

Kanesville appear clinging to the sides of the valley in protected coves as high as the 240 foot contour in the vicinity of Comstock and westward. It is evident that these clays have been extensively eroded. In the stream valleys this removal may be attributed to the streams now flowing in them but in numerous cases along the sides of Wood creek valley the removal of the clays has been accomplished in a manner unaccounted for by stream action. These coves are repeated on the western shore of the southwest arm of Lake Champlain in the same series of deposits. The best explanation of them which I have arrived at attributes them to the sliding out of the clays in the manner of the landslips described by the late Dr G. M. Dawson<sup>1</sup> on the clay lands bordering the St Lawrence.

The occurrence of the coves on the western sides of valleys is in part explained by the sweeping away of clays by ice action along the eastern wall of the same valleys against which the ice sheet must have pressed with greater force. This admission of the greater age of the clays is in line with the eroded forms which the deposits assume from Kanesville southward to and below Fort Edward in the axis of the long trough before described.

*Northward extension of clays into Champlain valley.* The clays of the Wood creek valley, seen in Whitehall and about the northern base of Skene mountain are traceable into the Champlain valley proper. At Dresden Center the clays rise to 360 feet at least above sea level. Bodies of the clay occur in all the recesses of the narrow river valley or southern part of the lake as far north as Ticonderoga, where they are found as high as 400 feet above sea level.

No marine shells have so far been produced from these clays in this southern part of the Champlain valley or southward over the Fort Edward district. Numerous small and irregularly formed concretions are seen in the clays, and are sometimes reported by the inexpert as shells.

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<sup>1</sup>Geol. Soc. Am. Bul. 1899. 10:484-90. Remarkable Landslip in Portneuf County, Ontario.