GREAT MINING INTERESTS annually from Utah and conducted into

10

Utah Lays Claim to Being a Leading ing developed through the application of Mineral State.

SECOND IN LEAD PRODUCTION

Ore Deposits Attract Eastern Capital and Western State is Rapidly

Improving Method of Getting Products from Ground.

BY HORACE DUNBAR. SALT LAKE CITY, Feb. M -(Special, Correspondence to The Bee.)-The state of Utah, long looked upon by the world as one of the curiosity shops of the nation, production, fourth in copper, third in silver of commercial grade. and sixth in gold. Its metal output in When the consumption of copper began 1910 was as follows:

Elver, 11.752.999 ounces Lead, 112.209.256 pounds Copper, 125.000.000 pounds. Eine, 15.837.387 pounds.

.\$33,033,303.11 so-called porphyry copper propositions have

set quality to be found in the world, having a parafine base and a quality of which the orld will never have too great a supply There are fourteen producing wells now at San Juan and thirty wells showing off at depths not yet considered sufficient to bring them into the proflucing list. From a mining standpoint these arefew assets of Utah aseding only the Alladia

the channels of commerce via Colorado.

In San Juan county is the San Juan off

willing eastern capital. This off is the fin-

lamp of capital to add still more to the wealth of the west.

Copper Interests Growing.

During the last four years the copper mining industry of the world has under as a commonwealth whose sole right to gone its most marvellous transformation of distinction was based upon her Mormon history. Copper miners had been educated temple and great Salt lake, stands among from the earliest times to vein mining the states of the union second in lead where the ore occurred in limited bodies

> to increase the world over by leaps and Value. 3 4.001 941 27 6 570 580 75 4 360 941 27 15 507 580 75 value on a metal so axtensively used. The

Total value Owing to low matal prices and the dif- solved this difficulty, the propositions beficulty experienced in financing new min- ing nothing more than immense deposits ing organizations, the year 1919 was a most of copper ore of a metal content so small trying one for the industry, yet during that no successful method of handling the this period Utah mines paid a total of same was devised until metallurgists of

000000 - A & C &

SALT LAKE MINING EXCHANGE.

\$5,758,873 in dividends, exclusive of the coal; Utah opened the door. mining and quarry interests. Credit for this great advance in metal-In Bingham, Utah has the greatest in- herey belongs to D. C. Jackling and associdividual copper producing company in the stes of the Utah Copper company. Their world in the Utah copper, its 126 oftout system involves the treatment of enormous lacking a few pounds of reaching 3 and 333 tonnages of this low-grade porphyry ore, pounds of the mainh. In the Tint c amin there being now developed by this one com-Utah has one of the aveatest al . had yany at Bingham close to 200,000,000 tons of camps of the west, a camp containing, workable rock. Twenty steam shovels are under normal metal conditions, the great- at work on this property, eighteen being est number of dividend paying silver-lead employed in eating away the waste or overcompanies of an mining district in the burden resting on the ore deposit proper, United States. and two shovels mining ore. Each shovel

Just Heing Developed.

to good trim is expected to hundle 30,000 Mining in Utah is just being developed. cubic yards of dirt monthly. The company The camps, with the greatest records of expends from \$15,000 to \$20,000 each month entput, indicate unmistakably future use- on powder, blasts shattering as much as fulness far in excess of past performances. 100.500 tons of ore at a time so that the while distributed throughout her richly jaws of the shovels can find a grip to do mineralized mountain ranges are new their work.

