

in teeth, various enough in their forms to indicate a corresponding variety of families and genera among the ichthyolites to which they belonged. Some are nearly straight, like those of the *Holoptychius* of the Coal Measures; some are bent, like the beak of a hawk or eagle, into a hook-form; some incline first in one direction, and then in the opposite one.

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could be no other than *oyster shells*; though eventually, on becoming acquainted with the decision of Professor Fleming regarding them, both gentlemen were content to alter their opinion, and to regard them as scales. The Professor, in his paper on the Old Red Sandstone in *Cheek's Journal*, referred incidentally to the *oyster shells* of Clashbennie — a somewhat delicate subject of allusion; and in Dr. Anderson's paper on the same formation, which appeared about seven years after, in the *New Journal* of Professor Jameson, the geological world was told, for the first time, that Professor Fleming had described a scale of Clashbennie *similar to those of Drumdryan, (i. e., those of the Holoptychius,)* as bearing a "close resemblance to some of the scales on the common sturgeon," and as probably referable to some "extinct species of the genus *Accipenser*." Now, Professor Fleming, instead of stating that the scales were at all similar, had stated very pointedly that they were entirely different; and not only had he *described* them as different, but he had also *figured* them as different, and had placed the figures side by side, that the difference might be the better seen. To the paper of the Professor, which contained this statement, and to which these figures were attached, Dr. Anderson referred, as "read before the Wernerian Society;" — he quoted from it in the Professor's words — he drew some of the more important facts of his own paper from it — in his late Essay on the Geology of Fife he has availed himself of it still more largely, though with no acknowledgment; it has constituted, in short, by far the most valuable of all his discoveries in connection with the Old Red Sandstone, and apparently the most minutely examined; and yet, so completely did he fail to detect Professor Fleming's carefully drawn distinction between the scales of the *Holoptychius* and those of its contemporary that when Agassiz, misled apparently by the Doctor's own