

the considerable compression they have suffered, were obtained from depths of 95, 107, 120 and 135 feet from the surface. They would appear to have been imbedded in the boulder-clay, and not to have occurred in any well marked interglacial deposit. Part of a specimen of wood from a depth of 135 feet was so well preserved as to admit of its identification under the microscope as a *Taxus*. It is indistinguishable in structure from the wood of *Taxus baccata*. The supply of water met with in bed No. 7 rose to within 56 feet of the surface, in the hole, but was not copious.

III.—BORING AT GRENDEL STATION.

This station is 279 miles west of Winnipeg, on the line of the Canadian Pacific Railway, and lies between the Weed Hills on the south, and Qu'Appelle River on the north, at an elevation of 1,933 feet above sea-level. The boring is 200 feet in depth, and is evidently entirely in the drift deposits. It is not stated whether a sufficient supply of water was obtained. The section is as follows:—

	FEET.
1. Loam.....	2
2. Yellow clay.....	18
3. Blue clay.....	75
4. Gravel and sand.....	5
5. Blue clay.....	90
6. Gravel and sand.....	10
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TOTAL.....	200

IV.—BORING AT McLEAN STATION.

This boring is on the line of the Canadian Pacific Railway, McLean being the next station west of Qu'Appelle Station, and twenty-four miles east of Regina. The well was begun at the same level with the adjoining track, or 2,248 feet above the sea-level. It was carried to a depth of 495 feet and then abandoned. The section, as given by Mr. W. E. Swan, is as follows:—

	FEET.
1. Black loam.....	1
2. Yellow clay.....	25
3. Blue clay.....	65
4. Gravel and sand.....	12
5. Blue clay and sand.....	85
6. Gravel and sand.....	10
7. Blue clay and gravel.....	98
8. Sand and gravel.....	52
9. Boulders.....	6
10. Blue clay and gravel.....	96
11. Gravel and sand.....	35
12. Boulders.....	5
13. Clay and sand.....	5
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TOTAL.....	495