THE OMAHA SUNDAY BEE: FEBBUARY 26, 1911.

ready mentioned is the American Smelting

the Topels emelter, in custom copper plant

of the International Smalling and Refining

ompany, the Amalgamated Copper Inter

ests, while at Bingham, is the copper

smelter of the Tampa company. Five miles

south of Salt Lake City stand the silver

and lead smelter of the American Southing

interests, and at Midvale, Utah, within

sight of Salt Lake City, is the sliver and

lead smelter of the United States Smelt-

ing. Refining and Mining company. , This

latier company recently has instal ed a

oncentrating plant to reduce low grade

zinc ores to a smelting condition, thus

throwing open a market for an enormous

connage of sinc eres which have been ex-

tracted during the past many years along

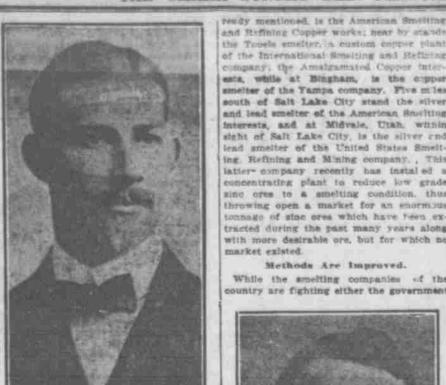
with more desirable ore, but for which no

Methods Are Improved.

While the smelting companies of the

ountry are fighting either the government

market existed.



W. H. CHILD.

now being increased from 1,000 to 5,000 tons dally capacity, and within a few months these mulls will be handling 20,000 tons of ore a day at a cost of not to exceed 8. cents per pound of copper produced.

Utah mines and mining mon, therefore have revolutionized red metal mining, being among the few copper companies able to operate under low-priced copper conditions on account of the low cost of produc tion. Many of the old-time producers could not produce their copper for less that 11 to 13 cents per pound. With copper selling at 12.73 cents per pound, the average price during 13m, their margin of profit was prohibitive, but the Utah Copper company could operate and paid \$4,667,557 in dividends to shareholders in 1930.

Due to Rich Mines.

Sait Lake City was largely brought to its existing beauty and wealth through profits from Utah mines. The dividents from Park City camp more than from any other section of the state have been paid Utah stockholders and thus remained within the state. Park City has produced

clean money, the cleanest earned anywhere. only a portion of the known mineral area ing still greater earnings by simply rescu- ditions. Judge, Duly West and Daly mines are lo- quetted and resmaited.

cated in this district. the then territory and at the same time Arizona and Colorado to be sold and ing davelopment. keep out of mischief. Since that time the smelted.

industry has been given increased atten-tion each year, until men of capital of of the world, for the commercial treatment every civilized spot of the universe have of which no metallurgical process crists, she asked. inspected or invasted in Utah properties. is shipped to Sait Lake City that the mill Engineers from all over the globs have journled to Salt Lake to see the milling and smelting works surrounding the city. and all came confessing that the object of their visit was to learn.

Cause of Present Condition. The remarkable development of mining properties has been due to several things, mainly to the richness and extent of the ore bodies, to the ever increasing railroad lines into mountain and desert, to the great abundance of food and water provided by nature for the animals of the prospector's outfit and to the market af-



Two Progressive

Young Men from

Make Good in Salt Lake City in

Very Short Time.

East Go to Front

money is placed in honest underground de velopment work. The majority of companies pay very small salaries to managers, as these usually are large stockholders who intend to be satisfied with ultimate dividends. Mining stocks with but few exceptions are assessable in Utah, and no other character of stocks should be countenanced for the development prospect. While a few assessments may be levied to carry on operations, it is better to pay these than to close down a property and lose what money already has been placed in work on account of inability to raise more funds.

Little Labor Trouble.

Utah also has been remarkably free from inbor troubles and strikes. In the majority of cases the mine labor is American, made up of miners who frequently prefer to take part stock instead of all cash for their labor. Utah has been absolutely free from the wildcat, the stamp of the state on a proposition being considered a guaranty of good faith.

