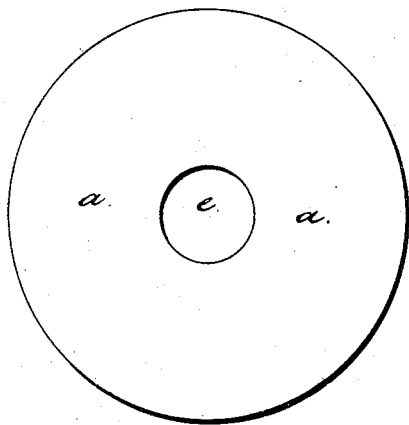
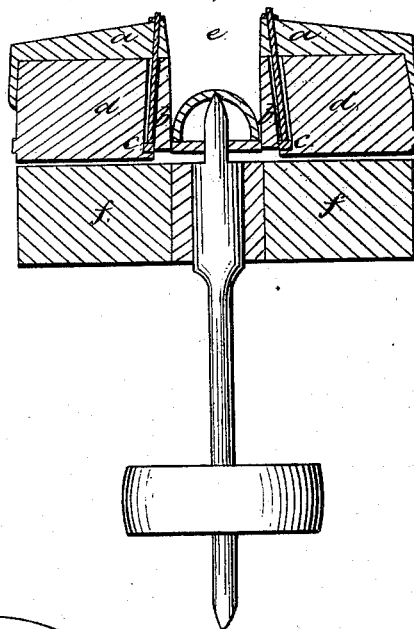


J. H. Burrows.

Mill Spindle.

N^o 2,581.

Patented Apr. 23, 1842.



UNITED STATES PATENT OFFICE.

JOSEPH H. BURROWS, OF CINCINNATI, OHIO.

MILLSTONE.

Specification of Letters Patent No. 2,581, dated April 23, 1842.

To all whom it may concern:

Be it known that I, JOSEPH H. BURROWS, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and
5 useful Improvement in the Construction of Upper Millstones, sometimes called "Runners;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the
10 same, reference being had to the annexed drawings, making a part of this specification, in which—

a, a, is a center cross section of the back with its flange or rim, and is made of cast
15 iron, or other metal, and of a size and thickness corresponding with the intended size and weight of the proposed millstone, the rim serving for the upper band or hoop of the stone *d, d*. An opening is made in the
20 center of the back *e, e*, corresponding with the eye or bush *b, b*, which is also made of cast iron or other metal and of larger external diameter at the bottom than at the top, thereby forming a circular dovetail.
25 Several, say three or four, small holes are made in the back near its circumference to receive weights, if necessary, to balance the stone. The eye is secured to the back by bolts *c, c*, or in other suitable manner, or
30 it may be cast in one piece with the back,

and firmly holds the stones, which are fitted to it, in their place. In the eye, suitable openings or gains are made, to receive the driver and balance rind. The stone is then
hooped, finished, and used in the usual man- 35 ner.

I do not claim as invented by me, the loading of a millstone with metal or other substance, or the use of a metallic eye or bush for the same; but— 40

What I do claim as my invention, and desire to secure by Letters Patent, is—

The manner of constructing the metallic plate or back in one solid piece, with its flange or rim, which rim forms the upper
45 band or hoop of the stone; and also the manner of constructing the eye or bush so as to be of larger external diameter at its bottom than at its top, thereby forming a circular dovetail to secure the stone in its
50 place, in combination with the manner of securing the eye to the back by bolts or otherwise so as to form a firm and substantial stone; the whole being put together and
55 combined in the manner substantially set forth.

JOSEPH H. BURROWS.

Witnesses:

A. R. CHASE,
SAM W. DAVIES.