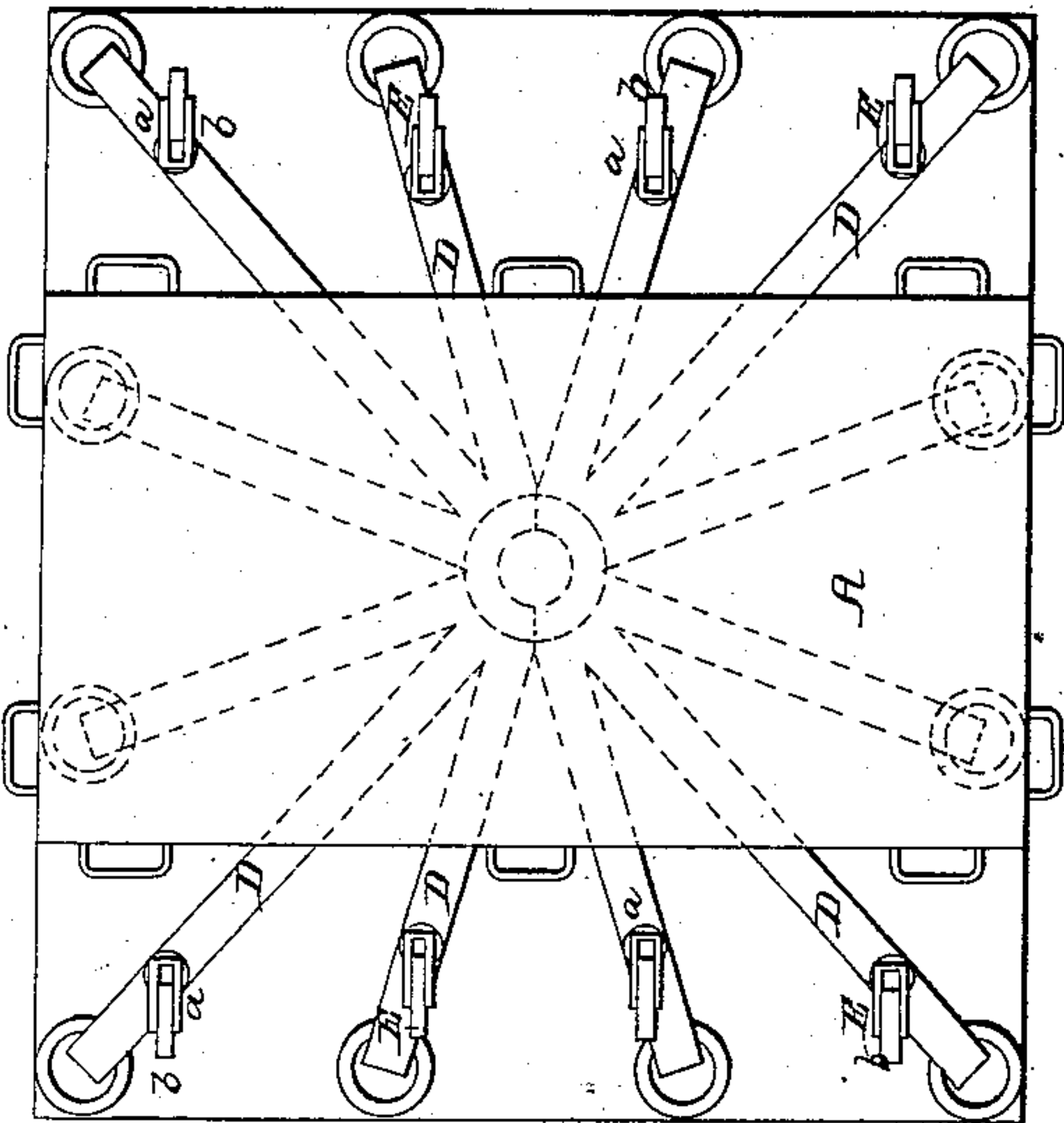


*E. Fitzherry,
Scouring Leather*

