

BOHEMIA NUGGET.

Devoted to the Mining, Lumbering and Farming Interests of this Community.

VOL. VII

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NO. 40

BOHEMIA MINING NOTES

And General Mining News Gathered From Exchanges.

Geo. W. Lloyd went on Thursday to Ollinghouse, Nevada, to be gone for some weeks on mining business.

Jas. W. Sears of Bohemia was in town Wednesday and reports that things are going nicely on his Grouse Mountain property.

H. E. Doering of Portland was visitor in Bohemia this week. He returned to Portland Friday. Mr. Doering was much pleased with what he saw and will return.

The performance of an amount of work or improvements in excess of \$100 during any year on an unpatented mining claim does not permit the claim holder to carry this over and charge it to a following year. If \$1000 worth of work were done this year, only \$100 of it would apply to this year, an amount to the following year.

Stranger still than a firm changing its plant at the end of a year is the change in the plant of C. A. Scherbin, the greatest of belt manufacturers, who recently threw out all the belts in their own plant, installing in their place directly connected electric motors. The wear and tear, the gain in power by this means will save the firm \$2000 a year about.

The Oregon Securities Company are making good headway with the mill, and hope at an early date to have the concentrator, which was sent up the first of the week connected up. More machinery will be installed soon to crush the ore. The tramway is completed and waiting for the stringing of the wires, to be ready for operation. A small retort was brought down the other day for experimental purposes.

J. H. Baker and his helper Al Hamloth are thinking they ought to have gold medals awarded them for speed in their business. Sunday they drove up to the Red bridge and shod 26 horses before night, driving back the same evening. Mr. Baker says that for an old man it is not so bad. The boys up there want to see the feat done in black and white, so that they can let their friends know about it.

W. H. Standish is suing H. C. Mahon and J. W. Cook for 50,000 shares in the Great Northern Development Co. which operates the Great Northern Mine in the Blue River District.

The presidents of the twin disreputable life insurance jokes, say they positively don't know a thing about the inner workings of their companies! And from the way they have gutted those inner workings, it is possible that they are right!—Record.

The Picket Creek Mining district, below Grants Pass is having quite a boom these days. The Golden Standard mine recently changed hands at a good figure and much new development work is being done. The new owners will install a large reduction works after doing more development work, and expect to do a large business. The Maid of the Mist mine was also sold recently to some Colorado people who are old miners, and will make it go.

The ore sent to the Exposition by the Bohemia Mine Owners Association, took a large part of the space in the annex to the Mining building. It was so located that visitors could not well pass through the building without seeing it. The relief map was an attractive feature. Several awards were given the individual exhibits from the Bohemia district.

Now that the Fair is over the ore will be divided into a number of cabinets and placed in conspicuous positions with other collections in Portland, Eugene, Cottage Grove and elsewhere. The Bohemia Mine Owners Association did the district and themselves great credit.

Crofton Smelter Will Resume Work Soon.

Vancouver, B. C.—Mr. Kiddie, manager of the Crofton smelter, stated that the outlook for British Columbia mining is better than it has been for some time. The Crofton smelter which was closed for six months this year will blow in about a month and will treat the Britannia mine's ores thereafter. Custom work will be taken and the amount of ore gradually increased. The Britannia output is about 500 tons per day, and should the smelter be unable to handle so much, it will be increased.

The University of Oregon team pretty nearly walked over Willamette University's team Monday, but the playing on both teams was very poor, ragged, rough work. The teams both need lots of hard practice.

DEEP GOLD MINING

At What Depth Do Gold Mines Quit?

The Mining and Scientific Press presents an article on deep gold mining, that is of much interest to Bohemia miners, where great depths can be obtained at comparatively small cost of construction and operation, by tunnels. The article says in part:

There is a growing tendency on the part of experienced mining engineers to discover some relations, or connection, between the enriched portions of veins and ore deposits and the topography of the country. In many instances the richest portions of veins are found at and near the surface, and particularly on the elevated ground through which a vein passes, while those portions lying in the canyons or along the lower ground do not, as a rule, afford equally satisfactory results. There are exceptions, and these are numerous, but without doubt the greater number of the character above indicated.

For many years mining engineers and geologists have tried to establish the theory that there is no apparent relation between the occurrence of payable mineral and the topography of the country, but the more extensive the development of mining regions, the more noticeable the fact becomes, that there is apparently such relation.

In some districts it is much more noticeable than in others, but in a general way such relation can be traced out. The causes for this condition are, as yet, speculative, but are presumed to be due to secondary enrichment, caused by the downward flow of surface waters. Nearly all veins carry more or less iron sulphide, which, decomposing, partly becomes altered to iron sulphate. A solution of iron sulphate is said to have the power to dissolve gold in much the same manner as solutions of potassium cyanide. If this be true in nature (as it is known to be in the laboratory) then the iron sulphate solutions slowly dissolve to very fine gold, and reprecipitate it at convenient places in its downward flow—at the intersection of the vein with floors, cracks, seams, with other veins. The pocket hunter is familiar with these accumulations of

gold, at what he knows as "crossings." A floor or fault in a vein usually results in enriching that portion of the vein immediately above the floor or fault plane, and often there is little or nothing below it. Instances of this character are particularly numerous. Another focus of enrichment is in those portions of the vein where there is a flattening in the dip, forming a sort of roll or floor, on which there is often an accumulation of richer ore, and sometimes a pocket.

A careful study of the occurrence of gold in pocket mines would probably throw much light on the subject of ore disposition and particularly on the secondary enrichment of gold-bearing veins and deposits. The richest pockets ever obtained from California mines were found near the surface, or at least in the oxidized zone. The noted mass of gold found on Carson hill, in Calaveras county, at the Morgan mine, in 1850, occurred at the surface, the entire amount coming from the surface pit not over 30 feet deep. Other large pockets were found near the surface. The largest pocket found in the Bonanza mine at Sonora, in Tuolumne county, was obtained within 100 feet of the surface—vertical measurement. Other noted pockets in other mines have been found at or near the surface, while comparatively few—and no very large ones—have been discovered at great depth.

