Mc Gill College.
Montreal.

Sept 26, 1870

My dear Sir,

When in London I promised to go over my specimens of cores with the view of ascertaining to what extent the Shaw spine-cores resemble those you were kind enough to show me. I have not until recently had time to do so and as your mode of preparation with marine glue was new to me I wished to try it. The result is as I expected that

indications of spore-cases are not very frequent except in certain cannel and shaly coals, for instance that in No XIX of my Fossil section referred to in my paper on Conditions of accumulation of Coal (Journal G. S. pp 115 & 139 & 165) I am however prepared to admit that the clear spots in Cannel may in part at least be spore-cases, as they certainly appear very similar in form, texture and arrangement to the sporangites in the bituminous shales.

I enclose in this as additions to your collection specimens of sporangites from the Upper Devonian, Lower carboniferous and Coal-

measures — in all the three cases from shaly beds in which they constitute much of the deposit.

The greater part of the map of our coals and also of British coals in so far as I have examined them certainly consists of carbonaceous tissues with more or less of true wood. Layers of spore-cases, of leaves &c, occur usually in layers of some coal or shaly matter

Dr Wm Wadley
Le 1/1/70