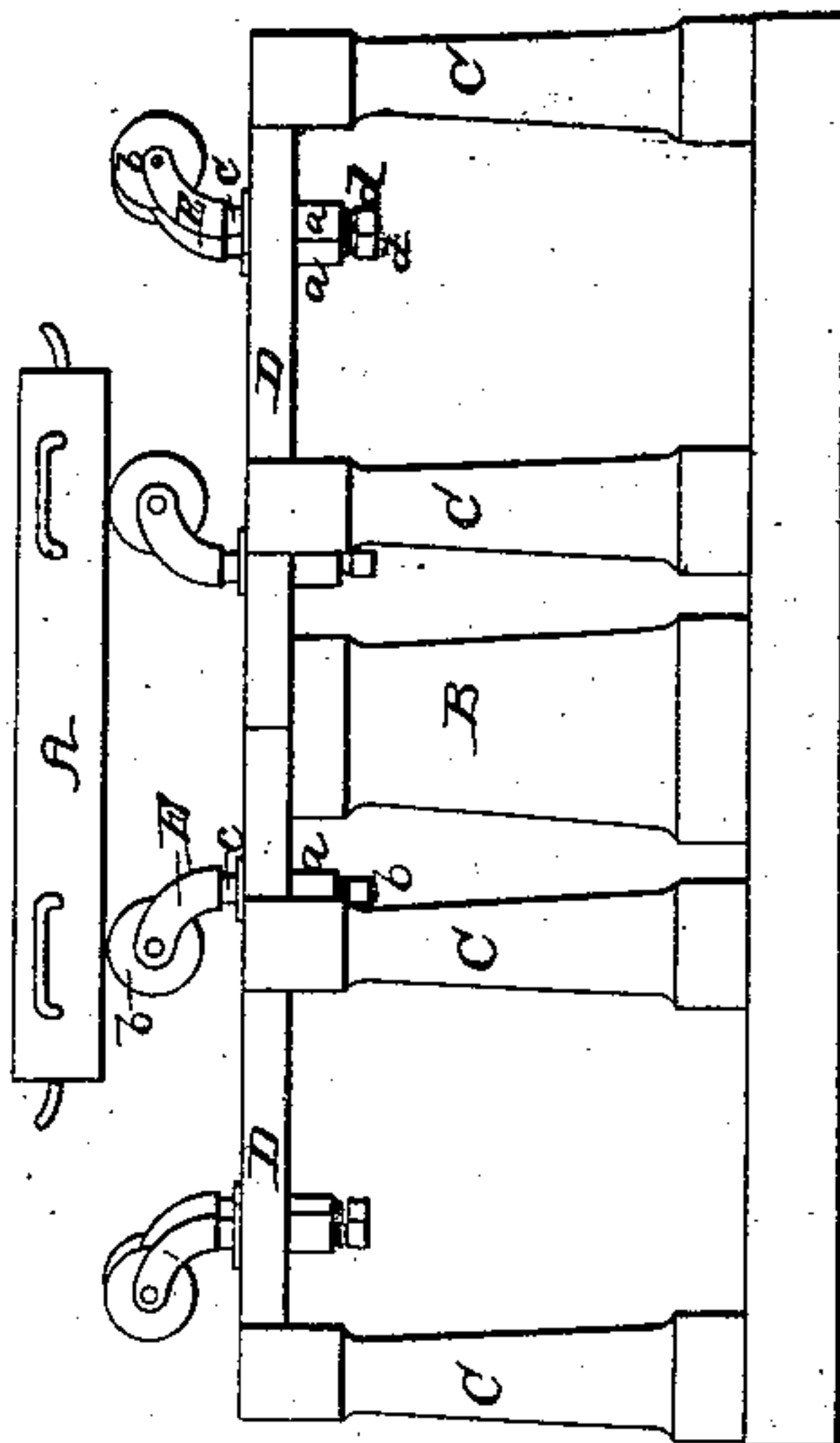
N^o 76,619.

Patented Apr. 14, 1868.

