2 Sheets--Sheet 1.

N. O. LOUNSBERRY.

Leather-Dressing Machinery.

No. 161,046 Patented March 23, 1875.

Fig. 1

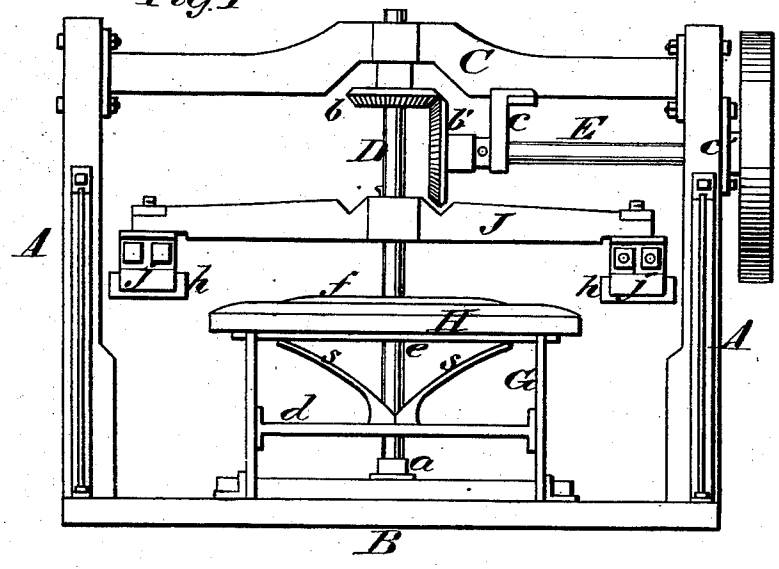
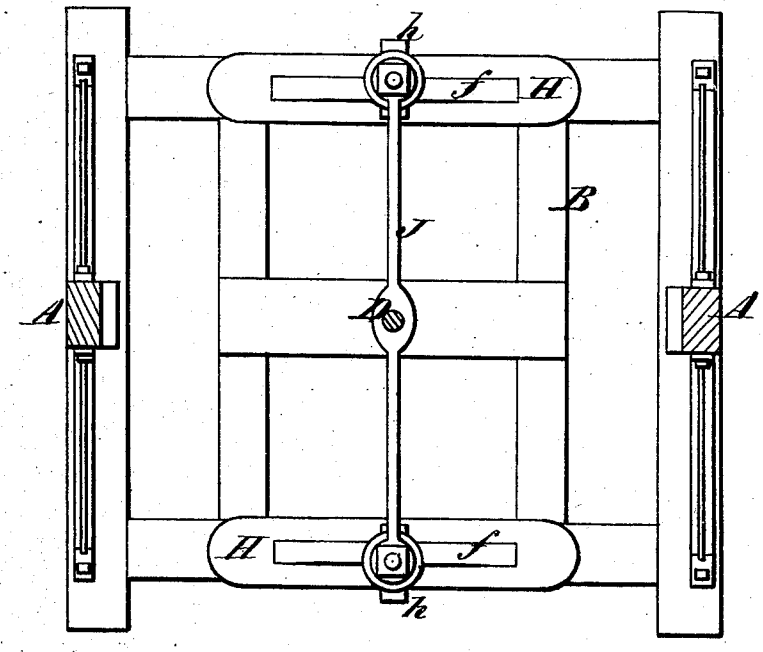


Fig. 2.



