FIFTIETH YEAR

SATURDAY, DECEMBER 23, 1899, SALT LAKE CITY, UTAH.

NUMBER 29

## SPLENDID REGORD MADE BY UTAH

## MANY NEW COMPANIES ORGANIZED

Hundreds of Poor Properties Find Means With Which to Develop Their Claims-Millions of Dollars Capital-Copper Mining Companies Popular.

An immediate result of the big revival of mining in Utah has been the development of a great number of meritorious claims all over the State that have been lying idle for years because of lack of capital to work them, a claim that promises well, can find backing to develop it. That a large number have done so is seen by the unprecedented number of new mining companies incorporated this year.

The records at the office of the secretary of state show the following new organizations, all incorporated since January 1, 1898:

Admiral Gold Mining company, Salt Lake City, \$600,000.

Alpha Consolidated Mining company, Apex Mining and Milling company, Sait Lake City.

Aspinwall Mining and Milling company, \$500,000, Eureka.
Alorn Gold Mining and Milling company, \$150,000, Salt Lake City. Auerbach Mining company, \$50,000, Sait Lake Gity.
Alliance Mining company, Park City.

Adams Copper Mining and Smelting company, \$50,000, Salt Lake City. Aurem Mining and Milling company,

Antelope Gold and Copper Mining company, \$35,000, Salt Lake City, Argonaut Mining company, \$15,000, Salt Lake City. Afterthought Mining and Milling company, \$15,000, Salt Lake City. American Smelting and Refinery com-

pany, \$65,000,000 Jersey City. Ajax and Mammoth Extension company, \$30,000, Salt Lake City.
Argus Mining and Milling company, Salt Lake City.

Alaix Gold Mining company, \$75,000

Salt Lake City, Angell Gold Mining and Milling company, \$50,000 Salt Lake City.

Ætna Mining and Milling company,

\$100,000, Salt Lake City.

April Fool Gold Mining and Milling company, Salt Lake City.
Annapolis Consolidated Gold Mining company, \$50,000, Salt Lake City. American Ozokerte company, \$50,000, Salt Lake City.

Azarite Copper company, \$40,000, Salt Lake City. Bingham Copper and Gold Mining company, \$20,000,000, (Bingham canyon),

Jersey City, Blue Bird Extension, \$40,000, Salt Lake City.

Boston-Nevada Copper company, \$2,-

500, Salt Lake City. Butler Mining and Milling company, \$100,000, Salt Lake City. Bright Light Mining company, \$4,000, Salt Lake City.

Boston De La Mar Gold Mining com-

pany, \$100,000, Salt Lake City. Boston and Tintic company, \$50,000, Salt Lake City. Bullion Hill company, \$20,000, aSIt

Black Warrior Mining company, \$125, 600, Salt Lake City. Boston-Utah Copper company, \$125,-600, Salt Lake City.

Bear Lake Copper Mining company, \$6,500, Sait Lake City. Bingham-Utah Gold Mining company, \$30,000, Salt Lake City. Buffalo Mining company, \$30,000, Eu-

Bunker Hill Mining company, \$50,000, Salt Lake City.
Buckhorn Mining company, \$20,000.

Salt Lake City.

Ben Butler Mining and Milling company, \$50,000, Salt Lake City.

Bonanza King Mining and Milling company, \$5,000, Salt Lake City.
Bay State Gold Mining company, \$50,000, Mercur. Burlington Mining company, \$200,000,

Salt Leke City.

Bingham Gold Placer, \$125,000, Salt
Lake City.

Convolidated Gold and Cop-Buckeye Consolidated Gold and Copper company, \$600,000 Salt Lake City.
Bobup Mining and Milling company,

Hi,000, Salt Lake City.

Buttel and Bingham Copper Mining company, \$10,000, Salt Lake City. Blossom Copper Mining company, \$1,000, Salt Lake City. Balsam Grove Mining company, \$15,-800 Midway. Big Hill Mining company, \$50,000,

Rlumkin Mining company, \$10,000,

Black Hawk Mining company, \$30,000,

Salt Lake City.

