DESERET EVENING NEWS: SATURDAY, OCTOBER 3, 1903.

A Million Dollars Ahead of Last Year

HE mining industry in Utah was | of the heaviest shippers to the local ; in a second a second never in a more flourishing markets. Unless this property brought handsome returns to it sowner it is a condition than it is at the present time. Progress has been sure thing the Montanan would not truly wonderful during the past waste much time on it.

nine months; the treasure vaults of the mountains have given up their precious con-

tents more liberally than ever before in the same period of time. It is a golden story that has come from the camps far and near and it is but partly told in the table of dividends paid, which accompanies this article.

26

It is safe to say that the mines of this state have already produced more wealth this year than they did all of last. That is surely a marvelous record of advancement; but the statement is amply borne out in making a comparison of the amount of dividends which have found their way into the pockets of shareholders in some of the state's largest producers.

Think of it! Ten Utah mines have distributed \$3,320,500 since Jan. 1, last, as against \$2,498,000 paid by nine mines during the same period last year; an increase of almost \$1,000,000. But these figures do not represent all the dividends checked out during the year. There are quite a number of close cor porations doing business in Tintic, Bingham and elsewhere, which do not make a practise of letting the general public know just what they are doing or what their earnings really are.

Unquestionably, if the books of these concerns were open and the truth were known the foregoing figures of the present year's production of "velvet" would be materially increased; yes, to, more than \$4,000,000. The Gemini, one of the corporations of the latter class, is probably the largest dividend payer in Tintic and from well informed sources the information comes, that its treasurer has checked out at least \$250,000 in dividends since the beginning of 1903. This is but one among the big ones; Senator Clark's Ophir-Hill at Ophir, is another mine about which little is known as regards to its dividend paying capabilities, but it is one

UTAH'S FIRST FAIRS AND

THE MEN WHO MADE THEM.

(Continued from page twenty-five.)

also came out strong in garden truck

in those days, while President Brig-

ham Young also captured some \$1 prizes

for the best egg plant, vegetable mar-

row and other products. To enmerate

all the prize winners would be a huge

undertaking. However, they embrace a

number of names that are household

words in Utah today. Coming down to

MORE ARE COMING. It will not be very far into the fu-

ture until several of Utah's present heaviest producers will enter the dividend column; among these are the Bingham Consolidated and the United States, both of which are earning good money, but who are letting it apply in paying off indebtedness incurred by the purchase of new properties or supplying the mines with proper equipment for the extraction and reduction of ores.

Other prospective payers of the near future are the Utah Copper and the Yampa of Brigham; the Daly-Judge of Park City: the Columbus Consolidated of Alta, and it might be well to include the Majestic Copper of Beaver county. The century of Park valley, Boxelder county, made its initial appearance in the "velvet" column in August last. The Grand Central and Sacramento did not pay in 1902, but made their re-appearance this year. May Day, Yankee Consolidated and Ontario made distributions last year, but have failed to do so this, nor is it likely that they will unless it should be Yankee Consolidated which is in a very good physical condition.

LAST YEAR'S RECORD.

In his last report covering the calendar year 1902, B. H. Tatem, in charge of the United States assay office at Helena, which is the only government report to be had, made the statement that the value of the precious and baser metals produced in Utah during that period was \$27,882,153.59. This amount was obtained from the following:

Quantity, Value. Gold, fine oz... 192,156.888 \$3.972,235.41 Silver fine oz... 12,678,036.66 16,391,804.97 3.017,415.06 4.500,698.15 Copper.fine 1bs, 25,954,026 Lead, fine 1bs..110,609,441. lem Total\$27,882,153.59

COMPADATIVE RECORD OF UTAH MINE DIVIDENDS FOR THE FIRST NINE MONTHS OF 1902 AND 1903.

Location. 1902 1903 20,000 \$ 125,000 Century, Park Valley 305,000 150,000 Daly-West, Park City 720,000 981,000 Grand Central, Tintie 150,000 May Day, Tintic 12,000 Ontario, Park City 135,000 Sacramento, Mercur 45,000 Silver King, Park City 900,000 900,000 South Swansea, Tintic Utah, Fish Springs 6,000 *Utah Consolidated, Bingham 325,000

Total \$2,498,000 \$3,320,500 *Estimated.

Tatem made his computation by taking , Producers have been urging upon the | among its citizens. the coinage rate for gold and silver, smelting and transportation companies and the average NewYork settling price for copper and lead; the former being \$11.626 and that of the latter \$4.069 per

When it is considered that the condition of the metal market is notably better than it was a year ago, which, added to the increased production, the result can easily be contemplated. Lead has commanded a much better price all the way through while the average for copper is agreeably greater.

