

COLONEL GRAYSON DROPS DEAD IN CINCINNATI.

**Brief Telegram Says Death Last Night Was
Due to Either Heart Failure
Or Apoplexy.**

An Associated press dispatch from Cincinnati last night announced the sudden death there of Colonel John Temple Grayson. It says:

"J. T. Grayson, of Portland, one of the wealthy mining men of the northwest, dropped dead in his room in the St. Nicholas hotel here to-night. Heart failure or apoplexy is believed to be the cause of his death."

Colonel Grayson came to eastern Oregon in 1899. He had previously made New York his headquarters, but had operated in various parts of the west. He induced the investment here of several hundred thousand dollars of Cincinnati money; first in Baby McKee and Last Chance and later in the Alpine. He has had trouble with his associates in the Baby McKee of a legal nature, which, it is thought, has not yet been adjusted. Two years ago he went to London to finance a mining deal; but failed to bring back any considerable amount of English money.

Colonel Grayson is reputed to have made several large fortunes at different times, and is always spoken of as a "wealthy mining man." His name appears among the list of Oregon

millionaires in a "financial blue book," recently published; but people here who are more or less familiar with his business affairs say that his estate will not pay his debts. His assets consist largely of stock in the Baby McKee and Alpine mining companies; which, though prospectively valuable, could not now be readily realized upon, and an equity in a handsome home in Portland.

Personally, he was an affable gentleman, a pleasant companion, who loved the good things of life, and his death will be regretted by many acquaintances in eastern Oregon. It will not interfere with either of the mining companies he is connected with, as they have received little of his personal attention.

Dick Addams, superintendent of the Alpine, came in today from the mine. The news of Colonel Grayson's death was a shock to him. Mr. Addams had a letter from Colonel Grayson dated at Portland, February 19, in which the Colonel stated that he was much improved. Mr. Addams knew that he contemplated a trip east, and thinks his leaving at this time was due to a change for the better.

exist underground similar to the last conditions quoted, when gold can be dissolved to be afterwards precipitated on mine timbers or on rusting rails and tools. Cases have been common where mine timbers and rusted iron carry considerable gold. —Pacific Coast Miner.

DAILY OUTPUT OF ORE 27,000 TONS

**Railroads Handle Over Eight
Million Tons Annually Of
Michigan Copper
Rock.**

Each working day in the year an average of 27,000 tons of rock is transported from the various mines in the Michigan copper country to the stamp mills, there to be pulverized and the copper contents extracted. Of this amount the Mineral Range road of the South Shore system handles the most, 10,000 tons; the Hecla & Torch Lake line, which carries approximately 7,500 tons per day for the Calumet & Hecla mine, by which it is owned, ranks second; the Copper Range, serving the South Range district, is third, with a tonnage of 5,000, and the amount transported daily by the Quincy Mining company's railroad, the Quincy & Torch Lake, foots up about 4,000 tons.

The aggregate rock traffic of all four lines for the year, figured at 300 working days is 8,100,000 tons, approximately, from each ton of which a fraction of one per cent to four per cent copper is obtained, the average being about 1½. In mining the rock some 15,000 men are employed, with a smaller army on the payrolls of the railroads and at the stamp mills and smelters.

The Mineral Range road, which next to the Chicago & Northwestern line, serving the Menominee, Marquette and Gogebic iron ore ranges, is the largest hauler of "ore" in the state, is now supplying over twenty-two stamps with rock, these being the Mohawk, the Wolverine, Osceola, Tamarack, Franklin, Mass and Michigan. And it is doubtful if there is anywhere else in the world a railroad operating every week in the year upon which the conditions are so unfavorable as upon the lines of the Mineral Range north of the Calumet, or the "Arctic Circle Route," as the trainmen call it. These are the lines upon which the Wolverine, Mohawk and Kearsarge portion of the Osceola mine are located.

In that exposed stretch snowdrifts, hard and many feet high, during every hard storm run the operating expenses to a high figure. By the use of rotaries, heavy nose plows, extra crews to keep the switches clear, and an army of shovelers, and by operating smaller trains, however, the service is maintained on a regular basis, despite at some times the margin of profit is more than wiped out. As far as the railroad is concerned, the stamps never lack for rock to keep them busy. —Mining World.

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LARGE SUCTION DRILL FOR JOHN DAY DREDGE

The most modern and accurate methods of ascertaining the gold values in prospective placer ground will soon be put in operation by the Empire Dredging company.

The machine is a suction drill, mounted on a traction gear, and was brought into town Saturday by Freighters Crawford and Middleworth. With the boilers and machinery dismantled the prospecting machine weighs over seven tons, and was lugged through the mud by a ten-horse team. When supplied with all apparatus the weight is over ten tons.

The machine not only works rapidly and accurately, but does not injure the ground where it is employed, as the opening will not exceed a six-inch hole. It can be driven by its own power and without damage to the soil into fields, lots and meadows, where the test may quickly be made and the machine moved on with no inconvenience to the owners of the ground.

It is likely that a considerable area will be prospected, after which the company will be able to compute quite accurately what it can afford to do in the way of future development. —Grant County News.

PREPARING TO START THE E. & E. MILL.

The new lathe, which arrived the other day for the E. and E. machine shop, was loaded up this morning and taken to the property.

The intention of the company, as stated a few days ago, is to equip a first class machine shop and make the necessary repairs at the mill, with a view to early operation. Things, it is understood, will be put in shape as speedily as possible and the mill will be started up permanently in the near future.

Gold Dissolved And Precipitated.

There have been occurrences of gold underground that can only be explained by supposing that the gold had first been dissolved and then precipitated from solution. How the solution of gold may occur is suggested by the tests of a New Zealand chemist-geologist. He states that "every sample of chalybeate mine water analyzed by me acted as a precipitant of gold when taken fresh from the workings, but as a solvent of gold at ordinary temperatures in the presence of the oxides of manganese, when it had been exposed to the air for a week or two." Conditions can readily be imagined to

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