

## THE SILVER KING MINES ARE DOING DEVELOPMENT WORK WITH THE CHEAP POWER OF HARNESSSED WATER AND AIR

While Others Have Talked of the Possibilities of Water Power Development in the Santiam Region, They Have Quietly Connected Up With the Everlasting Energy of White Coal—Could Be Shipping Ore Now, But They Prefer to Get Ready for Economical Mining, Which They Are Doing By Driving a Main Working and Drainage Tunnel

The Silver King mines are located in the eastern panhandle of Marion county, about 24 miles northwest from the summit of Mt. Jefferson, in what is commonly known as the Elkhorn mining district. Until recent years this region has been very difficult of access, being very rough and mountainous, and covered with heavy timber and underbrush with poor and uncertain mountain trails which rendered these ore deposits inaccessible to any but those who would travel afoot through thickets and up steep declivities. Now, however, through the cooperation of Marion county and the present town-



Power plant at Silver King Mines, at portal of main working and drainage tunnel.

ers of this and nearby mining prospects, as well as ranchers who live on the narrow shelf left by the Little North Fork of the Santiam, a road that may be traveled even by automobiles has been opened up and has been used to haul supplies and machinery to the Silver King mines and other mining prospects in this district, which may soon become one of Oregon's best known mining districts. This road winds through a scenic country on an easy grade, and in itself a sample of engineering skill, and reaches the railroad at Lyons, Oregon, a distance of 17 miles from the Silver King mines. Trucks can operate on it, and it has solved the transportation problem for this district.

**Permanent and Deep**  
The ores of this mine are primary sulphides, which assures their permanency and depth, and they are what are commonly known as silver-lead-zinc sulphides, carrying values in gold, silver, lead and zinc; the lead and zinc predominating in quantity and the silver in value. Assays of these ores taken in the

course of development show values ranging from \$5 to \$1000 per ton, and an average value for all ore of about \$20 per ton.

**Origin of the Ores**  
The principal development work on these mines has been on a large well defined ore-bearing fissure vein, which fills a fissure formed by movement along a shearing zone, and is paralleled by an intrusive dike of felspar porphyry, which has played an important part in the genesis of these ores. Some of the ore bodies of this vein are exposed by the canyon of Henline creek at an elevation of about 3000 feet on Henline mountain, and



East Prospect Tunnel on Queen Vein, showing ore formation, width from hanging wall to foot wall about 130 feet. Showing exposed ore body.

have to be kept in constant operation or the mine would fill with great damage—and all ores would have to be packed by trail down steep mountains, or about a half mile of aerial tramway erected. This might satisfy the desire for early production, but it would be a very expensive and unsatisfactory method of mining these ore bodies, which can so easily be drained and worked through a main working and pumping machinery and cost of operation, danger of mine flooding, packing ore from the mountain, etc. Therefore the directors of the Silver King Mining company, on the advice of competent mining engineers, decided to drain and work this mine through a tunnel. Few mines are so situated that they can be easily drained by tunnel, but fortunately the Silver King has this advantage. A tunnel about 1000 feet in length will tap the big ore vein of the Silver King 700 feet below the upper tunnels, drain the mine and open up the ore bodies of this vein for economical extraction on a large scale—and in accordance with this plan and to more fully develop this ore body and provide the most economical plan for working the mine, a main working and drainage cross cut tunnel is now being driven to cut the ore bodies of this vein at a depth of over 700 feet below the upper tunnels. This will drain the mine, allow extraction through this tunnel and permit the gravity system of mining, the most economical known, and the delivery of ore to the mill at the mouth of the tunnel in large quantities at small cost.

**New Methods Discovered**  
Silver-lead-zinc sulphides were formerly considered very hard ores to treat, and, under the old methods used, but a small percentage of the values were recoverable; but, in recent years, great discoveries have been made and entirely new and scientific methods of treating silver-lead-zinc sulphides, like those of the Silver King mines, which make a nearly complete recovery of all values, have been tried out and put in practical operation. The flotation method of concentration, and electrolytic leaching of the zinc, will probably be the method of treatment of the Silver King ores. This will recover the zinc as a zinc oxide, and produce a high grade silver-lead concentrate to be shipped to the smelter.

