

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Washington, D.C., Apr. 26, 1894.

Prof. O. C. Marsh,
New Haven, Conn.

Dear Sir:

Among the vertebrate fossils shipped to you by Mr. Schuchert yesterday is a small box containing the bone from Castle Gate Utah which you saw when here. There is a locality label accompanying the specimen but I may add that Castle Gate is an important coal mining village on the Rio Grande Western railway in Price river canyon. The coal bed mined there is Laramie and probably very near the base of that formation. Above this bed there is about 300 feet of brownish sandstones and shales with several seams of coal, followed by a series of massive gray sandstones with an estimated thickness of 1000 to 1200 feet forming great vertical cliffs. The bone was found in a block of sandstone that had fallen from one of these cliffs. It also showed imprints and portions of three ribs evidently belonging to the same animal, and a fragment of one of them is among the pieces sent you.

A short distance above the top of the massive sandstone fresh-water Eocene beds are found.

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_____, 189 .

If the specimen is determinable I would be very glad to know what it is and the horizon at which it has been found elsewhere.

Very respectfully
D. W. Stauber

2235

Left humerus. Scap
o Coral Coral Plasaurus.

Castle Gate, Utah

(Copy)

16255

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

DIVISION OF VERTEBRATE PALEONTOLOGY

NEW HAVEN, CONN., December 13, 1894.

T. W. Stanton, Esq.,
U. S. Geological Survey.

Dear Sir: -

The vertebrate fossils from Castlegate, Utah, sent to me in April last, I examined soon after they were received. Since then I have had more of the rock removed from the specimens, and thus am enabled to determine them more accurately, and, in accordance with your request, I send you the result.

The remains sent consist of portions of the left scapula, coracoid, and humerus of a large Dinosaur, belonging to the genus I have called Claosaurus, characteristic of the upper Cretaceous. The present fossils indicate an animal about thirty feet in length, and agree in ~~the~~ essential particulars with the type specimen of Claosaurus annectens, which occurs in the Ceratops beds of the upper Laramie of Wyoming. The block of ^{Utah} sandstone containing the remains ~~is~~ is very similar to the matrix enclosing the Wyoming fossils.

The present remains are in position, and it is not unlikely that ~~that~~ much more of the skeleton ^{is still} ~~was~~ entombed at the same locality. It is important to obtain the remainder, if possible.

Yours, very truly,

(Signed) O. C. Marsh.

Official communications should
be addressed to the
Director of the Survey.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

WASHINGTON, D. C.

Dec. 18 1894

Professor O. C. Marsh,

New Haven, Conn.

Dear Sir:

I thank you for your recent letter concerning the Dinosaurian remains from Castle Gate, Utah, and am pleased to learn that your conclusions from the study of this fossils ^{and add to} confirms the results that I had obtained from a study of the stratigraphy and the invertebrate fossils of the same neighborhood.

I fear that the chances of obtaining more of this animal are not very good since the cliff from which the block containing the bones had fallen is deeply dissected by canyons and is so nearly vertical that only the base of it can be carefully examined.

I will write to Mr. Robt. Forrester who lives at Castle Gate and is much interested in local geology asking him to search for more specimens.

Yours truly
T. W. Stanton