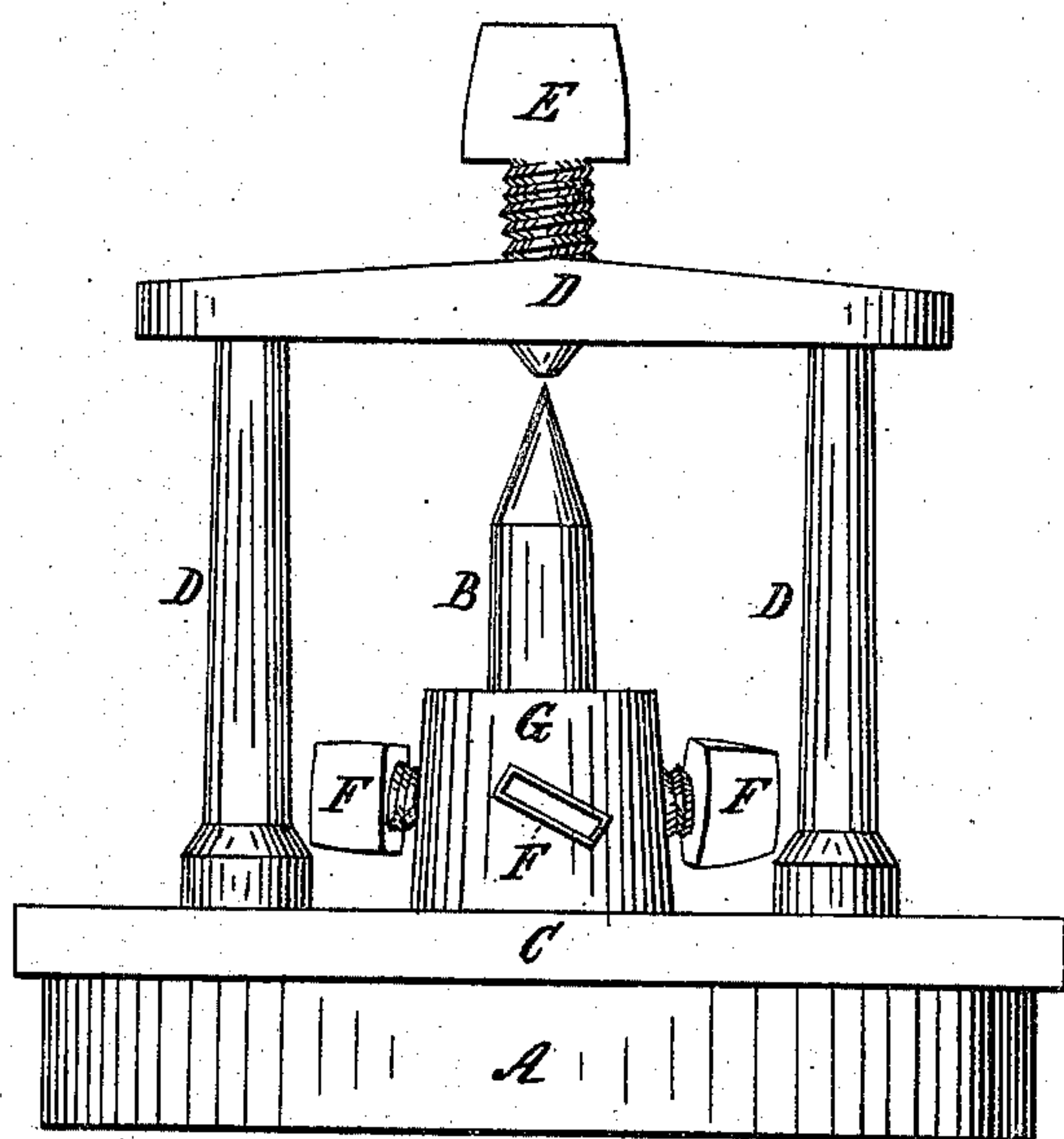


A. HEARTSILL.  
Dressing Millstones.

No. 87,669.

Patented March 9, 1869.



Witnesses:

Cornelius Cox  
Leopold Evertz

Inventor:

Aram Heartsill  
per  
Abraham Mason  
Atty

# UNITED STATES PATENT OFFICE.

ABRAM HEARTSILL, OF LOUISVILLE, TENNESSEE.

## IMPROVED BLACKING-STAFF FOR FACING MILLSTONES.

Specification forming part of Letters Patent No. 87,669, dated March 9, 1869.

*To all whom it may concern:*

Be it known that I, ABRAM HEARTSILL, of Louisville, in the county of Blount, and in the State of Tennessee, have invented certain new and useful Improvements in Blacking-Staffs for Facing Millstones; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a blacking-staff for facing millstones, which is to be used preparatory to dressing them.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which forms a part of this specification, and which represents a side elevation of my invention.

A represents the bed or stationary stone with the spindle B belonging thereto. C is the blacking-staff, which is attached to a frame, D.

The thumb-screw E in the center of the top of the frame D rests on the top of the spindle B, and regulates the blacking-staff, so as to let the staff touch only the highest points on the stone, which is to be repeated until the surface is perfectly regular. The three thumb-screws F F in the nave G, through which the

spindle B passes, are to regulate the staff in line with the face of the stone.

The runner or top stone is to have a block fitted into the eye, in which block is erected a spindle, (corresponding to the spindle in the bed-stone,) upon which a staff exactly similar to the staff C is to be used in the same manner, and the surface of the staff for the runner is to be fitted perfectly to the surface of the staff on the bed-stone, thus securing a perfect uniformity of the stones all around when in motion.

It does not matter whether the staffs are perfectly true or otherwise, only so they are matched one to the other. The staffs being exactly alike, I have not deemed it necessary to represent one for the runner-stone.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the staff C, frame D, thumb-screw E, nave G, and thumb-screws F F, all constructed and arranged substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 14th day of January, 1869.

ABRAM HEARTSILL. [L. S.]

Witnesses:

J. C. M. BOGLE,  
W. A. WALKER.