

*(Lower left) (note: a perch, rod, pole or lug is a surveyor's measure equivalent to 16.5 feet)*

Draft of the Great Coal-Mine near Mauch Chunk exhibiting the various branches of the rail- road leading from it, and the situation of the workings on the 18th of July, 1827. I. A.Chapman.

Scale 6 perches or 99 feet to an inch.

*(List of measurements, lower middle)*

The different benches of the mine were measured along the direction of the dotted line FM and were found as follows viz:

Bench D at F is the upper surface of the coal when uncovered.

Bench CCC at G is 16 feet below F

Bench B at H is 15 feet below G. The mine then gradually descends to I

Bench A, or floor of the mine, is 18 feet below I. The descent is gradual from K to I

Bench marked N at M is 39 feet above L.

*(notes around the pit, clockwise from top left)*

A mound of loose earth and decomposed coal, which originally covered the mine, from which it has been removed.

Spoil Bank formed of the earth which covered the coal.

Fourth Entrance, No. 4 uncovering lines

Third entrance, No. 3 [bridge] uncovering lines

Second entrance, No. 2 uncovering lines

To this intersection all the road lines (except No. 1) descend and here the horses are attached to the waggons to haul them to the summit at slush hill whence they descend by gravity to Mauch Chunk.

First entrance No. 1 [bridge] [bridge] uncovering lines. This line descends to the first intersection at E. Uncovering lines [bridge]

Main line of railroad leading to Mauch Chunk

High bank containing a Stratum of sand-stone called the "North Fort"

On this side of the main opening the coal is covered in a similar manner to that on the East side, and extends to an unknown distance.

On this side of the mine opening the coal is covered with earth, varying in thickness from *(blank)* to *(blank)* feet. It's *(sic)* depth and extent are unknown.

On this side is a narrow Sandstone forming the boundary of the present opening, called the "South Fort"

From this line the ground gradually descends to the North + to the South

Spoil bank composed of loose earth, which formerly covered the mine, from which it has been removed

*(notes inside the pit)*

A This part of the mine forms the bottom or floor of the peresent *(sic)* workings.

B This bench is about 15 to twelve feet above the bottom floor marked A.

C This bench is about 16 feet above the bench marked B

D This bench is about 10 feet above the bench marked CCC

*(also marked) F, G, H, I, J, K, M, N, L. (illegible, some numbers and a calculation)*