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PROCESS OF CLEANING FURS, FABRICS, AND THE LIKE

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Fig. 2

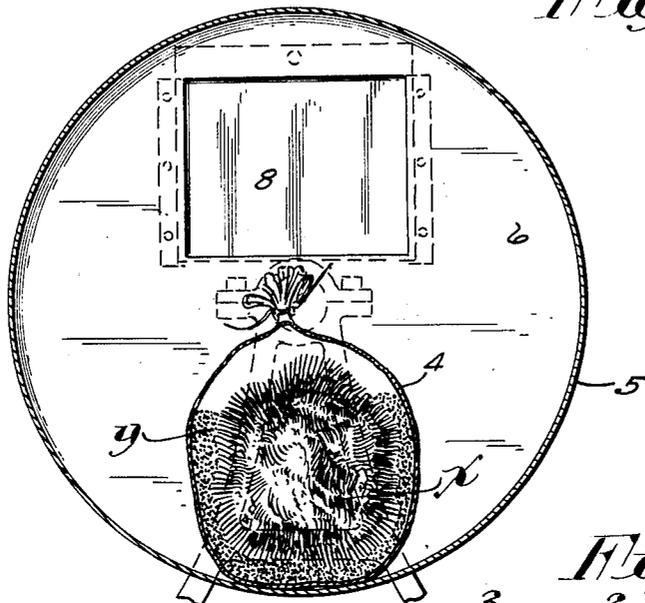


Fig. 1

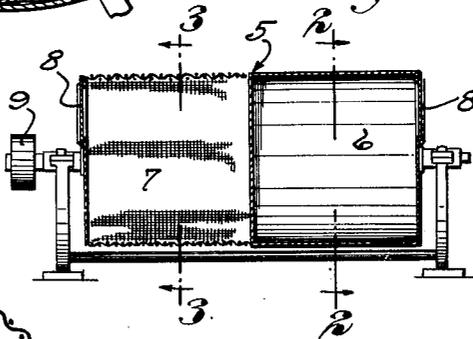
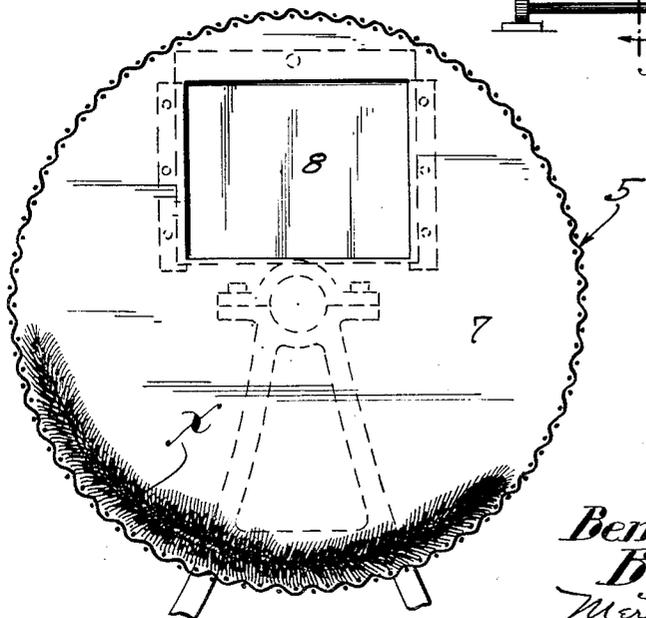


Fig. 3



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PROCESS OF CLEANING FURS, FABRICS, AND THE LIKE

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My invention relates to an improved process of cleaning furs, fabrics and similar articles and is especially well adapted for cleaning fur garments having fabric linings or fabric garments having fur linings or for cleaning rugs, robes and the like having fabric linings.

My improved process provides for the cleaning of the entire garment or article as a single unit, which not only materially reduces the amount of work and cost, but keeps the same in its original form.

In the accompanying drawings, which illustrate the apparatus for carrying out the improved process, like characters indicate like parts throughout the several views.

Referring to the drawings:

Fig. 1 is a view of a rotatable drum partly in elevation and partly in longitudinal central section;

Fig. 2 is a transverse section taken on the line 2—2 of Fig. 1, on an enlarged scale; and

Fig. 3 is a transverse section taken on the line 3—3 of Fig. 1, on an enlarged scale.

In carrying out the improved process, there is used a flexible container or bag 4 of duck or other suitable material in which a garment or article α to be cleaned is placed as an entirety. For the sake of brevity, the article will hereinafter be referred to as a fur garment.

Also placed in this bag 4 with the garment α is a given quantity of a cleaning medium preferably sawdust γ which has been previously saturated with a given quantity of cleaning fluid such as gasoline. The bag 4 is then tied and placed in a non-flexible container, as shown in the drawings, in the form of a drum 5 mounted to turn about a horizontal axis and having at one end a compartment 6 and at its other end a compartment 7. That portion of the periphery of the shell of the drum 5 forming the compartment 6 is imperforate and that portion of said shell forming the compartment 7 is perforated. The bag 4 is placed in the compartment 6. Access may be had to the two compartments 6 and 7 through normally closed door openings 8 in the heads of the drum 5. This drum 5 is rotated at the proper speed by a driven belt,

not shown, which runs over a pulley 9 on one of the trunnions of said drum.

The tumbling of the bag 4 in the compartment 6 produced by the rotation of the drum 5 causes the cleaning medium, to wit: the treated sawdust γ to thoroughly mix with the fur, enter all creases and folds in the fabric and be moved in all directions over the fur and fabric to produce a scouring action on the fur and fabric and thereby thoroughly clean the garment α .

The length of time the bag is tumbled in the compartment 6 depends upon the condition of the article to be cleaned. After the garment α has been thoroughly cleaned, the bag 4 is removed from the compartment 6 through the respective door opening 8 and the garment α removed from the bag 4. Said garment is then placed in the compartment 7 and tumbled therein under the rotation of the drum 4 a sufficient length of time to shake and remove all of the sawdust from the garment α and which sawdust is precipitated through the perforated shell of the compartment 7 and onto the floor or into a box or receptacle placed under the compartment 7 to receive the same.

The above described process has, in actual usage, proven highly efficient for the purpose had in view and the cost and work in cleaning articles of the class above referred to have been materially reduced.

It is, of course, understood, that various different kinds of cleaning fluids may be used in connection with sawdust or any other cleaning medium.

What I claim is:

1. The process of cleaning consisting in confining an article within a limited space with a bath of sawdust saturated with a cleaning material, tumbling within a larger space said confined article and sawdust to cause distortion of the article and intimate contact thereof with the sawdust, and in thereafter removing said article from the sawdust bath and removing the adhering sawdust.

2. The process of cleaning consisting in confining an article within a limited space with a bath of sawdust saturated with a cleaning material, tumbling within a larger

space said confined article and sawdust to
cause distortion of the article and intimate
contact thereof with the sawdust, and in
thereafter removing said article from the saw-
dust bath and tumbling it in said larger space
5 to remove the adhering sawdust.

In testimony whereof I affix my signature.
BENJAMIN M. SAVITT.

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