

Boston Nov 25, 1895.

Dear Sir,

I am gratified by learning that you think well of my account of the Fells zone, and the paper on the coal formation; and am grateful for the information you have given me respecting the millstone grit and the Cass section. I think the latter when I can examine and compare it with my St Marys sections, will throw light upon them, ~~but~~ probably the part of it South of Cape porcupine, may show the very continuation of the St Marys deposits.

Your doubts respecting the Glasgow Conglomerate, are of the same nature with difficulties that have occurred to me. I have not yet been able to ascertain with precision, how many or what beds intervene, in ascending order, between it and the Albion meanders, though I believe most of them are seen near the E river. When it is considered however that the beds north of the Conglomerate are quite different from anything known to occur below the coal meanders, and are the same time evidently belong to the coal formation; and are identical with the rocks forming the upper part of the Carboniferous series in Maryland, it can scarcely be doubted that their true position is that

which has been assigned to them. This view is also confirmed by the arrangement of the formation along the shore from Boston to Wallau, on this point I have collected many new facts this summer. The manner in which the older Carboniferous strata run against the break at N Glasgow, & the Middle & West Rivers, almost seems to indicate that they were disturbed before the deposition of the Newer Series. I am sorry that the lines of strike on my map are so imperfect. I could now connect the ends of some of the detached portions, and add many things I was afraid to touch two years ago but have since obtained good evidence of.

I have no doubt that your anticipations of the probable Mineral value of the Cobeguid Chain, are well founded. I have of late been more and more disposed to view that range, and the similar one connected with the Antigonish & Sherbrooke Mountains, as the most likely parts of the Province to afford metallic ores.

With respect to a geological examination of the Cobeguids, it would very well suit my present inquiries as I have been for some time endeavoring to collect facts to enable me to put together the broken fragments of strata in our great lines of disturbance, and ascertain their true ages. and had intended to devote whatever leisure I might have next summer, to this purpose.

I suppose that one summer of hard work would be sufficient time for such a reconnaissance as the Company would wish. Should they apply to me I think I could spend three or four months in the field and afterwards determine and if necessary analyze the useful minerals found, on the following terms: £50 or £60 to be placed at my disposal for hiring labour and defraying other expenses, and to be accounted for by me; £100 to be paid to me on the conclusion of the work; and the Company either to print the report in full or to permit me to publish <sup>at my own expense</sup> in any way I might think proper any scientific facts of general interest that might be collected.

You may perhaps think the time stated above too short and the sum for expenses too small; if so they might be increased. I think however that by working diligently & systematically it could be well done in the time stated and perhaps with even smaller outlay. That is if the objects contemplated were merely the discovery of useful deposits, the investigation of their nature form and extent as far as it could be done by surface examinations, and the indication of the best sites for thoroughly exploring them and working them on a great scale, without undertaking any expensive excavations until after the completion of the

Survey.

It gives me much pleasure to learn that any further investigation of the resources of the Province. A vigorous attempt to bring into notice at the present time whatever mineral wealth the Province possesses could scarcely fail to be serviceable to the Company in many respects as well as extremely advantageous to the country.

- 1 - drift in older coal measures
- 2 - extent with Mercurial WC & with beds along the to wallum evidently newer than hills inland
- 3 - greater disturbance of older beds - possible unconformability & disturbance or denudation

Chambers to  
R. Brown  
9 letters  
1848