

operating there now hope to soon in-terest foreign capital and develop the fields quickly and on a large scale ALONG THE SAN PEDRO.

Properties Around Moaps and Elsewhere Being Developed.

Special Correspondence.

Callente, Nev., Sept. 12 .- Burton & Flick sent two sacks of samples to Salt Lake today for assay, from their gold-sliver Trilby group, north of Mo-apa. They have just cross-cut a 5-foot ledge at the breast of a 130-foot

M. T. Willis, M. E., of Denver, passed through camp today en route to Goode Springs, on the San Pedro road, near Springs, on the San Pedro road, near which he will examine the University group of copper mines owned by Tabor & Bird, who have completed 460 feet of work on a 16-foot ledge, assaying 7 per cent copper and 53.10 gold per ton. Douglas & Flynn, owners of the Gold Bug groups on Virgen river, have sack-ed 40 tons of \$63.10 ore, but on account of excessive freight rates charged by the San Pedro company, will hold their the San Pedro company, will hold their ore until they can raise capital to put veloped. ip a stamp mill and handle their ore it the mines,

G. E. Harris, owner of the St. Law-wence group of gold-copper claims, north of Moapa, sold his group of 8 claims to Faulk & Bruner of Omaha or \$3,000. The very exorbitant charge of \$19 per

ton for transporting ore from Moapa to Salt Lake has been quoted Clark this caron and as they do not

but there are very good reasons for the treasury running lower than most people had supposed. These were fully set forth in the report of President Knox, who stated that it had been next to impossible to get the ora to market. Some little time before the

of close to \$20 per ton, while enormous amounts were blocked out in the mine ready for extraction, and it is esti-mated that 75,000 tons more will be added to the reserves during the next twelve months. The value of the or-now in sight is conservatively estinated at \$2,000,000 and that with prac tically only one of the five ledges de-

President Knox made the claim in his report that there is a vast tonnage of ore blocked out in the mine, and that conservative estimate of that avail able for reduction at the present time would be \$3,162,655. By some the foregoing figures are believed to be ultra conservative. The orcs now exposed are divided into two classes. Of the first class, there are 14,166 tons, of the net value of \$98,25, or \$1,391,805; of the

to a distance of 200 feet. The cross-

soon encounter, a ledge of importance

physical and financial con-The only stock voted in favor

Operating There.

cash consideration. Messis, Effinger and McClelland contemplate the erec-

tion of a five-stamp mlil on their prop. erty in the near future,

GOLDFIELD TRANSFERS.

the smelter

been opened

WILL HARNESS THE MISSOURI

drift on the 200 level of the Bowes & Kernick lease on the Jumbo. The ore

at one point in this drift averages \$7,000 per ton for a width of 6 feet.—Tonopah Miner.

To Stop the Wealth of an Empire Flowing Uselessly to The Ocean.

BIC SCHEME FOR IRRICATION.

Plan to Make Great River Contribute to American Prosperity-Government Engineers Investigating.

did lignite coal, worth at the mine only a dollar a ton. There you have it. The

Current Time Table. In effect June Sth. 1904. LEAVE SALT LAKE CITY. For Heber, Provo and

DENVER PRID GRANDE

RID GRANDE WESTERN

ARRIVE SALT LAKE OITY:

No. 6-From Ogden and the West Silo a.m. No. 12-From Ogden and Local Points

TO ST. LQUIS. Through car Sait Lake City to St. Louis and Kansas City. Only one change to New York, Bufalo and principal points east-low rates for summer travel. Especial attention to ladies and chil-drap.





Time Table OREGON SHORT LINE Railedad In Effect June 19. 1904. ARRIVE.

From Ogden, Portland, Butte, San Francisco, Chicago, St. Louis, Omaha and Denver ..., 8:25 a.m. From Ogden and Intermediate

erects an exercise erection Tible p. m. DEPART.

T. M. SCHUMACHER, Traf. Mgr. D. E. BURLEY, G. P. & T. A. S. SPIENCER, A. G. P. & T. A. City Ticket Office, 201 Main Street, Telephone 250,

TIME TABLE San Pedro, Los Angeles and Salt Lake R. R. Co. DEPART. From Oregon Short Line Depot, Salt Lake Chy.

J. L. MOORE. Dist. Pass. Agt.

completion of the new Tonopah rail-road, it was explained, the teamsters pulled out and quit the camp. Then, the recent washouts along the new line and the Carson & Colorado railway seriously interfered with plans. The report showed receipts for the year of \$209,477.03, over \$201,000, of which came from the sale of ores. About \$200,000 of this sum was expended in the payment

of the \$50,000 dividend and in the oper ation and development of the mine. The net value per ton of all shipped during the year was \$76.97 per ton. It was shown that there was at the present time 15,000 tons of ore on the dump which would yield a profit

TODAY'S QUOTATIONS.