ROSY IN TINTIC.

The present year has brought forth some very pleasing changes in the Tintic mining district in Juab county Those who complained a few month ago that the old camp had seen its best days are changing their tune and are now ready to admit that the future is still bright. The probof treating the low grade ores of the district has not been com-

to grant them a reduction in the existing tariffs, but so far, with only fair success. Some producers have undertaken to provide milling facilities which, they believe will relieve the situation as far as they are concerned. But in the way of development the Tetro. Star Consolidated and Yankee Consolidated have made gratifying headway. The old Centennial-Eureka has continued its search for new ore bodies with gratifying success, at the same time forwarding to the smelters ores at the rate of 225 tons per day. The discoveries in the Tetro, Yankee and Star, seem to have given the camp renewed vigor, companies owning properties in the camp and which have conducted explorations with indifference

during the past year or two, have taken on new hope and are pushing development as they had done formerly This arousing of interest has been

spontaneous; the district is lively again and good feeling prevails everywhere

strong financial concers, which are in | to Salt Lake and established in the position to bring before the investing public the claims of mining proposi-tions as sound investments, and to or-ganize and promote companies for leglitimate money purposes. Such com-panies are a boon to the investor when they are conducted on honorable and up-to-date methods, while they afford a medium by which the mine owner may obtain the necessary capital to work his property to the general advantage of his fellow stockholders. No company in the west has been more successful in the direction indicated than the Glasgow & Western Exploration company, whose offices are at suite 317 McCornick building. The company is under the very able management of Mr. O. H. O. Stalmann, general manager, and ex-pert in all that pertains to mines and

mining, an honorable, progressive and reliable official and a most esteemed business man, while Mr. Joe Farren, an

general business here in February of this year, locating at No. 418 Dooly block. In his present position he does all kinds of mining work and renders all the usual services within the prov-ince of his profession, making surveys and maps, inspecting and making de-tailed scientific reports on mining properties in behalf of investors, and ren-dering valuable service as a consulting engineer. Upon location and the prac-tical workings of mines he is one of the best posted men in the state, and his past service proves his thorough reliability.

HOLLMAN, PAYNE & CO. Lumber, Chemicals and Coment.

It is an admitted fact that the forest most valuable assets and the lumber industry is one of first import-ance. The Southern forests are now being worked as never before and they sold. dent of the company; T. M. Farreil of Pocatello, vice president; C. C. Gott, are yielding abundantly hardwood and pine, while the great Northwestern for-ests of Oregon, Washington and adjoinsecretary and treasurer, and C. S. Smith, E. A. Cook and Robert Leroy are included in the board of directors, ing states have yet many years before any appreciable diminution of them their wealthy of lumber will be noticeable. Among the largest brokers and whow sale dealers in lumber and its products in the western states is the firm of Hoiin the western states is the firm of Hor-man, Payne & Co., their main office being at 310 Dooly block, this city, They have also a branch office at 640 Cham-ber of Commerce, Fortland, Oregon. The busines was established here ten years ago, and the proprietors of the Salt Lake house are Mr. George P. Holman and Mr. A. E. Payne, while in the Portland business they have Mr. the Portland business they have Mr. Phelps Holman as an additional part-ner. They do an immense business in lumber of all kinds and make a special. ty of mining and construction timbers. They buy large quantities at the lowest cash figures, discounting all bills, and are now taking the entire output of several mills. This places them in a position to offer the trade the very lowest prices, and the best terms ob-tainable. Their business is strictly wholesale, car lots only, and has stead ily increased until their shipments nov amount to over twenty million feet pe year. In cement and chemicals they also deal extensively and handle only the most reliable goods. They fill all orders with dispatch and their exten-sive trade covers Utah and parts of Idaho, Wyoming, Nevada and Montana. They also act as brokers in the han-dling of the commodities mentioned and are prepared to receive consignments for sale on a commission basis. For these they secure the best current prices, charge a moderate commission and make prompt cash returns, while their business is conducted highest plane of commercial honor and

mines of the district, a great undertaking, is drawing to a close and by the end of the month will be open to traffic for the ores of the Boston Con., which will then commence sending its ores to the valley smelters. The Bingham Con. has made great progress in the way of development and the Utah Consolidated has more than surprised its management. Such enormous ore reserves have been opened that it was decided some time ago to enlarge the capacity of the company's smelter. The plant has been handling ore to the amount of 500 tons per day and this is to be increased to 800 tons. The plans are now complete and it is

1.500

9,000

, Copper Belt Railway to the principal |

only a matter of a few days until the contracts will be let for construction and equipment. OPERATIONS AT STOCKTON.

