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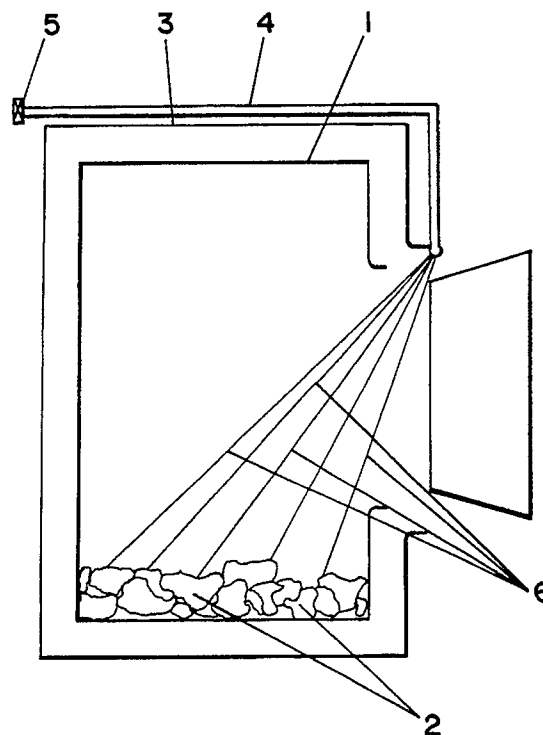
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54 **Improved soaking system for washing machines.**

57 It consists of injecting a blast of water on the clothes, at the same time that the drum turns during washing, causing a quick and effective soaking.



IMPROVED SOAKING SYSTEM FOR WASHING MACHINES

Object of the invention

The following patent, as is expressed in the title of the present specification, consists of an improved soaking system for washing machines, by means of which a better and quicker soaking of clothes located inside the drum is obtained.

The object of the invention is to introduce a blast of clean water to cause a more effective soaking of the clothes during the normal rotation of the drum.

Background of the invention

Conventional soaking of clothes located in the inside of the drum of an automatic washing machine is done by introducing a level of water in the tank that wets the clothes and turning the drum in one direction and then the other, alternatively.

This method is slow and tends to cause some clothes from not becoming truly soaked.

Likewise, another process, for effecting the soaking of the clothes contained in the drum of an automatic washing machine, consists of making the water of the bath in which the clothes are for their soaking, of the bottom part of the tank be taken to the top part of the drum, like a flush wheel, and then falling again on the clothes, thus accelerating the soaking of the clothes.

This technique improves the previous one but is not entirely satisfactory.

Description of the invention

The improved system that the present specification proposes for effecting the soaking of clothes located in the inside of the drum of an automatic washing machine, consists of injecting a blast of clean water from the normal feed for washing upon the clothes at the same time that the drum is rotating for washing, causing a more effective and quicker soaking.

The inlet duct of water to the drum is connected to the electrovalve which is controlled by the program of the machine.

The injection of a blast of water against the soaked clothes causes the washing to improve and the time there of to reduce, which represents greater effectiveness thereof and a lower cost.

In order to complete the description that is

going to be made hereinafter and for the purpose of providing a better understanding of the features thereof, the present specification is accompanied by a diagram in whose sole figure the most significant details of the invention are represented.

Brief description of the design

Figure 1.- It shows a sectional view according to a longitudinal section of the drum and the tank of an automatic washing machine, with the injection duct of a blast of water on the soaked clothes.

Description of a preferred embodiment

In view of the commented figure, and in accordance with the numbering used, we can see how in the inside of the drum (1) of the automatic washing machine, the clothes (2) to be washed are placed and the drum is surrounded by the tank (3.)

The duct (4), connected with the electrovalve (5), controlled by the program of the machine, injects a blast of water (6) against the soaked clothes (2), effecting a more effective soaking in less time, which represents an economic savings and less damage to the fabrics.

This injection, in an open circuit, of clean water upon the clothes (2) to be washed with the drum (1) rotating normally, accelerates and improves the washing process. Said injection can be done from any point towards the inside of the drum (1.)

Claims

1.- Improved soaking system for washing machines, useful to replace conventional soaking done by immersion or in a closed circuit, essentially characterized because a duct (4) which injects a blast of water (6), in an open circuit, during the normal rotation of the drum (1), leads into the drum (1.)

