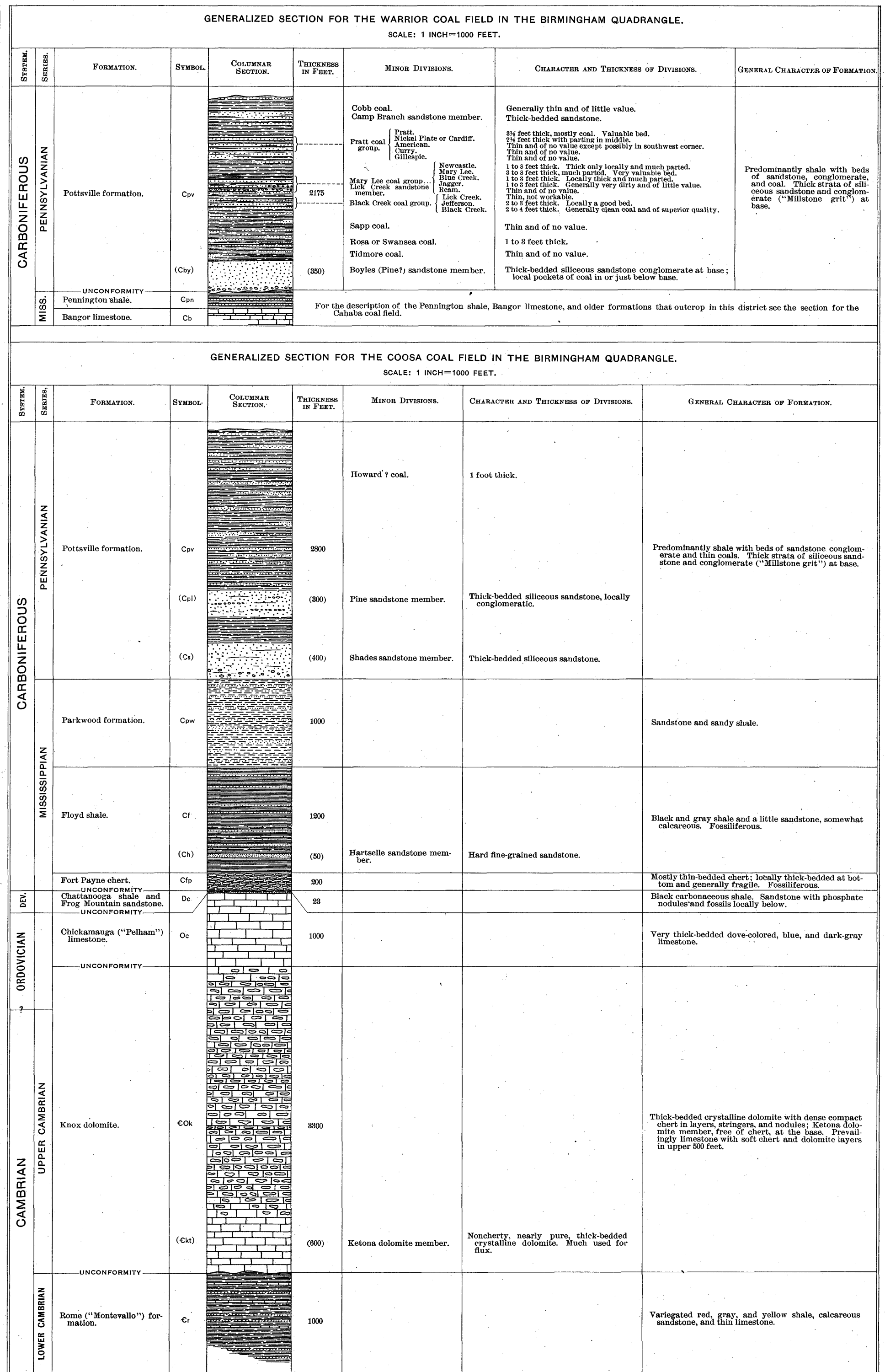
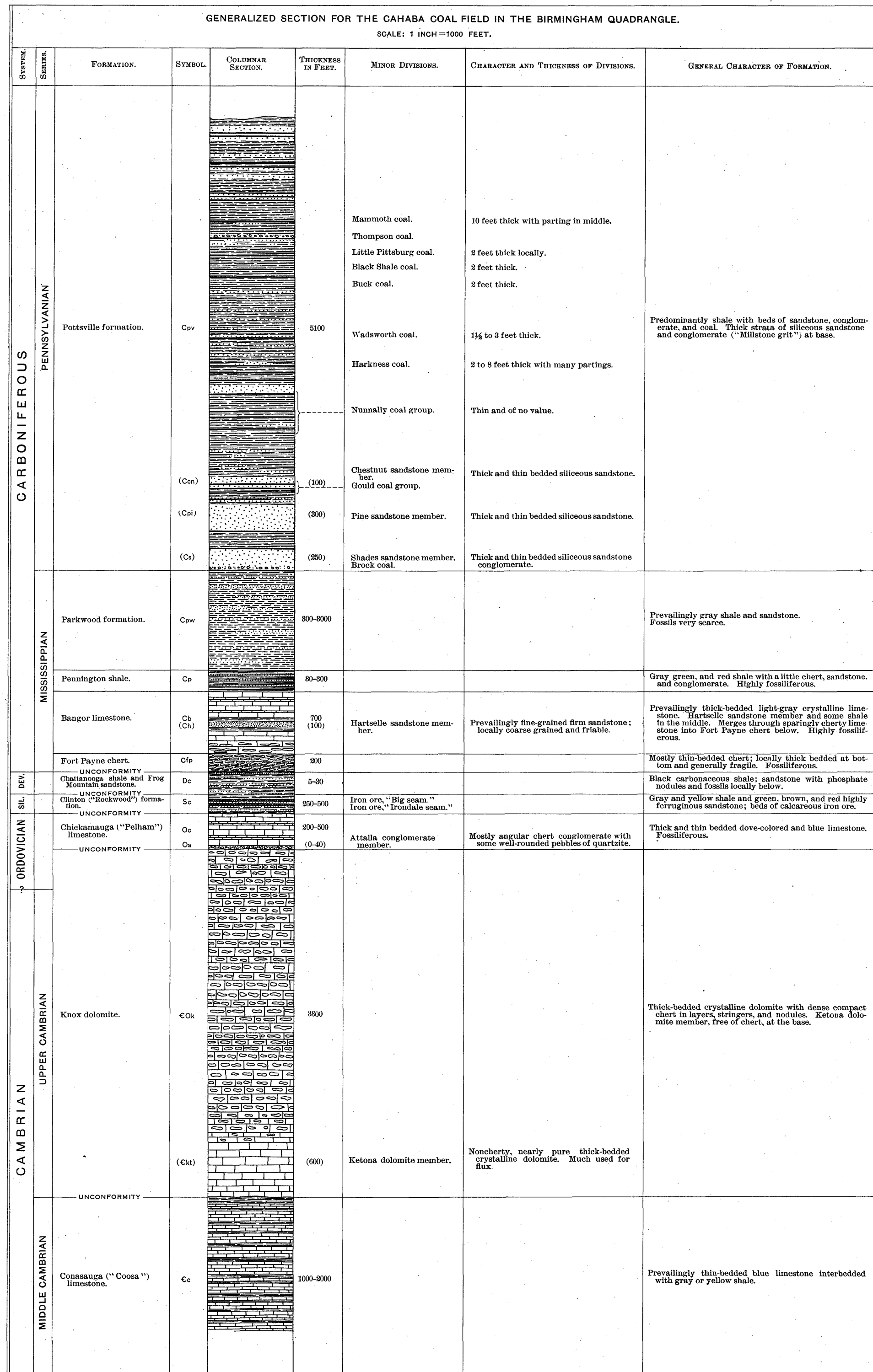