Bingham and Salt Lake Mining company, \$4,000, Sat Lake City. Black Pine Copper Mining and Mill-ing company, \$40,000, Ogden. Battle Mountain Copper and Gold Mining company, \$1,000,000, Salt Lake

Brewer Copper Mining company, \$40,-000, Salt Lake City. Bingham and Eastern Copper company, \$1,000,000, New Haven, Conn. Brigham City Copper and Slate Min-ing company, \$10,000, Salt Lake City. Big Indian Copper company, \$50,000,

Black Jack Mining company, \$300,000, Crown Point Mining and Milling com-pany, \$62,500. Salt Lake City. Camp Floyd Gold Mining company,

Salt Lake City. Crown Point Extension, \$25,000, Salt Lake City.
Central Mammoth Mining company, \$20,000, Salt Lake City.

Copper King Mining company, \$3,000,

Copper Globe Mining company, \$50,-000, Salt Lake City. Crusader Consolidated, \$30,000, Salt Lake City. Copper Glance company, Salt Lake Copper Ranch company \$500,000, Salt

Lake City. Chicago Mining company, \$25,000, Salt Lake City. Comstock Silver Mining company, Salt Lake City. Copper Bonanza, \$5,000, Salt Lake Copper Chief Consolidated, \$25,000,

Lake City. Copper Queen, \$4,500, Ogden. Cleopatra, \$50,000, Salt Lake City. Calumet, \$75,000, Salt Lake City. Copper Boy, \$300,000, Salt Lake City. Canadian Copper company, \$500,000,

Salt Lake City. Clyde Mining company, \$40,000, Salt

Salt Lake City. Copper Coin, \$100,000, Coalville. Colossus Mining company, \$25,000, Salt Lake City. Columbia company, \$1,500,000, Salt

Crescent Hill, \$100,000, Park City. Charm, \$250,000, Salt Lake City. Chicago and Bingham, \$300,000, Salt

Dubuque Gold Mining company, \$25,-000, Salt Lake City. Daly-West, \$3,000,000, Salt Lake City. Duchess, \$20,000, Salt Lake City. D. & B. Mining company, \$25,000, Salt

Dagmar, \$50,000, Salt Lake City. East Buckeye, \$40,000, Salt Lake City. El Amigo Gold Mining company, \$75,-

00, Salt Lake City. Eldorado, \$30,000, Eureka. El Rey, \$100,000, Salt Lake City. Elkhorn Gold Mining and Milling company, \$25,000. Mercur.

East Dip, \$35,000. Provo. East Swansea, \$40,000, Salt Lake City. Eclipse, \$100,000, Salt Lake City.

Ensign Aluminum, \$25,000, Salt Lake Ernie Copper company, \$100,000, Salt Lake City.

Elenore, \$30,000, Salt Lake City. Elephant Gold Mining and Milling company, \$20,000. Salt Lake City. East Valeo, \$30,000, Park City. Fidelity Mining company, \$12,000, Salt Lake City

Fortune Mining and Milling company, \$170,000, Sait Lake City. Gold Hill, \$200,000, Sait Lake City. Gold Cable, \$40,000, Salt Lake City. Green Chloride, \$300,000, Salt Lake

Gold Chief, \$12,500, Salt Lake City. Galena King, \$250,000, Salt Lake Gonyon Gold Mining company, \$40,-

000, Salt Lake City. Golden Rule Mining company, \$25,000, Gray Eagle, \$3,000, Salt Lake City, Great Lake Mining company, \$5,000, Salt Lake City.

Gold Ledge, \$40,000. Salt Lake City. Golconda, \$300,000, Salt Lake City. Grand Southern Mining company, Golden Dipper, \$25,000, Salt Lake City. Gold Bullion company, \$30,000, Salt

Lake City. Gypsy Blair, \$150,000, Salt Lake City. Gold Zone, \$40,000, Payson. Grey Copper Mining company, \$40,000, Salt Lake City. Highland Boy Extension, \$3,000, Salt Lake City.

Harvest Mining company, \$100,000, Ogden. Headlight Mining company, \$30,000, Salt Lake City. Hoketika, \$50,000, Salt Lake City.

THE YEAR OF REVIVAL. 

