

This specimen is now in the State Museum at Vermillion.

(2) The second fossil was a slab of sandstone about four by five feet covered with the tracks of some bird. The individual footprints are about three centimeters apart; are four-toed, three in front and one behind; and each print measures approximately two centimeters in length. No determination has yet been made of the species of bird which made the tracks.

These notes are but suggestive of what the Slim Buttes section holds in store. If such interesting specimens can be found accidentally, surely organized research would secure results of great value.

NOTES ON SOME FOSSILS OF HARDING COUNTY

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(Abstr.)

The "Slim Buttes" section of Harding County, South Dakota, because so little authoritative work has been done there, is practically a new field so far as any intensive geological investigation is concerned.

Of this region, Town 18, Range 8, has recently yielded many interesting fossils, most of them found without systematic search. Attention is herewith called to two of them.

(1) A skull of a carnivore was found, which proved to be one of the Sabre-tooth Cat family, viz, *Dinictis felina*, Leidy. This determination was confirmed by the State Geological and Natural History Survey.

After cleaning, the skull showed a remarkable state of preservation. Other than a slight lateral pressure, it was in almost perfect proportions. No teeth were missing, and no serious fractures were noticeable, except in portions of the temporal bones. The fangs or canine teeth were about eight centimeters in length, curved backward, and were serrated on the inside or concave edge. The other teeth were in a perfect state of preservation and were all well set.

The remaining bones of the skeleton could not be found. Presumably weathering and erosion had disintegrated and scattered them.