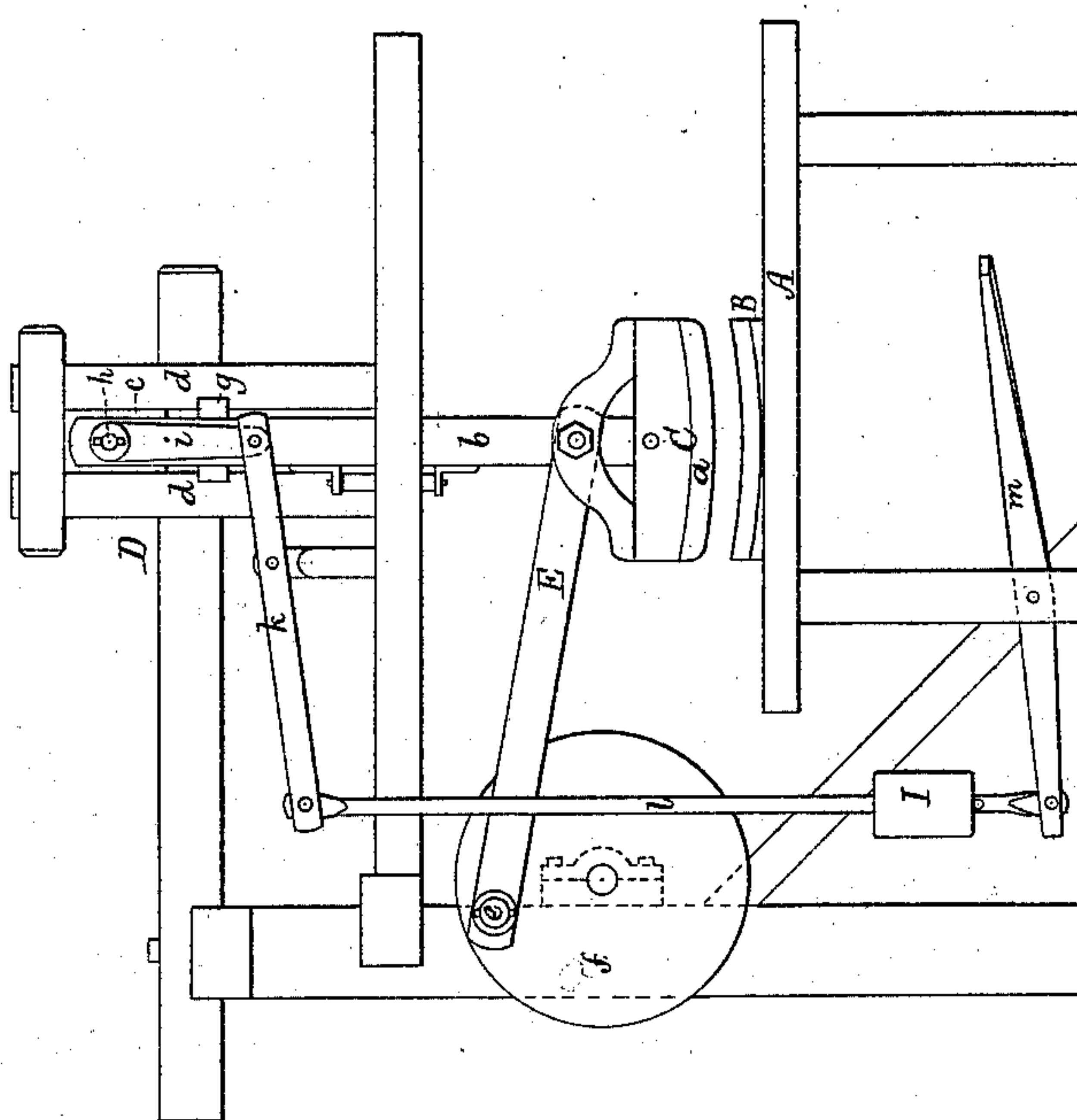
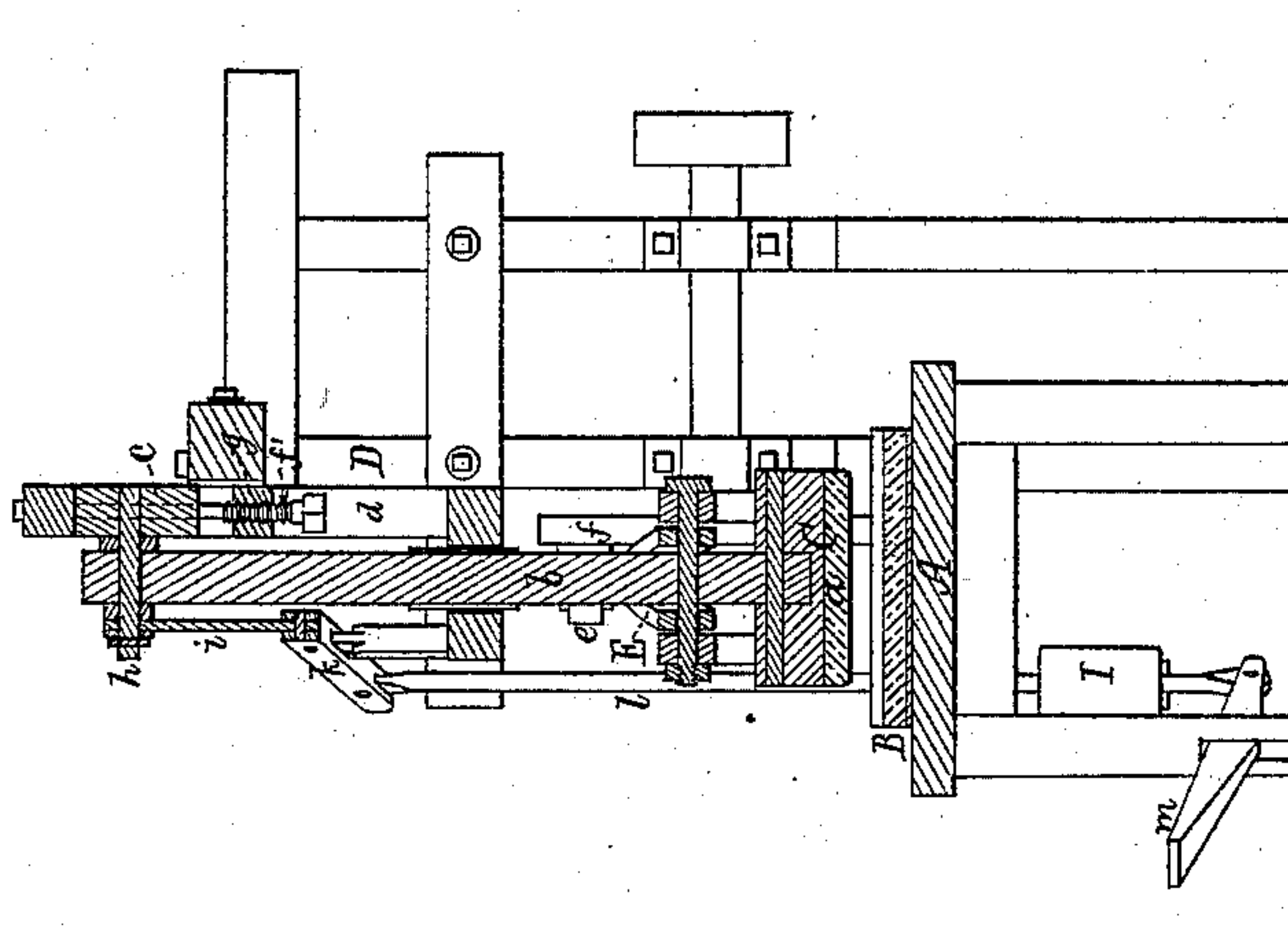


