A Record Breaker in Cinabar Mines,

FURNACE.

THE BLACK BUTTE QUICKSILVER tance of 7500 feet. These croppings the beat on both sides. The heat in small experiment plant, a complete the ore tower is not permitted to run are all impregnated with cinnabar. They ad libitum through the ore, but is reg-Quicksilver, that most needful metal tang rocks, but careful analysis along in the recovery of the precious ores, the line of the lode, which follows the gold and silver, from their ores and ridge crest, shows them to be cinnabar arrangement of a series of primary and valleys to London, Oregon, a distance placers, and which is becoming more in demand each day with the new developments and discoveries in our modern the level of the present furnace. Above this adit would be backs of 2000 perfect combustion not only of the fuel. use, is becoming scarce, not alone from the increasing consumption, but from the failing of some of the mines that the failing of some of the mines that for a time in a Scott 50 ton furnace.

Above this and was better than eternal but of all organic matter in the ore also. The result is absolutely southess can youth health. The Oregan Mineral Springs, near teature removes at once one of the most which the town of London is located,

California and Texas have produced a model of a new farnace, which with a claimed that it is equally adapted to lable. Some two years ago plans were



The Black Butte Mining Camp.

large cinnabar deposits, which have been worked somewhat, but it did not amount to much until the Black Butte the world round.

Portland, and which attracted the at- find a field of ascrollaries far beyond the original metives and designs of the inventor. To say that the Black Butte mine bils a 40-ton Scott-Huttner furnace, interior fair to become the greatest quicksilver dimensions, is 2904 feet. A Denn's furnace, and the ground is being prepared to the fair to become the greatest quicksilver dimensions, is 2904 feet. A Denn's furnace, and the ground is being prepared to the construction work. When this vastness of the present ore bodies are considered, and the amount and richness of the ores now really for treatment, through the 16,000 feet of development work which has been done. The secret of this large capacity is only do we recognize the ment of the

been. For some years it has been the past year he has been operating a stack; expensive, bulky and elaborate known that the Cascado and Calappoin working model of which was on exhi- dust chambers, and the secondary promountains contained in some districts bition at the Lewis and Clark fair at cess of treating flue dust, etc., it will

Quicksilver Company obtained the prop- In the new Dennis furnace, a perfect. It is the plan of the company to build erties now operated by them some five roast of the ore and complete volatile early in the pring a large plant on the years ago, which now are controlled by ization of all values is secured in the model of the plant which was on ex-Mr. W. B. Dennis, a metallurgist of remarkably short time of four hours, hitation at Portland, and to have it many years' experience in this work. The cubical volume of the ore zone of in running order before the fall. The

not be appreciated until they are seen. a perfect desulphurizing and calcining Sented for a permanent exhibit in the National Museum of Art and Industries, above the level of the creek, has mas obtained. The ore is spread upon the sive croppings continuously for a dis- hearth six inches deep and is exposed to Mr. Dennis.

opment work which has been done.

The secret of this large capacity is only do we recognize the merit of the Specimens of the ore run from 30 to 70 partly due to gas firing, and partly to new assention, but the whole nation the method of applying the fuel gases and world. The United States govern to the ore, by which speedy absorption ment has requested that the model

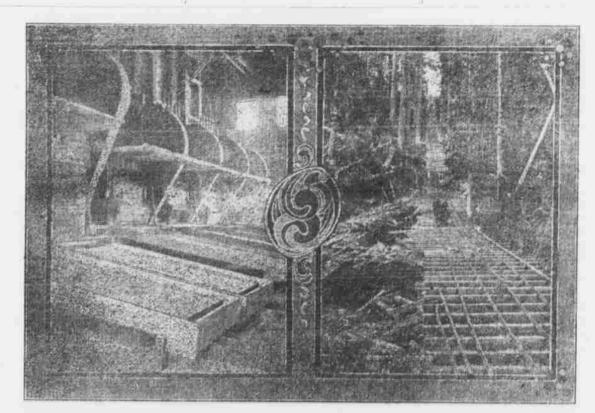
202 Pounds of Yellow Metal.

