(No Model.)

A. WHITING.

LEATHER SCOURING AND HIDE WORKING MACHINE.

No. 265,293. Patented Oct. 3, 1882.

Fig. 1.

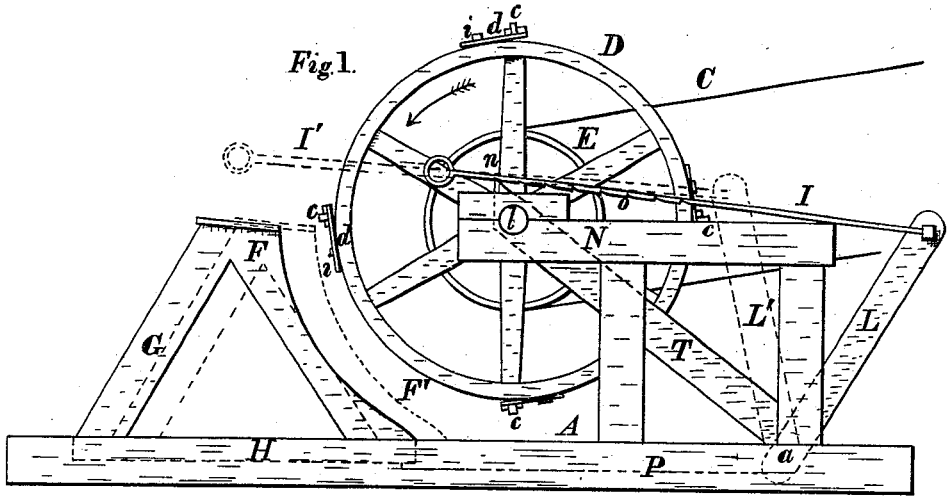


Fig. 2.

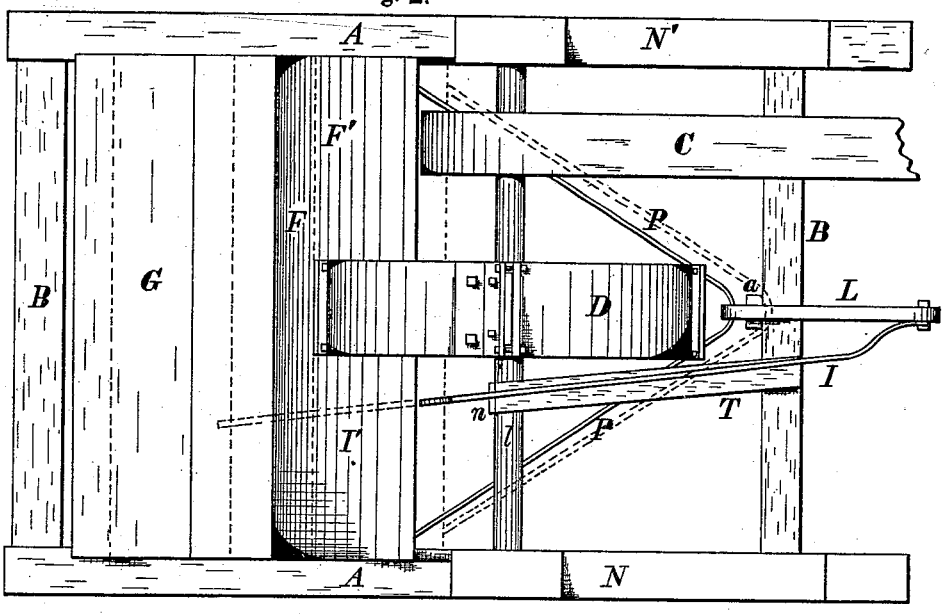


Fig. 4.

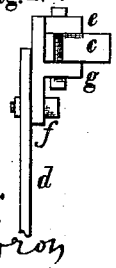
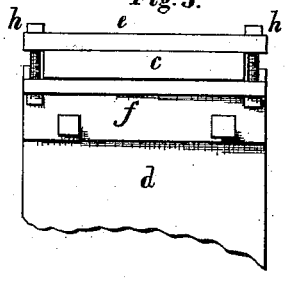


Fig. 3.



