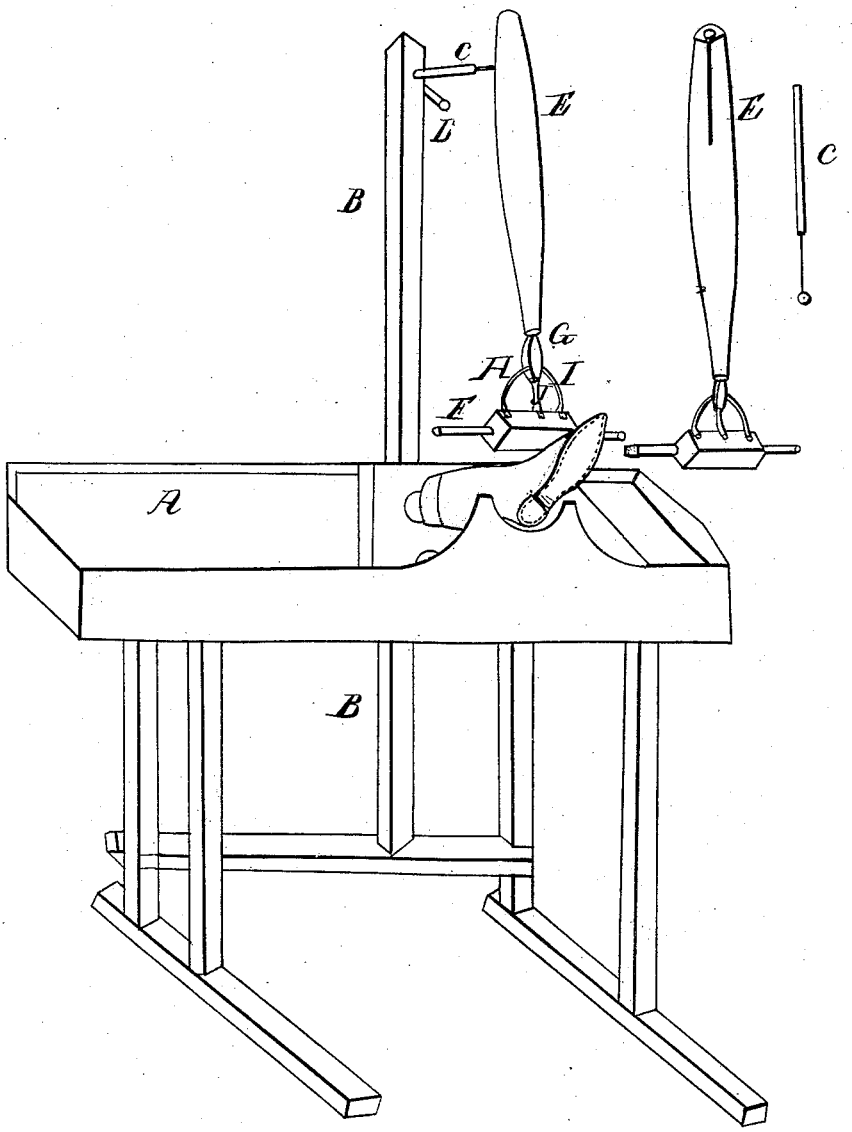
E. Hall, Jr.,

Boot and Shoe Tree.

No. 2,110. Patented May 29, 1841.



UNITED STATES PATENT OFFICE.

ELIAS HALL, JR., OF SPENCER, MASSACHUSETTS.

MACHINE FOR TREEING BOOTS.

Specification of Letters Patent No. 2,110, dated May 29, 1841.

To all whom it may concern:

Be it known that I, ELIAS HALL, JR., of Spencer, in the county of Worcester and Commonwealth of Massachusetts, have invented a new and Improved Mode of Treeing Boots; and I do hereby declare that the following is an accurate description of the invention.

The nature of my invention is to save a large part of the time, strength and labor before required in the work.

Description of my machine for treeing boots.—A, is a bench or table of convenient size and height set on four legs the lower ends of which are fixed into cross pieces resting on the floor and projecting in front of the bench for the purpose of steadying the frame. B is an upright shaft of wood or metal six feet seven inches long fixed at the lower end into a brace, which brace is fitted to the back legs of the bench and can be raised or lowered as the height of the standard B may require. Near the top of this standard B, is inserted the iron cross piece or arm C about eighteen inches long having a neck and bulb. The arm C is fastened to the standard B by the iron screw D, and projects horizontally toward the front of the bench where the workman stands. To this arm C is affixed the sweep E which is about three feet long made of wood or metal according to the weight required. In the upper end of the sweep E is a mortise or groove opening into a cylindrical cavity in the sweep into which is inserted the bulb on the end of the arm C forming a kind of socket joint allowing the sweep E to play laterally freely in all directions and perpendicular up and down to any required extent leaving the weight of the sweep E on the rub stick F. On the lower end of the sweep E is an iron swivel joint G by means of which the rubstick is turned around horizontally. About five inches below this is the vibrating joint H, to which is connected the semicircle I of iron or other metal and the center piece J of the same material. The semicircle I and the centerpiece J connect the sweep E with the rub stick F and allow the rub stick to be applied diagonally as well as horizontally to the boot. The rub stick is made of hard wood or other suitable material and is of the usual form with projecting handles by which the workman applies it to the boot. The boot is placed on the bench as represented in the drawings. The hub stick being at the lower end of the sweep E while the upper end is so fastened to the arm C as before described as to give sufficient weight upon the boot without requiring the workman to bear on his own weight and at the same time enables him to apply the rub stick to the boot in all directions with a free precision and effect before unattainable giving to the boot a superior gloss and finish and with a great saving of time.

What I claim as my invention and desire to secure by Letters Patent is—

The combination of the rubstick F with the sweep E in the manner set forth, said sweep having a swivel joint at G and a hinge joint at H to allow the rub stick adapting itself to the inequalities of the boot also the method of combining the sweep and rub stick with the standard B by means of the rod C having a ball on its end adapted to a groove or slot on the upper end of the sweep all as set forth.

ELIAS HALL, JR.

Witnesses:
JAMES DRAPER,
SOPHIA A. WHITE.