SECURITIES COMPANY.

district, not alone for its large hold and which has been paid largely for yielded during the mouth of October ings, but because of the great amount the work done on them. of development work done, and the White a grade for a surface tramway records of work done in past year, stand has been constructed part way to the portion of the total the Oregon Securities Company, a corporation owning the Helena group of equipment of such a line will depend claims, the Musick group and the entirely upon the future needs. The mill is being can un this ore control of the total stanges were used, 89 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total stanges were used, 80 Troy pounds of the total sta

A YEAR OF HARD WORK FOR THE operated only for eight months in the tions from the sixth level to the suryear on account of the heavy snows, face, and while practicaly none of this which could only be obviated by ex-The Oregon Securities Company at pensive show sheds, which the company amount is broken out ready for me the end of its year's work feels a just does not feel justified in building, nor next summer. pride in the work accomplished, and will there be any call for these ores. In August of this year a rich strike trusts that in another year it will have as the mill can be run to capacity on the was made while apraising between lev a still greater showing. Foremost ores already developed in the Champion, els nine and six in the Champion, and smong the large mines of the Bohemia which is the present source of supply, from which ores have been taken which

Champion and Broadway group, which large territory opened up in the themselv, and many rish returns are



Interior of Oregon Securities Co. Stamp Mill and Tramway to mill.

aggregate in all 55 claims, and some 800 | Champion and Musick, and the limited expected.

An electric trainway has been constructed from the Musick Mine to an upraise, from the main tunnel of the Champion, a distance of one and a quarter miles, for the purpose of economically transporting the ores of the Musick mine by trainway to the mouth of the upraise and them mouth the Champion and the Musick.

The developed, awaiting a time when the more supply, and the mine a steady producer. The fact that such a quarter miles, for the purpose of economically transporting the ores of the tion between the different levels of the upraise and them mouth the Musick.

The upraise have been exceeded out to such an extent as to justify the operation of the mine a steady producer. The fact that such a quarter miles, for the purpose of economically transporting the ores of the tion between the different levels of the mouth the mine a steady producer. The fact that such a quarter miles, for the purpose of economically transporting the ores of the tion between the different levels of the mine a steady producer. The fact that such a quarter miles, for the purpose of economically transporting the ores of the tion between the different levels of the mouth the mine a steady producer. The fact that such a quarter miles, for the purpose of economic materials and the mine a steady producer. The fact that such a quarter miles, for the purpose of economic materials and the mine a steady producer.

acres of mineral bearing lands, capacity of the mill, prevent the operation of all. The Helena will be furhas been largely development work, ther developed, awaiting a time when

of the upraise, and thence down the tunnel and surface cable tram to the mill for treatment. This line can be second level, making complete connec-

The policy of the manager is to con-Inne the development in every way to increase the are supply, and to make

The fact that such a quantity of gold-has been produced in two months. and from the concentrates of which are, much more value is yet to be extracted, tend to greatly encourage the niner and investor in mining property in Bohemia.

Our Great Health Resort.

LONDON U. S. A.

To go to London usually mount a trip

The sale of mercury is controlled by but the loss was so great and the ex- annoying and fruitful sources of loss have been known for years to possess the Rothschild house, who operate the peace so large that it was not a paying in the reduction of quicksilver ores.

Almaden mine in Spain, which is the investment. In view of this fact Mr. While the Donais former was delike other natural charms they waited largest producer. In the United States beams has for years been working on signed primarily for quicksilver, it is on the hand of man to make them availeonsiderable quicksilver, but these fields moderate number of men, can turn out the reasting of other ores. If it shall developed for the erection of a compared to the reasting of other ores. If it shall developed for the erection of a compared to the reasting of other ores. If it shall developed for the erection of a compared to the reasting of other ores. If it shall developed for the erection of a compared to the reasting of other ores. If it shall developed for the erection of a compared to the reasting of other ores. If it shall developed for the erection of a compared to the reasting of other ores. If it shall developed for the erection of a compared to the reasting of other ores. necessary buildings to have a resort tents have each year been erected un which is gained by it, from each and ler the shade of the magnificent fir every person who goes there, for to go trees which make a furest there. The eathing house is sirely equipped, and the grainds are finely kept.

remarkable effect on persons troubled nev troubles seem to yield rapidly to that youth might ne'er be gains, their power, relief being obtained at | The sought in vain, and died in age; | To London Mineral Springs

most from the first use. The waters But the spring is found at last, are a great tonic, containing as they do tome rich, come poor, come prich quantities of iron, and have in sage. consequence brought such a demand for the water that the Oregon Mineral Springs Association has found it necessprings Association has found it neces-sary to establish a large and modern buttling plant, with a carbonator, which, while a large plant, has been entirely insufficient to supply the de-mands, and which is taxing their utmost endeavors in order to keep pace with Get off the train at college Grave, the demand for the waters.

The management is fortunate in having a situation naturally ideal for a court the magnificent forests, the clear mountain streams, the clear pure air. The hunting and fishing facilities are unsurpassed. Every modern consenionce is at band, well equipped de-

That Cottage Crove should be the en for those who are suffering from the trance way to such a splential health ails of life. A confortable hotel has resort, means much to the town and vicinity. We have not only a delightful enough to fill the needs of the many and restful place to recuperate, but we travelers, so that a number of splendid have the advantage of the renown

The water has been found to possess Long years ago, as aged man named remarkable effect on persons troubled. Fours be Leven with rhoundation and stomach and kid. Sought for and near to find a spring. And everybody song

Come rich, come poor, come pensant, Renew your vigor past.