Charles Brown, who now has charge of operations at the mine, has had over 20 years experience as a practical miner, in the gold, silver, lead and zinc mines of the west. He now has a crew of four men, with power drills, driving the main working and drainage tunnel forward, to open up and prepare these ore bodies for economical extraction and reduction on a large scale. With this splendid equipment, under the direction of competent hands, this mine will now soon reach the point of production.

**Big Producers in Sight**  
With the large bodies of silver-lead-zinc sulphide ores in this mine of a good milling grade, of a character well adapted to modern methods of reduction, and with all her natural advantages for the most economic methods of mining known, and good transportation facilities now at hand, there appears no good reason why this should not soon be one of our biggest producing and best paying silver-lead-zinc mines in the west.

**The Workers are Investors**  
Experienced miners who have spent years in the western metal mines, and who have worked at this mine the last few years, and also those who are now working there, have invested nearly all (at least 75 per cent.) of their hard earned money in Silver King stock. No better proof of their faith in this mine can be had, and none are better able to judge.

The Silver King mines are owned by the Silver King Mining company, which is incorporated under the laws of Oregon, and has a permit as an investment company from the corporation commissioner of the state of Oregon. Its employees and the company are insured from accident under the Oregon compensation law.

The officers and directors of the company are:  
President, J. J. Langmack (oil pump dealer), Portland, Oregon.  
Vice president, E. E. Williams (farmer and stock man), Albany, Oregon.  
Secretary-treasurer, Wm. E. Binkley (lawyer), Albany, Oregon.  
Director, Harry E. Brown, (realtor), Salem, Oregon.  
Director, G. J. Shrader, (mechanic), Albany, Oregon.  
Director, T. F. Muller, (mechanic), Portland, Oregon.  
Director, A. L. Bratton, (for-

mer president Portland Machinery company), Portland, Oregon.

**Well Equipped for Purpose**  
In addition to the power plant, air compressor and machine shops, these mines are equipped with a first class blacksmith and machine shop, and a bunk and cook house fully equipped, sufficient to accommodate about 15 men, and several smaller buildings for storage purposes, and are now well equipped to open up and work these mines, in fact one of the best equipped for this purpose in Western Oregon.

**Children's Day Observed**  
Children's day was observed at the Christian church Sunday, Rev. Mr. Isaacson occupied his pulpit, having returned from a short trip to California.

**C. A. Bear made a business trip**  
to Portland Friday. Mrs. Dow entertained the juniors at her home Saturday evening.

**Mrs. LaGrice of Shaw was a**  
week-end visitor at the Gunning home.

**Mrs. Franklin Thee, a high school teacher**  
of Wabburg, Wash., is visiting her sister, Miss Davis.

**Miss Hazel Bear planned a**  
surprise shower Saturday afternoon for her cousin, Miss Gayette Davis, a bride-elect. About 20 guests assembled, bringing a large basket of kitchen utensils. Mrs. George Moore sang "Come for 'Tis June," followed by a short program. Ice cream and cake were served.

**The high school seniors gave**  
their play "Safety First," Friday night to a crowded house.

## TOO BUSY TO WRITE IS KNIGHT PEARCY

But He Told the Reporter of the Importance of Land's Proper Use

Knight Pearcy, of Pearcy Bros., orchard experts, whose office is at 237 State street, Salem, said he was too busy to write an article for this issue.

But he told the reporter that too much cannot be said about the cheapness of the price of land in the Salem district, and the importance of making them more valuable by the growing of the proper crops on them; the crops in each case to which the land is adapted.

Beaver dam land, for instance, he said is worth about \$100 an acre to raise hay on—but it is worth \$1000 an acre to raise celery or onions on; or any one of a number of other crops.

