunset

It is reported that the old Sunset mill near Harrisburg is about to be started up again. The mill was erected a number of years ago, but was only operated for a very limited period. It has been started up occasionally from time to time by parties holding outside claims. This time it is said W. Sisson will reduce ores from claims near by.

Tombstone Consolidated

Under date of the 13th instant comes the announcement of the decision by the United States supreme court sustaining the findings of the lower courts in holding the bonds of the company to be invalid. The latter holding is due to the fact that in the bonds there was a stipulation that interest should be dependent upon the earning of dividends by the company. No dividends were earned in consequence of which the bonds are held to be null and void. There will now be a demand on the

WEDDING INVITATIONS AND ANNOUNCEMENTS

A. E. LITTLE COMPANY 426 SOUTH BROADWAY LOS ANGELES

Assay Office of J. S. NEAL ASSAYER AND CHEMIST

207 N. First St. Phoenix, Ariz.

F. J. Coleman ASSAYER & ANALYST

35 E. Washington St. Phoenix, Arizona

The Copper Queen Consolidated Mining Company

We are in the market for all kinds of Gold, Silver, Copper ores and concentrates and Copper Matte, making prompt payments in full. Our sampling operations are open to the inspection of shippers. Write us for prices and treatment rates, giving approximate assay and analysis.

Address Copper Queen Consolidated Mining Co. REDUCTION WORKS Douglas Arizona

Phoenix Engraving Company

MAKE CUTS THAT PRINT S. HARRY ROBERTSON 35 East Washington St. Phone 1709

FAIRBANKS-MORSE

Engines Nestor Belting, Pulleys, Shafting, Pumps, Etc. ARIZONA HARDWARE SUPPLY CO. Third Avenue and Jackson, Phoenix. "We Have the Stock."

Here Is Foot Comfort

This is a broad claim to make, but the Scholl "Foot-Eazer" eases feet, provides absolute means of foot comfort.

When the arch of the foot is not properly supported—and the modern shoe does not give this required support—the feet tire and ache and pain and become feverish and then there is a twitching and a seeming strain on the limbs, and frequently a feeling of fatigue over the whole body.

The arch of the foot, where the body's weight is carried, needs a rest. THE SCHOLL "FOOT-EAZER" supports the arch or instep and takes away all muscular strain, equalizing the weight and bearing.

Made of German Silver springs, leather covered. Self-adjusting to any foot. Can be changed from one pair of shoes to another and can be worn with comfort by anyone. Women who do housework, or clerks in stores or offices, or anyone whose occupation requires them to do much standing or walking should buy a pair of "Foot-Eazers" today. You cannot have restful feet until you do wear them. All sizes, for men and women. Price \$2.00 per pair. Endorsed by Physicians—by People who wear them. For sale by SHIRLEY & SHIRLEY, 39 East Adams St.