

(No Model.)

H. Q. HOOD.  
WASHING MACHINE.

No. 506,505.

Patented Oct. 10, 1893.

Fig. 1.

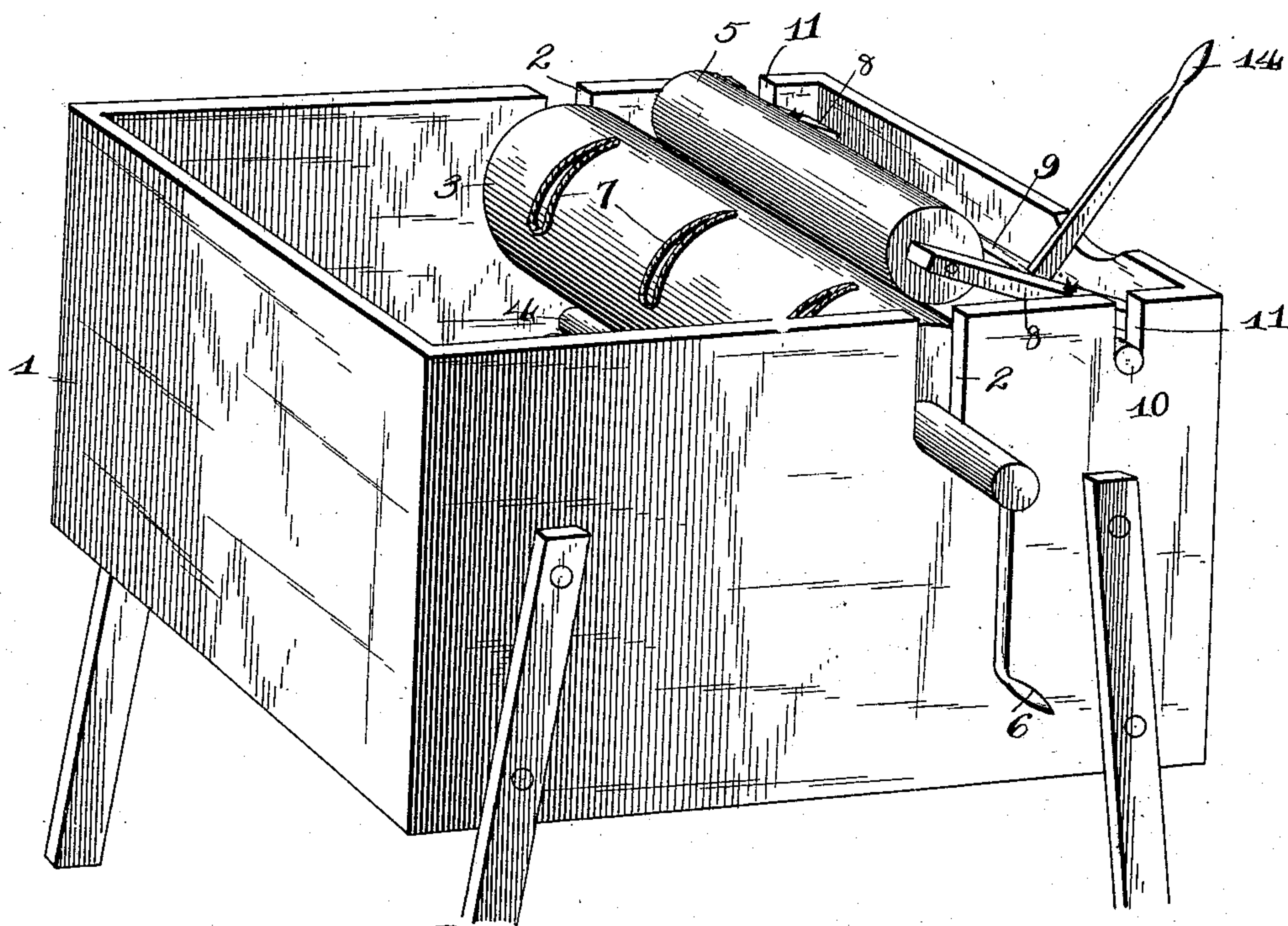
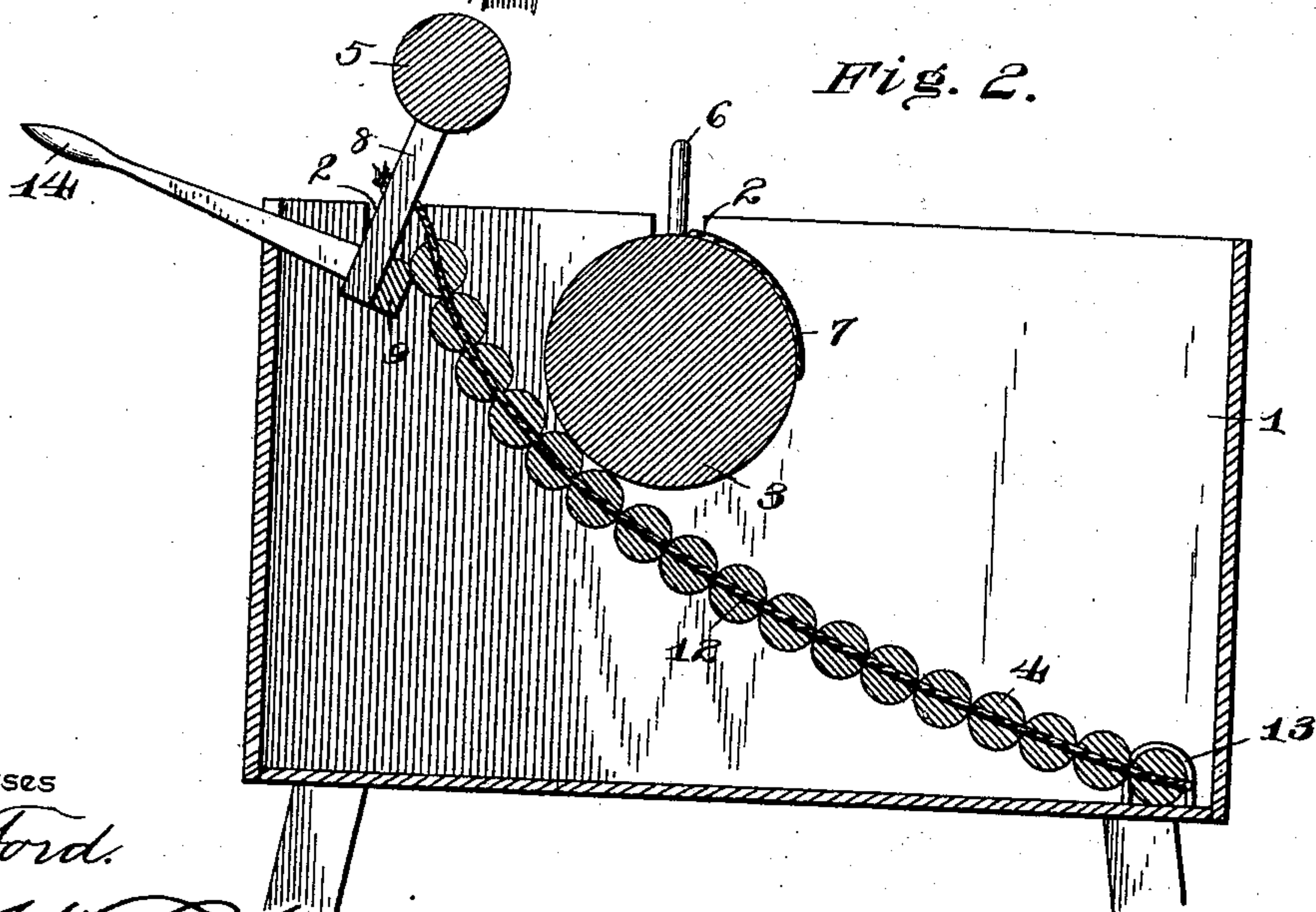


