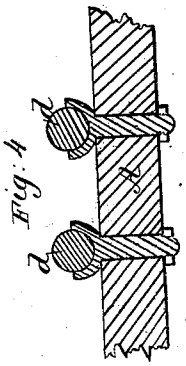
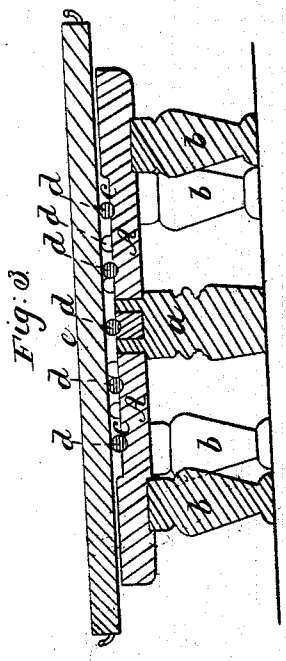
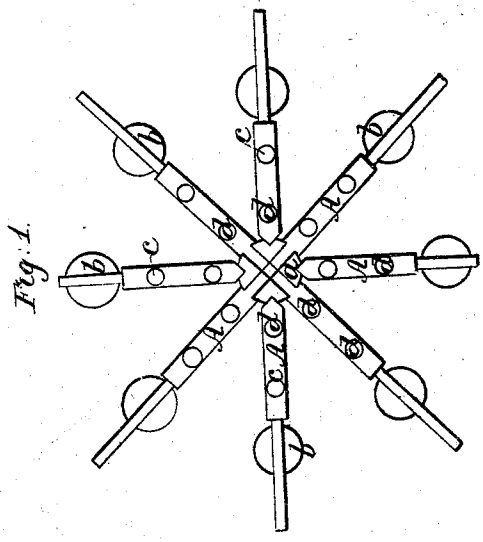
E. Fitzhenry,

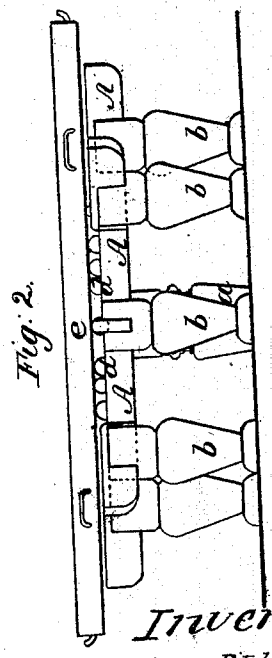
Leather Dressing Machine,

No. 62,324. Patented Feb. 26, 1867.









Witnesses.
Chas. L. Turner
C. W. Baldwin

Inventor.
Edward Fitzhenry.
by his attorney
A. Pollok

United States Patent Office.

EDWARD FITZHENRY, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 62,324, *dated February* 26, 1867.

IMPROVEMENT IN MACHINES FOR DRESSING LEATHER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, EDWARD FITZHENRY, of Boston, county of Suffolk, and State of Massachusetts, have invented a new and useful Improvement in Machines for Dressing Leather; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and in which—

Figure 1 is a top view.

Figure 2, a side elevation.

Figure 3, a vertical and longitudinal section of the invention.

Figure 4 shows a modification of the invention, to be hereinafter described.

My present invention is an improvement upon that for which Letters Patent of the United States have recently been ordered to issue to me for scouring and sleeking leather, etc. As therein exhibited, the tablet for receiving the skin is supported by and placed directly upon the top of the staging or frame, and so that the under surface of the tablet comes in direct contact with the upper surface of the staging.

The object of my present invention or improvement is to materially reduce the friction consequent upon this arrangement of the tablet and its supporting frame.

The following description, with the aid of the accompanying drawings, will clearly exhibit the improvement.

As therein shown, the staging or frame for supporting the operating tablet, is composed of a number of radial arms or rails, A A, etc., etc., diverging from a central standard, *a*, the outer extremities of these rails being duly supported by a series of posts, *b b b*, etc., arranged concentrically about the standard *a*. A range, *c*, of hemispherical recesses is formed in the upper surface of each rail to receive a number of spherical anti-friction balls, *d d*, etc., as represented. The tablet for supporting the skin and moving it about under the action of the machine, is shown at *e* as supported upon the upper surface of the balls *d d*. The movement of the tablet in any direction will cause a rotation of the balls within their recesses. It will be seen that the employment of these balls, as described, very much reduces the friction between the tablet and its supporting frame, and allows the tablet to be moved about therein with comparative ease, as contradistinguished from the construction and arrangement, as shown in the machine to which reference has hereinbefore been made. I would remark that instead of applying the spherical balls directly to the rail, as shown in fig. 3 of the drawings, I have contemplated the employment of a series of semicircular cups, applied to the rail by means of a shank extending from the under side of the cup and through the rail, and having a nut upon its lower end to screw against the rail, as represented in fig. 4.

I claim, as an improvement in the machine for scouring and sleeking leather, constituting the subject of the invention before referred to, and for which Letters Patent of the United States have been ordered to issue to me—

The employment of the anti-friction balls, or their equivalents, substantially in manner and for the purpose as hereinbefore described.

EDWARD FITZHENRY.

Witnesses:

FREDERICK CURTIS,

CHAS. L. TURNER,

C. W. BALDWIN.