

spars, thinly speckled with blende and iron pyrites.

CONCLUSION.

The sump shaft, at Spar Island, I should sink to twenty fathoms in depth. In this work there could be nine miners and two labourers employed. The excavation H, I should work by three miners; and in such case there would be a smith and cook required. The present smith's assistant (Bellmore) would be sufficient, who would re-engage. The smith and carpenter would re-engage. Winze B, Mainland, I should continue to sink, until it reached twenty fathoms from the brace. Nine men could be employed.

GALLERY X.—I should continue to drive until the above works were completed.

The stamps I have proposed I should also build; and, in case it should be on this Lake, I have enclosed a list of materials that would be wanted.

FIFTH REPORT.

Prince's Harbour, March 3d, 1849.

On the 13th ult. I sent you the monthly report of the mines; but being favoured with the Secretary's letter of the 20th of December, I beg to send you an addition to the measurements of the works, and to recapitulate my proposed plan for working.

First measurements of works executed since the explanatory map:—

	Feet lineal.		Size in feet.
Gallery X.....	23 ..	6 by 5	
Air Shaft and rise.....	29 ..	6 " 5	
Winze B, including 10 feet underlay,	33½ ..	6½ " 5½	
Winze A	15 ..	6 " 4½	
Crosscut East at Winze B's Brace ...	9 ..	6 " 4½	
" West	3 ..	6 " 4	
Gallery to develop the Cavity at Winze B's Brace	13 ..	5 " 3	
Excavation B 2.....	3 ..	9 " 6	
Flat at Winze A	6 ..	3 " 6	
Sump Shaft, Spar Island.....	19 ..	7 " 5	
Whim Shaft	9 ..	6 " 4	
Excavation H	18 ..	4 " 9	