A noted writer stated recently in a current publication that it was doubtful if any gold mine was as rich below 1000 feet from the surface as it had been above it. There are many instances to prove that this statement is not borne out by the facts, for in California there are numerous mines which have proved to be richer below 1000 feet than above that depth. Among the mines illustrating the fallacy of this supposition are the Kennedy mine and Argonaut, near Jackson, the Central Eureka and Eureka mines, near Sutter Creek, and some of the mines of the Grass Valley region.

Then there are mines which continue to be largely profitable below 1000 feet which have also been good above it, but it cannot be said that this richness, nor that of the mines previously mentioned as being better below the 1000-foot level than above it, are due to secondary enrichment. In these cases the condition seems to be normal. To what depth the payable ore (or ore of the same grade as that now being mined) will continue, it is, of course, impossible to predict. As mining operations go deeper, the

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CITY PUBLIC SCHOOLS

Are Doing Good Work—Reports of Various Grades.

The attendance is a little smaller than for the corresponding month last year but it is increasing daily and it will probably be at the four hundred mark by the end of the second month.

The tardinesses for the past month has been much larger than is necessary, in fact, it seems as if tardiness could be eliminated entirely. The parents should see that their children are prompt in getting ready for school.

Excuses are required for all absences, tardinesses or for scholars being dismissed before the end of a session of school. The latter must be brought before the scholar can be excused. Seven days unexcused absence means expulsion, unexcused tardiness counts as a half day of absence.

Several students have been transferred from outside districts to this district which indicates that the Cottage Grove schools are of a good grade.

Miss Kelly was sick and not able to attend to her work for the last two weeks of the past month. She is back this month.

The leading magazines and one daily paper are kept filed in one of the High School rooms for the use of the students in the study of current events. Miss White has charge of this department in the morning assemblies and they are found very helpful. Miss Mundy has charge of the music and as soon as the song books arrive, there will be music in the air.

Prof. Strange addresses the scholars several times each week on the events of the world at large, national questions, important happenings and discusses with them on the merits of the books of the day and interest them in keeping abreast of the times in everything. His talks are greatly appreciated as he is well versed.

There are fifty-four enrolled in the High School and there are twelve members in the graduating class, who, if they all finish, will make up the largest class in the history of the High School.

Examinations will be given every two months in the High School and promotion will depend upon the general average of these.

By a unanimous vote of the student body in the High School at the first of the year recesses were discontinued and the students are dismissed at 3:30 p. m.

West Side School Notes.

EIGHTH GRADE.
Mabel Mackie, Edith Alfred, Etta Owen and Ralph Hawley have entered for the full years work.

The first months tests were finished Oct. 10th. These written tests assist the teachers materially, as they show how much each individual pupil is getting from the work.

The new heating and ventilating apparatus is giving good satisfaction and is much appreciated by pupils and teachers.

The eighth grade has formed a literary society with the following officers. President, Mabel Veatch; vice-president Nelson Durham; secretary, Enos Crowley; treasurer, Louis McKibben; program committee, Gertrude Hogate, Mabel Veatch and Maud Hooper. Committee on constitution and by-laws, Phillip Casebeer, Lester Turpin and Harvey Dyer.

PROGRAM OF EIGHTH GRADE LITERARY SOCIETY FOR FRIDAY, OCT. 20.

- Song—Star Spangled banner, school.
- Recitation—The Forward Duster, Luella Dixon.
- Song—Little feet be Careful, Marion Hooper.
- Dialogue—Behind the scenes, Mattie Bartels, Vera Cochran, Mary McGilvray, Elva Warner and Phillip Casebeer.
- Song—Oregon.
- Composition—James Atkinson.
- Recitation—Music bath charms, Alice Carpenter.
- Song—Red: White and Blue, school.
- Dialogue—The Gypsy fortune teller, Jesse Heath, Nellie Patton, Hazel Hemenway, Vernie Brown.
- Recitation—Graceful Bachelor Bill, Lester Turpin.
- Song—America, school.

Cottage Grove Public Schools Monthly Report.

Months ending Oct. 13, 1905.	Boys	Girls
Total Enrollment...	172	195
New " " " " " "	172	195
Days Attendance...2859	3244½	178½
Days Absence.....	154½	162.23
Average Daily Att 142.95	171.15	
" No. Belonging 150.68	46	38
Times Tardy.....		

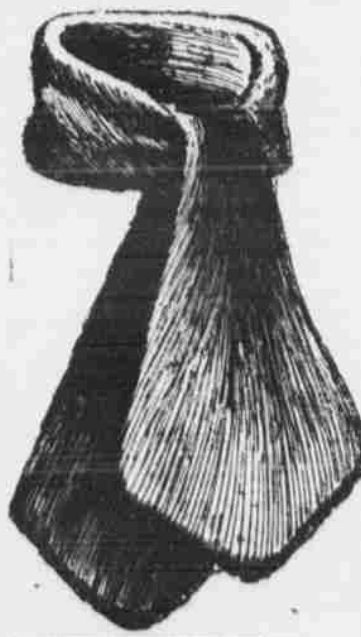
C. L. STRANGE, Supt.

Welch & Woods

Carry the up to date goods and the best goods we can get

Reliable Merchandise

Is what you want.



FURS FURS FURS

When you see our line and get our prices that is all that is necessary, providing you want to buy. Those who see them are surprised at the low price we are selling them for.

Garman, Hemenway Co

Leaders In

Merchandise