The artist Nature best his aid to becutify the spot.

While man his best devices lend, the patron beketh bot. The Spring is found in Oregon, At London I will be seen.

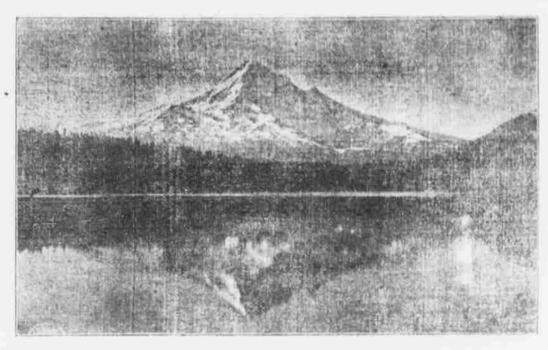
the twelve miles up the stream.

They whate the dust from off your feet, The cares from off your mind, For these diseases less their seat. Dyspepsia of all kind, Ehrmunaties here can ron a thee, Old men their sugar fluid.

The winters have are very mild, No come the year around, The systems and theb it mand wild You no be will hear their sound, this down are open all the time, Where by disease is found

be that this is the ideal place to spend And off many their ways: The aid grow somer, the airk get well,

And all units in hearty thanks



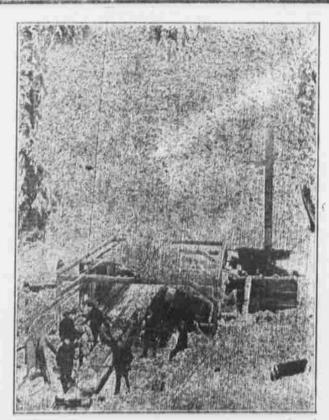
The Pride of Oregon-Mount Hood.



Scene on Row River.



Bohemia Scene.



Bohemia Sawmill.

THE WYNNE HARDWARE CO.

The Wyme Handwire Emepary is one of those computies, built up called by by young men as the full vigor of their youth, and whose antiting energy

re dovoted to prodring mount The present business was started by Mr. Harry Warne in a little harding now precupied by Lancoln's most shop, mi March 16, 1961, where is manged was carried on to a way to attract customers; and be under their perimeral Juyers, and as a consequence the business grow to such an extent that on January 17, 1965, the present stock company was formed, which immediate ly moved into the commodiscs room saw occupied, and while has become so enowhed that the business needed more room, wheels essetted in the fruit reportly buyong the store room next loor, for a consideration of some \$1700. The agree is being used for the geronmodution of heavy machinery.

The firm is accounting to buside not done maners' supplies, but mining machinery, and expects to handle a large part of Bohemia's trade in that line.

The second distance of

THE GRAHAM HOTEL.

A. Griffiam is any infinite men who believe that to make money one must spend it, and to that and, his first work in tottage Coave, after the nequiring of the old brick hotel building, was to expend considerable money in its refitting, making or it a good hetel. Owing to the closure in ownership of the hotel the desire for remodelling, Mr. Gradeou records parchased the lease on the Central Hotel building, which he has just finished fixing up, having made a large office out of three rooms, itestalled a broad strickary, and clearrie lights; and modern both and indet facilities, besides papering and painting the whole mode of the building, and reformishing with new expets; beds, mattresses and bedding of the best make. There are now some 30 first class rooms, well heated and lighted, and one suite with bath. The cusine is excellent, and Mr. Graham is having the distinction of having made the best hotel the lawn has ever enjoyed.

A FIRST CLASS PLANING MILL.

One of the most needful industries in any town of life and activity is a planing mill, where windows, frames, doors, conditings, turnings and house finishing fumber, etc., may be turned out, and Cottage Grave is particularly fortunate in having such an establishment in ourtown, operated by a thoroughly expuble mill man, in the person of W. H. Abrams,

Mr. Abrams has had a lifetime of experience in this kind of work, and realizing the advantages and opportunities before him, some years ago opened the present plant, which has been increased from time to time. The mill in itself is a building 60 x 100, the engine room adjoining, 20 x 50, and a dry

kiln installed in a separate building. Mr. Abrams gives his personal sapervision to all the work, doing much of it himself. In times of great activity he employs a number of men, and constantly has enough work on hand to employ several betpers. This past year work has been better than the previous year, and Mr. Abrams is looking for a still better year immediately before us,