Highland Copper Mining company, \$50,000, Salt Lake City. High Roller Mining company, \$100,000, Hero Mining company, \$70,000, Salt Lake City. Hallie V. Mining company, \$100,000, Hannah G. M. company, \$25,000, Mer-

Daly,

Mercur,

Ontario,

Petro,

Lake View Mining company, \$15,000, Lincoln G. M. company, \$15,000, Salt Lake. Lennox Mining company, \$400,000, Salt Louise I. Mining company, \$20,000, Salt Middle Swansea Mining company, \$5,-000, Salt Lake.

Dividends Paid By Utah Mines.

Ruby Hill, \$50,000, Salt Lake. Ridge and Valley Mining company,

Rose Gold, \$50,000, Salt Lake. Republic, \$20,000, Salt Lake. Rollins Mining company, \$1,500,000, Red Plume, \$15,000, Salt Lake.

## Total Paid to Total Paid in Name of Company. Date. 1899 \$2,643,400 \$ 115,000 Bullion Beck, 2,130,000 105,000 Centennial Eureka, 2,925,000 120,000 120,000 Daly West, 643,750 325,500 Grand Centra!, 71,090 Galena, 96,000 Geyser Marion, 5,270,000 40,000 Horn Silver, 1,580,000 300,000 Mammoth,

100,000

10,000

20,000

2,475,000 625,000 Silver King, 117,000 50,000 Sacramento, 157,500 37,500 South Swansea, 201,500 65,000 Swansea, 19,700 2,000 Utah. \$ 1,914,500 \$33,310,940 Total.

\$ 1,601,750 Dividends, 1898, \$ 312,750 Gain, 1899,

Herald Mining company, \$30,000, Salt Helvetia F. M. & M. company, \$500, 000, New York.

Huntsman Copper M. co: pany, \$1,-00,000, New York. Independence G. M. company, \$30,000, Salt Lake. Imperial M. & M. company, \$30,000,

Iron Prince, \$20,000, Salt Lake. Indian Pete M. & M. company, \$10,000, Indian Peak, \$7,000, Salt Lake.

Iron Cap, \$100,000, Salt Lake. Juneau G. M. company, \$50,000, Salt Jefferson Mining company, \$40,000, Eureka.

Joe Daly, \$15,000, Salt Lake.

Jefferson Gold and Copper Mining
company, \$25,000, Salt Lake. Johanna G. M. company, \$250,000, Salt Jessie Weimer Mining company, \$10,

000, Salt Lake.

Johnny Gold M. and M. company, \$300.000. Stateline. Kremlin Mining company, \$100,000, Salt Lake. Keystone Extension, \$5,000, Salt Lake Knickerbocker Mining company, \$40,-

000, Salt Lake. K. K. Mining company, \$25,000, Salt Lake Lion Con, \$40,000, Salt Lake. Lucky Boy, \$40,000, Salt Lake. Little Chief, \$140,000, Salt Lake. Lombard Gold & Copper Mining company, \$30,000, Salt Lake.

Laurada G. M. company, \$100,000, Salt Louise M. & M. company, \$30,000, Og-

Magnolia M. and M. company, \$50,000, Manila G. M. company, \$50,000, Salt

> Mercur Con, \$30,000, Salt Lake, Melcher M, and M. company, \$50,000, Salt Lake. Madsen G. M. and M. company, \$10,-00, Salt Lake,

Martha Washington Extension, \$40,-00. Eureka. Morning Glory G. M. company, \$25,000, Mascot Mining company, \$30,000, Salt

Mountain Chief, \$20,000, Morgan. Mono and April Fool Con., \$300,000, Salt Lake. Morning Star, \$15,900, Salt Lake. Monitor G. M. company, \$50,000, Salt

Lake. Mayflower, \$40,000, Salt Lake. Mechanics M. and M. company, \$20,-00. Salt Lake. Maple Mining company, \$200,000, Salt

Navajo M. and M. company, \$40,000, Salt Lake Nevada Mining company, \$100,000, Salt Nora G. M. company, \$50,000, Salt Lake.

