from the middle and largest pit by a small clay bank. The two nearest the road and railroad are rather large and do not show much. The fourth pit is about 50 feet north of the other three, is long and narrow, and only a few feet deep. The sides of this mine are made up largely of yellow and white clay. Several large dumps northwest of the three larger pits are also largely composed of yellow and white clay. Quartz and flint occur in fairly large amounts on the dumps. Some limestone fragments and considerable sericitic material are present. The ore is lump and fragmental.

30. Daniel Levan's mine.

"This mine is in the same condition its mine No. 164 (32). Wash ore; arenaceous, cellular; cells carrying considerable clay."

This is a rather large pit filled with water almost to the top of the banks. The exposed sections of the bank show some quartz containing limonitic material, sericitic material, and lump and fragmental ore. Some limestone fragments may also be found here. At the southwest end of the mine hole there is a large dump almost completely covered by grass.

31. This large shallow pit adjacent to mine 30 and a large dump at the north end are covered by trees and brush. Some lump ore and quartz containing limonitic material are found here.

32. A. Balliet's mine.

"Not worked, and apparently abandoned. The sides so washed, it is impossible to see anything."

Three small pits make up this mine. Two are covered by trees and brush, and the other is only a small depression. Nothing is to be seen here.

33. Crane Iron Co.'s mine.

"This pit is not worked, and is apparently abandoned. A little white clay can be seen in the center close to the water in the bottom. The south end is said to still contain ore, but the sides are grass-grown, so that it is impossible to see anything."

"Near this the Crane Iron Co. have leased the ore-right on Thomas Bleiler's farm. It had not been opened when visited, but the trial-shafts sunk indicated a rich and considerable deposit of ore."

This is a large pit partly filled with water and the sides covered with trees and brush. A rock pile at one end of the pit contains considerable glacial material and a few lumps of ore. Quartz and limestone fragments and a little sericitic material are present. Yellow clay is exposed in one of the sides.

34. Daniel Gackenbach's mine.

"This is not worked, and is apparently abandoned. The sides were so much washed it was impossible to see anything of the nature of the deposit."

This is a large pit, grass-grown and bearing a few trees. Limestone, quartz with some limonitic material in it, lump and fragmental ore, and some sericitic material are present. Limestone is in place on the southern bank. Yellow clay is abundant.