No. 653,276. Patented July 10, 1900.

P. R. WEISSE.

MACHINE FOR WHIPPING FURS.

(Application filed Aug. 15, 1898.)

(No Model.)

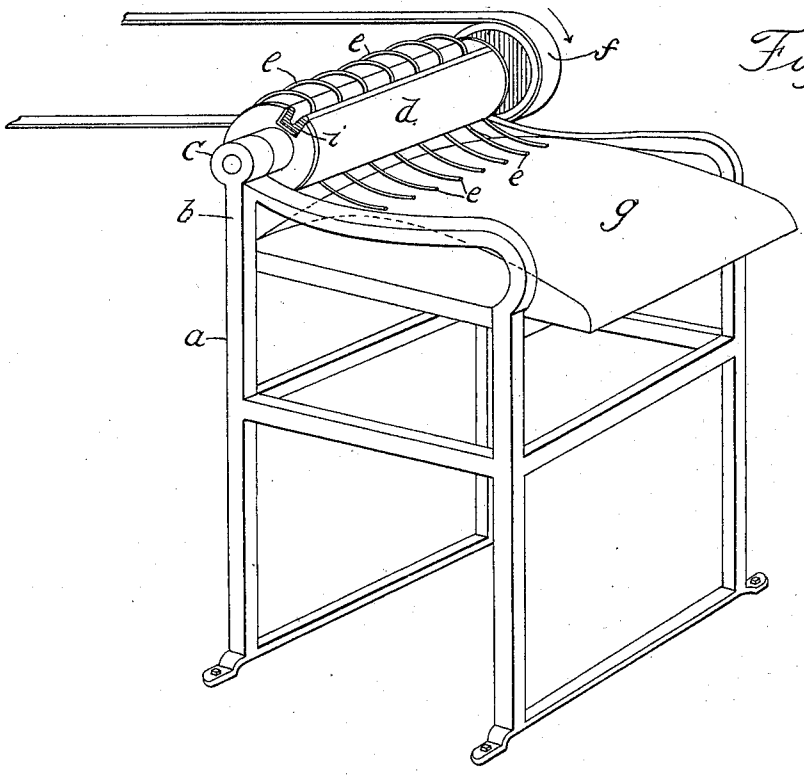


Fig. 1.

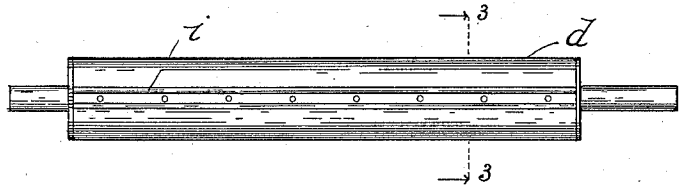


Fig. 2.

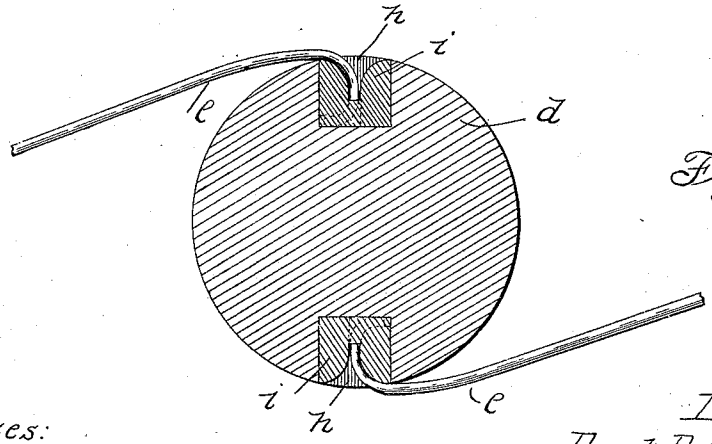


Fig. 3.

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UNITED STATES PATENT OFFICE.

PAUL R. WEISSE, OF CHICAGO, ILLINOIS.

MACHINE FOR WHIPPING FURS.

SPECIFICATION forming part of Letters Patent No. 653,276, dated July 10, 1900.

