rather large amounts. Fragmental and bombshell ore, limestone fragments, and quartz containing limonitic material are abundant. Limestone crops out on the north bank of the pit.

52. This is a very small and shallow pit containing some yellow clay, quartz, and a few fragments of ore and limestone.

53. Kramlich and Lichtenwallner’s mine.

"Leased by the Crane Iron Co. This mine, which is 50 feet deep, has not been worked since the Fall of 1873. A blue water-worn limestone occurs in the bottom of the excavation, whose stratification is apparently horizontal. There is evidently a large quantity of damourite-slate and white clay underlyings the ore, and in some places in it. Pieces of sharp, angular quartz are common in the clay on the slope of the mine."

"Limonite, hard and cellular; the pieces being generally of a slaty structure; the color of the ore is a dark brown and a cinnamon brown."

This pit is partly filled with water and its sides are covered by trees and brush. Limestone cropping out on the north and southwest sides has a slaty appearance and cleavage. Ore and quartz are rare.

54. Levi Lichtenwallner’s mine.

"Leased by the Crane Iron Co. At this mine there are several excavations. The most southerly one is full of water at the bottom, and is 26 feet deep to the water. There is a plane in this pit. The small one to the north of this is only 10 feet deep; only stripping having been taken from it. The largest excavation of all lies still more to the north; this is 40 feet deep, and is no longer worked. To the west of this is a small pit 15 feet deep. The mine has not been worked since the Fall of 1873. The ore occurs in white clay, and overlying damourite-slate. In some places the clay apparently overlies the ore, but clay or slate underlies it. It is said that the well, which has been sunk to a considerable distance, struck blue slaty limestone at a depth of 130 feet."

"Limonite, hard and sandy with considerable ochreous iron ore."

This mine has been completely filled in.

55. Jesse Laros’s mine.

"Leased by the Crane Iron Co. The ore, from the fragments on the side of the mine, must have been associated with damourite slate."

"Limonite, compact, arenaceous, and of a very dark color."

This pit is filled with water and the sides are grass-grown. A little yellow clay is present, considerable quartz, some of which contains limonitic material, some lump ore, and a few fragments of limestone.

56. Jesse Laros’s mine.

"Leased by the Crane Iron Co. The depth of the mine to water is 38 feet. On the west side of the mine there is a mixture of clay, quartz, and damourite-slate, all in very small pieces, for a depth of 17 feet from the surface. The ore where visible, at a few points, occurs in clay."

This pit, almost circular, is partly filled with water. High dumps surround most of the pit. Yellow clay, large quantities of quartz, some of which contains limonitic material, limestone fragments, and considerable fragmental ore are to be found here. From the size of the pit and the number of dumps it is evident that a large amount of ore was removed.