6

IN WYOMING'S

COPPER CAMP

Another Important Strike is Re-

ported from the Big Doan

Rambler Property.

OLDEST MINE IN THE STATE.

From Which Copper is Produced-

Ranks Very Well With the

Ferris-Haggerty,

Battle Lake, Wyo., Sept. 12 - Anoth-

er big strike has been made in the

Doane Rambler, the oldest copper mine

in Wyoming. In running a cross-cut

from a tunnel 125 feet from the old

shaft, a breast of solld copper ore four

feet wide was encountered. Only one

wall was found. Indicating that the

vein is much wider than four fect. It

is estimated that if the ore runs 15 per

cent copper, which is very low for

Rambler ore, there is now in sight 1,-

600 pounds of copper, valued at \$200,000.

Adding to this excellent find the other

rich ore shoots in the mine, the Ram-

bler is now regarded as a copper bo

nanza that will rank with the Ferris-

Haggarty, United Verde and other big

MONTANA WEAKER.

Some Not Satisfied With Company's

Report-Sacramento Higher.

Brokers were not so anxious for Montana-Tonopah today. There is no

denying the fact that in some respects

the report of the head official of the

company was somewhat of a disap-

pointment, and it furnished a general

tople for discussion. One prominent,

broker declared that a down move-

ment in the price of the stock would

undoubtedly result, and judging from

the forenoon quotations he apparently

has conditions sized up about right Again, a more optimistic view of the situation is taken by others, who see

nothing but a bright, shining light for

the future. The stock was offered down to \$1.75, and \$1.50 was the high-est bid made for it. Tonopah regis-tererd a sale at \$8.25. Sacramento

moved up a few points and sold at 15%

cents. Tetro appeared a shade strong-er. May Day weakened, and Daly-West dropped from \$14.25 to \$14.05.

.The closing quotations and sales were posted as follows:

cents.

copper properties.

Special Correspondence.

| | Bid. | Aske |
|------------------------|----------|--------|
| Alice | 30 | |
| AJax merrinesse erres | .8 | |
| Carisa | 8 | - 17 |
| Con. Mercur | 2634 | 36 |
| Creole | | - 40 |
| Daly | 2,20 | 2.85 |
| Daly-Judge | 4.27% | - 4.50 |
| Buly-West | | 14.50 |
| R & B. Bell | 72% | 1.00 |
| Galena | 1. 1. 1. | |
| Grand Central | 3.70 | 4.20 |
| Horn Silver | 1.15 | 11.65 |
| Lower Mammoth | A1.10 | 20 |
| May Day | 786 | - 14 |
| Mammoth | 1.40 | 1.53 |
| | 0.75 | 4.50 |
| | 10110 | 4.00 |
| Petro er scouteret | 12% | |
| Sacramento | | 13 |
| Silver King | 48.00 | 55.00 |
| Silver Shield | 8% | 6 |
| Star Con | 1496 | 10 |
| Sunshine | 1.10 | 10 |
| Swansea | 20 | 41 |
| Utah inter area and an | 100 Mar | - 45 |
| Uncle Sam Con | 21 | 10 |
| U. S. Mining Co | 19.74 | 20.75 |
| Victoria | 1.00 | 1,10 |
| Boston Con., | 6.25 | |
| Butler-Liberal | 912 | 10 |
| Century | 32% | - 40 |
| Joe Bowers | | 1 |
| Little Chief | 1.1 | 1 |
| Martha Washington | - 36 - | |
| New York | 284 | - 0 |
| Richmond-Anaconda | | 1.1 |
| Tetro | 26 | 27 |
| Victor Con | • 114 | 0.1.12 |
| Wabash | | |
| Yankee | #2 | 31 |
| Tonopah | \$.00 | 8,40 |
| Montana Toacpah | 1.50 | 1.85 |
| Goldfield Bonanza | 416 | |

REGULAR CALL SALES. May Day, 1,000 at 7%. Sacramento, 650 at 12%; 500 at 12%; 1,000 at 13: 1,000 at 13%. OPEN BOARD SALES,

Carlsa, 500 at 10. Daly-West, 10 at 14.25; 10 at 14.05. Tonopah, 100 at 8.25. Tetro, 300 at 27.



shrunk twice before cutting, insuring a permanency in the cloth. Cut by hand so as to follow all the kinds of the fashion.