over fine,000,000 worth of ore, paying be- or surrounding farmers on apcount of the These are one or two of the theories tween \$25,000,000 and \$40,000,000 in dividends, poisonous fumes and solids emitted by which govern mining in the Utah camps. smelter stacks, Utah smelting experts went One of the most satisfactory usages is the Yet in spite of this magnificent record the to work and installed improved methods annual, and in many cases monthly or Park City camp today contains a tonnage of preventing this waste, thereby securing quarterly, reports of companies, by which agent of the field service with the United place of steam, but the most popular mod of rich silver, lead and gold ore as large not only permission from the courts and shareholders are kept in honest and con- States land office in Utah and under the of transportation from one point to an of rich silver, lead and gold are as large act only permanent from one point to an as at any time of its experience, while farmers to continue operations, but reap-tinual touch with financial and mine con-government employ has located and trav-other will be by dirigible balloon. The se

eled over and knows by aight practically has been developed to any extent. The ing and saving minute solids and gasse The year 1911 gives promise of being the every foot of free government land in the will be brought to Paris by means of a famous Ontario, Silver King Coalition, Daly heretofore lost, the product being bri- most prosperous year in the history of the intermountain west. Mr. Thompson is orig- vast canal, and electric ships will arrive

The many railroad lines entering Sait season, just as 1910 gained importance in and entered the government employ and from the Pacific by way of Panama. Mining was first done in Utah by sol- Lake City from all points of the compass advance of 1909. There is not a more lucra- has lived in Utah sixteen years; thus he London will be connected with Paris b diers, these prospectors being given the op- bring in not only from Utah camps ores tive field in the west than Utah mining adds to his knowledge of the east and a rapid transit underground railroad. Th portunity to search for minerals that they of all grades and descriptions, but ores properties for capital. There is a vast eastern conditions a full, complete and of- Mediterranean will be joined to the Atlan might at once help in the development of from Idaho, Montana. Nevada, California, and rich field among our mountains await- ficial cognizance of the land situation and tic by a canal issuing at Bordeaux, an the intermountain west.

> No Rest. "Are you in favor of woman suffrage"

"Now, I wish you would tell me why you think women ought to forget their children and their household duties and get out into the world to mix up in polit-was settled. The opportunity of locating ical affairs. If you know of any good rea- these lands and of settling them through Human slavery or domestic service will b

"Good heavens! I beg your pardon. I wholly overlooked until now, any side any more "-The Housekeeper.

Modern War.

nust have a war chest?" Not exactly, but things are on a higher

100

LOOKING AHEAD 1.000 YEARS

French Astronamier Litts the Cortain of the Putters and Tells What He Sees

Within the next 1.000 years, say Camille C. M. Jamieson and D. R. Thompson Flammarion, the population of Europs will have increased from 375,000,000 to 700,000,000 that of Asia from \$75,000,000 to 1,000,000 that of North and South America from 130. an mo to 1,500 000,000, that of Africa from

SALT LAKE CITY, Feb. 21.-(Special 75,000,000 to 200,000, that of Australia from Correspondence to The Boe )-C. M. Jamie-3,000,000 to \$0,006,000, the whole population son and D. R. Thompson, two young men thus rising from 1,450,000,000 to 3,560,000,000. of the east, have opened in the Newhouse Languages will be almost unknown. The building, this city, elegant offices, the sole cessions progress of science and industry business of which will be locating homewill have almost altered the face of the steads upon free government land in Utah. English language, which in its new form Mr. Jamieson is a young Canadian from will be spoken as a quasi-universal tongue the province of Alberta and came to Salt throughout the globe. War will disappear Lake City one year ago in charge of the soon after we have reached the year 2008. Canadian Pacific railway treigation col-The republican form of government will enimation department office to the intercome to prevail universally. mountain west. During the time that he

A single-money currency will preval has been here he has sold to people of this throughout the globe. There will be onsection thousands of acres of Canadian universal meridian-that of Greenwichlands. Impressed with the opportunities to be found in Utah, and sure that when the and the hours will be calculated from one great colonization movement of this coun to twenty-four. Meteorology will become a try would find Ms focus in Utah and the exact a science as astronomy, and the exintermountain west, he has added to his perts of 2911 A. D. will be able to foretal business the locating of eastern homeseek- the weather almost to a raindrop, a snow ers upon the free government land of Utah. flake or a ray of sunshine.