COLUMNAR SECTIONS



LIST OF MINES.

Location indicated on the map by numbers.

COAL MINES.

1. Red Star.
2. Fairchild.
3. Lehigh No. 1.
4. Lehigh No. 2.
5. Mabel.
6. Hogland.
7. Wolf Den Hollow.
8. Watt.
9. Seloca.
10. Kimberly No. 1.
11. Kimberly No. 2.
12. Bradford No. 1.
13. Dixiana.
14. Banner.
15. Nebo.
16. Jet.
17. Brazil.
18. Cardiff.
19. Pratt No. 16.
20. West Blossburg.
21. Blossburg No. 1.
22. West Pratt B.
23. West Pratt A.
24. East Blossburg.
25. West Pratt E.
26. Murray No. 4.
27. Mulga.
28. Durant.
29. Rilma.
30. Kosmo.
31. Newfound.
32. Goode.
33. Orono.
34. Dunn.
35. Clift.
36. Coalburg D.
37. Arcadia.
38. Warner.
39. Eldorado.
40. Coalburg E.
41. Thompson.
42. Pratt No. 7.
43. Pratt No. 2 and No. 10.
44. Sandusky.
45. Pratt No. 1.
46. Pratt No. 3.
47. Pratt No. 4.
48. Pratt No. 5.
49. Sayreton.
50. Graves.
51. Mary Lee.
52. Newcastle No. 4.
53. Newcastle No. 3.
54. Newcastle No. 2.
55. Henryellen No. 4.
56. Henryellen No. 6.
57. Ratliffe.

