214. Milton Apple's mine.

"At this pit there are boulders of Potsdam sandstone and debris from which ore has been taken. A shaft, 20 feet deep, shows the same in the bottom."

This pit is slightly smaller than mine 215 and is separated from it by a wall of jasper and Hardyston. It is covered by trees and brush, but some yellow clay is exposed in one of the banks. Large boulders of jasper and Hardyston sandstone are here and some siliceous material and gneiss.

215. Kipping and Holsbach's mine.

"This pit was not being worked. Only yellow clay and drift could be seen, there being no ore in sight. At one point a drift has been run in, which is now fallen shut."

This mine is long, narrow, relatively deep, and the sides and bottom are covered by grass, trees, and brush. Some yellow clay is exposed. Large blocks of red and brown, dense, massive jasper and Hardyston sandstone are in place on the southwest side of the pit. Some of the blocks are 15 to 20 feet in diameter. There is some siliceous material, gneiss, and flint. The ore is both lump ore and closely associated with the jasper.


"At (217) can be seen surface drift, then white clay, next ore and finally white clay again to the top of the water in the bottom of the pit; the appearance of the ore is good. (216) was being worked for the Allentown Iron Co. The ore occurs in white and yellow clay. (218), which is not being worked, shows ore on the south side in white clay. (219) was not being worked."

"Lump and wash ore. Hard, tough, botryoidal, and a reddish brown. The ore carries considerable adhering clay."

Mine 216 is a small pit almost completely covered by trees and brush. Considerable dense and massive jasper and Hardyston sandstone are present, and a little ore which is closely associated with the jasper. Mines 217 and 218 are on the City of Allentown's reservoir property. These have been filled in, but the adjacent dumps contain considerable quartz (some including limonitic material), gneiss, and Hardyston sandstone. Yellow clay is exposed on the banks. Some of the Hardyston sandstone and jasper are in boulders several feet in diameter. The Hardyston is of the sandstone and conglomeratic types. The ore is both lump and mixed with jasper. Several shafts just above these pits are now almost completely filled in. Mine 219, just off the road running around the reservoir, is filled with water. Some yellow clay is exposed, and pieces of jasper, gneiss, and Hardyston sandstone in all sizes. Lump ore, some fragmental ore, and jasper containing abundant ore are to be found.

220, 221, 222. Whitman's mines.

"Leased by Emmaus Iron Co. (220) is being worked; the ore occurs in white and yellow clay, there being but little ore in sight when the mine was visited. (221) and (222) are numerous small openings not worked and the sides too much washed to see anything."

Mine 220 is a large pit much filled with water, and surrounded by dumps, all covered by trees and brush. It is just a short distance