Mr. D. R. Thompson was formally special Electricity will, of course, have taken th



MINIRS AT WORK 1,000 FEET BELOW SURFACE.

state, that it will exceed 1919, the banner inally a Wisconsin man, but came out here at the French capital from the Atlantic an

the government free lands throughout all compressed air tubular trains will connec Spain and Portu, u with northern Africa. There will be telephone communicatio

portunities for any man in this section of between all the inhabitants of the earth the country. Thousands upon thousands and telephonoscopy will enable the tire "Oh, yes! Enthusiastically," he replied. of acres of government lands, some of citizen of Chloago to listen to the Carus

> homesteaders from the east has been unknown, and trained ourang-outangs ( chimpanzees will do all man's housewor

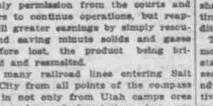
> > The human body will also undergo strang

shown in the selection of life partners.

Going still further into the future, for th

world has still at least 10,000,000 of year

merely said I was in favor of it to avoid Utah's exhibit at the recent Land show for him. Chemical synthesis will have don arguing with you. Can't a man be safe on at Omaha, which has just closed, has been away with all the trouble of cooking elat another means of bringing Utah agricul. orate dishes. Gluttony will be anknown ture possibilities before the people through- and men and women will entertain eac out the central states, and the rush for other in conservatories, the banquet con "Your soldiers look fat and happy. You Utah's enlarged homesteads, as shown by sisting of compressed viands or delication



C. M. JAMIESON.



## VIEW OF DALY-JUDGE MINE, PARK CITY, UTAH.

mines and new districts responding with At Garfield, Utah, the company has two generous hand to the efforts of the miner. concentrating plants where this perplayry Utah, says the United States reological ore is taken and where the copper content survey, has the greatest undeveloped iron is taken by the wet concentration process

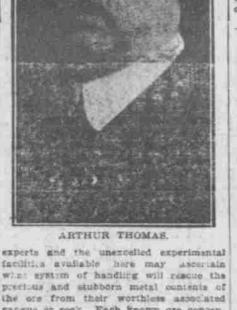
deposits now known to the world. Rail- from the worthless gangue. Near at hand roads in time will make three available, is the Carfleld copper smelter where six for there is no reason to doubt that the reverberatory furnaces reduce these conmanufacturing trend of the country will centrates to copper matte, which in turn is be steadily westward. Close at hand are refined to blivter copper.

the coal deposits, experts trailf hig to the These two mills are the largest of their existence of sufficient coal to provide the and in the world. Being the planeers in Pacific coast for four to five centuries. their line they have naturally presented In the eastern and southeastern parts problems which only experience can furnish of Utah, where access is yet restricted a cive. The experts of the company have largely to freight toings, exist extendive made many improvements, one plant ad it and valuable hydro-carbon deports, a manda today is capable of treating 12,660 large tonnage of asphaltum being mined tons of porphyry ore daily, the second is

ded all sorts and conditions of ors al Salt Lake City. Salt Lake City is known as the smelle center of the country. At Garfield, as al-



FRED C. DERN.



gangue or rock. Each known ore contentration process the experience of the world has developed is installed in the various Salt Lake City experimental works, and if no known process is capable of successful application, one that will achieve the destred results will be devised.

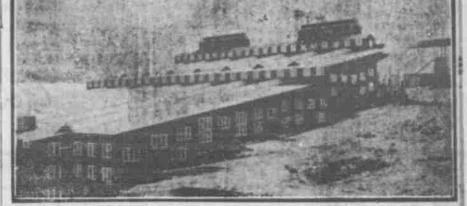
Ensterners Foel Safe. Eastern intestors feel safe in placing

capital in Utah mining properties, for, regardless of the demonstrated mine-al wealth of the many active camps, it is a matter of universal commont that the

plane than they used to be. This revolution is being financed by a moving picture concern."-Louisville Courier-Journal.



