T. N. Sadler,

Boot-Leg Turner,

Patented Nov. 8, 1836.

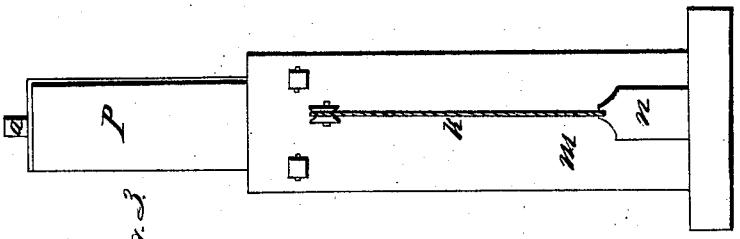

Fig. 3.

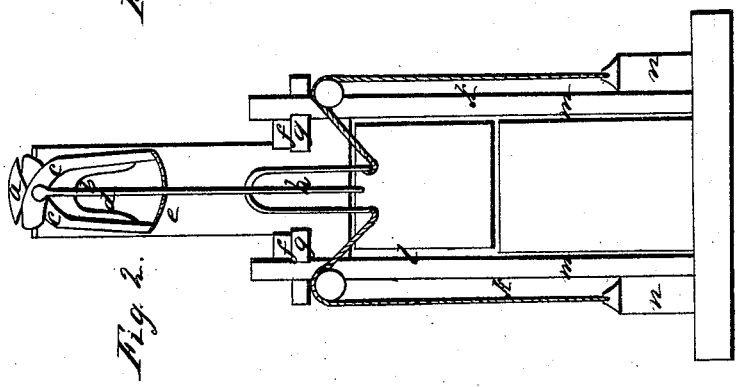

Fig. 2.

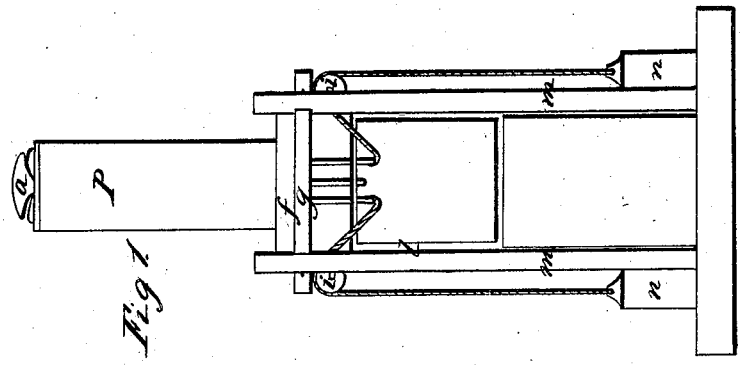

Fig 1

UNITED STATES PATENT OFFICE.

THOMAS N. SADLER, OF SPENCER, MASSACHUSETTS.

MACHINE FOR TURNING BOOT-LEGS.

Specification of Letters Patent No. 73, dated November 8, 1836.

To all whom it may concern:

Be it known that I, THOMAS N. SADLER, of Spencer, in the county of Worcester and State of Massachusetts, have invented a new and Improved Machine for Turning Boot-Legs; and I do hereby declare that the following is a full and exact description.

The said machine is represented by the annexed drawings, marked Figure 1, Fig. 2, and Fig. 3, which several drawings are to be taken as a part of this my specification.

Fig. 1 presents a front view of the machine as it stands ready for use. At the top appears the head (*a*,) of a pair of double jawed pincers, which are moved up and down through the upright hollow cylinder around tube (C) which is fastened upon a piece of wood or other material (*f*) which is made fast to the top (*g*) of the frame below. On the outside of the frame appear weights attached to cords or drops which cords or drops pass over pulleys (*i*, *i*,) by means of which the pincers are thrown up through the tube; within the frame appears a foot piece, moving up and down in grooves, which being pressed by the foot, draws the pincers down through the tube. The boot-leg is drawn upon the outside of the tube, the leather on opposite sides inserted within the jaws of the pincers which are then closed upon the leather, and drawn down by the foot pressing upon the foot piece, and thus the boot-leg is inverted.

Fig. 2 presents a front view of the same machine, as if split through the center thus exhibiting the interior of it. The head (*a*) of the pincers is attached to the handles (*c*, *c*) by a bolt or pivot with jaws suited to the thickness of the leather, within the handles of the pincers is a spring (*d*) to throw open the jaws. A rod (C) is attached to the joint of the pincers and passes down, with a fork through the top of the foot piece to the ends of which fork are attached cords or straps (K, K) which pass over the pulleys (*i*, *i*) having the weights (*n*, *n*) suspended thereto by which the pincers are thrown up as the foot is moved from the foot piece. A cord or strop (*e*) is fastened to the ends of the handles of the pincers, and to that is attached a rod or cord (*h*) running down and secured to the top of the foot piece, (*l*) by means of which the jaws are closed upon the leather, and the pincers drawn down through the tube (A) part only of this last mentioned rod or cord appears in the drawing, all that part of it above the fork being concealed by the rod (C). The wood or other material to which the tube is fastened, is secured by bolts, and nuts or otherwise to the top of the frame, so that the same can be easily removed, and tubes of different sizes substituted. The top (*g*, *g*) of the frame, is tenoned through the side pieces (*m*, *m*) which are firmly secured to the bottom (O) of the frame.

Fig. 3 presents a side view of the machine, with the pincers drawn up.

Instead of the machinery above described, for throwing up the pincers through the tube, to wit: the weights, cords, pulleys, &c., a spiral spring may be used, which will perform the operation, but not so well as the above described apparatus.

In the above described machine, I claim specifically, as my own invention—

The double jawed pincers above described, and the process by which they are thrown up through the tube, and nothing more.

THOS. N. SADLER.

Witnesses:
H. G. HENSHAW,
WALDO FLINT.