Ruhan Wal/93

He ph Mr.

1

TAYLOR & BUCHAN,

Advocates, &c.

A. D. TAYLOR. J. S. BUCHAN.

TEMPLE BUILDING, ST. JAMES STREET,

Montreal, November 29th., 189 3

Sir William Dawson,

McGill College

City.

My Dear Sir William: -

The specimen sent herewith was taken from the bed of the Ottawa river at the foot of the Chaudiere falls, in the course of the excavations for the new suspension bridge built a few years ago.

It was handed to me by Mr. Donald McCallum of St. Andrews, Que., who stated that in 1838 he was engaged in lumbering and was for some time in the neighborhood of the place from which the stone was taken, that the old wooden bridge which crossed the river at that point was then being built and that he frequently saw iron bolts of the size and shape of the screw shown on the stone, fall into the river and his opinion was that these bolts in some way produced the effect which now appears on the stone.

It appears to me to be a Crinoid probably a Periechocrinus, but I have had so little practical experience in such matters that I always feel considerable hesitation in speak -ing of them. If the specimen os of any interest either to yourTAYLOR & BUCHAN,

Advocates, &c.

A. D. TAYLOR.

J. S. Buchan.

TEMPLE BUILDING, ST. JAMES STREET,

Montreal,

189

yourself or for the Museum I shall have much pleasure in leaving it with you to make whatever disposition of it you think best.

Another matter which may be worth reporting concerns the drilling of an Artisan well by The Laprairie Press -ed Brick & Terra Cotta Company to obtain a supply of water for their works at Laprairie. The well was drilled at a point near the old line of the St. Lawrence & Champlain Railway and about a mile from the St. Lawrence River. At this point the deposit of Utica Shale comes to the surface and the well was drilled to a depth of 1000 feet without reaching the bottom of this formation, and without obtaining water except a small spring at the depth of about thirty feet from the surface.

Owing to a change which it would have been necessary to make in the Machinery used in drilling the well and another supply of water having been obtained further work was discontinued but in all probability it will be resumed later and should this be done I will communicate the result to you.

I may say after having seen you respecting this matter last spring I questioned the Contractor as to the nature of the material through which they were drilling at the depth of 1000 feet, He stated it was the same as it had been all the way down except that they met with seams, as he called them, which were slightly harder than the rest of the formation.

Pomhais De Cruing arterian WER