

**BLUE BIRD
MILL ORDERED.**

**DAILY CAPACITY OF PLANT WILL
BE 100 TONS.**

**Machinery Ordered and Paid For—Will
be Here in Thirty Days—Plans for
Buildings Now Under Advise—
Original Purpose to Erect a Ten-
Stamp Mill Abandoned on Account of
Great Showing Property is Making—
G. H. Wheeler Here to Arrange De-
tails.**

Plans were adopted Friday by the directors of the Blue Bird company for the erection of a Sturtevant combination mill, having standard concentrating tables and a daily capacity of 100 tons, on the property at once. The machinery has been ordered, paid for, and is expected to arrive within the next thirty days. When completed this will be one of the largest and finest plants in Eastern Oregon. The machinery is so arranged that it practically constitutes two plants, one for free milling and the other for concentrating purposes, or operated in conjunction, it gives a mill of the capacity stated. It will be the only plant of the kind in the district, and the management states that practically all the ore values will be saved.

Plans for the buildings and framing at the mine are now under advisement and will be completed at once. It is the intention to finish this preliminary work before the machinery arrives that it may be installed without delay. The purpose as now stated is to erect buildings suitable for the accommodation of a plant of 200 tons daily capacity, so that with the outlay of only a few thousand dollars the mill may be increased to this extent without entailing additional expense for building purposes. This would give the company the largest mill in Eastern Oregon.

The original intention was to erect a ten stamp mill with a daily capacity of about twenty tons, but owing to the fact of the remarkably good showing which the mine is making, the high grade character and enormous extent of the ore reserves, it was thought inadvisable to put in a plant of such small capacity. G. H. Wheeler, of Wheeler & company, New York, fiscal agents of the property, is now in the city, and is pushing these constructive matters to an early completion.

Here's Hoping Gen. Warren Will Win Out.

"Gen. C. S. Warren is enthusiastic over the Tonopah mining district in Nevada," said Deputy United States Marshal E. D. Elderkin today. "I took a run down to Frisco, after turning over some Chinese ordered from this state, to the purser of an outgoing Tacoma steamer and ran across General Warren in one of the hotels. Dr. Merrill, another ex-Montanan, is also dabbling in Tonopah properties and he is equally enthusiastic. General Warren believes he is on the road to a sure fortune in his Nevada mining ventures."—Butte Inter Mountain.

To Engage in Business.

George Blanchard, of Shenendoah, Iowa, brother-in-law of E. L. Kennon, treasurer of the Sumpter Lumber company, arrived in the city

last week and will engage in business and remain here permanently. Mr. Blanchard has a couple of sons here who have been employed by the Sumpter Lumber company for some time.

Back From the Sound.

M. and Mrs. R. L. Turner returned Friday from an extended trip to Seattle, Everett and other Sound cities, and also a visit to Southern Oregon. Mr. Turner was formerly superintendent of the Mammoth and has extensive mining interests in the district.

ORIGIN OF PLACERS.

**Colonel Topping Writes About
The Source of Gold in
Sumpter District.**

An article in your last issue entitled "The Source of Gold" interested and incited me to try to show from whence came the gold that enriched the placers of the Sumpter district and Eastern Oregon. There are but three acknowledged ways by which placer gold is deposited and these are: First, erosion of gold bearing ores or formations by the elements and thence carried by floods adown the water courses or volcanic outspews as in the Black Hills, and by glacial action which may carry the metal scores or hundreds of miles until forced by a heat wave to discharge its treasure which then by the action of water is forced into the surrounding channels. In the case of the Eastern Oregon placers there are no indications denoting a volcanic outburst, but in one instance have I found indications of glacial action and that is on the west side of and near the divide between Sumpter and Granite where there is a well defined terminal moraine. Although some pay has been taken out there, yet it has not been found in large quantities and it is probable that the glacier had a comparatively local origin. But it does appear that the erosion and flood theory will account for all of our placer mines. Take for example Granite Creek, from the town of Granite for four miles up the stream the creek bed was sluiced for a width of probably sixty feet and paid well. No pay was found in the side streams for that distance. Then the streams leaving the slate entered into a granite formation and there the placer miners worked every draw and even sluiced the side hills. They exposed numberless quartz and porphyry gold bearing veins and slate, showing almost conclusively the source of the Granite Creek gold. Again at old Robinsonville and Greenhorn gulches generally where millions of placer gold was extracted countless veins and strata carrying high values in gold are found on the high plateau and mountain above. The gist of the above is this, that I believe that wherever in this section a rich placer gulch is found through prospecting intelligently performed will disclose its source or parent vein or veins and I believe that many rich finds are yet to be found.

E. S. TOPPING.

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