The American Geologist.

August, 1892

taleo-chloritic schists, which show on the road to the north, leading to Curryville, and are flanked on the east by the grey sandstones of the millstone-grit. On the northwest side a large deposit of manganese was worked for some years, a tunnel being driven into the mountain along the contact with the underlying schists for nearly 1,000 feet, the ore, which consisted of pyrolusite and psilomelane, occurring at the base of the conglomerate in irregular pockets. Operations have been suspended for some years, and the workings have all fallen in."

Of the deposits of wad in New Brunswick the most important are those at Dawson Settlement, Albert Co., where many acres of ore are found, the beds varying in extent and depth, and attaining in some places a thickness of over forty feet, to which point they have been proved. The deposits are covered throughout with peat and peaty matter, having a thickness of about twelve to twenty inches, the ore beneath this being found to be practically free from impurities. The mode of working is very simple, consisting of cross trenching, by which means the deposits are drained, after this the ore is excavated and dried in pans, the result being a dry and almost impalpable powder.

A partial analysis of the ore by Mr. W. F. Best, of St. John, gave:

Manganese binoxide	47.0
Iron oxide	18.0
Vegetable matter	34.0
Loss	1.0
Copper	trace
Cobalt	trace

Several analyses by Mr. Jøhn Burwash gave the following percentages of manganese binoxide: 73.6, 35.5, 58.3, 57.6, 70.7, 63.4, and an average specimen collected at various points and sampled gave 47.4.

100.0

Nova Scotia.—As in New Brunswick extensive deposits of manganese are known to exist in Nova Scotia, where the ores and mode of occurrence are similar though differing in a great measure in the matter of production, that of this province being much smaller than that of New Brunswick. In Nova Scotia, however, there is a very large proportion of pyrolusite or high grade ore.

On the south shore of Minas Basin and midway between Noel

84