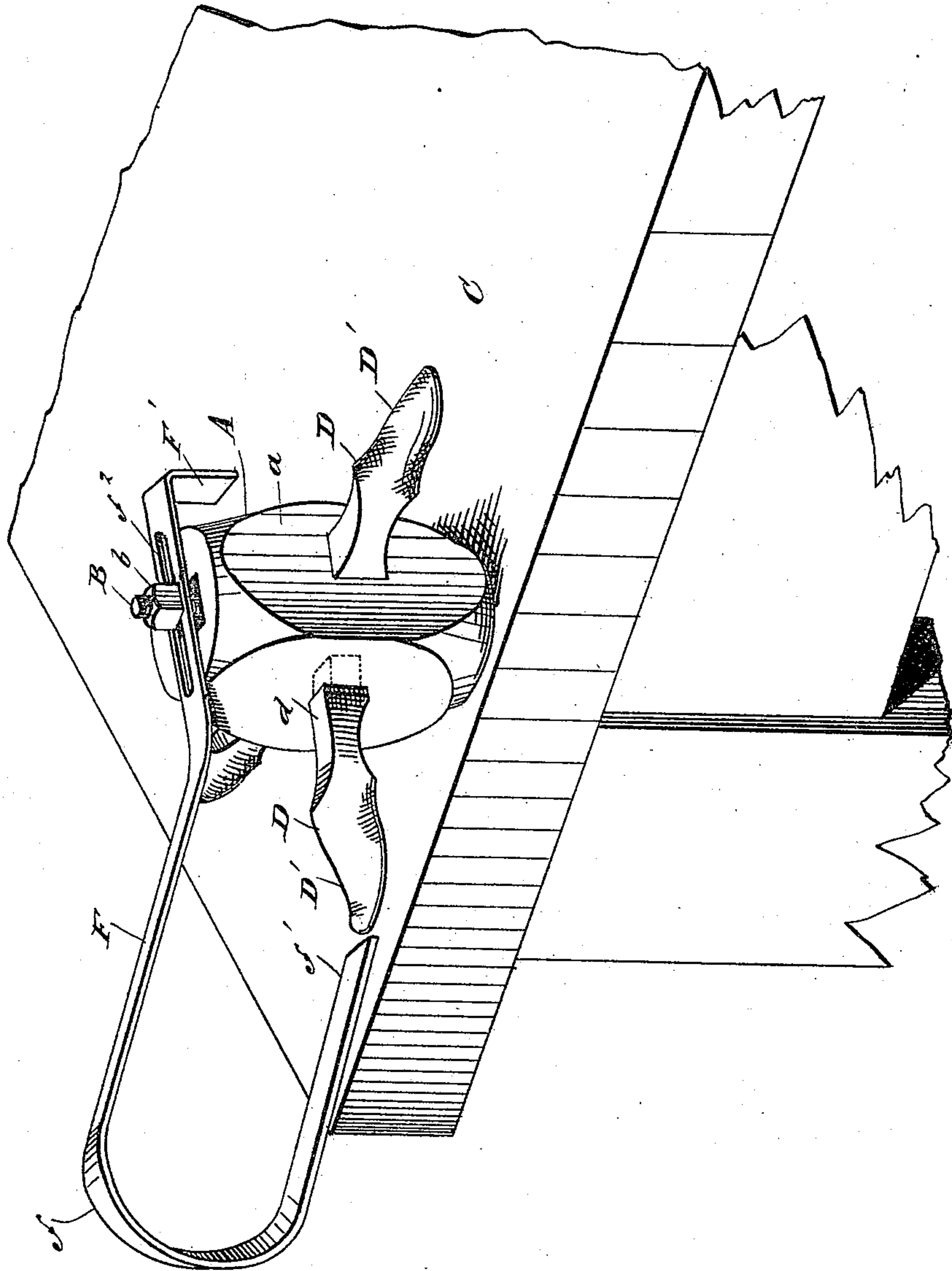


(No Model.)

J. H. EDGERLY.
SHOE TURNING MACHINE.

No. 442,770.

Patented Dec. 16. 1890.



