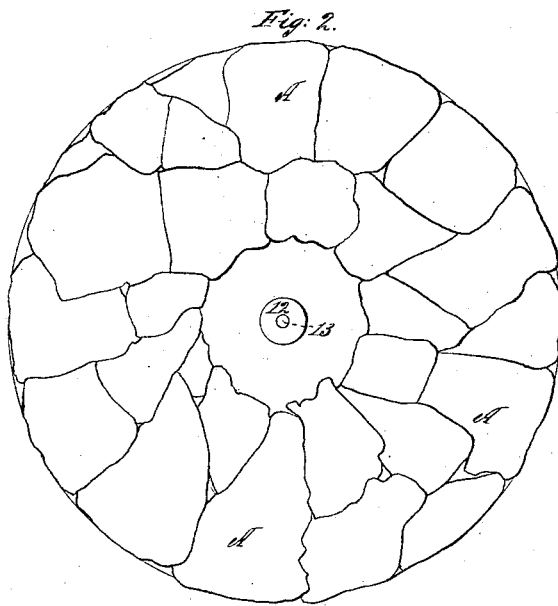
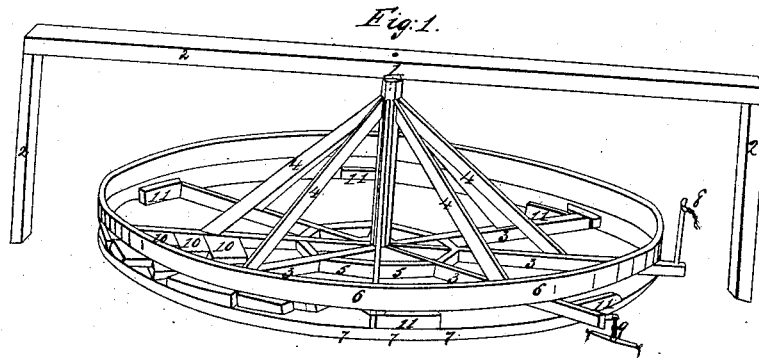


D. Bunnel,
Polishing Stone.

N^o 843.

Patented July 16, 1838.



UNITED STATES PATENT OFFICE.

DANIEL BUNNEL, OF XENIA, OHIO.

MACHINE FOR FACING STONE.

Specification of Letters Patent No. 843, dated July 16, 1838.

To all whom it may concern:

Be it known that I, DANIEL BUNNEL, of Xenia, in the county of Greene and State of Ohio, have invented a new and Improved
5 Mode of Facing Stone, called the "Stone-Facing Machine," and do hereby declare that the following is a full and exact description, to wit:

Figure 1 an upright shaft fifteen inches
10 diameter and 8 feet long more or less, figure 2 transverse beam and posts, figure 3 arms 3 inches by 6 sixteen feet long more or less inserted in the lower end of upright shaft 1 a short distance from the ground, figure 4
15 braces fastened to upright shaft 1 and extending outward and downward and fastened to arms 3 ten feet from the shaft 1, figure 5 short braces inserted between the arms 3 about 4 feet from upright shaft 1,
20 figure 6 a circular hoop fifteen inches broad more or less to prevent the horses from stepping on the platform of stone, figure 7 edges of the bed or platform of stone as placed ready for the operation of facing, figure 8
25 guide posts for bridles when propelled by horse power, figure 9 swingle trees for horses, figure 10 stones used for rubbers, figure 11 short braces inserted in the end of the arms to prevent the stones used for rub-
30 bers from slipping off the bed of stone, figure 12 the stone in which the gudgeon of upright shaft turns, figure 13 gudgeon of upright shaft, Fig. 2, open space around the lower end of upright shaft, letter A stones
35 placed ready for being faced by the operation of the machine.

The above described machine may be propelled by horse power, water, or steam, the one represented in the accompanying draw-

ing (to which a reference must be had) is 40 propelled by horse power. The manner of using said machine is as follows: A bed of stone is laid on the ground edge to edge around the lower end of upright shaft 1 covering the space over which the arms fig- 45 ure 3 extend in such a manner that they should pass just over it, large stones are then placed on the bed of stone, and when the machine is set in operation, the arms marked 3 in the drawing sweep the stones placed on 50 the top around on the bed of stone and with the requisite supply of sand and water will reduce the bed of stone beneath to a uniform face while the stones used for rubbers are themselves faced by the operation. 55

The manner of supplying the machine with water is this: 2 bands are placed on the braces marked 5 from which a slow stream issues as they pass around over the bed of stone and sand is thrown on with a shovel as 60 needed. Coarse sand is used at first. When a smoother face is required the sand used is sifted, and when a fine polish is required no sand is used, only water, and a smoother face is produced by the stones rubbing each other 65 without any intervening substance between them.

What I claim as my invention is—

The manner of constructing a facing wheel divided by arms and braces into sep- 70 arate compartments for holding and carrying the stones by which the facing is effected, substantially as herein set forth.

DANIEL BUNNEL.

Witnesses:

ALFRED TRADER,
JOHN WILSON.