Application filed August 15, 1898. Serial No. 688,638. (No model.)

To all whom it may concern:

Be it known that I, PAUL R. WEISSE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Mode of Whipping Furs and other Materials; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and the letters of reference marked thereon.

My invention relates to whipping-machines designed primarily for furriers' use, the object being to provide an improved whipping-machine for whipping furs to destroy moths and render the furs pliable and fluffy after curing.

Machines have heretofore been devised for whipping carpets, &c., which have not met all the requirements needed in a machine for beating furs. Generally speaking, my invention comprises a standard provided with bearings, a roller or other rotatable body mounted to rotate in said bearings, a bed for supporting the fur extending beneath the roller, and a plurality of whips, preferably formed of round leather strips, mounted upon said rotating body. I preferably provide a support curved at its ends upon the bed for supporting the furs. I preferably rotate the whip-support rapidly, the whips serving to beat the fur and at the same time to feed the fur between the bed and the said support.

In order that the leather whips may not be broken at their points of attachment with the whip-support, I provide rounded edges upon the whip-support, which prevent a violent bending of the whips at their points of attachment as they are rapidly revolved, the construction being such that irrespective of the direction in which the whips are being turned with relation to their support the violent bending and the consequent breaking thereof is prevented. I preferably mount the whips in strips that are removably secured to the whip-support, recesses being provided in the latter, whereby the strips may at their outer edges be flush with the periphery of the whip-support.

I will explain my invention more particularly by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of a machine embodying the invention. Fig. 2 is a plan view of the revoluble whip-support, the whips being removed. Fig. 3 is a cross-sectional view on line 3 3 of Fig. 2, the whips being in place.

Like parts are indicated by similar letters of reference in all the views.

The standard *a* is provided with upwardly-extending arms *b*, carrying bearings *c*, affording a mounting for a whip-support *d*, which is preferably cylindrical. The whips *e* are mounted upon the whip-support in a manner to be hereinafter set forth. A pulley *f*, to which power may be applied by any suitable means, is attached to the whip-support to rotate the same. A bed or top is supported by the standard *a*, extending in this instance to a vertical plane coincident with the axis of rotation of the whip-support. A support *g* is provided upon this bed, upon which the furs are placed when they are to be whipped. The support curves from the middle downwardly to the rear and downwardly to the front toward the whip-support, whereby that portion of the surface of the fur-support opposed to the whip-support slants downwardly to assist the feeding action of the whips upon the furs.

The whips are preferably rotated at a rapid rate of speed in the direction indicated by the arrow. I provide longitudinal grooves *h* in the whip-support, in which are placed whip-retaining strips *i i*, radial holes being provided in which the whips are inserted. These retaining-strips do not extend beyond the periphery of the whip-support, but are preferably made flush therewith. The retaining-strips are provided each with a longitudinal groove whose opposed walls are curved to form a continuation of the outer surface of the whip-support, whereby sharp corners and protruding portions are eliminated, the whips in bending only coming in contact with curved surfaces, to which they readily conform in bending.

I do not wish to be limited to the precise features of construction shown, nor to a particular use of my apparatus; but,

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

1. In a beating-machine, the combination

with a standard *a*, of a rotating support, whips mounted upon said support, and a support for the articles to be beaten, curving from its highest portion downwardly toward and extending beneath the whip-support, a curved portion of the article-support being beneath and directly opposed to the whip-support substantially as described.

2. In a beating-machine, the combination with a rotatably-mounted whip-support provided with a longitudinal groove, of a retaining-strip disposed within said groove, and whips anchored in said retaining-strip, substantially as described.

3. In a beating-machine, the combination with a rotatably-mounted cylindrical whip-support provided with a longitudinal groove, of a retaining-strip disposed within said groove, said retaining-strip being provided with a longitudinal groove, whose opposed walls are curved, and whips anchored at their ends to said retaining-strip, substantially as described.

4. In a beating-machine, the combination with a rotatably-mounted whip-support provided with a longitudinal groove, of a retaining-strip disposed within said groove and made practically flush at its outer surface with said whip-support, and whips secured in said groove, substantially as described.

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