Made inside and out entirely by hand, insuring an unexcellable finish and perminency of shape.

The long man, the short man, the stout man, can also be fitted in these excellent clothes.

Boys' and Children's Clothing.

New Shapes in Hats.



present the railroad with the three-fourths profits of thele ore, they will not ship, although they could do so at a good margin of profit if the San Pedro officials were to make good the promises of low tariff made by President Clark. Joe Norris has received assays from Sait Lake on his Mizpah claim of 28

cent lead and 86 ounces silver per ton. He is drifting on a 11-foot body of this ore. His claim is located 16 miles northwast of Caliente.

SENSATIONAL SANDSTORM.

Discovery Made There Probably the Best In Goldfield District.

The sinking of a new shaft 500 feet away from the present one has been decided upon. This shaft will con-The strike in the Oddie & Gardner decided upon. This shaft will con-nect with the MacDonald ledge at a depth of 970 feet. ease on the Sandstorm, which was briefly referred to in these columns last week, has already developed to an Barton Pitman, the Tonopah broker, was heard from by offering a resolu-tion requiring quarterly reports bearing extent which indicates that it is in all probabalility the greatest discovery ever made in the Goldfield district. The on the ditions. trike was made on ground recently eased to T. L. Oddie and Major Gardof it was 11,000 shares, the stock owend and proxies held by Mr. Plttman. er, and immediately adjoining the old In the election of officers Charles E Knox was named as president; A. C ease of these gentlemen on the south. A lodge was uncovered last week with-Ellis, Jr., vice president; R. P. Dunlap in a few inches of the surface, which is about 18 inches wide and shows average secretary and treasurer: George F Badgett, second vice president Charles E. Morris, C. W. Whitley George S. Nixon and George A. Bartssays of more than \$10,000 a ton, nug gets as large as a hazel but being found in the ore. The loose dirt for a distance of 20 feet on each side of the let were named as directors. Don B Gillies of Butte was selected by the edge and to an unknown depth carries ledge and to an unknown depth carries average values of \$1,000 per tou. Pan-nings of this dirt show particles of gold the size of a grain of wheat. This sur-face material is being screened and sacked, and up to yesterday morning about 200 sacks had been filled. It will probably take another week to gather up this surface depend and there work board of directors as general manager FISH LAKE VALLEY. M. L. Effinger, Formerly of This City, is M. L. Effinger, manager and half owner of the Lookout property at Fish Lake Valley, returned last Sunday from the mines and reports that the up this surface deposit, and then work will begin on the ledge. The extent of the ledge formation has not yet been determind, but from the surface indiproperty is looking exceedingly well, says the Tonopath Miner. Elight ore-shoots have been opened up. The deep-est shaft is 75 feet deep, at which point cations it is between 30 and 40 feet in width, and for this entire distance is probably of a high-grade milling value. The scene of this great strike is on the northern slope of Columbia mountain, est shaft is 75 feet deep, at which point the ledge is 4 feet wide and averages about \$60 a ton, with a 12-inch streak which assays \$129. Geo, E. McClelland, one of the principal owners of the Jum-bo at Goldfield, last week bought the half interest of Gilbert & Thompson in the Lookout, paying therefor a large cash consideration. Messis, Effinger and McClelland contemplate the ere. bout two miles northeast of the Com ination, the January and the Jumbo

nd this latest discovery has very intertally extended the proven minand this latest stal-bearing territory. Hundreds copic visited the property during the reck, and a large number of leases have been taken on the Sandstorm and adjoining properties.-Tonopah Miner.

B. W. & H. SHIPMENT.

Lower Mammoth Leases.

work proceeds

A 13-Ton Lot of \$100 Ore Reached the The Joshua Mann Group Sold to L. L. Local Market Today.

Patrick of Tonopah. A car load of ore was received it A majority interest in the St. Ives Salt Lake today from the B, W. and Goldfield, has been sold and has re-sulted in the organization of the St. H. mine, located in the Gold Mountain istrict, not far from the Annie Laurie It is a 15 ton lot, and runs \$27.74 gold, and \$72.74 sliver to the ton. The ore Ives Mining and Milling company. L. L. Patrick of Tonopah has purchased the Joshua Mann group of five claims situated near Dlamondfield, in the Goldfield Mining district. mes from tunnel known as No. where the development work is being arried on. It is now the plan of the

ompany to cross-cut and drift on their vein, which seems to be getting richer CONCENTRATES.