At Stockton, just over the range from Bingham, everyone is waiting for the completion of the Honerine drain tunnel. With few exceptions little exploratory work is being performed pending the completion of the great bore which will ultimately unwater the district. While this enterprise is being carried to completion, the Honerine Mining company, has ground broken for a gigantic milling pant near the mouth of the tunnel, where ores from many of the mines of the camp will find treat ment.

IN BEAVER COUNTY.

the De Lamar-Wall group of 120 acres, and has a new concentrator The launching of the Newhouse in the course of construction. The in-Mines and Smelters company in Beaver itial plant will have a capacity of 500 county is by all odds the chief event of tons per day, which ultimately will be the year in that portion of the state. increased to 1,500 tons per day. The The developments made in the Cactus Columbia Copper company has but remine have been of a nature which has cently passed into new hands, and its been astonishing to Mr. Samuel Newnew owners contemplate improvements house and his managers. The former running up into the hundreds of thoushas declared that the Cactus is the ands of dollars. The Tintic company most wonderful mine with which his owning the Yampa mine, has a smelname has ever been associated. Early ter well under construction and before in the year plans were laid for the the close of the year will be feeding the building of reduction works capable furnaces with several hundred tons of treating from 1,000 to 1,509 tons of daily. In the Yampa mine some marore daily. These plans are well-nigh velous bodies of ore have been blocked matured and the preliminary work is out. The extension of the Bingham well advanced for the building of an

DUCTION CO.

holdings and in the promising results of the development work now in prog-

ress on its properties, the O K Exten-sion Mining and Reduction company

having its headquarters in Salt Lake, is one of the most important mining organizations in Utah. The properties

23 claims, located in a commanding position in the Beaver Lake mining district, covering what is believed to

be some of the richest mineral bearing ground in Beaver county, and known

the company comprise a group of

In the extensive character of its

enterprise which will mean the expenditure of several millions of lars. Another event of portance in Beaver county is the com. pletion of the Majestic Copper com. pany's new 400-ton smelter; the lead furnaces are practically ready to "blow in" while those of the copper depart. ment will follow within the course of a few weeks. While the Majestic has had to contend with many annoying difficulties, it now seems probable that the present management has overcome the obstacles which, in the past, have hindered success. It is encouraging to note that wherever development work has been systematically performed in the copper belt of Beaver county the results have been of a nature quite sat. isfactory, as has been demonstrated in the Beaver Consolidated, Blue Acre. Copper Mountain, O. K. Extension and

PROUD RECORD OF UTAH MINES FOR NINE MONTHS.

> other mines. PARK CITY EVER FORWARD. Park City has forged ahead and leads all others in the record of dividends. One new modern 100-ton concentrating mill has been built in the camp this year; this at the Keith-Kearns mine, and the plant will go into commission before the close of the present month. The Ontario company is preparing to follow suit, with an initial plant capable of reducing 50 tons dally.

IN GOLD MOUNTAIN.

In the Gold Mountain district, the Sevier Consolidated Mining company, has built a new mill and has otherwise

prepared for a vigorous campaign. In other camps similar progress has been made. The Sierra Madre dis. trict, north of Ogden, has recorded some important strikes, which indicate that the camp will soon become an im, portant factor in the state's production of metals.

SCARCITY OF LABOR. One evidence of the prosperous condi-

tions prevailing throughout the mining regions, is the scarcity of labor. The demand for men to work in the mines has been greater than the supply and some producers have experienced much difficulty in getting desired help.

10 K EXTENSION MINING AND RE-

Topliff, a gentleman of sound experi-ence in the business and strict integrity, who is very successful on the company's behalf and has built up a large and in-fluential business. The company are manufacturers of and dealers in rock duilts air compressors procumatio tools drills, air compressore, pneumatic tools, and general mining machinery.

Their Little Giant Drill represents the highest development in rock drills, being simple, efficient and rapid. The Rand Air Compressors are simple, com-pact, durable and efficient and a large number of both their drills and com-pressors are now in successful opera-tion. The firm is prepared to furnish very moderate estimates on these as well as on general mining machinery of all kinds, including entire plants, and their figures will be found very close in all directions. All orders receive prompt attention and shipment. Topliff looking well after the interest Mr.

