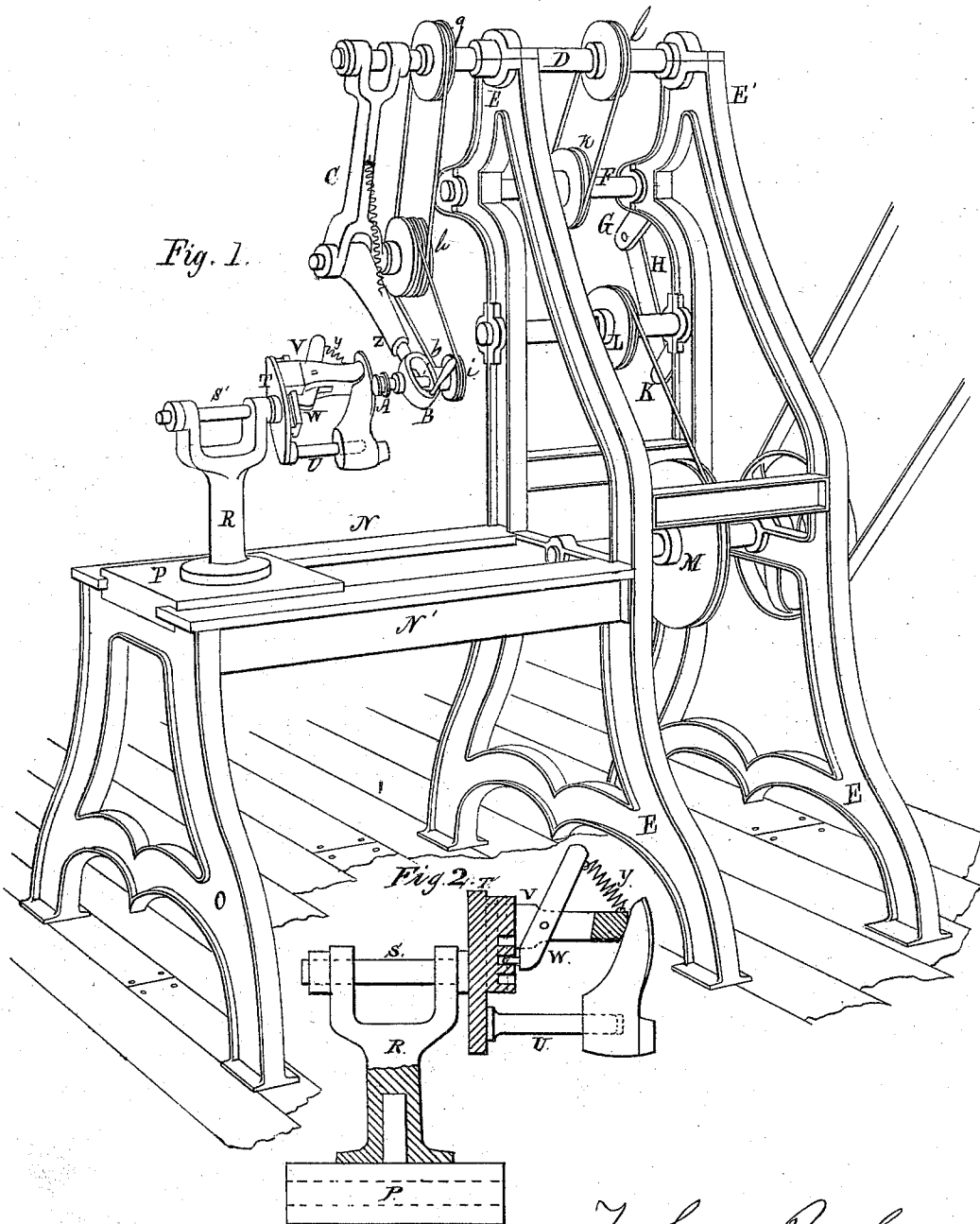


J. BEASLEY & J. BEASLEY, Jr.

Machinery for Burnishing the Sole-Edges of Boots
and Shoes.

No. 141,983.

