H. D. CHEMBERLIN & J. P. LUTHER.

MACHINERY FOR DRESSING LEATHER.

No. 176,216. Patented April 18, 1876.

Fig. 1

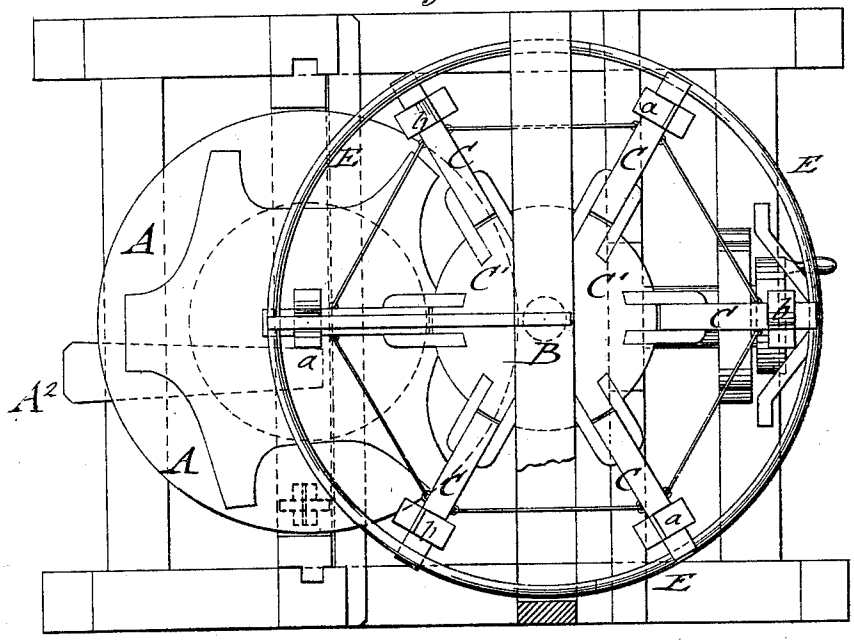
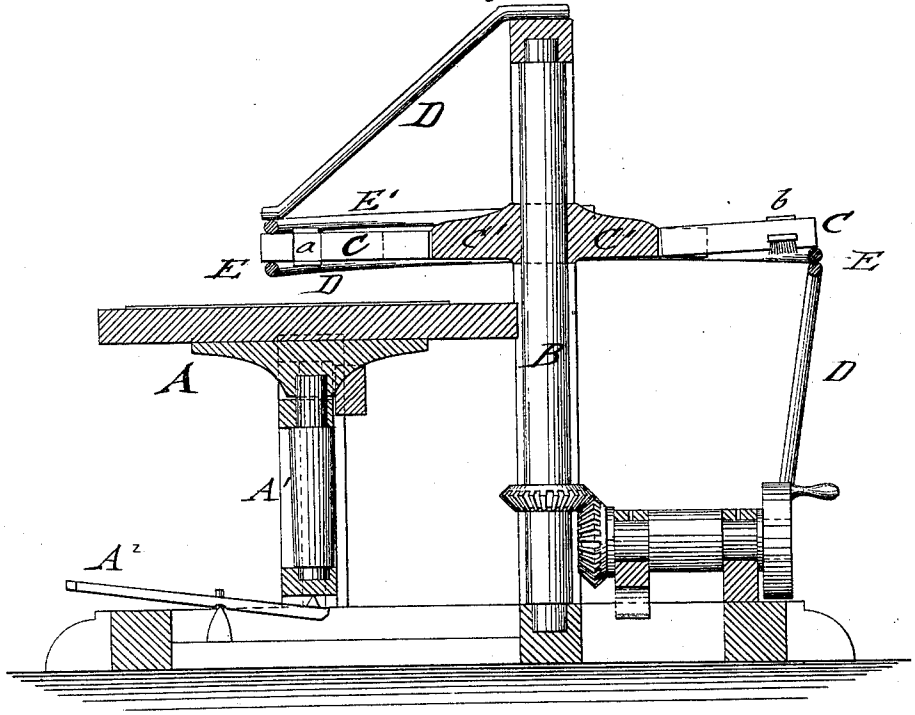


Fig. 2.



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HARRISON D. CHEMBERLIN AND JUSTUS P. LUTHER, OF BERLIN, WISCONSIN.

IMPROVEMENT IN MACHINERY FOR DRESSING LEATHER.

Specification forming part of Letters Patent No. **176,216**, dated April 18, 1876; application filed March 6, 1876.

To all whom it may concern:

Be it known that we, HARRISON D. CHEMBERLIN and JUSTUS P. LUTHER, of Berlin, in the county of Green Lake and State of Wisconsin, have invented a new and Improved Machine for Scouring Leather, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a top view, and Fig. 2 a vertical longitudinal section, of our improved machine for scouring leather.

Similar letters of reference indicate corresponding parts.

Our invention relates to an improved machine for scouring leather when taken from the vat, for the purpose of accomplishing the tedious process of scouring by hand by means of a machine that meets the wants of tanners, and produces a more uniform work with greater rapidity and economy.

The invention will first be described in connection with drawing, and then pointed out in the claim.

In the drawing, A represents a table, of round, oval, or other shape, which is placed on a vertical center-post, A^1, and capable of being revolved thereon to expose every part of the leather spread on the table to the action of the scouring-stones. The supporting-post A^1 is set into a lateral sliding frame, that is readily raised or lowered by the workman by means of a treadle, A^2, to expose the leather at the required pressure to the action of the stones *a*. The scouring-stones *a* are applied by radial arms C, which are pivoted to a center disk or hub, C′, of an upright shaft, B, that is revolved by suitable power in top and bottom bearings. The revolving arms C are guided on a circular ring, E, of irregular height, that is so constructed that the stones *a* will strike the table A at the center. A second stationary or adjustable semicircular ring, E′, or suitable weights attached to the arms, hold the stones steadily and evenly to the leather when passing over the same. The stones *a* are alternated with brushes *b*, which draw out the fibers of the leather in order to make it strong, even, and durable. The stones, striking the leather at the center, and working it off toward the outside, produce the proper softening of the grain, which, in connection with the brushes, gives a uniform texture to the leather. The brushes may be kept moist from a tank, for admitting the easier scouring of the leather. The lower guide-ring, as well as the top guide-ring, is braced by supporting-rods D, as shown in Fig. 3. The scouring and setting out of leather may in this manner be accomplished in a less-fatiguing, superior, and cheaper manner by a machine than by the long, tedious, and frequently-slighted work of scouring the hides by hand.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination of the stones and brushes, applied to pivoted arms of a revolving shaft, with the lower guide-ring and a semicircular top guide-ring, or suitable weights to hold the stones and brushes to the work, substantially as specified.

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