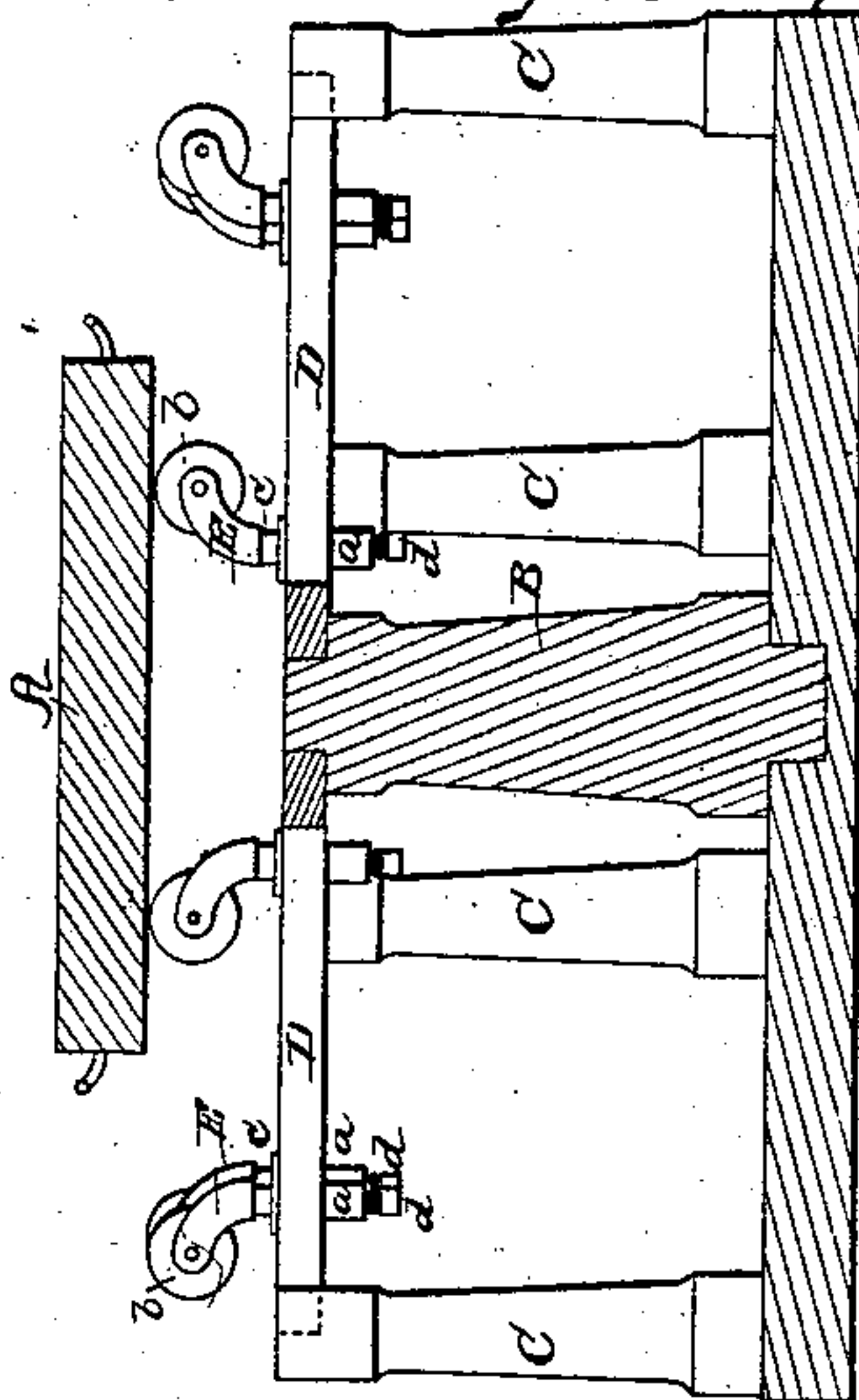
Fig; 1.



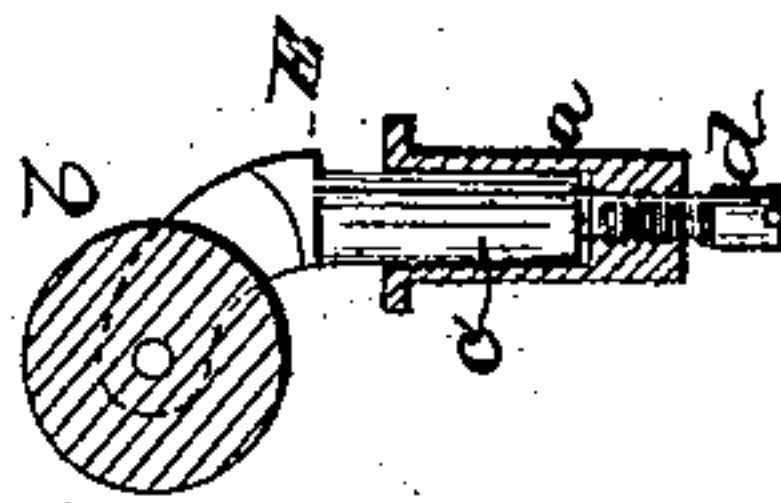
Fig; 2.