Patented August 19, 1873.



WITNESSES.

Edward P. Nettleton
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INVENTORS.

UNITED STATES PATENT OFFICE.

JOSHUA BEASLEY AND JOSHUA BEASLEY, JR., OF LYNN, MASS., ASSIGNOR
OF ONE-HALF THEIR RIGHT TO GEO. W. KEENE, OF SAME PLACE.

IMPROVEMENT IN MACHINERY FOR BURNISHING THE SOLE-EDGES OF BOOTS AND SHOES.

Specification forming part of Letters Patent No. **141,983**, dated August 19, 1873; application filed
January 23, 1873.

CASE A.

To all whom it may concern:

Be it known that we, JOSHUA BEASLEY and JOSHUA BEASLEY, Jr., of Lynn, county of Essex and State of Massachusetts, have invented certain Improvements in Machines for Burnishing the Edges of Boot and Shoe Soles, of which the following is a specification:

The invention relates to machines for burnishing the sole-edges of boots and shoes; and consists of certain improvements in the "jack" or support for holding the boot or shoe during the operation of burnishing or "setting" the edges, as will be hereafter explained.

A is the setting-tool, mounted on the handle or arm B, one end of which is pivoted to the pendent arm C of the shaft D, which latter has its bearings in the frame E E. Motion is imparted to the setting-tool by means of the pulleys *g h i*, which are driven by the shaft D. The latter is in turn revolved by means of the shaft F, pulleys *l k*, crank G, bar H, crank K, and pulleys L M, all as clearly shown in the different figures of the drawing. The jack or support for holding the boot or shoe may be mounted on an independent frame, or, as shown in the drawings at Fig. 1, may rest upon a side frame connected with the main frame E E', where two slides, N N', similar to a lathe-bench, are placed in a horizontal position, the inner ends of which are attached to the upright side of the frame E, and the other ends are supported by legs or a frame, as at O. Upon said slides a base, P, is arranged to slide to and fro longitudinally, similar to a lathe-rest; and upon said base a pedestal, R, is mounted so as to turn freely upon its axis, and at the upper end a horizontal axis, S', is mounted in suitable bearings to support the head of the jack, as at T. Upon this head as a face-plate the devices for holding the boot or shoe are arranged, and are shown in detail in Fig. 2. The face-plate T is of oval shape, and at or near one end of its greatest axis a stud or pin, U, is firmly fastened, upon the outer end of which the ankle portion of the

last is held by having a hole in it, so that it can be slipped upon the stud, as is commonly done in all jacks; but, in order to bind the shoe-last upon the stud, a toe-stud, as at V, the outer end of which is made to conform somewhat to the upper of the boot or shoe, is provided to slide back and forth upon V edges or guides, so that when the last is placed upon the stud U the toe will be pressed outward from the face-plate, and the last will be held firmly upon the stud U with the toe-stud V. Said toe-stud V is held from sliding back by a pawl, W, which engages in holes or teeth in the face-plate of the jack, (best seen in section, Fig. 2,) and said pawl is held in working position by a spring, as shown at *y*, Fig. 1.

The operation will now be easily understood to be that, when the boot or shoe is placed upon the jack, as represented at Fig. 1, the operator grasps any convenient portion of the jack with his left hand and slides it with the base toward and underneath the burnishing-tool A, and with the right upon the handle, as at B, Fig. 1, he guides the tool upon the edge of the sole in any and every position desired, said handle or arm B being formed of the two parts, a socket or sleeve and mandrel or axis, as at Z, by which it may rotate on its axis, as the work requires, and while the tool itself is rapidly reciprocating, being driven by power applied by the belts or some similar mechanical equivalent, leaving the operator free to control the tool and produce the required pressure.

We therefore claim—

The combination, in a jack or holder for a boot or shoe edging machine, of the stud U, binding-slide V, and pawl W, mounted on a pivoted rest, all constructed and capable of being operated as described, and for the purposes set forth.

JOSHUA BEASLEY.
JOSHUA BEASLEY, Jr.

Witnesses:

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