

(No Model.)

J. LAROCHE.

MACHINE FOR CLEANING WOOL ON SKINS.

No. 264,309.

Patented Sept. 12, 1882.

Fig: 1.

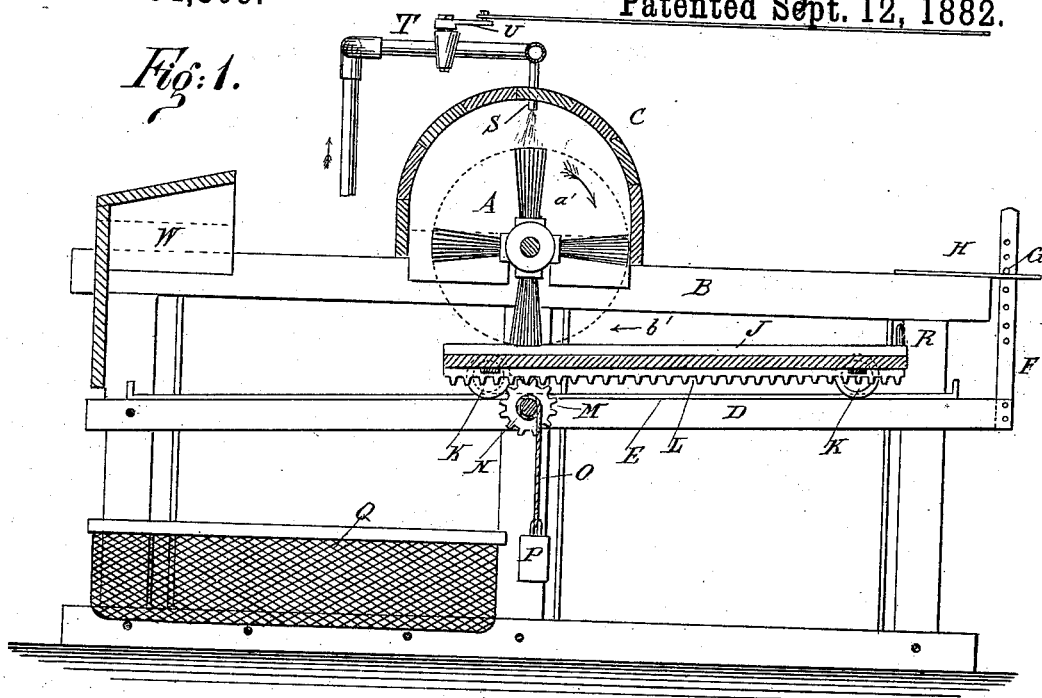
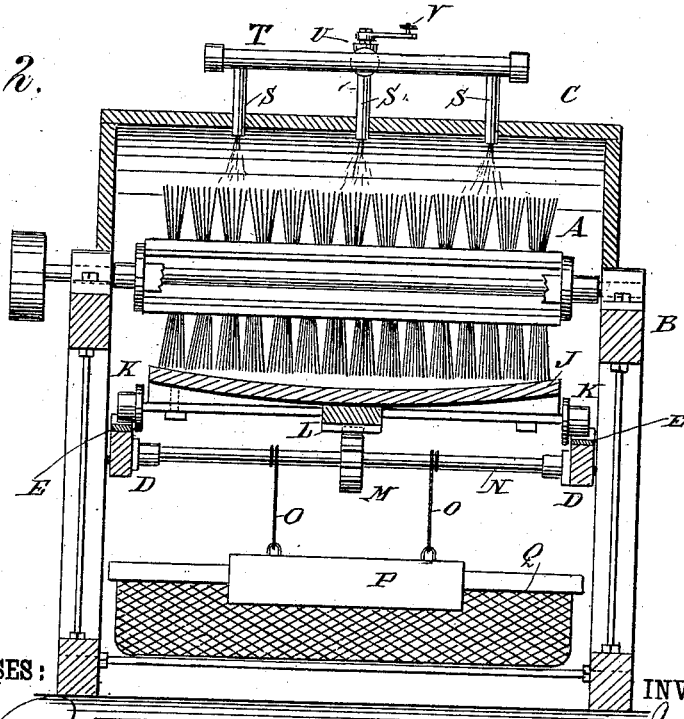


Fig: 2.



WITNESSES:

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MACHINE FOR CLEANING WOOL ON SKINS.

SPECIFICATION forming part of Letters Patent No. 264,309, dated September 12, 1882.

Application filed April 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH LAROCHE, of the city, county, and State of New York, have invented a new and Improved Machine for Cleaning Wool on Skins, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved machine for removing pieces of fat, flesh, clotted blood, and like matter from the wool on sheep-skins.