One man on Laish Meadows beaver dam land last year paid \$1400 rent for 20 acres. But he produced onions which he sold for \$5600; and it was a poor onion year. He made a good net profit.

Mr. Pearcy says there are opportunities in every direction from Salem to take \$75 an acre hill land and convert it into \$600 to \$700 an acre land in a few years with walnuts; and thus the land will grow in value with the years; all the years of the future.

The same may be said of the bottom lands for filberts. They will grow commercial crops a little earlier and they will also last "forever," or near enough to it to keep any living man from worrying; or his children or children's children.

The same may be said of early any fruit which we grow—a long list of them, from prunes to strawberries.

The important thing is to put each acre to its proper use. A man down by the Kaiser school house, last year, made an enormous profit on a lettuce crop, on a piece of land that had been considered worthless. It was thought to be too wet for any crop. He struck a young gold mine with lettuce.

The Pearcy people show their faith by their works. They are constantly themselves putting out more and more walnut and filbert trees. They put out six acres of filberts on their own land this last year.

## STAYTON

STAYTON, Ore., June 4.—The Stayton Alumni home coming banquet was held here Saturday night and was largely attended. Many coming from a distance in order to meet once again with the old class mates.

Many out-of-town people attended the graduation exercises held in the school auditorium Friday night. Among them were George Scott and wife, Mrs. Josie King, Mr. Jones, A. Fisher and wife all of Victor Point.

Grandma Lake from route 2, spent several days last week visiting her niece Mrs. Rosa Hewitt.

Mrs. Frank Pennybaker who visited several days last week at the homes of W. H. Hobson and Z. Barnes, left Monday for her home in Portland. Mrs. Pennybaker formerly resided in Stayton.

Mrs. Glen Mangle and daughter of Corvallis have been visiting the past week at the home of her mother, Mrs. Elizabeth Stayton.

Melford Allen, a son of Mrs. Mary Allen, came home from Portland last week to attend the Alumni banquet, and to visit his mother.

Mr. and Mrs. R. A. Titus of Airle, Mr. and Mrs. Frank Titus of Mill City and Mr. and Mrs. Jeff Montgomery of Frosser, Wn., were called here last week by the serious illness of Mrs. Sylvia Titus.

Rev. Tapscott and wife came here from Canada last week and are visiting at the home of their son, R. W. Tapscott. Rev. Tapscott occupied the pulpit at the Baptist church Sunday morning.

Miss Lydia Joy Martin who spent the greater part of the winter and early spring here, left Wednesday of last week for the home in Denver, Colo. Miss Martin, who is a nurse, made many friends here who will regret her departure.

Mrs. Lillie Sims of Scio came to Stayton Saturday and spent the week end here with relatives. Mrs. Rosa Hewitt has purchased property at Cottage Grove and with her two sons, John and George, Hewitt expects to leave in the near future for that place.

where they will reside. Mrs. Hewitt is an active member in church circles and will be missed by her associates, while John and George will be missed from high school where they are popular in athletics.

Plans for the picnic sponsored by the Woolen Mill force are going forward and each committee is exerting every effort to make the occasion an enjoyable one. Sports of all kinds including a ball game in the afternoon and a big dance at night are scheduled. The picnic will be held in the Masonic park on Saturday June 23.

Mr. and Mrs. Stephen Philippi and Mrs. V. J. Philippi of Scio came over Friday night to be present at the graduation exercises which their grandson and nephew, Elmer Philippi was graduated from high school.

L. A. Thomas of Mill City who purchased the Harmon interests in the Bon Ton confectionary store last week, has placed Walter Miller of Turner in charge of the business which will continue at the old stand.

Fred Jones of Scio, a brother of F. I. Jones of this place, has purchased the Feisler Brothers pool hall and it is understood expects to move here in the very near future. Mr. Jones is well known about Stayton having spent his boyhood days here, and Stayton people will be glad to welcome him back.

