

No. 6. ORFORD MINE, ORFORD, Lots 8, 9, Range A, Messrs. Galt and Besette, Proprietors. Major Chas. King, Exhibitor.

Yellow sulphuret of copper in quartz gangue, associated with a bastard serpentine; rock of the country, diorite with diallage.— This mine is situated in the same mineral district, and in rocks of a similar character to those last described. Six veins occur within a breadth of twenty-five feet, cutting the rocks and seeming to converge in descending. Some of these are ten inches wide, and all are rich in copper ore. This mine has been considerably explored, and affords good promise. It is situated about 14 miles from Sherbrooke.

No. 7. SHERBROOKE MINE, ASCOT. Lot 12, Range 7. Eleazer Clark, Esq.

The copper mines in this rich mineral district are nearly all of the same general character. The ore consisting of combined iron and copper pyrites in embedded veins, in micaceous and chloritic slate; the ore being generally associated with silicious and calcareous matter. The concentration of the ore in these veins seems to be due to twists and dislocations of the rocks, both in a horizontal and vertical direction. The copper bearing rocks in Ascot occupy a breadth of $4\frac{1}{2}$ miles in a band running diagonally through the township in a north-easterly direction, and have produced many very valuable mines, of which the present is one of the most important. The work at the mine has hitherto been entirely of a preliminary or exploratory character, and has proved highly satisfactory,—the ore bed from which these fine specimens were obtained being eight feet in thickness, while several others are known to exist on the property. Situated only one mile from the railway.

No 8. BELVIDERE MINE, ASCOT. Lot 10, Range 9. Eleazer Clark, Esq., Proprietor.

These specimens are of similar character to the last, and the same general remarks will apply in regard to the location. The following is Sir William Logan's description of this mine, as given in his general report for 1863 :

* "Here there is a considerable breadth of fine white micaceous or nacreous slates, with which is interstratified a bed of greenish quartz or mica schist, this is in parts chlorite or talcose and con-

* E. Clark, Esq., has requested the Secretary to insert the following note : Since the Report here referred to, 70 feet additional excavation has been made following the dip of the bed and striking upon very rich ore throughout its thickness. The following is an assay :—

SAMPLE, BELVIDERE MINE. }	STATE ASSAYER'S OFFICE, 11 Boylston Street, Boston,
Result of Assay.—Sample of copper ore marked as in margin, received from E. Clark, Esq., contains 20 per cent of copper.	A. A. HAYES, M. D. State Assayer.
October 1, 1864.	