Fig; 3.



Fig; 4.



*Witnesses;
J. N. Roper
J. R. Durr*

*Inventor,
Edward Fitzherry
by his attorney
R. H. Gentry*

United States Patent Office.

EDWARD FITZHENRY, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 76,619, dated April 14, 1868.

IMPROVED MACHINE FOR DRESSING AND SCOURING LEATHER.

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

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known, that I, EDWARD FITZHENRY, of Boston, in the county of Suffolk, and State of Massachusetts, have made a new and useful invention having reference to Machinery for Dressing or Scouring or Setting Out Leather; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view,

Figure 2 a side elevation, and

Figure 3 a longitudinal section of a leather-supporting tablet and its sustaining-devices.

Figure 4 is a vertical section of one of the casters, its socket-piece, and adjusting-screw, as employed for the support of the tablet.

Letters Patent, No. 62,234, dated February 26, 1867, have been granted to me for the employment, in a machine for scouring and sleeking or setting-out leather, of anti-friction balls, or their equivalents, for the purpose of supporting the tablet of such machine.

Difficulties have occurred in the practical operation of the said improvement. It presents no means of adjusting the balls to the lower surface of the tablet. Furthermore, the liquid from the tablet, by running into the cups or bearings of the balls, carries with it matters which cause the balls frequently to adhere to their cups, or work unevenly therein. Furthermore, the balls are liable to wear the bottom of the tablet in grooves.

In carrying out my present invention, I substitute for the balls a series of inverted furniture-casters, they or their socket-tubes being fixed in the radial bars of the supporting-frame, and each being provided with an adjusting-screw, or its equivalent, so applied to the socket-tube or piece, and the spindle or journal of the wheel of the caster, as to be capable of effecting the vertical elevation or depression of such spindle and wheel, so as to force the latter into contact with the table, as occasion may require.

Each of the caster-wheels is not only capable of being revolved on its own axis, but of being revolved in a circular path about the axis of its spindle, such being effected by moving the tablet in various directions, horizontally, upon the series of casters. The wheels, when having flat instead of curved peripheries, and being capable of a compound movement, as described, will not wear into the tablet in grooves, as the spheres or balls are liable to do when used.

The casters enable the tablet to be moved very much easier than it can be when resting on balls, for the leverage of each caster on which the tablet may rest is brought into play to excellent advantage to facilitate the movement of the tablet. The casters are more than mechanical equivalents for the balls, because the former, besides accomplishing the effect of the balls, produce new results, and overcome difficulties incident to the balls.

In the drawings, A denotes the tablet, B a post, surrounded by a series of other posts, C C C, from the tops of which to that of the post B, a series of bars, D D D, extends horizontally.

The casters, as inverted and applied to such bars, are exhibited at E E E, &c., *a* being the socket-tube or piece, *b* the wheel, and *c* the spindle of each caster. The adjusting-screw, on which the lower end of each spindle rests, is shown at *d* as screwed up through the bottom of the socket-piece.

I would remark that I usually provide the spindle of each caster with an annular cap, to encompass it just above the upper end of the step or socket of the spindle, and to completely cover the top of such socket, the same being in order to prevent liquid, when discharged from the tablet, from falling upon and running into the socket-piece of the spindle.

I do not herein claim the subject of the patent hereinbefore mentioned, nor do I claim a furniture-caster as commonly constructed, but

What I do claim in a leather-scouring or sleeking machine is—

The combination of a series of casters, E E, &c., in manner substantially as set forth, with the tablet A, and its supporting-frame, the whole being substantially as described.

And in combination with a series of casters, a tablet and a supporting-frame, arranged and composing parts of a machine, as and for the purpose described; I claim an adjusting-screw, or its equivalent, applied to each or any of such casters, for the purpose of effecting the adjustment of the caster-wheel, or the same and its spindle, with reference to the tablet, in manner as explained.

EDWARD FITZHENRY.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.