The invention consists in a machine for cleaning the wool on sheep-skins, constructed with a rotary brush for brushing the wool on the skin, placed on a movable platform resting on a vertically-adjustable truck-frame provided with a transverse shaft, on which is mounted a pinion engaging with a rack on the under side of the movable platform, to which shaft two cords are attached, from which a weight is suspended for facilitating the moving of the platform in one direction. An inverted-trough-shaped box covers the brush, upon which the water flows from spouts projecting through this box. The scraps of flesh, fat, skin, and like matter removed by the brush are thrown into a basket below the platform.

The invention also consists in parts of construction and combinations, as will be fully explained hereinafter.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a longitudinal sectional elevation of my improved machine for cleaning wool on sheep-skins. Fig. 2 is a cross-sectional elevation of the same.

A rotary brush, A, provided with bristles of rattan or wire, is journaled on the top of a frame, B, and is covered by an inverted-trough-shaped box, C, in which it can rotate very freely. The shaft of this brush is provided with a belt-pulley for rotating it. A track-frame, D, carrying two tracks, E, having the ends bent upward, is pivoted to one end of the frame B, and the other end is suspended from the other end of the frame B by means of an apertured upwardly-projecting bar, F, attached to the track-frame. A pin, G, passed through one of the apertures of the bar F, rests upon an arm, H, of the frame B. A platform, J, is provided,

with flanged wheels K, resting on the tracks E, and is provided in the middle of its under side with a longitudinal rack, L, engaging with a pinion, M, mounted on a shaft, N, journaled in the track-frame D. Cords O are attached to the shaft N, and to the lower ends of these cords a weight, P, is attached. A basket, Q, of net-work or other suitable material, rests on the bottom of the frame B, below the pivoted end of the track-frame D. That end of the platform J toward the end of the track-frame, provided with the suspending-rod F, is provided with a handle-projection, R, for pulling the platform J. A series of spouts, S, project through the top of the box C, and are connected with a water-pipe, T, provided with a cock, U, which can be operated from one end of the frame B by means of a rod, V. A box, W, is secured to the frame B over the pivoted end of the track-platform E to catch pieces of fat, skin, &c., and also the water thrown toward that end of the frame B by the brush A. The upper surface of the platform J is made slightly concave transversely.

The operation is as follows: The track-frame D is raised and held in this position by means of the bar F, the pin G, and the arm H until the bristles of the brush A can come in contact with a skin on the platform-car J. The platform J is pulled to the upper end of the track-platform D by means of the handle R, whereby the cords O will be unwound from the shaft N and the weight P lowered. The skin is placed on the platform J with the wool side to the top. The brush A is rotated in the direction of the arrow *a'* with very great rapidity, and water is conducted through the spouts upon the brush. The brush removes particles of flesh, fat, skin, blood, dirt, and such matter from the wool and throws them into the basket Q, or against the box W, from whence they drop into the basket. By the action of the brush on the skin the platform J is moved in the direction of the arrow *b'*, whereby the cords O are wound on the shaft N and the weight P is raised, thus preventing a too rapid movement of the platform J. When the platform J has arrived at the lower end of the track-frame D it is pulled back in the reverse direction of the arrow *b'* and a fresh skin is placed on the same. The descending weight P assists in moving the

platform J in the reverse direction of the arrow
b'. The upper surface of the platform J is
made slightly concave, so that the upper sur-
face of the skin will be about level, as the skins
5 are thickest in the middle, and the wool in the
middle of the skin is longer than at the ends,
and the middle of the skin would be raised if
placed on a flat platform. The track-frame D
must be raised more or less, according to the
10 length of the bristles of the brush, so that these
bristles can always come in contact with the
wool of the skin on the platform J.

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

1. In a machine for cleaning wool on skins,
the combination, with the rotary brush A, of
the movable platform J and a suitable recep-
tacle for catching the refuse matter, substan-
20 tially as herein shown and described, and for
the purpose set forth.

2. In a machine for cleaning wool on skins,
the combination, with the rotary brush A and
the track D, of the movable platform J, having
25 its upper surface concaved transversely to its
line of travel and provided with the rack L on
its under surface, the pinion M and shaft N,
substantially as and for the purpose set forth.

3. In a machine for cleaning wool on skins,
the combination, with the rotary brush A, of 30
the movable platform J, the box C, the water-
spouts S, the box W, and a suitable receptacle
for catching the refuse matter, substantially
as herein shown and described, and for the
purpose set forth.

4. In a machine for cleaning wool on skins,
the combination, with the rotary brush A, of 35
the movable platform J, the pivoted track-
frame D for supporting the platform J, and
the apertured rod F for adjusting the track- 40
frame D, substantially as herein shown and
described, and for the purpose set forth.

5. In a machine for cleaning wool on skins,
the combination, with the rotary brush A, of 45
the movable platform J, the pivoted track-
frame D, the rack L on the under side of the
platform J, the pinion M, the shaft N, the cords
O, and the weight P, substantially as herein
shown and described, and for the purpose set
forth.

JOSEPH LAROCHE.

Witnesses:

OSCAR F. GUNZ,
C. SEDGWICK.