As a basis for the above figures, Mr. | pletely solved, but it will be in time. A. Mitchell.....Sept. 30, 1863 F. SheetsSept. 30, 1863 was heretofore known and emphasizes the assertion that there never has been a vein of ore worked out in the Uintah Brigham Young......Dec. 1, 1863 John W. Young.....Dec. 1, 1863 mining district in which the Ontario mine is located. The mine was first discovered in 1872 and was afterwards 1863 sold to Messrs. Haggin, Teirs and Hearst. A stock company was formed in 1874, and reorganized in 1877 since which time it has been continuously 1864 1864 A. F. Farr Jr.Aug. 17, 1864 Lorin Farr......Aug. 17, A. F. McDonaldAug. 17, Charles TweivesAug. 17, Geo. W. WardAug. 17, Salmon WarnerAug. 17, J. S. Smith 1864 under the one management and to this must be largely credited the great suc-cess achieved. The superintendent is 1864 Mr. C. L. Rood, and he is also the very able, experienced manager. Mr. J. D. 1864 1864 Haggin is treasurer, while Mr. F. G. Crum is the president and these are

DALY MINING CO.

gentlemen of the highest standing in mining, business and financial circles. The office is in the Masonic temple.

5,000 954,000 75,000 BIG THINGS IN BINGHAM.

Big things have been performed in

Bingham this year. Several strong com-

panies have been formed and are now

spending a vast amount of money pre

paring their respective properties for

regular production. The Utah Copper

company, a few months ago took over

words in Utah today. Coming down to	H. B. ClawsonOct. 1, 1873
handiwork, W. J. Hooper was awarded	Thomas Waddoups, Jr Oct. 12, 1872
	Thomas R. Jones Sept. 25, 1873
\$1 for his sample best pair gent's stoga	
boots, while Morris Bros. got away	Charles CooperSept. 30, 1873
with first place in the ladies' bootee	Joseph E. TaylorOct. 1, 1873
	George Romney Oct. 4, 1873
contest. A. P. Funck secured the prize	John Reading March 14, 1874
for yellow ochre and Venetian red, D.	Henry, Dinwoodey March 14, 1874
H. Wells, for the best five kegs of cut	A. M. MusserMarch 14, 1874
nails; and W. A. McMaster for the best	William Thorn March 14, 1874
twine and cord. Among the artists,	Mrs W. C. MorrisOct. 12, 1879
Cannon & Savage took the first di-	John H. White
ploma for the best daguerrean board,	Mrs. Priscilla Jennings. Sept. 29, 1888
while W, V. Morris was awarded the	H. Pembroke
sum of \$3 for the best specimen of sign	L. G. HardyNov. 2, 1888
painting, and so on down the line, not	David JamesNov. 3, 1888
forgetting the late Alexander Pyper,	Thomas W. Jennings Nov. 3, 1888
father of the present manager of the	J. M. MartinAug. 27, 1889
Salt Lake Theater, who received a	H. J. Grant
diploma for samples of sulphur and	Mrs. Arthur Brown Oct. 2, 1889
saltpetre.	Ben R. EldredgeOct. 2, 1889
LIPP MEMORDONDO	H. P. Mason Oct. 11, 1889
LIFE MEMBERSHIPS.	William BarberOct. 6, 1891
	A. E. DeRicqlesOct. 4, 1892
Following is a full list of the life	Thomas Pierpont
memberships of the D. A. & M. society	John Q. Cannon
and the dates upon which they were	Joseph A. Jennings
obtained	Alma Pratt
Name. When admitted. H. J. Faust March 1, 1863	James A. Eldredge
H. J. Faust March 1 1863	W. J. Silver
Iohn R. Winder	Stephen Stanford
	R. M. Humphrey

Mining Machinery & Supplies, Engineers, Etc.

AMERICAN SMELTING AND RE-FINING COMPANY.

