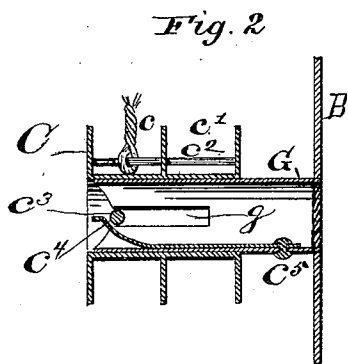
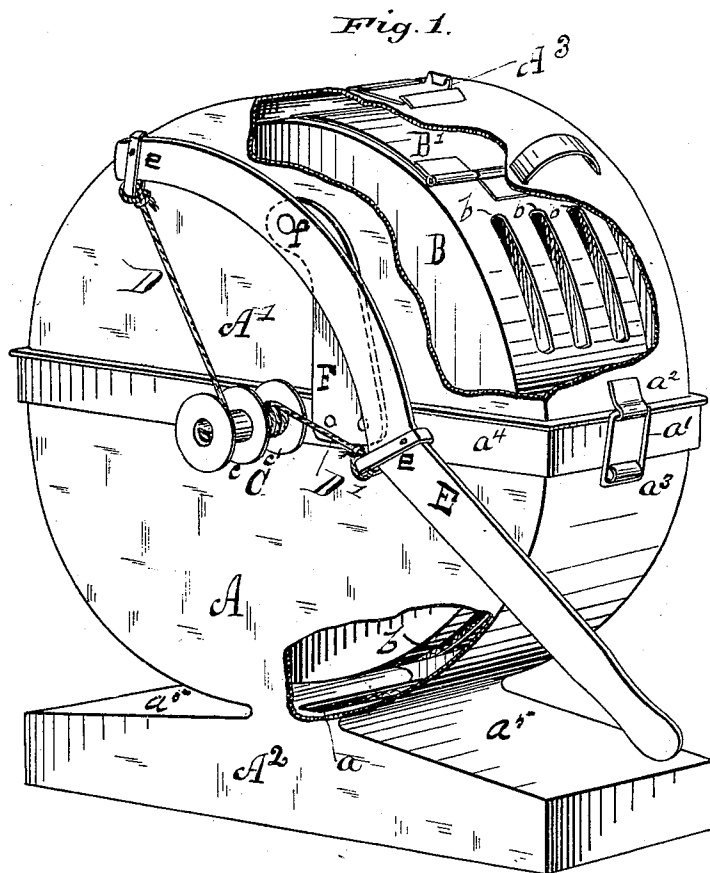


(Model.)

G. W. GLICK.
WASHING MACHINE.

No. 258,409.

Patented May 23, 1882.



Witnesses:
E. B. Stocking
for G. W. Glick.

Inventor:
G. W. Glick
H. H. H. H.

UNITED STATES PATENT OFFICE.

GEORGE W. GLICK, OF PARIS, ASSIGNOR OF ONE-THIRD TO CHARLES A. MINOR, OF EDGAR, ILLINOIS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 258,409, dated May 23, 1882.

Application filed January 19, 1882. (Model.)

To all whom it may concern:

Be it known that I, GEORGE W. GLICK, a citizen of the United States of America, residing at Paris, in the county of Edgar and State of Illinois, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to

10 which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

15 My invention relates to that class of washing-machines in which the direct contact of steam is the sole means of cleansing fabrics submitted to the operation, and in which said fabrics or clothes are subjected to the action of an oscillating or partially or completely rotating inclosing case or cylinder while exposed to the steam produced in the bottom of an outer containing case and conducted from said bottom to and within said rotating cylinder; and my invention consists in an arrangement and combination of devices, hereinafter fully described, and specifically set forth in the claims.

Figure 1 is a perspective of a machine embodying my invention, and showing some portions of the outer case removed or broken away to more clearly exhibit the internal construction of the same; and Fig. 2 is a detail, hereinafter described.

35 Like letters refer to like parts in both figures.

A, A', and A² represent respectively the central, upper, and lower portions of an outer case adapted to support an inner cylinder, B, by a shaft, G, Fig. 2, attached thereto and running in bearings formed in the central portion, A, and in a strengthening-band, a⁴, surrounding said portion, as shown. The portion A' constitutes a cover, removably attached to the central portion by means of loops a', secured to the cover at a² in such manner that the said loops may be turned as a hinge, and removably secured by a lug, a³, suitably located on the central portion of the case. The cover A' is provided

with a vent, which is closed or opened, as desired, by the cover thereto, (shown at A³.) The inner cylinder, B, is provided with a cover, B', suitably attached thereto by hinges, and provided with suitable fastenings—such as a'—(not shown) and is circumferentially slotted, as shown at b b b. The central portion, A, of the case is separated from the bottom portion, A², by a partition slotted as shown at a, and at its upper edge is provided with a bracket, F, to which, at f, is pivotally secured a lever, E, provided with means—for instance, loops e e—for the attachment thereto of cords D D', which are wound in opposite directions about the pulley C, which is divided into two compartments or portions, (one for each of said cords,) and has a longitudinal rod, c², to which said cords are attached. The pulley is also provided with a transverse bar, c³, which passes through a slot, g, in the shaft G, and is retained therein by the spring-catch c⁴, secured to said shaft at c⁵.

The outer case is herein shown as mainly cylindrical in form, and the bottom portion is joined thereto at the apex of its slanting top a⁵ a⁵, which serves to lead the steam to the orifice a and to conduct the water of condensation upon the inner surface of said top directly back to the main body of water therein, while the water formed by the condensation of the steam within the cases A and B is readily returned to the bottom portion by reason of the cylindrical form.

The operation of my invention is as follows: The bottom portion, A², is partially filled with water. The fabrics or clothes to be cleaned are placed within case B, and the covers B', A', and A³ being closed, and the water heated to form steam, said steam rises (through apertures a and b b) into and around case B, when the lever E is depressed at its longer arm, and this unwinds the cord or belt D from division c of pulley C and winds cord or belt D' around division c' of the pulley, which causes the shaft and the case B to rotate in one direction, and by the same movements reversed (by lifting the longer arm of lever E) said case is rotated in the opposite direction, by which means the fabrics or clothes therein are rolled and

tumbled, so that all portions thereof are thoroughly subjected to the action of the steam. This is continued for a desired time, when cover A³ is opened to allow the confined and accumulated steam to escape in order to avoid scalding the user's hands when opening the main case A by removing the cover A'. The longer the clothes are kept confined in case B the greater the pressure of the steam becomes and the more effective is it in its action.

Soaps and other compositions may be used, if desired.

In removing case B from the outer case the pulley C is removed from shaft G by withdrawing it longitudinally from the shaft, spring-catch c⁴ permitting said withdrawal.

Having described my invention and its operation, what I claim as new, and desire to secure by Letters Patent, is—

1. The case A A', cylindrical in form, attached to the apex of the slanting top a⁵ a⁵ of the bottom portion, A², and separated therefrom by a slotted partition, substantially as shown and described.

2. The combination of a slotted internal case, B, adapted to be rotated, an outer cylindrical case, A A', adapted to support the rotative inner case, B, and secured to the apex of the slanting top a⁵ a⁵ of the bottom portion, A², and separated therefrom by a slotted partition, with means for rotating said inner case, all substantially as shown and described.

In testimony whereof I have affixed my signature in presence of two witnesses.

GEORGE W. GLICK.

Witnesses:

CHAS. LEVINGS,
C. N. JAQUITH.