H. S. Joseph is in Tintle on mining ALBION GETTING INTERESTING business today. Lots of Water In Tunnel and Some Ore Goldfield, Nevada, is soon to be light-

d by electricity. Coming In. The Grand Central and Mammoth are Manager William Hatfield of the Al-

sion mine of Alta said today that conn the market today with ore. ditions at that property are constantly Two car loads of Uncle Sam concen-

growing more interesting. The striktrates are at the samplers today. ing of the heavy low of water recently was indicative of the near approach Manager Walter C. Orem of the Utah-Apex mine of Bingham is in camp toan ore body. Considerable ore has

nade its appearance in the face and Manager Hatfield believes important Another car load of lead ore from lews can be looked for almost any the Gilmore property of Idaho is in today's market.

A car of ore from the Naildriver mine at Park City will reach the local mar-ket within the next few days. The leasing system has gained more opularity in Tintic, and it is to be

Seventy tons of bullion has been turned out from the late run of the populatively in finite, and it is to be tried extensively in the Lower Mam-moth mine. At the meeting of the di-rectors of the company a few days ago it was decided to lease all the levels above the 1,000. smelter at the Dyer mine near Vernal. Broker Ed Copley, accompanied by A. G. Huebner, of Detroit, came in

Correspondenc second class, 70,834 tons, of a net value of \$25, or \$1,770,850; these deductions Minot, N. D., Sept. 12 .- Twenty-five

years ago, Maj. J. W. Powell, the based on results derived from sales to greatest American aubtority on irriga-In the exploratory work performed tion, fold the people of North Dakota, during the year as much as 4,328 feet of underground workings were opened un-making the total for two years 7,337 at their constitutional convention, some plain facts about this semi-arid section which they were then loth to believe, The MacDonald ledge, which has been but which have since proven only too a prolific one in the past, has main-tained a width of 12 feet, and it has true, He told them that in the western portion of the state they would have to depend upon irrigation, and cut on the 795 level is advancing and that in the eastern part they could the management anticipates that it wil grow good crops with natural rainfall; but that in the mfddle portion an entire dependence upon rainfall must ultimately bring disaster; that they would have a series of years when there would be abundant crops, and then for a number of years there would be scant rainfall when crops would fail and dis-aster and discouragement would over-

take thousands of people. Up and down the temperature of agriculture would rise and fall with the seasons-the lean years and the fat. "You will," he said, "hug to yourselves the de-lusion that the climate is changing. This question is 4,000 years old. Nothing that man can do will change the cli-mate. There is almost enough rainfall, but one year and another you need a little more than you get. It is flowing rast you in your rivers."

These words seem truly prophetic as the history of the Dakotas is reviewed, back 25 years. The lean years came and the fat years-the years when there was plenty of rain and the soil produced abundantly, and the cycles of lean years came, when the farmers watched vain for the fructifying rainfall and their crops burned to a brown and a orisp and finally they abandoned their somes by hundreds and by thousands For three years in succession during that period. I was told, land which be-fore had since yielded 20 bushels of wheat per acre, produced but two poer bushels, while thousands of acres were never even harvested.

WASTE OF WELATH.

And the wealth of an empire is go ing by in the rivers as Maj. Powell stat-ed-flowing uselessly to the ocean. That is apparent enough to anyone visiting the country. How to get the water on to the land is the question. For the the reason that dry succeed, but little farmin max has been taken in irrigation. But the farmers of North Dakota are awakening. They are realizing that it is a false pride which pro-claims that irrigation is not needed. with irrigation they will have a for with irrigation they vasily more safe and sure crop and one vasily more productive. The business men, too, ire beginnig to see that small farms intensively cultivated and made to pro duce the maximum yield, contribut much more to the growth and upbuildof the state than do large ranches half farmed, or wild hay land.

FORCEFUL MISSOURI.

A certain western senator, in a cloak room conversation on irrigation last winter, stated it as his belief that the Missouri could be dammed at various points, and all its flood waters saved This statesman or irrigation. from the far, far west, where all things are easily possible. The Missouri is a vast yellow giant. It flows through North Dakota, even in low water time a titanic mill-race, in which a strong swimmer may perhaps trust himself, and be swept down stream as fast as a man can run. In flood, when the Rocky Mountain snows are melting, t is the embodiment of power if not destruction, tossing its tawny mane as it sweeps before it millions of tons of earth, cutting out new channels and earth, cutting out new channels and building up new lands miles and miles in extent. Some day, it may be pos-sible to put in a great dam a couple of miles wide at one or two points, where the river is confined between high sandstone bluffs; but this would be a work which, while it would create



a great empire of its own, would make the Nile dam, with its 25 millions of