

pretty extensively, and has verified his prediction and justified his expectations by proving to increase in a very marked manner in the yield of copper ore in proportion as the works are carried deeper. This is a most important fact, establishing the value of many veins in this district, which at the surface appear to yield only a little ore, though much iron ore. The mining operations have been conducted in a very systematic manner. The principal shaft is now nearly 40 fathoms in depth, the last ten fathoms having produced more or less copper ore, say 8 cwt. of 8 per cent ore to the fathom. The total linear extent of the drifts is about 47 fathoms. The vein is from two to three feet wide and is now everywhere producing good specimens of yellow sulphuret of copper with every encouragement to a continued prosecution of the work. The veins in this mine are affected by cross courses of amygdaloid trap and fluccan, or soft decomposed rock, which are always regarded by the miners as highly favorable indications. Situated four miles from the railway at Lennoxville.

No. 22. GOLCONDA MINES, ASCOT. Lots 2 & 3. Range 13, W. S. Hunter, Esq.

A phial containing about ten ounces of gold, value \$180. These specimens are taken from alluvial washings, but are so sharp and angular as to prove that their native bed is in the immediate neighborhood. Mr. Hunter states that during the time he worked them last year the yield was six dollars per day per man, and that a panful of dirt would frequently yield two dollars worth of gold. The quartz veins in the property contain gold to the value of \$16 per ton, and preparations are being made to erect quartz crushing machinery. The mines are situated on the Grass Island Brook, a tributary of the Magog river, about twelve miles from Sherbrooke.

No. 23. GILBERT RIVER, a tributary of the Chaudière. Mr. John N. Gee, Exhibitor.

Two nuggets from the far-famed Chaudière gold region, which maintains its reputation for productiveness and continues to attract both individuals and Joint Stock Companies. In addition to the alluvial diggings it is probable that quartz crushing operations will shortly be instituted.

No. 24. MELEBOURNE SLATE QUARRY. Lots 21 & 22. Range 6, Thomas Mackie, Esq.

Very fine specimens of roofing slate; one being five feet long by eighteen inches wide, and very perfect in every respect. This quarry has been in successful and profitable operation for the last three or four years, and is capable of supplying an almost unlimited amount of the very best roofing slate; the band being stated by Sir William Logan to be not less than one-third of a mile wide and 400 feet from the present workings to the drainage level at the