

limited, and the supply so uncertain, that the article is comparatively unknown in the Market, and has been consequently confined to a few hands. But by an extension of the operations, from a proper employment of Capital, a very large and constant supply may be kept up with the mercantile community, and with the greatest facility.

Veins of Specular Iron Ore, and Copper Pyrites, occur in the same Strata as the Barytes; and the latter may be very properly looked on, if not as a Matrix, still as a very strong indication of the co-existence of other Metalliferous Deposits occupying the same channel of ground.

This is a feature of considerable importance in a mining point of view; as the operations to be directed, in the first instance, to the Barytes most necessarily tend to the development of the Iron and Copper, and may thus be extended, by the same staff of operatives, to the working of the latter Minerals upon the most cheap and effective scale.

Their quality is undeniably rich, but nothing whatever appears to be known, at present, of their extent. From the regularity and size, of the Lodes however, already exhibited in the Banks and beds of the Rivers; added to the exceeding favourable nature of the accompanying strata, little doubt can exist (judging from parallel cases) that they are to be found here in large and productive quantities.

Rich specimens of Zinc and Manganese, are to be found likewise in this immediate locality, evidencing their presence also. But none of these deposits came under my notice, from the natural impediments before mentioned. Such specimens, however, were handed me by the inhabitants who had picked them up in the bed of the river in the summer season.

Of the various Marble beds or deposits in the Five Islands District, the *white* most undoubtedly take the pre-eminence; although the variegated, from their variety, beauty, and compactness, must always stand very high in the scale.

The *White Marble* is of the finest quality for purity and grain; having been pronounced by a most eminent Statuary, to combine all the requisite characteristics for the most delicate and enduring works of art. Judging from the appearances of the several beds partially opened on; and their length and breadth, traceable on the surface in the forest, and in the bed of the contiguous river, there can be no question that this most prized and valuable article, exists (in situ) here, to an extent little suspected by any one, and now, for the first time, to be developed to the world.

The *Variiegated Marbles* present several very distinct varieties; amongst the most prominent are a most delicate *Lilac* (or *Amethyst*) ground, combined with a soft yellow, or gold colour. A pure *Lilac*, with a trifling admixture.

And a *Lilac*, blended with green, varying in deep and light shades. The former and latter of these represent a *Giallo Antico* and *Verd Antique*, of a true and unmistakable character—involving (from their beauty) the utmost difficulty in deciding to which the palm for merit and value should be awarded.

Property, of such intrinsic value as these, can no longer be allowed to remain buried, and unknown in the bowels of the earth; and the surprise to myself is, how they can have so long escaped the prying eye of man, and wasted their hidden treasures in the desert air.

Nature has so arranged and placed these beds in the river bank, (here assuming a height of several hundred feet) as to render their being quarried with the utmost ease and cheapness. And

the more so, from their immediate contiguity to each other. The Layers or beds of the material lie horizontally in the face of the bank; and, judging from their compactness and nature, blocks of very large size will no doubt easily be worked out.

Harbours embracing the most advantageous positions, are everywhere almost in contact with the Mineral Districts, to which access is easy, in most cases, by gentle inclinations; and shipping for the exportation of metals or minerals abundant; and freight moderate.

The Province, from the cursory view I was enabled to take of it, appears to be bountifully supplied by Providence with wood and water, and to comprise, generally, an undulating country of upland and interval; the latter, particularly in the *Truro*, *Onslow*, *Economy*, and *Five Islands* Districts, abounding in alluvial soils of the richest description.

From the ungenial season of the year, when nature had put on her most sombre mantle—the vegetable world appeared to the least advantage to the visitor. But enough was apparent to satisfy me, that, in a few months, a total change will have overspread the scene—and that few countries can boast of greater luxuriance or beauty.

The geographical position of the Province, placed as it is, between two immensely populous and consuming quarters of the globe (Europe and America) gives it an undeniable advantage over almost every other portion of the civilized world—and *unity of purpose amongst its inhabitants*; rapid internal communication by *Railroads* (one of which latter I am happy to find, is now in actual progress, and which will, in effect, be the *Lung* giving vitality to the whole—and a main artery through which the enterprise, spirit and commercial wealth of those two most important communities must directly circulate,) and *Capital* alone, are wanting to render it most wealthy and prosperous.

I cannot conclude these hasty notes without expressing my great obligations for the uniform kindness and attention, I received at the hands of all classes of the inhabitants, (from His Excellency the Governor of the Province, to the Native Indian in his primitive Wigwam,) during my very short sojourn amongst them,—bearing out, in the fullest sense, the high character for hospitality and kindly feeling, which I had been led to anticipate from them, previously to my quitting the British Shores.

I beg to apologize for the length of this communication, which I had intended to have made much more concise, but the very great interest and importance of the subject, have led me unwittingly on.

It will afford me much pleasure to transmit to you, the published transactions of the "*Penzance Natural History and Antiquarian Society*," and to receive from you a copy of your's in exchange.

I am, Sir,

Your most obedient Servant,

JNO. R. A. MILLETT.

Electric Light, and Colour Manufacture.

We have perused a little pamphlet, just issued from the press, on Electrical illumination by J. J. W. Watson, Ph. D., F. G. S. &c. It gives a clear and succinct account of the process of discovery, which, according to the author, has resulted not only in the realization of the long-sought desiderata—viz, an economic and a continuous electric light—but also in the discovery of a