Few enterprises in our state have been of greater service to the mining interests or have been more eminently successful than the American Smelting & Refining company, whose main office is at 71 Broadway, New York city. This great corporation, which operates in various parts of the mining states of our Union, completed late in the spring of 1902 a magnificent plant eight miles south of the city, and early in the sum-mer its first furnace was blown in. It has eight furnace and out of the sumhas eight furnaces seven of which ar now in service, capable of treating 1,400 tons of ore perday. When the remaining furnace is blown in the company will plant 1,600 tons of Are per day. In ad-dition to this magnificently equipped plant, which was erected at consideraaltion to this magnificently equipped plant, which was erected at considera-ble cost, the company anticipating a very large increase in business in the mear future have bought, refitted, re-modeled and brought up-to-date the old Germania works and with these can handle an additional 800 tons of ore. Both of these plants have the best for Both of these plants have the best fa-cilities for receiving and shipping freights being along the railroad tracks, and they contain the most mod ern machinery and appliances and are operated by experts. The company are refiners of gold, silver, lead and copper and manufacturers of copper sulphate, and by their process, which is the most perfect, as it is the most economical, all ore values are saved. Since open-ing up the plant the company has been accorded a very extensive and constantly growing patronage, the mining companies finding it not only able to do the best class of smelting and refining work, but all orders are turned out promptly and the company's charges are extremely moderate while patrons receive the most honorable and uprigh treatment. To those who have benefited the enterprise displayed by the American Smelting & Refining com-pany, the company is looked upon as a very important factor in successful conduct of their operations, and there are few in the mining districts that will not benefit by the company's operations if they get it to do their work. The management here is in the hands of very able and experienced men. Mr. C. W. Whitley being manager, Mr. W. A. W. Whitley being manager, Mr. W. A. Price, assistant manager, and Mr. R. D. Rhodes, superintendent. They are held in the highest esteem by the patrons of the company. No industry in or around Salt Lake City is doing so much for the advancement of this section as is the new smelter at Murray, which gives employment to a large force of men at good wages, all of which is spent with the merchants of

treated their employes well by pay ing them the highest wages in the val-ious departments. Mine operators have the benefit of the company being buy-ers of gold, silver, lead and copper ores, mattes, builton and furnace products, for which they are always pre-pared to pay equitable prices, and all inquiries as to selling any of the above are promptly attended to. The com-pany is meeting the success it deserves and it is a very important factor in our city's future as well as that of Mur-ray, Utah, where its plant is located, ray, and where all consignments shoud be shipped.

THE ONTARIO SILVER MINING CO.

ever questioned the mining vealth of Utah they have only to refe to the Ontario mine owned by the On-tario Sliver Mining company, to be convinced that no state in our Union is richer in mineral wealth, and that, if properly conducted, mining is one the best invetments this state offe the best invetments this state offers. Up to date this company has paid dividends amounting to \$13,932,500.00 and this on a capitalization of 150,000 shares

of par value of \$100 per share. In 1901 the company paid \$20,000 and in 1902 \$180,000. There have been no ore shipments so far this year, they will be shortly resumed. but The company is now creating a large con-centrator to treat its low-grade ores. It is expected by the end of 1903, the mine will be producing with a full equipment. This is in addition to the enormous expenditure on development, machinery and tunnel work, the mine having two drain tunnels, one completed several years ago over 6,000 feet in ength and which drained all the wate above the 600 foot level. The other completed six years ago has been extended so as to drain all the properties of the company and that of the Dalymine, which is practically owned by the same stockholders and is under the same executive and this affords a gravity outlet for all the waters from the mines above the 1,500 foot level. This tunnel is nearly four miles in length and cost about \$750,000. The shafts, tunnels, levels and stopes of the Ontario together with those of the Daly give nearly 160 miles of underground workings. Shaft No. 3 has been such to a depth of 2,000 feet, at which point some silver-lead ore was encountered in the shaft itself. The extent of this body of ore being still unknown. Drifting on the vein proper is now in prog ress and indicates a continuation of th away.

same ore chutes as found above. Th tion as is the new smelter at Murray, which gives employment to a large force of men at good wages, all of which is spent with the merchants of our city. The company has always

Among all the men interested in mines and mining, few are as well known in Utah as is Mr. C. L. Rood, who has large mining interests in this state and is president or manager of several of the best propositions that have ever been placed on the market. One of these is the Daly Mining Co., whose office is at 2 Masonic Temple building and which paid in dividends up to January 1, 1903, no less a sum than \$2,887,500. With the beginning of this year the management have begun prospecting in ground near the "Quinwith excellent chances of success, several years the upper levels have been worked on lease for a 25 per cent royally. There is much virgin territory on the Old Daly, and great things are still predicted for this great things are stin predicted for this great mine. Operations are now being con-ducted through a new shaft No. 3. Shaft No. 2, equipped with a very fine boist, is 1,000 feet in depth. The mine can also be operated from the level of the big Ontario tunnel which passes under the Daly at a depth of 700 feet. No effort will be wanting on the part of management to make the mine a dividend-payer.

