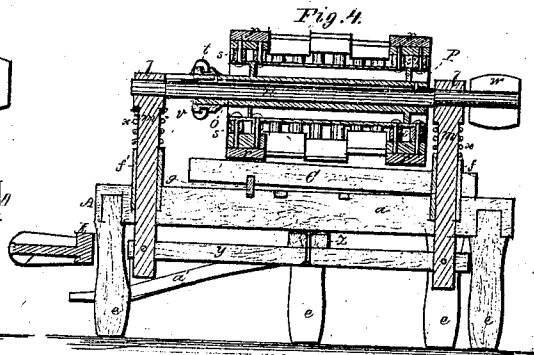
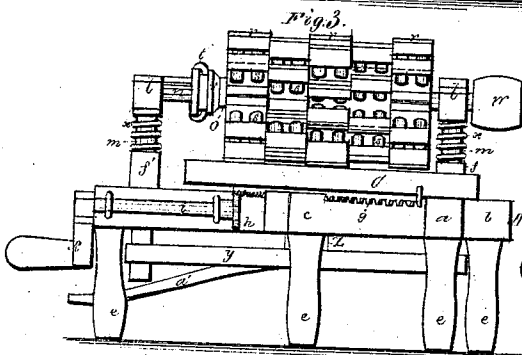
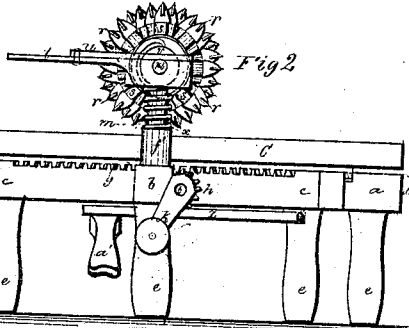
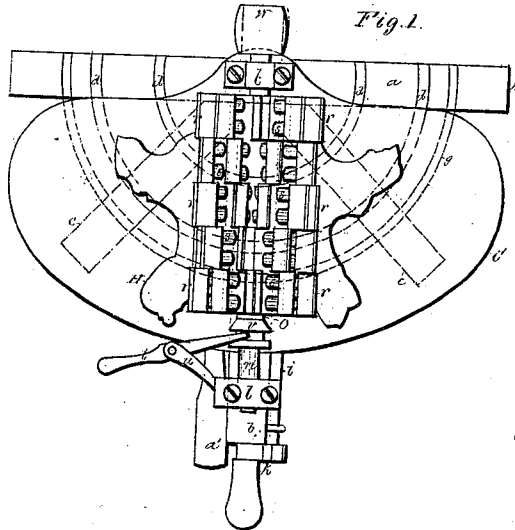


J. Taggart,

Preparing Hides.

No. 98,121.

Patented Dec. 21, 1869.



Witnesses.
S. N. Piper.
L. N. Mollen.

John Taggart
by his attorney.
R. H. Day

United States Patent Office.

JOHN TAGGART, OF MELROSE, ASSIGNOR TO HIMSELF AND WILLIS N. BRINK, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 98,121, dated December 21, 1869.

IMPROVED MACHINE FOR SCOURING, SETTING OUT, AND FINISHING HIDES OR SKINS.

The Schedule referred to in these Letters Patent and making part of the same.

To all persons to whom these presents may come:

Be it known that I, JOHN TAGGART, of Melrose, of the county of Middlesex, and State of Massachusetts, have invented a new and useful or Improved Machine for Scouring, Setting Out, and Finishing Hides or Skins; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view;
Figure 2, a front or side elevation;
Figure 3, an end elevation; and
Figure 4 is a transverse section of it.

In such drawings—

A denotes the frame for supporting the operative parts.

The said frame is composed not only of two beams or timbers *a b*, arranged at a right angle to each other, but of other or intermediate radial bars *c c*, all connected by or having a series of semicircular and concentric rails, *d d*, applied to their top surfaces.

The said frame has a series of supporting-legs, *e e e e*, arranged as represented.

There is pivoted to the frame A, at the junction of its bars *a b*, a platform, C, which, supported in the frame and the curved rails, is to be capable of being moved thereon in a curved or circular path, and on a tubular pivot, *f*.

There projects from the under side of the platform a semicircular toothed rack, *g*, which engages with a pinion, *h*, carried by a horizontal shaft, *i*.

This shaft, arranged as represented, and supported in suitable bearings, has a crank, *k*, fixed on its outer end.

By revolving the crank, the platform may be moved in either direction, forward or backward, in a curved path.

Supported above the platform, and in boxes *l l*, fixed in the upper ends of two vertical posts *m m*, is a horizontal shaft, *n*.

A sleeve or tubular shaft, *o*, encompasses the shaft *n*, and is connected therewith so as to revolve with it, and be capable of being moved endwise on it, the connection being what is termed a "feather-connection."

This hollow shaft *o* is concentric with and has fixed to it a drum, *p*, to whose outer surface several series of rubbers or slicking-tools, *r r r*, are applied, each of such tools being supported on or against one or more springs *s*.

A furcated lever, *t*, pivoted to an arm, *u*, extended

from one of the shaft-boxes, spans and enters a grooved wheel, *x*, fixed on the sleeve.

A driving-pulley, *w*, fastened on one end of the shaft *n*, serves to enable the said shaft to be revolved by means of an endless belt from a suitable motor.

The two box-posts *m m* rest on helical springs *x x*, supported on tubular guides *f f'*, through which the posts extend, such posts, at their lower ends, being connected by a bar, *y*.

A lever, *z*, resting on the middle of the said bar, is jointed to another lever or treadle, *a'*, arranged in manner as represented.

A person, with his foot on the treadle, can depress both of the posts *m m* simultaneously, so as to bring the cylinder of scourers or "setting-out" tools down upon a skin or hide when on the platform, or arranged thereon, in manner as shown at H, the springs *x x* serving, as occasion may require, to raise the cylinder out of action upon the hide.

In operating with this machine, the cylinder, when over the middle of the hide, is to be borne down upon the hide, and put in revolution. The platform should next be moved, so as to cause one-half of the hide to be carried underneath the cylinder, so as to be dressed or "set out" thereby.

Like operations are to be performed with respect to the other half of the hide, the movements of the platform and cylinder being reversed in the performance. In the meantime, endwise movements are to be imparted to the cylinder.

In this way, the hide may be "set out" or be stretched, and have the wrinkles taken out of it to great advantage.

The moving of the platform in a circular path is far better for operating on a skin or hide than would be a rectilinear movement of the platform.

I claim—

The combination and arrangement of the rotary series of slickers or tools, mechanism for revolving them, and mechanism moving them endwise, as described, with a platform, and mechanism for imparting to it reciprocating circular movements, as specified.

And, in combination therewith, the mechanism, substantially as described, for raising the tools away from and for depressing them toward the platform, as explained.

JOHN TAGGART.

Witnesses:

R. H. EDDY,
J. R. SNOW.