ARTHUR THOMAS.



OHIO COPPER CONCENTRATING MILL, LARK, UTAH DAILY CAPACITY, 1990 TONS OF ORE.

the United States land office in Salt Lake; served on silver trays, the tabloid melting City, has started in earnest. Thousands of in one's mouth and doing away with th acres of this fertile and are being filed vulgar necessity of mastication, but giving upon daily. nevertheless, the same results, if not mus

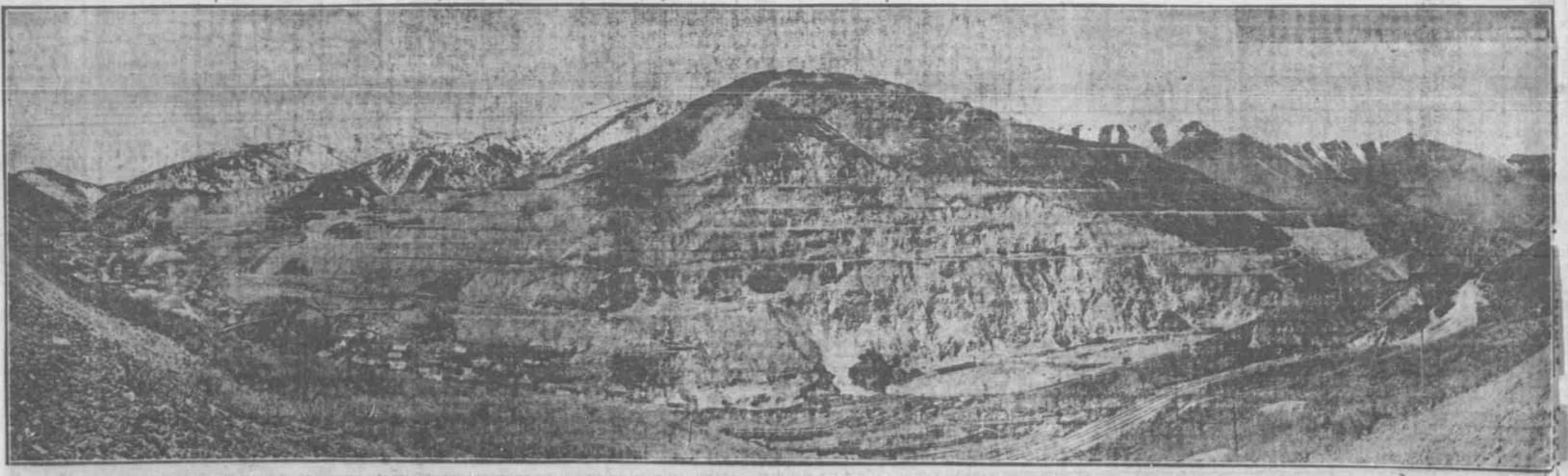
The formation of this company, how- superior, as far as digestion is concerned. ever, makes it possible to secure full, complete and accurate information concerning enough transformations. The head, for the in-acre homesteads capable of being example, will be larger, the body smaller as a result of the decrease in manual labor the increase in intellectuality, the nature of the dietary and the greater intelligen

This is but another example of the op-

Reflections of a Bachelor.

If an article temperament can't make a living it has no doubts about itself. A man who can waiz fifty miles for fun without feeling riged will faint if it is only Without isechng thread will faint if it is only three for husiness. A woman feels that it is specially her duty to believe her husband has brains when she known he hasn't. A man has he hosn't. A man has he hosn't idea that his wife sught to prefer to sit around and see him smoke an old pipe to his taking her to the others. New York Press.

come ideal.-New York American. to the opera -New York Press.



OWING THE EXTENT OF STEAM SHOVEL OPERATIONE AS THEY EXISTED IN MARCH, 198. IN THE UPPER PORTION OF THE PHOTOGRAPH IS SHOWN