THE UTAH MINE.

This is one of the rich and famous nines of the state, giving wonderful promise for indefinite time. It is a noted producer of silver and lead. The company owning and operating the property was incorporated under the laws of Utah, in July, 1892. Mr. George Crismon is president of the company; A. Haneaur, Jr., vice president; E. T. Crismon, treasurer, and E. M. Weiler, secretary. The company occupies official headquarters at room 411 McCor-nick building. The officers are all well known and highly esteemed citizens of Sait Lake, having interests in common with the people of the state and promnent among the promoters of the gencommonwealth.

The Utah mine is located at Fish Springs, Juab county, Utah. The out-put of the property, from its discovery in 1891, to the present time is over 6,000 tons, averaging about 50 per cent in lead and 145 ounces per ton in silver, and having a total value of \$700,000. This amount of production is large,only then the disadvantages of transporta on are considered, not only in 116 light of extreme cost, but because greatly limiting the work of developnent and discouraging effort for max inum production. The company ships its ores 75 miles by team and 150 miles by rail, and it costs \$14 per ton to deliver the ore to the smelter at Salt Lake City. Notwithstanding this heavy cost of a necessarily glow and restricted work, the company has paid in dividends since Jan. 1, 1903, the sum of \$6,000, and the dividends from the mine to date aggregate \$209,000-a splendid showing in view of the embar rassing conditions described, and most encouraging for the future of the en-terprise; for the riches of that section of country must necessarily ere long assume ample railway transportation and the consequent enlargement of production. The mine is equipped with the most modern and best machinery and everything is in spiendid working order. From the main drifts many others

have been run in various directions, in-cluding stopes after ore, aggregating three miles in all. There have been opened seven levels on this property, all connected with the main working shaft. The surface workings on this mine consist of a large hoisting plant, equip-ped with a 50-horse power gasoline engine and air compressor, and all the necessary machinery, ore bins, etc. and everything in fine working order. The mine is reached by an excellent wagon read from Fish Springs held. road from Fish Springs, half a mile

THE GLASGOW AND WESTERN

expert mining man of wide and values experience is the general superintend-

The company conducts its operations in Utah, Idaho and Nevada, and has done as much as any other concern to open up and exploit the mining camps open up and exploit the mining camps of this section. They have a number of fine mining properties in Nevada which are equipped with the most modern mills and they also have their own modern Smelter. They are now devel-oping a number of fine properties, which are giving splendid results. Over at the Adala the splendid results. Adelaide group, out of Golconda, the blocking out of copper, gold and silver bearing ores continues steadily, the active stoping and smelting of them to follow a better market. The Glasgow Western Exploration company ar doing immense good by exploiting and opening up the mineral wealth of this great intermountain region.

UTAH CONSOLIDATED MINING CO.

The Utah Consolidated Mining com-The Utah Consolidated Mining com-pany of New Jersey, incorporated under the laws of that state, has taken over the properties of the Highland Boy Gold Mining Co., and is one of the great copper mining enterprises of Utah. The company, however, under a strong financial organization, own some of the richest copper producing mines at Bingham and operate their own mills and smelter. But copper nines at Bingham and operate their own mills and smelter. But copper is not the only source of wealth in these mines. The ores carry good values in silver and gold, and the operations are carried on with as great vigor for the recovery of the precious metals as for the large production of copper. The mines are now in a fine store of co mines are now in a fine stage of us-velopment, all the most modern ma-chinery and appliances of power. The record thus far of the company's oper-ations is that of wonderful production and the total dividends, issued to date, are \$1.685,000. This speaks eloquently and in volume for the future of this integrity. great enterprise, and is most encour-aging to the mining industry generally in the state. Its great reputation now, as it must continue to be, is for large copper production. The aggregate of a year's work will make a showing of diver and gold that is not to be ignored ltogether the property is gilt edged and the properties under development are well known for their vast riches. The company opened its office in this city at the beginning of operations with Mr. R. H. Channing, Jr., as manager, at rooms 405 and 406 Dooly building. Mr. M. W. H. Broughton of New York

actions; and this reputation goes with the name of the company throughout City, is president of the company, a fin-ancier of the highest standing, while other members of the company include production and great lack of trans some of the best known men in Salt Lake and elsewhere in the state, who have reason to congratulate themselves upon the fortunate venture they have made. The mines have a fine equipprimitive machinery and the difficulties of obtaining sufficiency of ores for profitable operations. But the changes and improvements wrought by time tave now put them in a position to Salt Lake, and the sampling mills at and most powerful modern machinery, and all the facility for unlimited work. The company has engagements with many of the leading mines of the state and the western mining regions, and inin their enterprise and have contribut-ed as much as any agency in the state to the support and advancement of the mining industry of this section.

