

T. M. ORR & A. R. SEARS.
Jack Centers for Edge Trimming and Burnishing
Machines.

No. 144,560.

Patented Nov. 11, 1873.

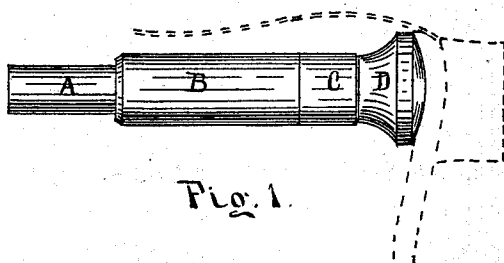


Fig. 1.

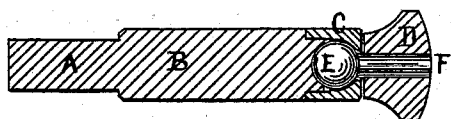


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS M. ORR AND ANDREW R. SEARS, OF NORTH BRIDGEWATER, ASSIGNORS OF ONE-HALF THEIR RIGHT TO CHARLES A. PRATT, OF CLINTON, MASSACHUSETTS.

IMPROVEMENT IN JACK-CENTERS FOR EDGE TRIMMING AND BURNISHING MACHINES.

Specification forming part of Letters Patent No. **144,560**, dated November 11, 1873; application filed July 31, 1873.

To all whom it may concern:

Be it known that we, THOMAS M. ORR and ANDREW R. SEARS, of North Bridgewater, in the county of Plymouth and State of Massachusetts, have invented a certain new and useful Improvement in Jack-Centers for Edge Trimming and Burnishing Machine, of which the following is a specification:

Our invention relates to the center or supporting heads that are used in edge trimming and burnishing machines, for pressing, inside of the shoe, against the inner sole at the heel, and thus holding the shoe firmly against the outside-supporting center; and consists in uniting this inside-supporting center to its mandrel by a universal joint; the object being to form a self-adjusting center for supporting the inner part of the shoe while being operated upon.

Figure 1 is an elevation of our device. Fig. 2 is a vertical section through the same.

Let A B represent the mandrel, upon which the inside-supporting center D is attached. This center bears against the inner sole at the

heel, and assists in holding the shoe while the trimmer or burnisher is operating. This center D is firmly attached to the shank F, Fig. 2, of the ball E. This ball rests on a concavity made in the end of the mandrel A B, and is held by the thimble C. The thimble C does not make a close joint with D, but allows a certain limited motion for the head D, so that when the shoe is placed upon the jack, and the outside center brought to bear against the heel, the support or center D can adjust itself to the best position for firmly holding the shoe.

We claim as our invention—

In a machine for burnishing and trimming heels, the center D, in combination with the ball-and-socket joint E C and the mandrel A B, constructed substantially as described, and for the purpose set forth.

THOMAS M. ORR.
ANDREW R. SEARS.

Witnesses:

FRANK G. PARKER,
JOHN J. HALEY.