

J. SETTLE & G. W. SETTLE.
Machines for Tapering Leather.

No. 158,989.

Patented Jan. 19, 1875.

Fig. 1

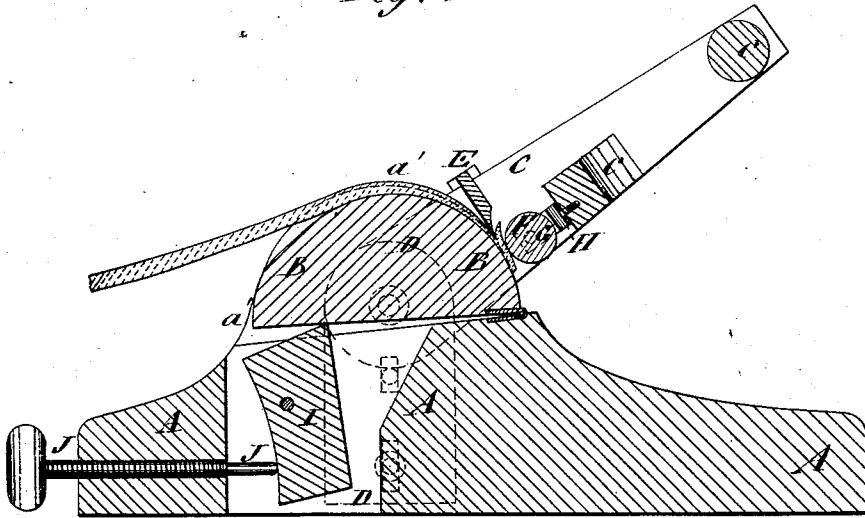
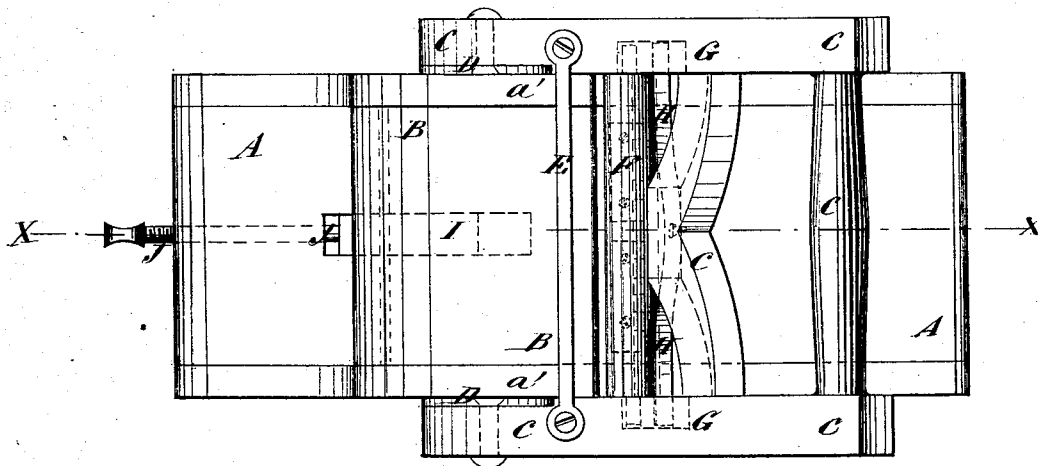


Fig. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN SETTLE AND GEORGE W. SETTLE, OF LEBANON, OREGON.

IMPROVEMENT IN MACHINES FOR TAPERING LEATHER.

Specification forming part of Letters Patent No. **158,989**, dated January 19, 1875; application filed November 30, 1874.

To all whom it may concern:

Be it known that we, JOHN SETTLE and GEORGE W. SETTLE, of Lebanon, in the county of Linn and State of Oregon, have invented a new and useful Improvement in Leather Tapering or Paring Machine, of which the following is a specification:

Figure 1 is a vertical section of our improved machine. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

Our invention has for its object to furnish an improved machine for tapering or paring leather in harness-making and other leather working, and which shall be simple in construction, convenient in use, and effective in operation, paring the leather accurately, uniformly, and quickly.

The invention consists in the combination of the semicircular flanges or lugs, the semi-cylindrical block, the pivoted frame, the knife, the spring-roller, the pivoted block or lever, and the hand-screw with each other and with the base-block, as hereinafter fully described.

A is the base-block or frame of the device, upon the side edges of the middle part of which are formed semicircular flanges or lugs a' , between which is placed a semi-cylindrical block or plate, B, which is hinged at its forward edge to the block A. The end parts of the upper side of the block A, at the sides of the block B, may be beveled off or curved to give more space for the leather. C is a frame, the lower ends of the side bars of which are pivoted to two plates, D, which are secured to the sides of the block A by screws, which pass through short slots in the said plates, so that the frame C may be conveniently adjusted higher or lower, as may be required. To the side bars of the frame C are secured the ends of the knife or cutter E, in such a position that, when the frame C is turned upon its pivots, the knife E may move along the curved edges of the lugs or flanges a' . In the frame C, in front of the knife E, is placed a roller, F, the journals of which revolve in bearings G, that slide up and down in grooves

or slots in the lower parts of the side bars of the frame C, and upon the upper side of said bearings G rest the ends of a spring, H, the middle part of which is attached to a cross-bar of the frame C, and by which the roller F is pressed down upon the leather, to hold the said leather smoothly upon the plate B, just in front of the knife E, the spring H allowing the roller F to adjust itself to the thickness of the leather being operated upon. The middle part of the block A is slotted longitudinally, and in said slot, beneath the rear part of the hinged block or plate B, is placed and pivoted a block or lever, I. Through a screw-hole in the rear end of the block A is passed a hand-screw, J, the forward end of which rests against the rear side of the lower end of the block or lever I, so that, by turning the said hand-screw in or out, the rear part of the plate or block B may be raised or lowered to regulate the angle between the curved surface of the block B and the curved edges of the lugs or flanges a' , to make the taper of the leather sharper or more gradual, as may be desired.

In using the machine, the block B is adjusted as required, the frame C is turned back, the strap or other leather to be operated upon is inserted between the block or plate B and the knife and roller E F of the frame C, and the frame C is swung forward, paring off the leather to exactly the desired taper.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination of the semicircular flanges or lugs a' , the semi-cylindrical block B, the pivoted frame C, the knife E, the spring-roller F H, the pivoted block or lever I, the hand-screw J, and the block A, substantially as herein shown and described.

JOHN SETTLE.
GEORGE W. SETTLE.

Witnesses:

CHAS. B. MONTAGUE,
ROBERT McCULLEY.