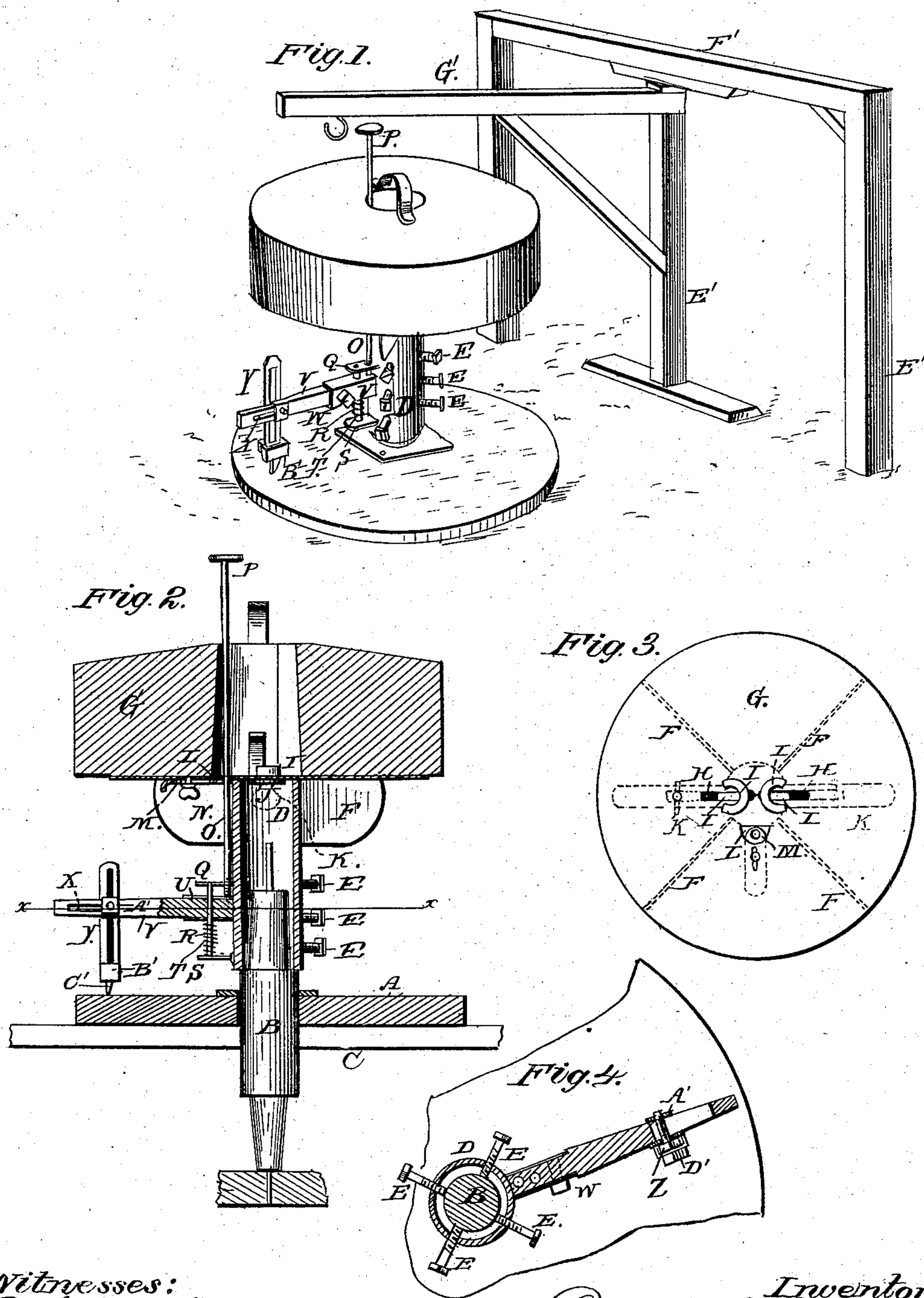


D. E. BAUGHEY.
Machine for Leveling Millstones and Tramming
Spindles.

No. 224,812.

