

a narrow-gauge, which will have, when completed, a length of 83 miles. Another railroad branching at Battle Mountain, has been surveyed to Austin, a distance of 85 miles. Several others are in contemplation over the great routes of travel where stages now run. From Pioche to Bullionville is a narrow-gauge railroad of some 22 miles in length, used chiefly in transporting ores from the mines of the former place to mills located at the latter. A short narrow-gauge road, used in transporting lumber, extends from Lake Bigler to the summit of the East ridge, where it connects with a flume reaching to Carson Valley. The long valleys and natural passes through the mountains are very favorable for either wagon or railroads, and good highways are had without great expense. The locomotive, with its long train of cars, the dust-covered stage coach with its prancing team, and the great prairie schooner, now give busy life through all the region that was a wilderness but a few years ago. The telegraph has followed the roads, and the extremities of the State are in instantaneous communication with the world. In the secluded cañons pleasant villages are constructed, and flourishing cities adorn the sides of many a silver-stored mountain. More than a hundred and fifty quartz mills, built at great cost, expensive hoisting works, and many furnaces, are found in every portion of the vast region, engaged in extracting the precious metal from the dull rock which incloses it. Thus is Nevada rising from the condemned desert basin to a prosperous State, and establishing the fact that its barren plains and rugged mountains are more richly stored with minerals than any equal area of the world.

MINERAL—QUARTZ MILLS.

The number of Quartz Mills in the State January, 1875, is one hundred and fifty-two, of which one hundred and thirty are propelled by steam. The aggregate number of stamps is about twenty-three hundred. The estimated cost of these mills is ten million dollars. The Consolidated Virginia Mill was erected in 1874, at an expense of four hundred and fifty thousand dollars, and the new mill of the California, now nearly completed, will cost over half a million dollars; both are located at Virginia City. In several sections of the State, where base metal ores are found, numerous smelting furnaces have been erected, which are managed with marked success. Those at and in the vicinity of Eureka annually yield a large amount of base bullion—for 1874, estimated at four million dollars.

TABLE OF QUARTZ MILLS,

With their Location, Name, Cost, Date of Erection, Number of Stamps, and Occupant's Name.

Location.	Name of Mill.	When Erected.	No. Stamps.	No. Arrests.	Power, Steam or Water.	Cost.	Gold or Silver.	Present Occupants.
ELKO COUNTY.								
Cornucopia.....	Leopard.....	1875	30	.....	steam	\$ 80,000	Silver.	Leopard M. Co.
Tuscarora.....	Young America.....	1875	4	.....	water	8,000	"	Young America M. Co.
ESMERALDA COUNTY.								
Alida.....	Alida.....	1872	10	.....	steam	10,000	Silver.	A. L. Page.
Aurora.....	Antelope.....	1864	20	.....	"	125,000	"	Juniata Con. S. M. Co.
".....	Coffee.....	1864	8	.....	"	5,000	"	Merden & Co.
".....	Independence.....	1863	16	.....	"	60,000	"	Juniata Con. S. M. Co.
".....	Napa.....	1862	8	.....	"	12,000	"	Philadelphia Co.
".....	New Wide West.....	1874	4	.....	"	3,000	G. & S.	Juniata Con. S. M. Co.
".....	Real del Monte.....	1863	30	.....	"	225,000	Silver.	Juniata Con. S. M. Co.
Columbus.....	Columbus.....	1870	5	.....	"	10,000	"	Columbus M. & M. Co.
".....	Sweetapple Co.....	1870	10	.....	"	12,000	"	Sweetapple & Hazleton.
East Walker.....	Union.....	1872	4	.....	water	3,000	Gold.	Robinson & Co.
Hot Springs.....	Hot Springs.....	1870	10	.....	steam	10,000	Silver.	Hood & Co.
Montezuma.....	Montezuma.....	1868	10	.....	"	20,000	"	— Van Norden.
Oncola.....	Wetherill's.....	1875	10	.....	"	14,000	"	William Wetherill.
Pine Grove.....	Central.....	1868	5	.....	"	10,000	Gold.	Leyon & Co.
".....	Pioneer.....	1866	10	.....	"	20,000	"	Wheeler & Co.
".....	Wilson's.....	1867	10	.....	"	20,000	"	Wilson & Bro.
Red Mountain.....	Silver Peak & R. M.	1868	40	.....	.....	100,000	"	Silv'r P. & R. M. S. M. Co.
Salt River.....	Lane.....	1868	10	.....	water	10,000	"	N. H. A. Mason.
EUREKA COUNTY.								
Eureka.....	Lemon.....	1872	15	.....	steam	75,000	Silver.	"
".....	Pinto.....	1871	20	.....	"	120,000	"	Bayse S. M. Co.
HUMBOLDT COUNTY.								
Dun Glen.....	Lang Syne.....	1872	5	.....	steam	5,000	Gold.	Christ Lark.
Golconda.....	Golconda.....	1873	4	.....	"	6,000	Silver.	G. W. Holt.
Oreana.....	Montezuma Furnace	1870	10	.....	"	20,000	"	Gen. O'Connor.
".....	Torrey.....	1872	5	.....	water	4,000	"	Torrey & Son.
Relief District.....	Batavia.....	1872	5	.....	steam	6,000	"	Batavia S. M. Co.
Rye Patch.....	Rye Patch.....	1872	10	.....	"	25,000	"	Rye Patch M. & M. Co.
Spring Valley.....	Eagle.....	1874	15	.....	"	25,000	"	Oakland G. & S. M. Co.
Star District.....	Crow Con.....	1873	.....	.....	"	40,000	"	Crow Co.
Unionville.....	Arizona S. M. Co.	1867	20	.....	"	30,000	"	Arizona S. M. Co.
".....	Arizona Tailing.....	1869	.....	.....	"	15,000	"	Arizona S. M. Co.
".....	Pioneer.....	1862	10	.....	s. & w.	10,000	"	Pioneer Co.
Winnemucca.....	Humboldt Canal Reduction Works	1873	10	steam	20,000	"	Ginacca & Gintz.

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