WITNESSES:

Chas. Viola
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INVENTOR:

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UNITED STATES PATENT OFFICE.

JASON H. EDGERLY, OF CHICAGO, ILLINOIS, ASSIGNOR OF TWO-THIRDS
TO E. HARING DICKINSON AND THOMAS B. ELDRIDGE, BOTH OF SAME
PLACE.

SHOE-TURNING MACHINE.

SPECIFICATION forming part of Letters Patent No. 442,770, dated December 16, 1890.

Application filed September 13, 1890. Serial No. 364,922. (No model.)

To all whom it may concern:

Be it known that I, JASON H. EDGERLY, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Shoe-Turning Machine, of which the following is a full, clear, and exact description.

My invention relates to improvements in machines for turning shoes. It is well known that turned shoes are sewed wrong-side out, and after the sewing is completed they are turned right-side out. This operation is usually done by hand, and is very difficult to do, and, moreover, it is liable to seriously strain the shoe.

The object of my invention is to provide a machine by means of which this difficulty may be obviated, so that by use of the machine the shoes may be quickly and easily turned without injury.

To this end my invention consists in certain features of construction and combinations of parts, which will be hereinafter fully described, and then pointed out in the claims.

Reference is to be had to the accompanying drawing, forming a part of this specification, in which the figure is a perspective view of the machine embodying my invention, showing the same mounted upon a bench ready for use.

A hub A, which is flattened at the ends, and is preferably provided with flattened sides *a*, is pivoted upon a rod B, which is threaded at its upper end, and which at its lower end is fastened to a suitable bench C. The hub A is provided with radially-extending forms D, the outer ends D' of the forms being shaped substantially like a shoe-last, and the inner ends or shanks *d* of the forms being removably inserted in horizontal recesses of the hub, as indicated by dotted lines in the figure. An arm F extends outwardly from the top of the hub, the arm being bent slightly upward and doubled upon itself at the point *f*, so that the lower end *f'* of the arm will come opposite the toe of one of the forms D. The inner end F' of the arm is bent downwardly at an angle, so as to fit, if necessary, the side of the hub A. The arm F is also provided near its inner end with a longitudinal slot *f*², which fits upon the rod B,

and which permits of the necessary adjustment of the arm. The arm is held in place by a nut *b*, which fits upon the upper end of the rod B, and by tightening the nut the arm may be held rigidly to the hub, and the hub, which is normally pivoted upon the rod, may likewise be held in a rigid position.

The machine is operated as follows: The shoes to be turned are placed upon the forms D, and the hub is turned so that the toe of one of the forms and the shoe thereon will come opposite the lower end *f'* of the arm F, and the arm may be adjusted so that it will fit against the toe. The shoe-upper is then grasped and pulled outwardly toward the arm, and the shoe will be turned from the form and will rest right-side out upon the lower member of the arm F, and from the foregoing description it is obvious that the forms may be readily changed to fit the varying sizes of the shoe.

It is not necessary that the hub A or the arm F should be of the exact shape shown, the essential features of the machine being to have the forms extend radially from the hub and to have the arm arranged to come opposite the toe of the forms.

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

1. A shoe-turning machine comprising a hub adapted to be pivoted on a support and provided with radially-extending forms, and a curved arm extending from the upper portion of the hub and having its lower end adapted to be arranged opposite a toe of a form, substantially as described.

2. The combination, with a pivoted hub having a radially-extending form, of an arm adjustably secured to the hub and having its free end arranged opposite the toe of the form, substantially as described.

3. The combination, with a pivoted hub having radially-extending and removable forms, of an arm adjustably secured to the top of the hub and having its free end bent downwardly and inwardly toward and opposite the toe of one of the forms, substantially as described.

4. The combination, with the hub having

radially-extending arms, as shown, of a threaded rod extending vertically through the hub, a bent arm mounted on the upper portion of the rod, said arm having its free end adapted
5 to be arranged opposite the toe of a form and having its inner end slotted, as shown, to fit the threaded rod, and a nut mounted on the

rod so as to bind the arm upon the hub, substantially as described.

JASON H. EDGERLY.

Witnesses:

THOMAS B. ELDRIDGE,
E. HARING DICKINSON.