Fig. 2.



Witnesses

C. A. Ford.

Inventor

By his Attorneys,

Hiram Q. Hood

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# UNITED STATES PATENT OFFICE.

HIRAM Q. HOOD, OF WEBB CITY, MISSOURI, ASSIGNOR OF ONE-HALF TO  
ANDREW J. JENNI, OF SAME PLACE.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 506,505, dated October 10, 1893.

Application filed December 5, 1892. Serial No. 454,148. (No model.)

*To all whom it may concern:*

Be it known that I, HIRAM Q. HOOD, a citizen of the United States, residing at Webb City, in the county of Jasper and State of Missouri, have invented a new and useful Improvement in Washing-Machines, of which the following is a specification.

The invention relates to improvements in washing machines.

The object of the present invention is to provide a combined washer and wringer adapted to be readily and quickly changed from one to the other, whereby clothes may be washed, and may after washing be passed through the wringer without handling the clothes or changing their position.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

In the drawings—Figure 1 is a perspective view of a washing machine embodying the invention, the wringer roll being in contact with the clothes carrying roll. Fig. 2 is a longitudinal sectional view, the wringer roll being raised to bring the flexible wash-board against the clothes carrying roll.

Like numerals of reference indicate corresponding parts in both the figures of the drawings.

1 designates a washing machine body or suds box having removably journaled in bearing recesses 2 of its sides a clothes carrying roll 3, which is adapted to operate in connection with a wash-board 4, and a wringer roll 5 in order that clothes after being washed may be readily passed through a wringer. The clothes carrying roll has one of its journals extended and provided with a handle 6, and it is provided on its periphery with series of clothes holding loops or stirrups 7, whereby clothes are attached to the roll, and are carried in contact with the wash-board and the wringer roll without necessitating the operator handling the clothes after the latter have been placed in the loops or stirrups until they are removed therefrom.

The wringer or squeezing roll 5 is journaled between arms 8 of a frame 9 which is provided with journals 10 and the latter are ar-

ranged in bearing recesses 11 and serve to fulcrum the frame, in order that the wringer roll 5, which is located above the clothes carrying roll 3, may be lifted out of contact with the latter while clothes are being washed.

The wash-board 4 is flexible; it is arranged in substantially an inclined position beneath the clothes carrying roll with its lower end fastened to the bottom of the washing machine body, and its upper end secured to the arms of the bell-crank lever frame, or rock shaft, and it is composed of a series of cylindrical bars, whereby it is reversible. The cylindrical bars are provided near their ends with perforations, and are connected by a continuous wire or cord 12 which passes through the perforation and around the lower end of the wash-board, and has its ends secured to the arms 8 of the frame. The end bar at the lower end of the wash-board, has its ends arranged in clips 13, whereby the wash-board is fastened to the washing machine body.

The frame 9, which is fulcrumed between the sides of the washing machine body, operates as a bell-crank lever fulcrumed at its angle and is provided near one end with a handle 14, to enable the frame to be tilted, whereby the wringer roll may be lifted above the clothes carrying roll, thereby simultaneously raising the wash-board, and bringing the same in operative position against the clothes carrying roll. The handle 14 also enables the pressure on the clothes to be regulated both during the operation of washing and wringing.

It will be seen that the washing machine is exceedingly simple and comparatively inexpensive in construction, that it is adapted to be readily arranged either for washing or wringing clothes, and that the pressure may be regulated in a simple and effective manner during both the operation of washing and wringing.

I desire it to be understood that changes in the form proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

1. In a washing machine, the combination with a body, a clothes carrying roll journaled

therein, a squeezing roll arranged above the clothes carrying roll, and a wash-board located below the clothes carrying roll, of a lever frame carrying the squeezing roll and the wash-board and fulcrumed on the body and adapted to be shifted to bring either the squeezing roll or the wash-board in contact with the clothes carrying roll, substantially as described.

10 2. In a washing machine, a suds box, a clothes carrying roll journaled therein, a rock-shaft journaled in the suds box and provided with a handle and with arms having a squeezing roll journaled therein, and a flexible wash-  
15 board located below the clothes carrying roll

and having one of its ends secured to the suds box and having its other end secured to the arms that carry the squeezing roll at a point between said roll and the rock-shaft, whereby either the squeezing roll or the wash-board 20 can be brought into relative position with the clothes-carrying roll, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 25 the presence of two witnesses.

HIRAM Q. HOOD.

Witnesses:

S. NILSON,

ELMER WINCHEL.