## WET-IQUETTE

A diplomat was talking about the British foreign minister, Lord Curzon of Kedleston.

"Curzon," he said, "is the most pompous and conceited fellow in the world. It is thanks to him that France and Britain are always at loggerheads.

"At Oxford, when he was an undergraduate, Curzon was almost as pompous and conceited as he is now. They tell a story about him to the effect that one day he fell into the river.

"Man overboard. Man overboard!" a bystander yelled.

"Curzon, though he couldn't swim, managed to get his head above water for a moment and to splutter indignantly:

"What do you mean, fellows? Man overboard, indeed! I've have you know, you ignorant lot, that the Hon. George Curzon is overboard!"

Read the Classified Ads

## TURNER

TURNER, Or., June 4.—The high school graduation exercises will take place Thursday evening at the auditorium. The occasion, a special sermon was preached Sunday evening at the Methodist Episcopal church by Rev. R. I. Thomas.

Mrs. B. Briggs and family are moving to Salem. A farewell party was held for her daughter, Miss Bernice, at the home of P. Thomason.

Mr. and Mrs. J. F. Lyle were called to Portland last week on account of the serious illness of their daughter, Mrs. Frank Baker.

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## Scene of Dempsey-Gibbons Go Named for Road Builder

CLEVELAND, Ohio, June 1.—The town of Shelby, Montana, where the heavyweight championship ship battle between Jack Dempsey and Tom Gibbons is to be staged July 4, is named after one of the pioneer transcontinental railroad builders of America, Peter Paul Shelby, father of Mrs. F. J. Schmidt, Cleveland Heights.

Mr. Shelby was one of those actively engaged in the pioneer construction of the Union Pacific railroad. Upon the completion of that road he was made general traffic manager and remained with the Union Pacific for about 25 years. During that time he made a trip of 700 miles northward by sleigh to ascertain if it were worth while to build a branch line into Montana. As a result of his report, the branch was built.

Mr. Shelby afterwards became vice president of the Great Northern railroad under the late James J. Hill and aided in building that trunk line. It was while serving in that capacity that the town of Shelby, through which the Great Northern passes, was named for him.

## Members of Royal Family Appearing in the Movies

LONDON, June 4.—Two members of Britain's royal family already have appeared in the movies, the Prince of Wales and Viscount Lascelles; Princess Alice, aunt of King George, recently used radio to broadcast an address to British women on the adoption of babies, and even the King and Queen are not immune to the modern trend, for they will soon make patriotic speeches into a phonograph and the records in large numbers will be distributed to the children of the country.



## Those Hungry Shingles

TWO HOUSES stand side by side. They began life together seven or eight years ago, spick and span and new. Today, one is sleek and prosperous, the other drab and weather-beaten, its surface a mass of tiny mouths crying out for food. The shingles have been starved, and if that well-nourished look is to be restored, they must be fed with a coat of

## BASS-HUETER Superior Shingle Stain

The beauty of a shingled house lies in the soft homeliness of the rough-sawed surface. To keep this, the shingles must be stained, not painted. They must be fed with a coat of penetrating protective stain. This is where Superior Shingle Stain will prove its worth to you. It is made from chemically pure greens and genuine English oxides, finely ground in pure linseed oil to which is added creosote and preservative oils. Used over shingles or rough-sawed lumber, it produces rich color effects without hiding the grain of the wood.

Whether you are planning to restrain the old shingles on house or roof, or to stain the new, insist on having Superior Shingle Stain. Ask for a color card showing the various colors applied on real wood.

Send for our free booklet "Paint Facts" or "The Way to Beautiful Homes." It gives suggestive color schemes for the painting of your home. BASS-HUETER PAINT COMPANY, San Francisco, California

**DOUGHTON & MARCUS**  
286 N. Commercial St.  
Salem, Ore.



Showing Evans and Henline Mountains. Arrow points to location of Silver King Mine from Elkhorn Postoffice. A view of the Santiam mining district as you enter it.