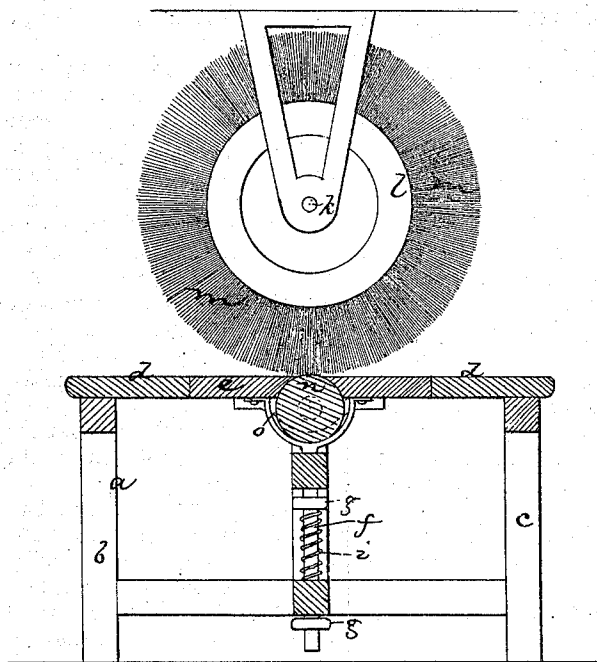


H. P. REED.

Improvement in Machines for Dressing Leather.

No. 128,658.

Patented July 2, 1872.



Witnesses,
Mo. W. Frothingham,
S. B. Kidder.

Inventor,
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By his Attys.
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UNITED STATES PATENT OFFICE.

HERBERT P. REED, OF PEABODY, MASSACHUSETTS.

IMPROVEMENT IN MACHINES FOR DRESSING LEATHER.

Specification forming part of Letters Patent No. 128,658, dated July 2, 1872.

To all whom it may concern:

Be it known that I, HERBERT P. REED, of Peabody, in the county of Essex and State of Massachusetts, have invented an Improvement in Leather-Dressing Machines; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

United States Letters Patent No. 107,625, dated September 20, 1870, were granted to Thomas E. Wilson and myself for an improved machine for dressing skins, the improvement relating to the employment of a brush-cylinder for brushing, cleaning, coloring, and polishing skins, and the invention described in said patent consisting "in combining, with a table or beam, (mounted upon a suitable frame and resting upon springs which permit it to yield vertically,) a cylindrical and rotary brush whose axis is parallel to the beam and whose bristles rotate in contact with the beam, the skin to be treated being drawn in over the end of the beam, under the brush, and up over the top of the beam, while the brush is driven in an opposite direction."

My present invention relates to an organization embracing the general features of such patented machine; but, in addition to the rotary brush and yielding table, I use a rotating roll or cylinder journaled in bearings, preferably fixed to the yielding table, the upper peripheral surface of the roll projecting through the table and forming the surface between which and the brush the skin passes for the operation of the brush. It is in the combination, with the rotary cylinder-brush and the yielding table, of this roll or cylinder that my invention consists.

The drawing represents a vertical cross-section of a machine embodying the improvement,

and for convenience of reference and comparison the respective parts are lettered as in said patent.

a denotes the frame; *b* and *c*, the rear and front posts thereof; *d*, the top rails; *e*, the yielding table; *f*, the vertical screw-rods; *g*, the nuts; *i*, the springs; *k*, the rotary brush-shaft; *l*, the brush-cylinder; *m*, the bristles. *n* denotes the roll or cylinder, the shaft or gudgeons of which may be journaled in boxes or bearings *o* at opposite ends of and beneath the beam or table *e*. The table is cut out to permit the upper part of the roll to pass through the table, as seen in the drawing. The periphery or cylindrical surface of the roll preferably projects slightly above the table and in the line where the brush strikes the table. This roll is preferably formed of hard wood, and is rotated in the direction of the arrow thereon, and, the skin being drawn up over it, (between it and the brush,) the bristles operate more effectually upon the skin (projected slightly above the table by the roll) than when the skin passes over a smooth table to the action of the brush, while, when the skin is allowed to pass down to be again drawn up against the movement of the brush, the roll aids such passage, acting as a feed-roll, the effectiveness of the machine being thus increased and the manipulation of the skin lessened.

I claim—

In combination with the rotary brush-cylinder *l* and yielding bed *e*, the rotary roll or cylinder *n*, extending through such bed *e*, and arranged beneath the brush and with reference to the bed beneath, substantially as shown and described.

HERBERT P. REED.

Witnesses:

S. F. REED,
T. E. WILSON.