IRON MINES.

58. Compton.
59. Alfretta.
60. Bald Eagle.
61. Ruffner.
62. Irondale.
63. Hammond.
64. Helen Bess.



PLATE I.—SHALE WITH THIN LAYERS OF CHERT IN THE CONASAUGA LIMESTONE, EXPOSED ON TWENTY-FOURTH STREET, BESSEMER.
Looking south.



PLATE II.—KETONA DOLOMITE MEMBER OF THE KNOX DOLOMITE IN QUARRY AT NORTH BIRMINGHAM.
Quarried for flux. Looking south.



PLATE III.—CHARACTERISTIC HILLY TOPOGRAPHY OF THE KNOX DOLOMITE AREAS.
Crest of Red Mountain, composed of the Clinton formation, in the distance. Looking east from highway about 1 mile south of Pinson.



PLATE IV.—CONASAUGA LIMESTONE NEAR THE LOUISVILLE AND NASHVILLE RAILROAD 1 MILE SOUTH OF BOYLES GAP.
Looking northeast



PLATE V.—FERRUGINOUS SANDSTONE AND SHALE OF THE CLINTON FORMATION OVERLYING THE BIG SEAM OF IRON ORE AT SPAULDING.
Looking east.



PLATE VI.—RUFFNER No. 1 MINE, 1 MILE NORTH OF IRONDALE.
Big seam of iron ore above and Irondale seam 20 feet below. Looking north.



PLATE VII.—VIEW IN LOUISVILLE AND NASHVILLE RAILROAD CUT IN LONE PINE GAP, RED MOUNTAIN, AT BIRMINGHAM.
Looking east. Fort Payne chert (at right), Chattanooga shale (dark streak near middle), and probably Frog Mountain sandstone below, resting unconformably upon Clinton shale (at the extreme left).



PLATE VIII.—FOSSIL CLINTON IRON ORE FROM VICINITY OF BIRMINGHAM.



PLATE IX.—EVENLY BEDDED FORT PAYNE CHERT IN LOUISVILLE AND NASHVILLE RAILROAD CUT AT DALE GAP, NEAR VILLAGE SPRINGS.
Looking north.



PLATE X.—DIKE-LIKE OUTCROP OF VERTICAL HARTSELLE SANDSTONE MEMBER 1-2 MILES EAST OF NEWCASTLE.
Looking north. This feature extends north to Pinson and is called Rocky Row.



PLATE XI.—OOLITIC CLINTON IRON ORE FROM BIRMINGHAM.

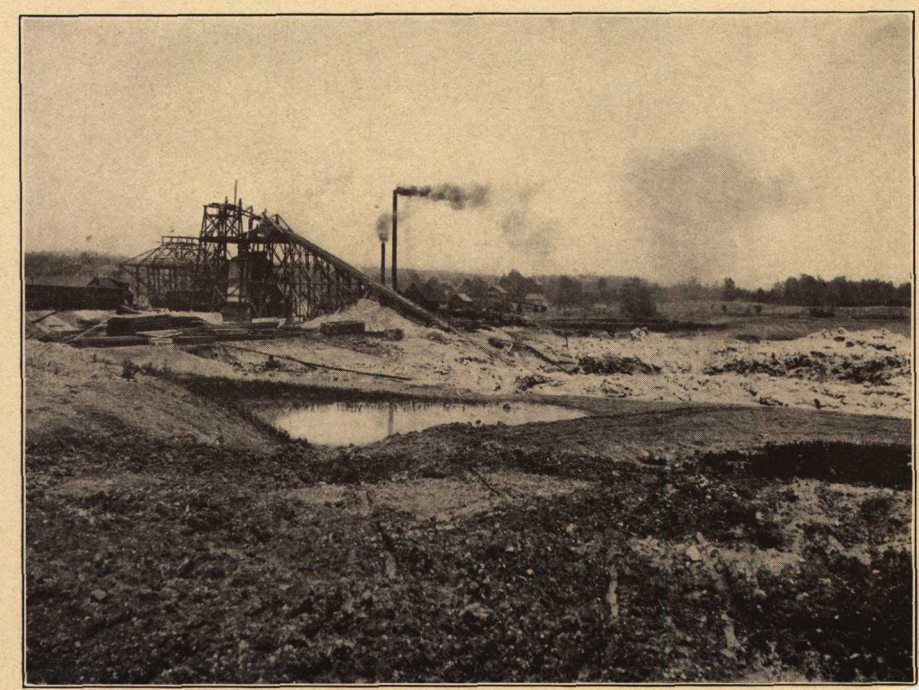


PLATE XII.—DOLOMITE QUARRY FOR FLUX, THOMAS.
Looking north.