North Godiva, \$40,000, Salt Lake. No U Don't Mining company, \$75,000, Salt Lake. Nausau Mining company, \$30,300, Nebo Star M. and M. company, \$30,-

Nephi Mining company, \$20,000, Nephi, New Johannesburg, \$200,000, Ogden. North Horn, \$15,000, Salt Lake. New York and Utah Copper M. com-pany, \$50,000, Salt Lake. Northern Light Extension, \$50,000,

New Imperial, \$30,000, Salt Lake. North Mammoth, \$300,000, Salt Lake National Mining company, \$50,000, Sait

North Hamburg Mining company, \$30,000, Salt Lake. New Yosemite M. and M. company, \$20,000, Salt Lake. Old Susan Mining company, \$40,000, Oak M. and M. company, \$25,000, Salt Lake.

Old Dominton, \$80,000, Salt Lake. O'd Resolute, \$25,000, Salt Lake. Old Colony and Eureka, \$50,000, Salt Orion M. and M. company, \$24,000, Salt Lake. Olympia G. M. and M. company, \$5,000, Oregon Mining company, \$150,900, Salt Lake.

Ophir M. and M. company, \$75,0000, Out of Sight G. M. company, \$100,000, O. S. L. Mining company, \$15,000, Salt Lake. Orizaba Mining company, \$50,000, Salt Pale Verdi M. and M. company, \$50,-000, Salt Lake.
Phoenix M. and M. company, \$150,000, Salt Lake.
P. W. Madsen Mining company, \$30,-

000, Salt Lake.
Paymaster, \$20 000, Salt Lake.
The Puritan, \$25,000, Salt Lake.
Pay Rock, \$5,000, Salt Lake. Plute Gold and Copper company, \$25,-000. Salt Lake.

Paria Copper company, \$40,000, Salt

Perjui Surprise, \$40,000, Salt Lake. Park G. M. company, \$5,000, Salt Lake. Pine Ridge M. and M. company, \$50,-000, Salt Lake. Posey Mining and Development com-pany, \$60,000, Ogden. Portland, \$50,000, Salt Lake. Park City and Midnight Sun Mining company, \$35,000, Park City. Rexford Mining company, \$5,000, Salt Rising Sun and Domingo Con., \$50,-

1,366,000

13,572,500

33,000

Red Wing Extension, \$125,000, Salt Solomon's Treasure, \$150,000, Salt Lake, Superior Con., \$40,000, Park City. Silver Park, \$150,000, Salt Lake. South Dexter, \$25,000, Salt Lake. Silver City Con., \$20,000, Salt Lake. Silver Queen, \$200,000, Salt Lake. South Star, \$40,000, Eureka.

Senator Stewart, \$50,000, Salt Lake. Silver Apex, \$30,000, Eureka. Southern Queen, \$40,000, Salt Lake, Silver Bullion, \$45,000, Provo. Sybill Mining company, \$40,000, Eure-St. Paul Mining company, \$3,000, Salt

Lake. Sunbeam Treasure, \$40,000, Salt Lake. South Snow Storm, \$100,000, Salt Lake. Swanee Mining company, \$30,000, Sil-

Sidar Gold Mining company, \$100,000, Mercur. Silver Summit, \$300,000, Salt Lake. believed that \$100,000 of this is for the Sunbeam Extension, \$40,000, Salt Lake, South Bingham, \$50,000, Salt Lake. profit, but taking a mininmum figure, the captain can hardly receive less Silver Victor, \$50,000, Salt Lake. Sunrise, \$30,000, Salt Lake. South Grapits \$200,000, Salt Lake. Skylark, \$75,000, Salt Lake, Silver Coin, \$400,000, Sait Lake, South Highland Boy, \$5,000, Sait Lake, Snow Bird, \$40,000, Eureka. Stansbury Mining company, \$3,000,

Salt Lake. Silver Shield, \$60,000, Salt Lake. Storm King, \$3,000, Salt Lake.

(Continued on page eleven.)

## MINERAL OUTPUT. INCREASE IN

Utah's Contribution For 1899 About Two Millions of Dollars in Advance of Last Year-The Greater Portion of the Increase Comes From Copper.

Utah's mining record for 1899 is little | branch of the industry has paid big short of marvelous, considered from any point of view. More new claims have been opened than during any preceeding twelve months, and the metal output has exceeded that of any year in the history of mining in Utah. Millions of outside capital has come to this State for investment in mining enterprises, and some gigantic consolidations have been effected, which later on will produce immense benefits to the owners and to the industry generally. In considering the big output, the low price of silver is to be considered along The increase has been al along the line, and has been contributed

to by every district in the State and by many new properties.