PIONEER ORE SAMPLING COM-PANY.

Twent-eight years in the business among the mines of Utah clearly es-tablishes this company's right to its name. Within that long period it has grown until it is one of the foremost in the state, both in the importance of its engagements and the excellent repu-tation it has made for perfectly fair and reliable dealings in all its trans-actions; and this reputation goes with the mining regions of all the adjacent states and territories. Starting in the picturer days, when there was scant tation facilities the company had to conterd against all the crudities of nandle all the ores obtainable. This en-terprise was founded by the late Rich-arl Mackintosh and was operated by arti Mackintosh and was operated by him until bis death, when it was bought by Mr. A. J. Cushing, superintendent ard Mackintosh and was operated by Mr. Mackintosh. It was subsequently acquired by New York capital, who are represented by Mr. J. B. Jenson as president and manager of the company, and Mr. Cushing as superintendent of and Mr. Cushing as superintendent of the works. The office of the company is located at No. 308 McCornick block, Sandy, Utah. Here the works are equipped with all the latest improved vite consignments of ores from what-ever source. Messrs, Jenson and Cush-ing are most active and indefatigable

to contain copper, silver and gold. The O K Extension Mining and Re-duction company is incorporated under the laws of Utah for 300,000 shares, at a par value of 50 cents each; 210,000 hares have been set aside for treasury of the company's potrons in this sec sales and 110,000 have already been I. leaving 100,000 still in reserve. J. McMullen of Salt Lake is presi-

BINGHAM'S NEW MATTING SMELTER.

This year will witness the completion of another great smelting enterprise in the Bingham camp, and following its installation may be expected some of the most marvelous revelations of ore the latter gentleman acting as super-intendent at the mines. About three years ago, President McMullen believing that the district offered exceptional production from the properties opportunities for exploration, began operations there and it has been through his masterful handling of the Work of single company in the state. construction was begun on the new smelter in June, by the Yampa Smelting company, a branch of the Tintic comsituation that so much has been ac-complished in the face of the great pany, owners of the magnificent Yampa difficulties, financial and otherwise, that is usual in the beginning a glgroup of claims adjoining the Highland Boy. The splendid showing made by these mines in the latter half of 1902, led to the serious consideration of the feas-ibility of the smelter profit the feasgantic undertaking. More attention is now being drawn to that territory than ibility of the smelter project as a part of the company's local operations. The great improvements made and fur-ther revelations in the mines since the estimates upon which the designs of a matthematication. to any other part of the state, excepting, perhaps, Park City, and expert mining men and others are of the unanimous opinion that the O K Ex-tension Mining company have a magmatting smelter were first considered, have cleared all doubts as to the wis-dom if not the necessity of the undernificent property. The results of de-velopment work, though as yet very limited, strengthen this opinion the taking. Late last fall the lower tunnel was driven to a connection with the ore bodies about 2,500 feet on its line. more and more as progress is made. Development work thus far consists of about 1,100 feet of shafts, tunnels, in-clines, etc., most of which has been undercutting the upper workings, where the great ledge had been opened to a depth of 700 feet from the surface, and for a distance of 1,400 feet along the strike. In that stretch of 700x700 feet, done on the Knight, Road side, Elk-ton and Amended Midnight, the last 3 named claims forming respectively the south, west and north boundaries of the O K mine, which was the foundation strike. In that stretch of 700x700 feet, ranging from S to 40 feet thick, approxi-mately 490,000 tons of ore had been blocked out, sampling 2½ per cent cop-per, \$1.20 in goid and 2½ ounces in silver per ton. The amount of ore declared to be practically in sight above the lower tunnel, is estimated at 1,500,000 tons. Developments both in the upper and lower workings have within the present year shown far greater results than the above figures indicate, startling as the amount may appear. Hence the com-pany feel that they have been fully jusof the Majestic Copper Mining and Smelting Co., the Elkton occupying a central position in the group. On the former there is an incline 510 feet in depth, from which drifts of 160 feet or more have been run to the north and south and east. In the latter direction an cast and west cross ledge has been encountered, which has a thickness of over 30 feet at the present workings. Its character is that of a low grade sulphide, admirably adapted for con-centration, and, as the values apparpany feel that they have been fully jus-tified in the enlargement of their enter-prise to the erection of a smelter at its prise to the erection of a smelter at its Bingham mines. It is expected that the matting plant will start some time in December at a capacity of 250 tons per day and enlarge as occasion de-mands. The Tintic company is repre-sented in Sait Lake by Mr. G. H. Robia-son, 631 Dooly block.

