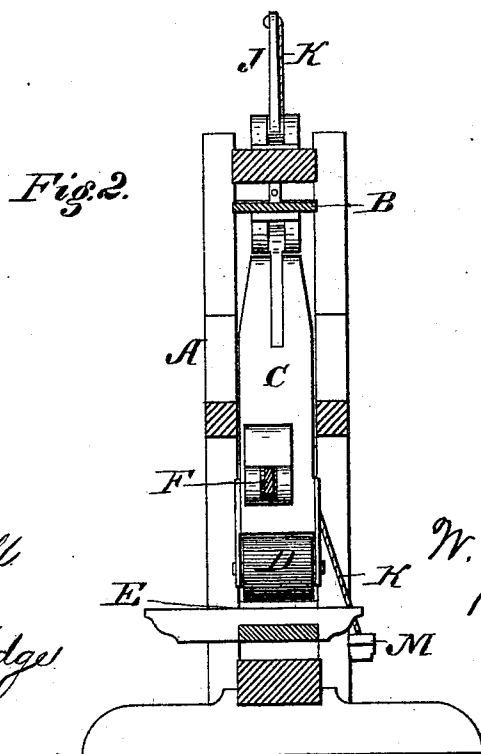
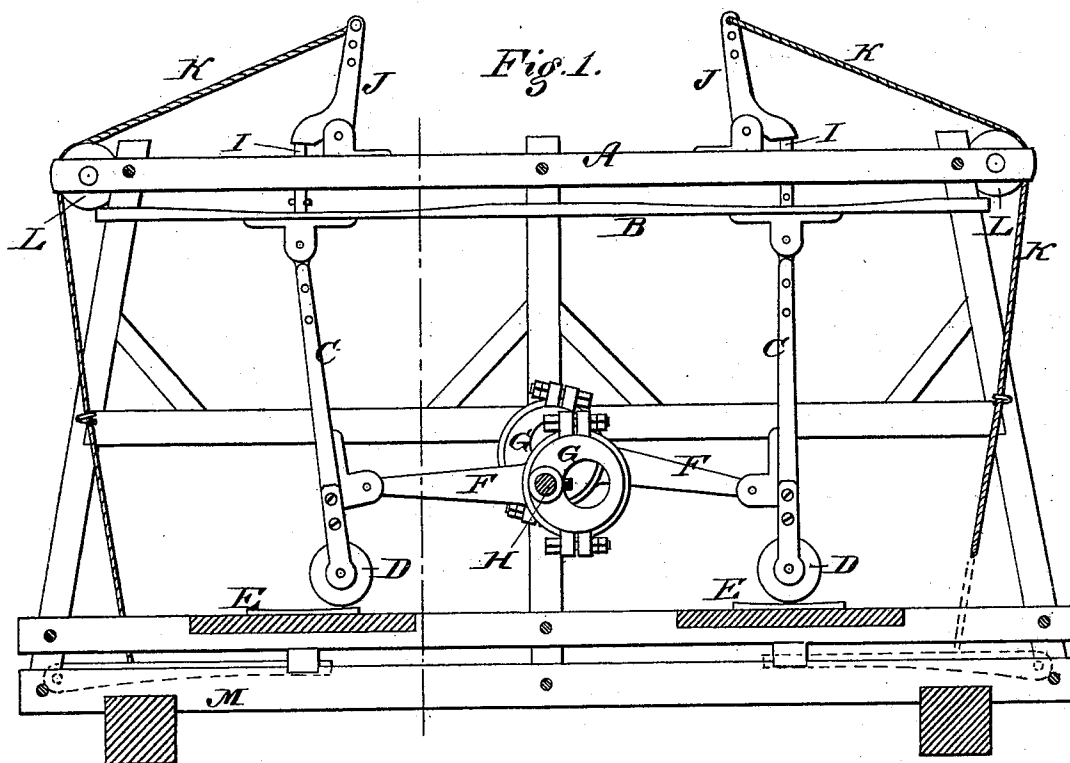


W. H. ROSENSTEEL.
LEATHER-DRESSING MACHINE.

No. 171,867.

Patented Jan. 4, 1876.



Witnesses:

Gerrit Twitchell

Hill & Dodge

Inventor:

W. H. Rosensteel.
By his atty.
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UNITED STATES PATENT OFFICE.

WILLIAM H. ROSENSTEEL, OF JOHNSTOWN, PENNSYLVANIA.

IMPROVEMENT IN LEATHER-DRESSING MACHINES.

Specification forming part of Letters Patent No. **171,867**, dated January 4, 1876; application filed November 22, 1875.

To all whom it may concern:

Be it known that I, WILLIAM H. ROSENSTEEL, of Johnstown, in the county of Cambria and State of Pennsylvania, have invented certain Improvements in Leather-Rolling Machines, of which the following is a specification:

My invention relates to a double machine, having two pendulous rollers; and consists in a novel manner of suspending said rollers and connecting them with foot-levers, by which they may be depressed and controlled in their action independently of each other.

Figure 1 represents a side elevation of my machine with the side of the main frame removed, in order to show more clearly the working parts. Fig. 2 represents a vertical cross-section of the machine on the line *x x*.

A represents a rigid main frame, lengthwise in the top of which there is mounted a spring-bar, B, supported only at its ends and at its middle. To the under side of the bar B, midway between its middle and its ends, I hinge the upper ends of two pendulous bars, C, each provided at the lower end with a roller, D, working over the face of a curved stationary bed, E, as shown in both figures. The two roller bars or pendulums are driven by means of rods or yokes F from two eccentrics, G, secured upon a transverse driving-shaft, H, as shown. In the top of the frame A I mount two vertically-sliding pins, I, bearing on the spring-bar B directly over the ends of the respective pendulums.

Above each pin I, upon the frame, I mount an elbow-lever, J, having a short arm bearing on the pin, and a long arm connected by a cord, K, passing over a pulley, L, to a foot-lever, M, mounted on the side of the frame, in such position as to be readily operated by the attendant.

When the machine is in operation the two rollers are carried to and fro above the beds or tables, being suspended clear of the same in order to permit the introduction and adjustment of the leather.

The attendants, introducing the leather under the respective rollers, place their feet on

the treadles, and thereby bring the rollers down upon the leather with more or less force, as may be required.

By suspending the two rollers in the manner described, and connecting them with the independent depressing devices, the machine is permitted to run on continuously, and at the same time the two rollers adjusted and thrown into and out of action at will, independently of each other.

It is obvious that in place of the elbow-levers straight levers may be used to depress the rollers, and that when the elbow-levers are employed the pins I may be dispensed with, and the levers arranged to act directly upon the spring-bar.

In order to render the action of the machine smooth, free, and easy, the two eccentrics are set diametrically opposite to each other, in order that the two rollers shall always be moving in opposite directions, so that the strain and reaction caused by the change of direction of movement of one will be overcome by the other.

Having thus described my invention, what I claim is—

1. In a leather-rolling machine, the combination of the two pendulous rollers, driven from a common shaft, with separate foot-levers, by means of which they may be thrown into and out of contact with the leather independently of each other without stopping the machine, substantially as shown and described.

2. The combination of the two swinging roller-bars C, driven from the single shaft H, the spring suspending-bar B, and the independent levers J, cords K, and foot-levers M, substantially as shown.

3. The combination of the spring-bar B, roller pendulum C, pin I, elbow-lever J, cord K, and foot-lever M, all attached to and operating in the frame A, substantially as shown and described.

WM. H. ROSENSTEEL.

Witnesses:

C. A. ROSENSTEEL,
JAMES DOWNS.