

at Napanoch. The presence here of *Leptaeniscas adnascens* Hall & Clarke is indicative of the New Scotland age of these beds.

In passing northward from Ellenville the first outcrop favorable for the examination of the Cobleskill is on the land of Joseph Chipp $\frac{1}{4}$ mile north from Kerhonkson. The rock is shown in the base of an old quarry on the left of the highway leading to Accord. The locality is not favorable for collecting but the following fossils were obtained.

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| 1 Favosites helderbergiae var. praecedens Schuchert | 4 Spirifer corallinensis Grabau |
| 2 Atrypa reticularis Linné | 5 S. cf. vanuxemi Hall |
| 3 Orthothetes interstriatus Hall | 6 Whitfieldella nucleolata Hall |
| | 7 Leperditia jonesi Hall |

The Rondout is not well shown in this section. About 16 feet of Manlius limestone is exposed in the quarry of Lincoln McConnell on the opposite side of the highway. The combined thickness of the Rondout and Manlius at this place is 70 feet.

One of the most favorable localities for the examination of the Decker Ferry and Cobleskill formations is in the cut of the recently constructed Kingston branch of the Ontario & Western Railroad, $\frac{1}{2}$ mile southwest from Accord. The railroad passes in succession over the formations, from the shales underlying the Decker Ferry to the Coeymans limestone which is exposed near the station at Accord, but only the shales, the Decker Ferry and the Cobleskill are shown in the cut. The shales which are exposed in this cut are considered to be of Salina age and are exposed for a thickness of 18 feet. The beds are soft, argillaceous with bands of mineral matter and so far as known without fossils.

The Decker Ferry formation is 12 feet thick and in layers which are quite massive. The basal layer is arenaceous and gradually changes and becomes more calcareous above. The formation is fossiliferous throughout. The red crystalline limestone which forms such a conspicuous layer in the Nearpass section has not been observed here, and whether its absence is due to thinning out or failing through overlap of the succeeding deposits, in which case only the upper part of the Decker Ferry