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Fig 3

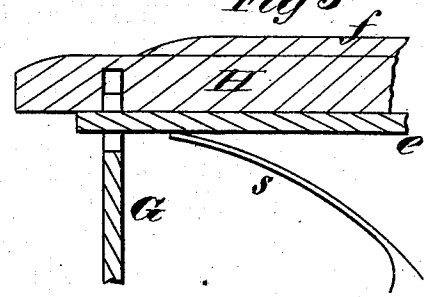


Fig 4

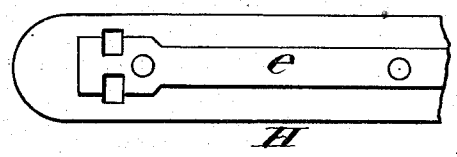


Fig 5

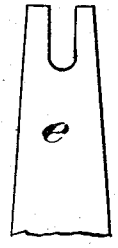


Fig 6

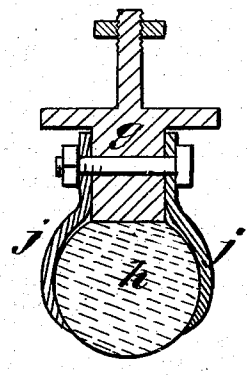
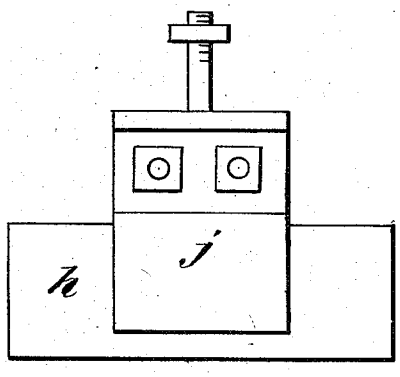


Fig 7



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UNITED STATES PATENT OFFICE.

NORMAN O. LOUNSBERRY, OF WILMINGTON, DELAWARE.

IMPROVEMENT IN LEATHER-DRESSING MACHINERY.

Specification forming part of Letters Patent No. **161,046**, dated March 23, 1875; application filed February 6, 1875.

To all whom it may concern:

Be it known that I, NORMAN OLMSTEAD LOUNSBERRY, of Wilmington, in the county of New Castle and State of Delaware, have invented a new and valuable Improvement in Glazing or Polishing Leather; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a front elevation of my glazing-machine. Fig. 2 is a plan view of the same; and Figs. 3, 4, 5, 6, and 7 are detail views.

This invention has relation to means for polishing leather; and it consists, mainly, in a rotating beam carrying the polishing-agates, or other equivalent polishers, in combination with yielding beds or tables of peculiar construction, on which the skins are applied, and upon which they are polished, as will be understood from the following description:

In the annexed drawings, A A designate two uprights, which rise from a base-frame, B, and which have rigidly secured to them, near their upper ends, a horizontal beam, C, which affords, at the middle of its length, a bearing for the upper journal of a vertical shaft, D. The lower end of this shaft D is stepped in a bearing-box, *a*, which is made fast to a cross-beam of the base-frame B.

The shaft D may be extended up to the ceiling of the room in which the machine is located, and rotated by means of beveled wheels and an overhead line-shafting.

The drawing represents the shaft D with a bevel-wheel, *b*, keyed on it, which gears with a wheel, *b'*, keyed on a shaft, E, which latter is journaled in a bracket, *c*, and a box, *c'*. When shaft E is rotated, the shaft D will receive rotation faster or slower, as the circumstances of the case may require. G G designate two frames, which are located on opposite sides of, and equidistant from, the vertical shaft D, and which are composed, respectively, of two uprights rising from the base-frame B, and a horizontal bar, *d*, which is secured to the said uprights. To the bar *d* of each frame G two springs, *s s*, are secured, the upper free ends of which sustain a table, H, on which is secured a polishing-bed, *f*, the extremities of which are beveled down flush with the table H. Each table H, with its polishing-bed *f* is free to yield downwardly, resisted only by the force of the springs beneath it. The shaft D has secured to it, below the wheels *b* and *b'*, a horizontal cross-head, J, the ends of which are equidistant from said shaft. The ends of this head J have rigidly, but removably, secured to them flanged blocks *g g*, to which are secured, by means of bolts and nuts and clamps *j j*, agates, or any other suitable polishing substance, which I designate by letters *h h*.

It is by the repeated passage of these agates over the leather, which is drawn over the beds *f*, that the leather is polished, and it is obvious that the work can be rapidly and economically performed by the means described.

The work-tables H H have bars *e e* permanently secured to them, the ends of which bars are notched and adapted to receive the slotted ends of the uprights of frame G, thereby keeping the tables in their places, but allowing them free vertical motion as the agates pass over them.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The table H, having the slotted uprights G and springs S, in combination with the rotary cross-head J, carrying glazing-pieces *h*, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

N. O. LOUNSBERRY.

Witnesses:

GEORGE H. LEECH,

JOHN B. WALKER.