L. P. WASON.
Machines for Boarding Leather.

No. 218,908.

Patented Aug. 26, 1879.



Witnesses.

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W. W. Lutz

Inventor

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UNITED STATES PATENT OFFICE.

LYMAN P. WASON, OF SALEM, MASSACHUSETTS.

IMPROVEMENT IN MACHINES FOR BOARDING LEATHER.

Specification forming part of Letters Patent No. **218,908**, dated August 26, 1879; application filed July 28, 1879.

To all whom it may concern:

Be it known that I, LYMAN P. WASON, of Salem, of the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Machines for Boarding Leather; and do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, and Fig. 2 a transverse section, of a leather-boarding machine provided with my invention, the nature of which is fully set forth in the claim hereinafter presented.

In such drawings, A denotes a table having a curved bed, B, of cork fixed to and extending up from it, as shown. With such bed a reciprocating or pendulous boarder, C, is employed in effecting the boarding of a sheet of leather in a manner well known to morocco-leather manufacturers, the lower surface of the body of the boarder having a cork covering or lining, *a*, curved convexly in parallelism, or thereabout, with the concave upper surface of the bed. This boarder is fixed to the lower end of a pendulous shank, *b*, which, near its upper end, is pivoted to a movable pivot-carrier, *c*, adapted to slide up and down between stationary vertical and parallel guides *d d*, fixed in a frame, D. A furcated connecting-rod, E, having its prongs jointed to the boarder, serves to connect such boarder with the wrist *e* of a crank-wheel, *f*, fixed on a suitable driving-shaft for revolving it (the said wheel) in order to produce a reciprocating or pendulous movement of the boarder over the bed.

Below the pivot-carrier *c* is an adjustable stop or screw, *f'*, which screws vertically through a cross-piece, *g*, and serves as a means of regulating the extent of downward movement of the boarder relatively to the bed, as

the thickness of the sheet of leather to be boarded may require. Furthermore, there is pivoted to the pivot-carrier *c*, or the shank-pivot *h*, extending therefrom, a connection-bar, *i*, which, at its lower part, is pivoted to the shorter arm of a lever, *k*, pivoted to the frame D, and arranged as represented. A connecting rod or bar, *l*, is jointed to the longer arm of the said lever, and also to the shorter arm of a pedal or foot-lever, *m*, pivoted to one of the table-legs, and arranged as shown.

A weight, I, sufficient to effect the upward movement of the boarder away from the bed, is applied to the rod *l*.

On pressing one foot on the longer arm of the lever *m* and moving the said lever, the boarder may be depressed until the pivot-carrier *c* may be stopped by the adjustable stop *f'*.

In using the machine, a person first lays the sheet of morocco or leather in a folded state on the bed, and while the boarder is in movement toward the crank-wheel such boarder is to be depressed upon the sheet and held down thereon until the movement may be completed, the sheet being turned and submitted to a continuance of such operations until it may have been properly boarded.

I claim—

In the leather-boarding machine, the combination of the movable pivot-carrier *c* and its adjustable stop *f'* with the pendulous boarder C, its shank *b*, cranked wheel *f*, and furcated connecting-rod E, and with the two levers *k m*, connecting bars or rods *i l*, and overbalance-weight I, all being arranged, applied, and to operate substantially as set forth.

LYMAN P. WASON.

Witnesses:

R. H. EDDY,
W. W. LUNT.