

on the 12th lot of the 10th range of Ely, an attempt was made some years ago to open a quarry on a band of very fossiliferous bluish-black slate. The cleavage is vertical and strikes S. 56° W. Bands of apparently good roofing slate are met with on the 14th lot of the 1st range of Halifax, and further to the northeast, in the Township of Frampton. For some distance above and below the junction of the Rivière du Loup with the Chaudière, good clay slates are largely developed. On the Rivière du Loup, half a mile above the junction, a band of the rock exceeding half a mile in breadth, would, in several places, afford good writing and roofing slates. A locality for slate occurs on the 18th lot in the 3rd range of Tring. In the continuation of the Quebec group to the northeastward, slates apparently fit for roofing, are found on the Marsouin River in the northern part of the County of Gaspé, a few miles back from the St. Lawrence. The above mentioned slate bands in the Eastern Townships also belong to the Quebec group of the Lower Silurian System. In the Upper Silurian rocks, on the 2nd lot in the 5th range of Orford, dark blue roofing slates are found, not unlike those of Melbourne, but less smooth in cleavage; and again on the 29th lot in the 5th range of Brompton, on what appears to be a continuation of the last mentioned band. Similar slates occur in West Bury on the St. Francis River. Blackish slates, which may be suitable for roofing, are met with among rocks of the same age on the Patapédia River in the county of Bonaventure. The information just given in regard to the slate rocks of Canada is to be found in the reports of the Geological Survey.

#### *The Walton Slate Quarry.*

A short time ago the writer accompanied Mr. Walton from Melbourne village on a visit to his slate quarry, and obtained most of the following notes respecting it when on the ground.\* For the information of those not acquainted with the geography of this part of the country, it may be stated that Melbourne is on the west side of the St. Francis River opposite to Richmond, from which the Grand Trunk Railway diverges in three directions—to Montreal, Quebec and Portland; the branch to the last mentioned, running for a number of miles up the east side of the river.

After a drive of three miles along the main road upon the west bank of the river, we come to the quarry road, turning west at right angles,

\* Mr. Walton's property has been examined by Charles Robb, Esq. Mine Engineer, and his report, (an abstract of which was published in the Journal of the Upper Canada Board of Arts and Manufactures) has been consulted in preparing this article.