The gain, however, has been chiefly in copper, the greater portion of which has come from Bingham. The discovery of the red metal there, in immense quantities, has revolutionized the oldtime lead camp, and made it vastly more important than ever. This was brought about almost entirely by Hon. Samuel Newhouse, whose sound judgment, enterprise and ability have done so much for the West. To him, the mining in-dustry here owes a big debt. The out-put from the Highland group has been enormous this year, and in connection with the mine, the great smelter down the valley plays an important part. The copper is turned out there in pigs, and every week it is shipped east by the car load. As yet the company is not prepared to make public the details of its operations, but as everyone knows,

the Newhouse project has proved suc-cessful beyond all expectations. Tintic, too, has increased its copper output, and even Park City is heard from, the Valeo contributing each week with a considerable shipment. The total value of the metal ouput

of Utah in 1898 (these figures being computed by Wells, Fargo & Co.), was \$9,277,583.87. This year the total foots up to \$11,-

123.054.07; estimating the value of the metals as closely as possible, with the quotations fluctuating considerably, and with the complete returns not yet in.
This means a net gain over 1898 of
practically \$2,000,000, the exact figures
being \$1,845,510.20. The gain in dividends for 1899 is most

encouraging the total amounting to close upon two millions and over a quarter of a million more than in 1898. These figures would have been heavily augmented but for certain conditions, which do not at all effect the actual carnings of the properties, but for the time being keep the dividends back. For instance, the Centennial Eureka is inbetter shape today than ever before. It has more rich ore blocked out and is probably taking out more ore. But the mine was sold a few months ago Messrs. Woodman, Chisholm and their associates to eastern capitalists for \$2,-100,000 and the new owners have stopped paying dividends pending a reorganizaion of the company by them, while the

earnings are being accumulated.

Then there is the case of the Grand Central, which stopped payments for some time on account of litigation with the Mammoth. To prepare for the legal battle this company also tied up earnings. The Sacramento is missed to the extent of \$5,000 a month, because of improvements being made.
The dividends given here, however, do

not by any manner of means represent the amount earned by Utah mines. Some fine properties are owned by individuals, who do not delare dividends, of course, but nevertheless receive a snug sum each month. In addition, there are some close corporations which pay dividends without any announce-The most striking illustration of this latter class is the Goiden Gate, at Mercur, Capt. De Lamar's bonanza. No details are made public but the mill sends out gold each month esti-mated at not less than \$150,000. It is

than \$50,000 a month profit from the Golden Gate, which would give him Then there are in Tintic such properties as the Humbug, Gemini and Godiva, all of which pay their owners welt. At Bingham there are the Highland Boy, Keystone and Fortune, which put

a balance on the right side each month. The mines of Utah have a splendid adjunct in the home smelters, located | be a per-

During the past year, every smelter in the valley has been run to its ca-pacity—and the Germania has ore contracts that are said to exceed its ca-

The Hanauer is better equipped than ever, and like the Germania, its out-

put shows a considerable increase. The Pennsylvania company has also had a busy season, and these old plants, together with the Highland Boy, have turned out metal that foots up an increase of about 25 per cent in value over

The sampling works too, including the Pioneer, Taylor and Brunton and Conk-ling plants, have all had a very prosperous year.

The great feature in the smelting field this year has been the construc-tion of the great Highland Boy smelter, a mile and a half southwest of Murray. The Highland Boy Gold Mining company intended, originally, to engage exclusively in mining and milling, but the ore in the lower workings having changed to copper, it soon became necessary to go into the smelting busi-Accordingly the fifty-six acre tract was secured and work was commenced on Aug. II of last year.

The industry was a big one, as may be judged from the fact that the plant covers 600 to 800 feet of ground. On May 23rd of this year, the smelter was fully completed and in operation, and the first pig of copper turned out. Since then the output has been continuous, every two or three weeks seeing a shipment averaging four cars or 240,000 pounds of pigs, worth something like \$40,000, sent to the Eastern refinery.

It is the product from this smelter that has made such an immense increase in the output of copper for the year, and increased by a considerable percentage the value of the metal output of the State.