tention of the management to sink 300 feet or more during this year. A drift is being run to the east on this cross ledge, to cut another vein known to lie parallel to the one which is fol-lowed all the way down by the incline shaft. The ground is easily worked at low cost. This parallel vein is traced on the surface for a long dis-UTAH MINING MACHINERY AND No apology is needed for bringing the attention of our readers, interested in mines and mining operations, to the Utah Mining Machinery and Supply company, whose well appointed offices and salesrooms are located at 224, 226 south West Tampic stread where they

tance. The Knight shaft has been equipped with necessary machinery and buildings. At the Elkton an op-erating shaft has been sunk 70 feet and at 25 feet a 3-foot vein carrying substantial values of copper, silver and gold was uncovered. An important feature of formation in the group is that there is a contact between porphyry and granite running through

ently increase with depth, it is the

six of the claims of this group. The offices of the company are locat-ed at No. 40 Commercial block. Mr. A. J. McMullen, the president, is a min-J. McMullen, the president, is a min-ing operator of great enterprise and foresight and has the record of suc-cess in his undertakings. He is also president of the Skylark Copper Min-ing and Milling Co., the Beaver Lake Copper Mining Co., etc. The O K Ex-tension's properties are located in the same district and touches the Beaver Consolidated The Blue Acre. The Erd. Consolidated, The Blue Acre, The Erle, the Ben Harrison, and the Utah Southern-all good properties.

RAND DRILL COMPANY.

As the center of the mining industry As the center of the mining industry in the intermountain region, Salt Lake City, is a very important vantage point from which the large manufacturing houses of our country can operate, and we have some of the foremost houses we have some of the foremost houses in the line of general mining machinery represented here: One of the largest of these is the Rand Drill company, whoes main office is in New York City, and who have their local office at No. The branch has been established one year and is in charge of Mr. Geo. W.

dimensions, besides utilizing large warehouse facilities on Pierpont avenue. The company was organized one year ago with an ample paid up capital, the officers being Mr. Edward F. Holmes, president; Mr. J. E. Galigher, vice pres-ident and manager; Mr. Walter Secti-secrery and Mr. W. W. Armstrong, treasurer. All able and honorable busi-ness men of wide experience and of the highest reputation and standing in the highest reputation and standing in this city. The company are dealers this city. The company are dealers in mining and concentrating machinery, heavy hardware and mining supples, of which they carry abeavy stock while they are also agents Ingersoil-Ser-geant Drill company whose head office is in New York City. Among the productions of this com-pany who are the leaders in their line pany who are the leaders in their line in the world, are all the Ingersoil and Sergeant patents such as drills, air compressors, channeling machinery and coal cuiling machinery which go to make a plant of either mining, tunnel-

SUPPLY CO.

south West Temple street where they occupy the main floor, 50x500 feet in dimensions, besides utilizing large

make a plant of either mining, tunnel-ing or quarrying machinery complete. Their piston inlet air compressor being the world's best. In all these lines the Utah Mining, Machinery and Supply company are in a position to quote close prices and favorable terms as they do on all the goods they hundle, while all orders are filled and shipped promptly. They are prepared to furmake a plant of either mining, t

made. The mines have a fine equip-ment of mills of the most modern ma-chinery. The smelter is one of the largest in the state, modern and up-to-date, and besides handling the com-pany's ores does a large amount of work for other mines. The company work for other mines. The company employs a large force of help at the mines, mills and smelter, and its affairs are managed with the utmost economy and skill. ARTHUR H. BROWN. No gentleman of his profession oc-

cupies a more important relation to the mining industry of Utah than does Mr. Arthur H. Brown, who as a public mining engineer and a deputy United states mineral surveyor, has been for years past connected with some of the largest undertakings in the west, and is of the bargest undertakings in the west, and is Arthur at the present time engaged in making surveys for the U. S. government on the Uintah reservation. In addition to his general business. Mr. Brown has been the mining engineer for the con-solidated Con. Mercur Gold Mines com-pany at Mercur Uitah for the past pany at Mercur, Utah, for the past three years, a position which he fills with ability and satisfaction. He came