

and the beautiful state of division, that impart a peculiar character to your soils, and distinguish them so favourably.

"They are soils upon which I imagine flax could be grown in perfection, supposing the climate to be otherwise favourable. There is one particular to which I would direct your attention. None of these four soils contains, in comparison with other soils, a high percentage of lime, and No. 2 especially I think would be benefited by an occasional application of lime. The soil No. 3 contains most lime, both as carbonate and in the state of silicate of lime.

"I have analysed separately the portion soluble in acids, and the portion of the solids insoluble in acids. The analysis of the insoluble silicates requires fusion and takes up much time, and for this reason I could not send you the results before.

"For comparison's sake with other soils, I have put together the results obtained in the analysis of the portion soluble in acids, and those obtained in the analysis of the insoluble silicates, so that you may see at a glance the total amount of lime, potash, &c., in 100 parts of dry soil. In the same table I have given approximate determinations of the amount of sand, clay, lime and organic matter, which may be useful for some purposes.

"Believe me, dear Sir,

"Yours faithfully,

"AUGUSTUS VOELCKER.

"J. Caird, Esq., M. P."

THE END