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UNITED STATES PATENT OFFICE.

ALBERT WHITING, OF ROCHESTER, NEW YORK, ASSIGNOR TO HIMSELF AND STEPHEN Y. ALLING, OF SAME PLACE.

LEATHER-SCOURING AND HIDE-WORKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 265,293, dated October 3, 1882.

Application filed May 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, ALBERT WHITING, of Rochester, in the county of Monroe and State of New York, have invented certain Improvements in Leather-Scouring Machines, of which the following is a specification, reference being had to the accompanying drawings.

My improved leather-scouring machine is represented in the accompanying drawings, in which—

Figure 1 is a side elevation. Fig. 2 is a plan view. Figs. 3 and 4 are respectively side and end views of the spring-scourers.

In the accompanying drawings, representing my improved scouring-machine, A A B B represent the base or frame-work; D, the scouring-wheel; F, the movable bed; L, the lever, and I the adjusting-rod, by which the position of the bed relatively to the scouring-wheel is controlled. The wheel D rotates with the shaft *l*, which is supported in suitable journals on the side frames, N N′, being driven by the belt C, running over the pulley E. On the periphery of the wheel are secured, by screws *i i*, the flat or leaf springs *d d*, which carry at the outer ends the clamp *e g*, between the jaws of which the scouring-tools *c c* are held by the bolts *h h*, Figs. 3 and 4. The jaw *g* of the clamp is carried by a plate, *f*, which is screwed or riveted to the outer edge of the spring *d*. The direction of rotation of the scouring-wheel is indicated by the arrow in Fig. 1, so that the scouring-tools pass downward as they act on the hides placed on the curved bed F. The bed is arranged to slide to and from the scouring-wheel D in a radial direction, as indicated by the dotted lines in the drawings, its base H sliding on ways on the side pieces, A A, of the frame-work. The bed is supported from the outer end of the base H by the diagonal brace G. The position of the bed relatively to the scouring-wheel is adjusted by the rod I, which is provided at one end with a handle located conveniently within the grasp of the operator, and at the other end is connected with the lever L, which is pivoted at *a* to one of the cross-bars B of the frame-work. The motion of the lower end of the lever is transmitted to the base of the curved bed by means of a suitable connection, such as the rods P P. The adjusting-rod I is provided with a series of notches, which engage with the hook or catch *n* on the end of an inclined bar, T. The catch may, however, be arranged in any other convenient manner. By drawing the adjusting-rod toward him the operator is enabled to put any desired pressure on the hides on the curved bed F, the rod being held in position by one of its notches engaging with the catch *n*.

I am aware that movable spring-tools have been heretofore employed in machines for working leather, as shown in the patents of Head, No. 154,249, August 18, 1874, and No. 173,627, February 15, 1876; and such construction I do not claim, my invention being limited to a tool attached by a clamp to the outer end of a leaf-spring secured on the rotating wheel tangentially thereto, the arrangement being such that the tool, by a twisting or torsional movement of the spring, may be allowed to adjust itself to the irregularities or unequal thickness of the leather operated on, either end of the tool moving inward or outward in a radial line to and from the surface of the wheel as the spring twists to accomplish this result.

I claim—

1. The combination, with the wheel D, provided with spring scouring-tools *c c c*, of the movable bed F, lever L, and adjusting-rod I, substantially as and for the purposes set forth.

2. The combination, with the wheel D, of the scouring-tool *c*, clamp *e g*, and leaf-spring *d*, attached tangentially to the surface of the wheel D, and capable of a twisting or torsional movement, substantially as and for the purposes described.

ALBERT WHITING.

Witnesses:
GEO. B. SELDEN,
H. G. PHILLIPS.