### Columnar Section

#### Carboniferous

<table>
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<tr>
<th>Formation Name</th>
<th>Character of Rocks</th>
<th>Character of Topography and Soil</th>
</tr>
</thead>
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| Walden sandstone | Coarse sandstone and sandy shale with beds of coal and fire-clay | Broad, level plains intersected by narrow, rocky gorges. Gray, yellow, and red, sandy loam.
| Lookout sandstone | Conglomerate and massive sandstone. Sandy shale with beds of coal and fire-clay | Cliffs of pleasant aspect. No soil.
| Bangor limestone | Study limestone. | Steep slopes forming the lower part of the plateau aprons. Black and red clay soils. Narrow valleys.
| Oxmoor sandstone | Coarse, porous sandstone and sandy shale. | Low, sandy ridges.
| Fort Payne chert | Oolitic and sandy shale. Cherty limestone and heavy beds of chalk. | Sharp, narrow ridges, parallel to the sides of the rounded hills. Cherty and sandy soils.

#### Silurian

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| Conasauga shale | Black carbonaceous shale. | Level valleys. Sandy, blue clay soil where the rocks are sandy loam and clay where the beds are more clayey.
| Chattanooga black shale | Black cherty shale with thin beds of blue, clayey limestone. | Level valleys. Gray, yellow, and red, sandy loam.

#### Names of Formations

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**C. Willard Hayes, Geologist.**