

regarded as marking the course of an *embedded vein*. The purest plumbago has been obtained chiefly at the pit marked No. 5. At the distance of about two hundred feet across the strike, other openings have revealed the probable existence of another parallel vein of the mineral.

On both of your lots the facilities for mining, as regards drainage, deposit of waste materials, supply of timber, proximity to roads, &c., are of the most favorable description.

Sir William Logan, in writing of the two locations secured by you, remarks: "A bed of pure graphite occurs in the Augmentation of Grenville, and has been traced at intervals for a distance of about three miles, running a little east of north. One of the exposures, occurring on Lot 3, Range 2, has been mined to a small extent by Messrs. Russell & Co. At the opening of the excavation, it showed a thickness of about ten inches; but the pure graphite was found to form a lenticular mass, which appeared to be separated from other masses of the same character by intervals, in which the graphite became intermixed with the limestone. It is probable, that a number of these, running through the rock at the same horizon, may represent the general character of the workable beds. On Lot 2, Range 6, *the bed becomes three feet thick*; but here the quality is impaired by the presence of foreign earthy matters, which, however, can scarcely be detected by the eye." I may here remark, that, on a late visit to your lot, No. 2, in the Sixth Range, I found that, in addition to the *bed* referred to by Sir William, a *vein* had recently been discovered, which