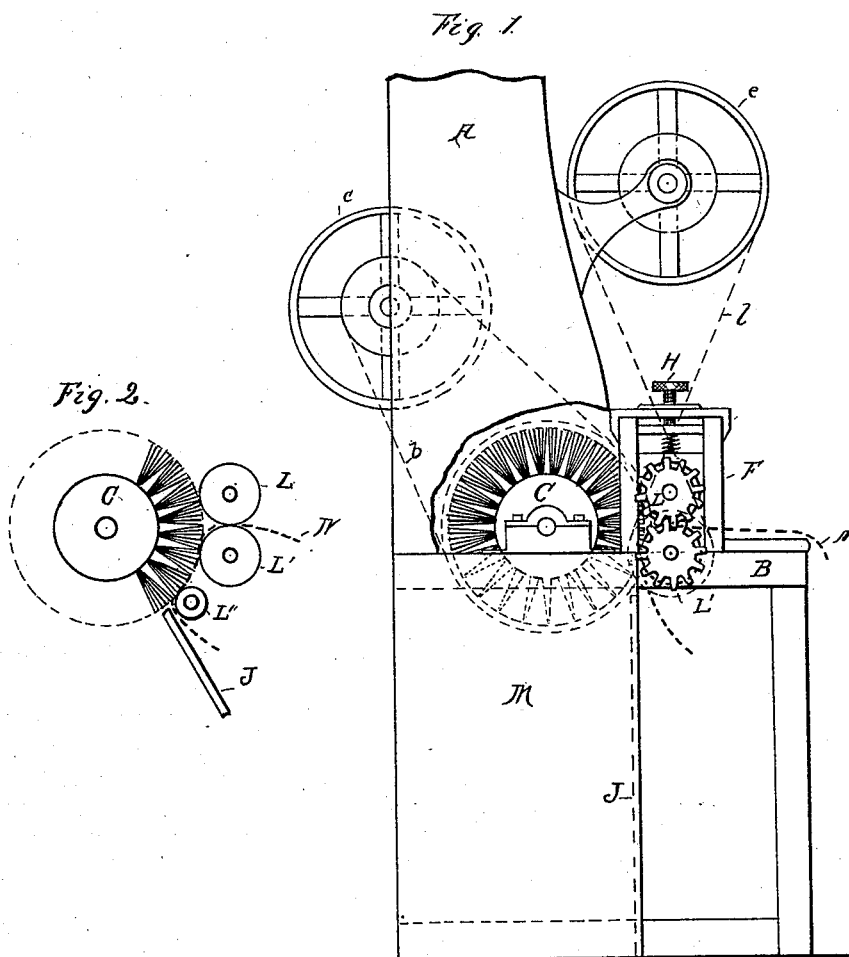


(No Model.)

F. HOSCH.
FUR ROBE CLEANING MACHINE.

No. 418,842.

Patented Jan. 7, 1890.



WITNESSES:

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FERDINAND HOSCH, OF BROOKLYN, NEW YORK.

FUR-ROBE-CLEANING MACHINE.

SPECIFICATION forming part of Letters Patent No. 418,842, dated January 7, 1890.

Application filed February 28, 1885. Serial No. 157,393. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND HOSCH, of Brooklyn, in the county of Kings and State of New York, a citizen of the United States of America, have invented certain new and useful Improvements in Machines for Cleaning Fur Robes, of which the following is a description in such full, clear, concise, and exact terms as will enable any one skilled in the art to which my invention belongs or with which it is most nearly connected to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to a new and useful machine for cleaning, brushing, and finishing fur robes; and it consists in certain novel parts and combination of parts in such machine, which will be hereinafter described and designated.

Referring to the annexed drawings, Figure 1 is a side elevation of my improved machine, parts being broken away for clearer illustration, and Fig. 2 illustrates detail parts and modifications of the same.

Supported by and journaled on a frame B is a circular brush C, to which a rotary motion is communicated from the driving-wheel c by means of a belt b. The brush C is preferably made of pieces of rattan or some similar material set close together in a circular head. Any brush of ordinary construction may be used; but by experiment I have ascertained that the best results are obtained when the "whisk" of the brush is made of pieces of rattan set very close together, and when the base or head of the brush is as large as may be to receive many such pieces of rattan.

Attached to the same frame to which the brush C is journaled is a flue A, partially covering and inclosing said brush. In the drawings, a part of this flue is broken away to expose the brush to view. The flue A is connected with a suitable chimney leading to the open air. Beneath the brush and under the flue A is situated a box M J. In front of said brush are journaled two rollers. The lower one L' is set in stationary bearings. The upper one L is set in bearings which are adjustable vertically in the frame F by means of the spring and thumb-screw H. The mo-

tion communicated to the lower roller L' is transmitted to the upper roller L by means of the cogs on the forward ends of both of these rollers. If desirable, the surfaces of the feed-rollers L and L' may be corrugated or roughened to increase their hold upon the robe.

The operation of the machine is as follows: A fur robe to be cleaned, brushed, or finished is introduced between the revolving feed-rollers just described. It is caught by them and fed forward, where it is beaten and brushed by the rapidly-revolving brush C. The front piece J of the box M J guides the robe as it advances and prevents its being caught or drawn around by the revolving brush into the interior of the machine. The inclination of the side J of the box M J with relation to the circumference of the brush, whether it stands tangentially or radially or otherwise, is totally immaterial as long as it serves to guide the robe on leaving the feed-rollers and preventing it being drawn into the interior of the machine and into the dust and dirt therein. It will be observed, therefore, that the offices performed by the board J in Fig. 1 of the drawings are twofold—it serves as one of the inclosing-sides of the box M and it also operates as a guide to control the direction of the robe N for the purposes specified. No importance is, however, attached to such double function of said board, but both of these functions accomplished by some means are essential to the perfect operation of my present machine.

Power may be applied to the lower feed-roller, as indicated above, or it may be applied to the upper, or to both, and it is immaterial which roller or that either be made adjustable.

In Fig. 2, which illustrates in detail a modification of my fur-cleaning machine, C is the brush, L and L' the feed-rollers, N the robe, and J the guide, all as hereinbefore described. Situated below the feed-rollers, and on or near the line of the circumference of the brush, is a roller, over which the robe N passes before it is turned and led away by the guide J. The object of this roller is to hold the robe in contact with the brush for a longer period of time for the purpose of more thoroughly

cleaning and brushing the robe before it is discharged from the machine. The guide J, Fig. 2, is intended to indicate not only the guide above referred to, but also the front of the box; but the box may be independent of such guide-piece, if desirable. The object of the box M, open at the top to communicate with the flue A, is to catch and confine the heavier dust brushed out of the robes and all that is not caught up and carried away by the draft of the flue A. The draft is also improved and made more efficient by confining the space through which air is admitted to the flue. The ascending draft through the flue A is caused by the rapid revolution of the brush C, and may be, if desired, increased by a fan or any suitable blast device added to the combination, as is well understood. The feed-rollers L and L' are not essential to the operation of my machine.

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

1. In a machine for cleaning fur robes, a revolving brush partially inclosed by a flue and set above a box closed at the bottom and sides and open at the top and connected with said flue and combined with feed-rollers, substantially as described.

2. In a machine for cleaning fur robes, a revolving brush partially inclosed in a flue and set above a box closed at the bottom and sides and open at the top and connected with said flue, combined with feed-rollers to feed the robe to and in front of said brush, and a guide to lead the robe subsequently away from the brush, substantially as described.

FERDINAND HOSCH.

Witnesses:

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