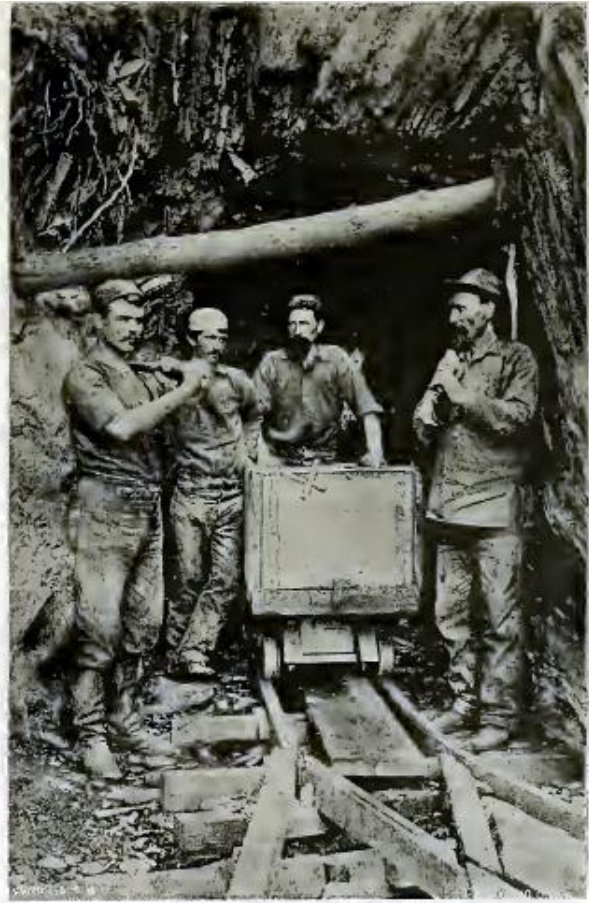


Underground Photographs, Dorer Mine, and A Mine Tramway

We give on this page two photo facsimiles of views at the Dorer mine, Placer county, made from photographs taken by Geo. W. Dornin. These pictures are made direct from photographs, without any handwork or engraving of any kind. One of the views was taken in the open air at the mouth of the upper tunnel, and the other at the face of a side drift a couple of hundred feet inside the tunnel. There is little difference in the appearance of the two photographs, both of which were made instantaneously.



DRILLING AT THE FACE OF THE DRIFT.



AT THE MOUTH OF THE TUNNEL.

The main interest in giving these cuts is to show how little difference there is in obtaining good photographs, whether inside or outside a mine. The underground picture was made with the same camera and lens as the other one, and a "flash light" was used for illumination. This flash light is simply magnesium powder, which, on being ignited, makes an intense light for an instant. A reflector is placed behind the powder so as to concentrate the light at the point to be photographed.

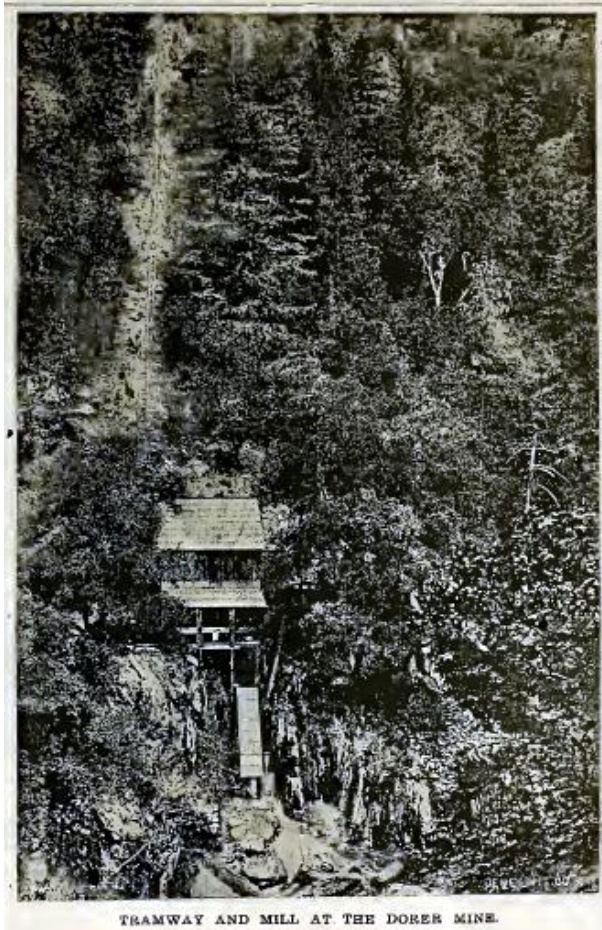
It will be seen that the figures of the men drilling and striking are as clear as those in the sunlight at the mouth of the tunnel. This flash-light powder is much better than magnesium wire for photographic purposes, less time of exposure being required, and it being more easily ignited. By its means underground views are much more simple than formerly.

The Dorer mine, where these pictures were made, is on the divide about 3300 feet above

the South Fork of the North Fork of the American river. The ore is brought down a tramway to the mill, which is of 10 stamps, driven by water-power. The water is taken from the old Sailor Bar dam (rebuilt), about two-thirds of a mile up the river from the mill.

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A Mine Tramway.



TRAMWAY AND MILL AT THE DORER MINE.

In last week's Press we gave two photo facsimiles of views photographed at the Dorer mine, on the South Fork of the North Fork of the American river. The mill is run by waterpower, and is on the river-bank. The mine is on the divide, above the river, and the ore is brought down to the mill by a tramway 3100 feet long. This tramway has three tracks halfway and an automatic switch. A view of this tramway is shown in the accompanying cut, which' was made from a photograph by Geo. W. Bornin

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