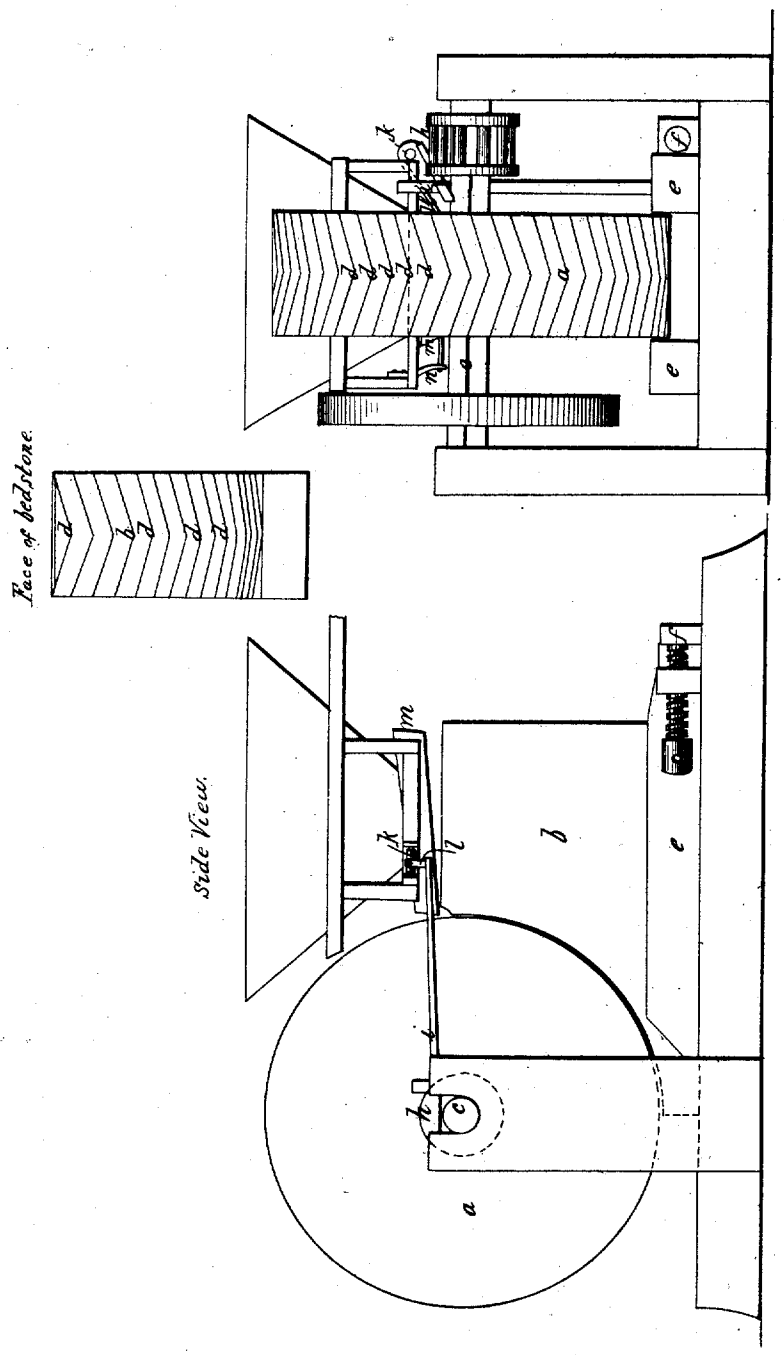
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6887X

D. STEM.

Dressing Millstones.

Patented Jan. 5, 1832.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

6887x Jan. 5. 1832 465

David Stone of Vanderburgh County Indiana

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the same containing a description of the said David Stone himself of his improvement in the Mill Stone.

To all to whom these presents shall come. Be it known that I David Stone of the County of Vanderburgh and State of Indiana have invented a new and useful improvement in the mill stone for grinding grain and the following is a full and exact description of the construction and operation of the said improvement as invented or improved by me. The runner stone is round and hangs on a spindle which is horizontal as a grindstone with the face on the edge of the circumference as the grind stone. The permanent bed stone is cut with an inverted circle to extend one third of the distance round the runner stone when not larger than 20 inches in diameter. 20 inches will finish work although it may be enlarged when you have power to put it in operation. The bed stone is set in a perpendicular position filling the lower part of the inverted circle close to the lower centre of the runner stone and letting it extend as far upwards as the eye will take it. Each stone is cut with furrows and lands. one contrary to the other so as to cross shearing. The lands & furrows must be small and narrow. The runner stone must be furrowed with a draft from the centre of the face to each edge. beginning at each edge and pointing towards the bed stone until both furrows meet calculating 1¼ inch draft in a stone a foot wide on the face. which is a proper width for a stone 20 inches in diameter. The bed stone must be furrowed with the draft contrary to the runner. the upper part of the bed stone must be dressed open to let grain gradually and close towards the bottom for flouring. the bed stone should be an oblong square excepting the face. it must be confined between two timbers permanent yet so that it can be moved backwards and forwards as much as to grind coarse or fine. which is done by a lever with a screw in the lower end to keep it to its place. there may be a fly wheel attached to the spindle that runs the stone. Likewise a pulley on the spindle and run by any common gearing. The spindle must be left square some distance outside of the stone. there must be a small slot at each 4 or 5 inches from the spindle in which

6887x

Jan 5, 1832

Thru is a mortice with a cattle staff fixed in on a joint with one end extending over the square of the spindle which [illegible] and the other end extending to the side of the hopper drawing a strap over a pulley which strap extends thro the shoe to the other side of the hopper fastened to a spring. The shoe must be wide at the mouth to receive the grain clear across the whole width of the stone. There must be a small edge made round the mouth of the stone for the grain to drop in out of the shoe to keep it from scattering. The spindle must only have two journals and that must be on each end. The stone, wallower and fly if one be attached must all be between the journals.

Coyd. Have a spring on the cradle
Hyl. and bearing and draught
of the furrows



Witnesses
A Fairchild
O. Riggs.

David Stem

630 lbs.