

as too poor for shipment. This mill has 50 stamps and 12 Frue vanning machines, and produced about 1 ton of concentrates from 50 tons of the poor veinstone. The following statement gives the quantity of this ore stamped, and the concentrate produced from May, 1875, to November, 1876 :

Month.	Tons rock stamped.	Product in concentrates. Tons. Lbs.	Total ounces of silver contained in same.	Total cost of dressing.
May, 1875,	541	11.1454	10,210	\$1,237.69
June, "	1,065	25. 212	17,552	2,049.89
July, "	1,079	28. 104	19,125	2,427.33
August, "	762	20.1100	11,238	2,302.78
September, "	1,505	35. 182	17,804	2,990.85
October, "	1,678	37. 843	14,415	2,840.15
December, "	1,642	31. 847	11,548	3,172.26
January, 1876,	1,556	30.1824	15,990	3,089.96
February, "	1,421	28.1312	16,346	2,944.89
March, "	1,690	32. 651	15,754	3,238.60
April, "	645	10.1475	4,806	1,788.83
May, "	1,673	33. 583	9,614	3,036.62
June, "	1,565	33.1288	10,504	2,891.36
July, "	1,525	41. 978	11,757	2,768.47
August, "	1,600	33.1591	9,527	2,833.04
September, "	1,505	33.1232	10,060	2,807.17
October, "	1,500	38.1835	9,234	2,596.26
November, "	1,494	29. 194	11,389	3,093.93
	24,446	541,373	226,873	\$48,145.08

These figures show that 9.28 ounces per ton were extracted from the stamp rock and concentrated in a product containing 418 ounces per ton, at a cost of \$1.97 on the original ore.

The unfavorable changes in the Silver Islet vein, which occurred in the fall of 1873, continued up to the close of 1876. The new levels which had been opened up, the eighth and ninth, proved wholly unproductive, although no difficulty was experienced in following and working on the vein. A vast amount of exploratory work by means of the diamond drill also failed to discover any deposits of rich ore. The consequence was, of course, great financial embarrassment and an almost entire cessation of work during the summer of 1877. In August of that year work was resumed, and up to December 23,850 ounces of silver obtained by stoping in the upper part of the mine. It was even proposed to remove the rich ground lying betwixt the mine and the lake, substituting for it an artificial arch; but, fortunately, in the summer of last year a bunch of rich ore was struck beneath the fourth level, south of the shaft, which in a few months yielded 721,632 ounces of silver, a quantity amply