

REPORT OF PROFESSOR CHAPMAN, ON THE GALWAY MINING COMPANY.

Having been instructed by the Directors of the Galway Mining Company of Peterborough to examine the mineral property of the Company, and to furnish them with an impartial Report upon the same, I visited the ground on the 23rd inst. in company with two of the Directors, Messrs. Rogers and Stephenson, whose knowledge of the locality was of much service. I avail myself of this opportunity to offer my thanks to these gentlemen for their kind assistance, and beg, at the same time, to record my conviction that the greatest reliance may be placed in Mr. Stephenson's judgment and suggestions, as regards the development of the property generally.

The Galway Mining Location comprises the west half of lot 20 in concession A. of the township of Galway, county of Peterborough. It contains about 50 acres, and is held by the Company in fee simple. The Bobcaygeon Road forms the boundary of one side of the property. By this road, to the village of Bobcaygeon, on Sturgeon Lake, the distance is between 11 and 12 miles. From Bobcaygeon, freight can be shipped to Lindsay (22 miles), and from thence carried by rail to Port Hope on Lake Ontario, a station of the Grand Trunk Railway. Another outlet is by way of Mud Lake to a point 15 miles from Bobcaygeon, to which a line of railway will shortly be carried from Peterborough. The products of the Galway mine can thus be taken to the front almost entirely by water and rail: the only teaming required, being over the portion of road (11 miles) between the mine and Bobcaygeon village. This road is in good order, and of easy grade. As regards accessibility, therefore, the property is very favorably situated—more so, indeed, although lying in a comparatively remote township, than many mineral locations situated somewhat nearer to the front.

The country rock of the location consists essentially of mica slate interstratified with hornblendic gneiss and crystalline limestone, the whole belonging to the Laurentian or Gneissoid Series. The strike of these strata is N. 20° to 25° E., corresponding with the general direction of the ridges and narrow valleys of the district, the valleys lying chiefly along the course of the limestone bands. Several well-defined mineral veins occur upon the Company's property. Two of these, running parallel with one-another at about 100 feet apart, have been traced entirely across the location. They cut the strata almost at right angles, their course being N. 60° to 65° W., with a very slight underlie (in places imperceptible) towards the N. E. Another vein, of similar mineral character, appears to run N. 60° E., but at present it is entirely undeveloped. This is known as the "Cross vein." Well-marked indications