Everything about this plant is con-structed on the most scientific lines. cent grade, and along a 550 foot trestle, ore and coal bins are arranged. They discharge the ore and coal into cars on an electric tramway underneath. By an ingenious arrangement the cars are raised from level to level, as desired. and run to their destination quickly and

After the ore is crushed, it is taken to the three Wethey roasting furnaces, having a combined capacity of 300 tons, which are provided with a dust chamber. The calcines are delivered by the electric tramway cars to the main smelter, and go to the reverberatory, furnaces. The building here is 75 feet by 232 feet, and is also provided with converters. In the center is a crane with a lifting capacity of 25 tons, for hand-

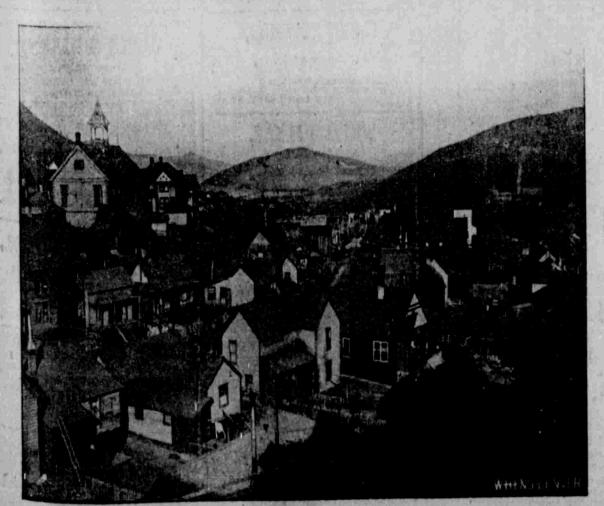
ling the converting apparatus. The matt from the reverberatories goes directly into the converters and is blown into pig copper and cast. product goes down to the ground level, where it is put on the cars for shipment. The slag is delivered to the dump by electric power.

The power plant is capable of handling 500 tons of ore a day, while the smelter has a capacity of 250 tons of crude ore a day, and this is to be

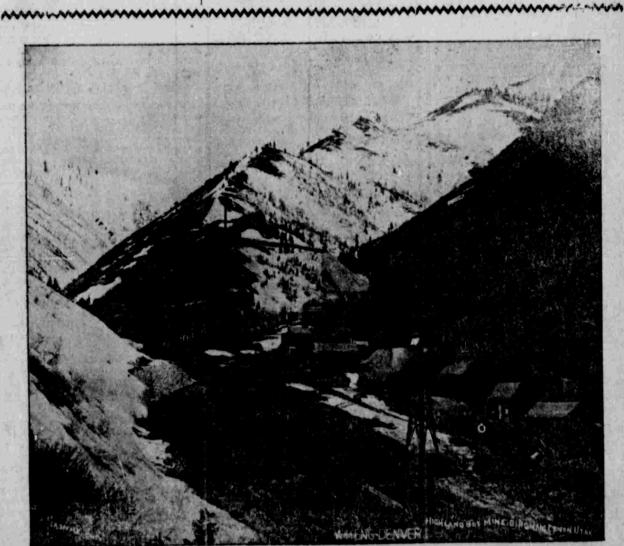
interesting feature is the Highland Boy tramway, running from the mine to the railroad, and which not only facilitates the handling of ore, but s a money saver.

It might be too much to say that an-other smeller is certain for 1900, but the indications all point in that direction. The United States company's ground has plenty of ore to supply a 500 ton smelter constantly, and should the big consolidation of Bingham properties be made on the lines proposed by Boston capitalists, who have such heavy interests in the old camp, the chances are that a larger smelter than any now found in the Salt Lake valley will be

built. Wall's Bingham group by Capt. De Lamar, is pointed to as another reason why additional smalting facilities must be provided ere long. If one of the companies does not build, it is believed that a custom smelter will go up. The American Smelting & Refining Company's plants are entirely unable to handle, the ores offered and every plant has more ore than can be This condition has led to the belief that a customs smelter of 40,000 tons crude ore capacity per month would be a perfectly safe and profitable in-



PARTIAL VIEW OF PARK CITY.



HIGHLAND BOY MINE, BINGHAM.