Patented Feb. 24, 1880.



Witnesses:
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UNITED STATES PATENT OFFICE.

DAVID E. BAUGHEY, OF ST. THOMAS, PENNSYLVANIA.

MACHINE FOR LEVELING MILLSTONES AND TRAMMING SPINDLES.

SPECIFICATION forming part of Letters Patent No. 224,812, dated February 24, 1880.

Application filed December 8, 1879.

To all whom it may concern:

Be it known that I, DAVID E. BAUGHEY, of St. Thomas, in the county of Franklin and State of Pennsylvania, have invented certain new and useful Improvements in Machines for Leveling Millstones and Tramming Spindles; and I do hereby declare that the following is a full, clear, and exact description of the invention; which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of my invention in position for use. Fig. 2 is a vertical sectional view. Fig. 3 is a top view. Fig. 4 is a horizontal cross-section on the line *x x*, Fig. 2.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to an improved machine for leveling millstones and tramming the same; and it consists in certain improvements in the construction of the parts, which will be hereinafter more fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents the bed-stone, and B the spindle, which is journaled in the usual manner in the bridge-tree C.

D represents a cylindrical tube, provided on four sides with set-screws E, by which the said tube or cylinder may be adjusted and firmly secured upon the upper end of the mill-spindle.

The tube D is provided at its upper end with radial flanges F F, supporting a disk or plate, G, of sufficient size and strength to support the runner-stone while the bed-stone is being leveled and the spindle trammed.

The plate G is provided with slots H H, extending from near the center in diametrically-opposite directions.

I I are clamps sliding in the said slots, and provided upon the under side of plate G with plates J J, sliding in suitable grooves or guides, and having set-screws K K, by which the said plates and clamps may be secured in any desired position.

The plate G is provided with an opening, L,

below which slides a plate, M, adjustable by a set-screw, N, and forming an adjustable bearing for a vertical rod, O, having at its upper end a handle, P, and provided at its lower end with a screw-thread, so as to be vertically adjustable in an arm or bracket, Q, projecting laterally from the tube or cylinder D. Below the bracket Q, and connected to the latter by a vertical rod, R, is another bracket, S.

Upon the rod R is adjusted a spring, T, which serves to press a socket, U, sliding upon said rod, in an upward direction against the lower end of the adjustable rod O, by which the said socket may thus be adjusted vertically to any desired position.

The socket U is provided with a horizontal arm, V, adjustable by a set-screw, W, and provided at its outer end with a slot, X, in which a slotted arm, Y, is horizontally and vertically adjustable by a thumb-screw and nut, Z A'.

The arm Y has at its lower end a holder, B', in which the pointed whalebone C', which serves as a tramming and leveling tool, is adjustable by a set-screw, D'.

E' E' F' represent the supports for a swinging crane, G, by which the runner-stone may be lifted upon or off the machine.

The operation of my invention will be readily understood by those skilled in the art to which it appertains. It is simple, efficient, inexpensive, and easily operated; and it will be observed that while the machine is in use, owing to the arrangement of the plate G, the weight of the runner-stone is supported entirely upon the bridge-tree, as when the mill is running, thereby preventing any damage to the floor, where the stone is usually deposited, and also any deviation from the level and tram when the stone is replaced for operation.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of the tube D, having set-screws E, brackets Q S, and rod R, having spring T, with the socket U, having arm V and staff Y, and the threaded rod O, working in bracket Q, all combined and operating substantially as and for the purpose herein set forth.

2. In a device for leveling millstones con-

structed substantially as described, the combination of the tube D, adapted to be adjusted upon the spindle, with the disk or plate G, secured at the upper end of said tube, to support
5 the runner-stone during the operation of the machine, as set forth.

In testimony that I claim the foregoing as my

own I have hereto affixed my signature in presence of two witnesses.

DAVID E. BAUGHEY.

Witnesses:

HIRAM BYERS,
EDWIN C. PATTON.