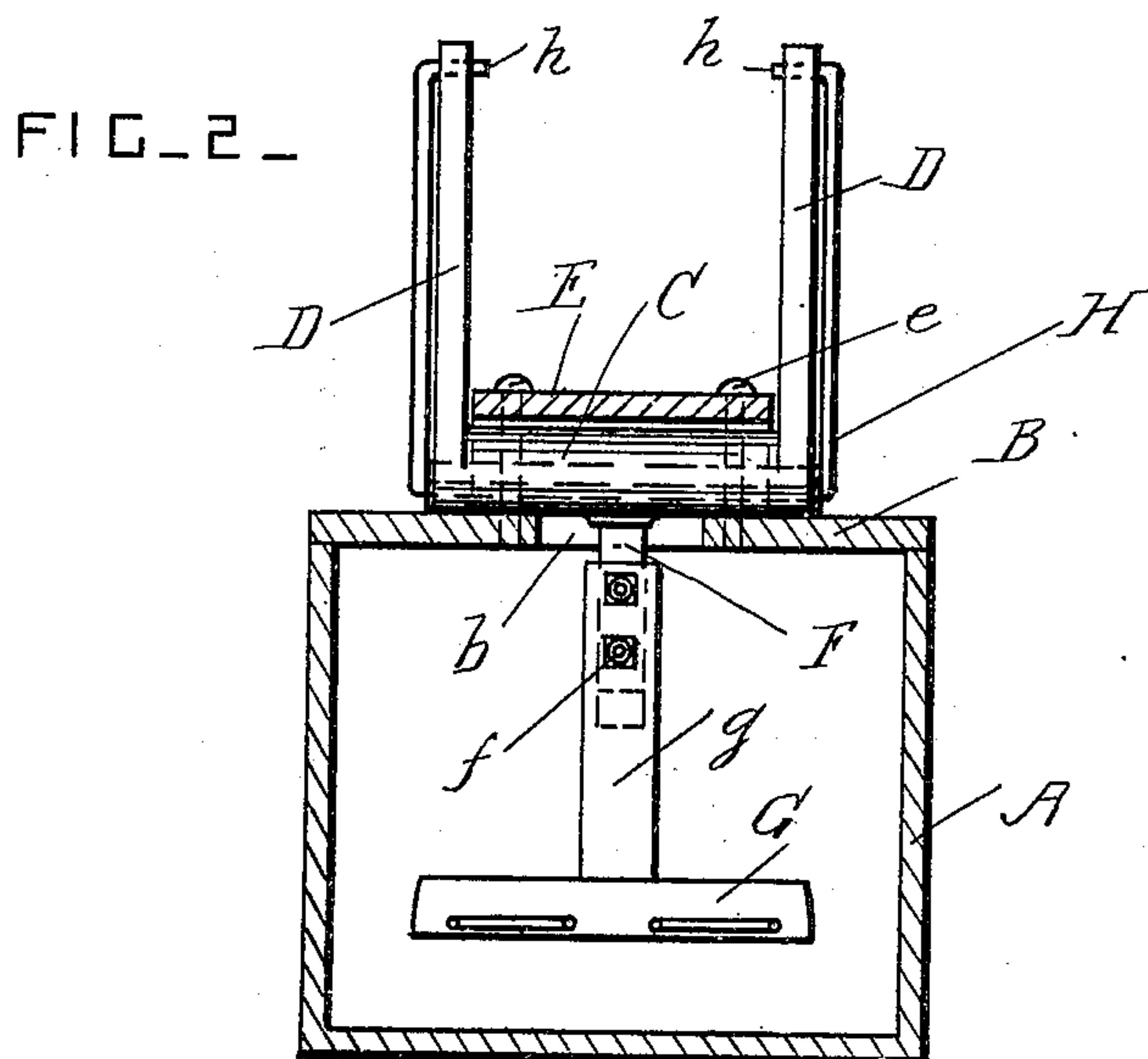
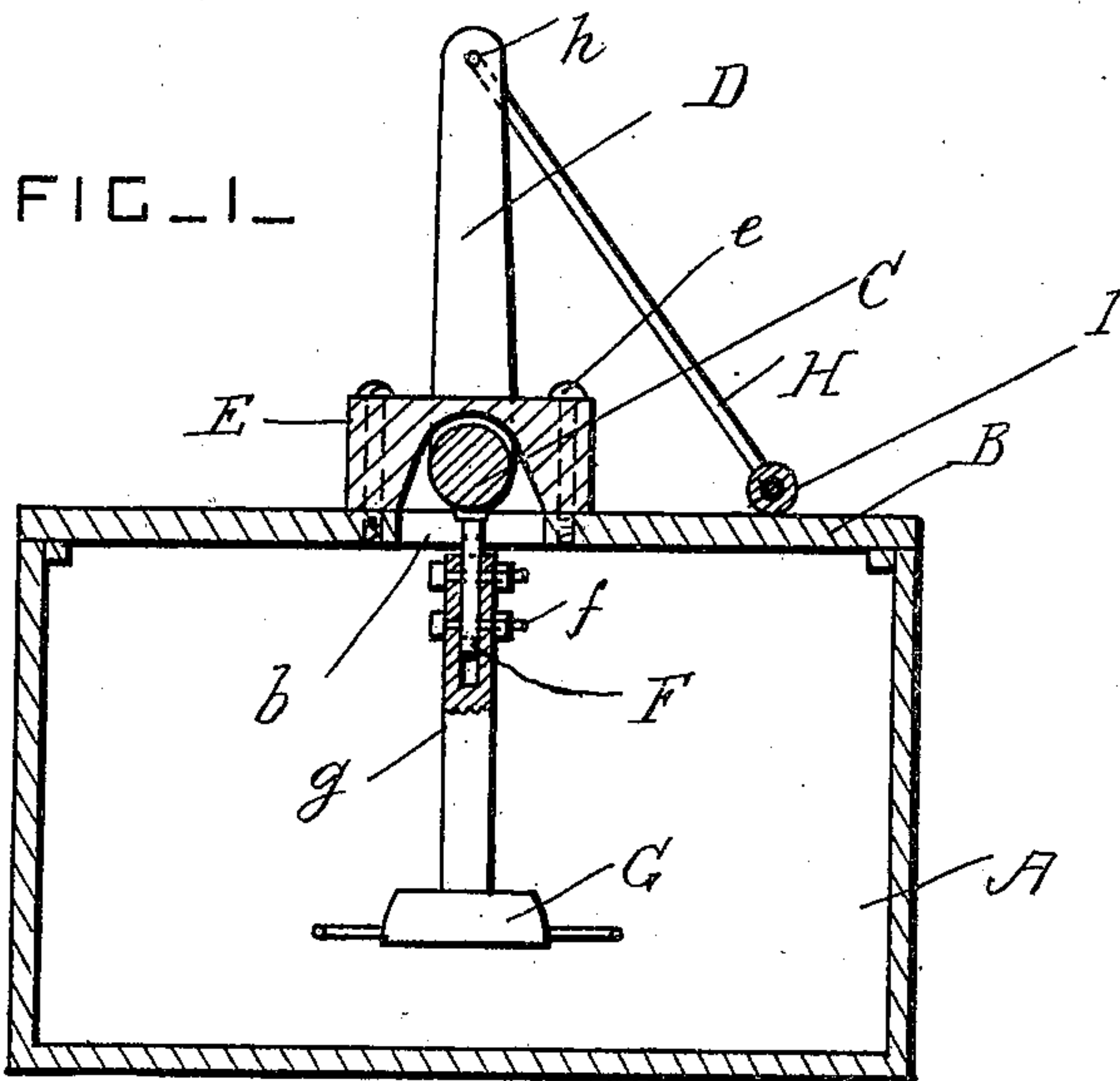


R. J. POLLARD.
WASHING MACHINE.
APPLICATION FILED AUG. 13, 1908.

921,885.

Patented May 18, 1909.



WITNESSES:

G. L. Bule.

J. W. Minter.

INVENTOR

Richard J. Pollard.

BY

Herbert W. Jenner.

Attorney

UNITED STATES PATENT OFFICE.

RICHARD J. POLLARD, OF MERRILL, IOWA.

WASHING-MACHINE.

No. 921,885.

Specification of Letters Patent.

Patented May 18, 1909.

Application filed August 13, 1908. Serial No. 448,356.

To all whom it may concern:

Be it known that I, RICHARD J. POLLARD, a citizen of the United States, residing at Merrill, in the county of Plymouth and State of Iowa, 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 which it appertains to make and use the same.

This invention relates to washing-machines provided with reciprocating wash - blocks; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a vertical section through the tub of a washing-machine provided with actuating mechanism according to this invention. Fig. 2 is a side view of the actuating mechanism turned around one-quarter from the position shown in Fig. 1.

A is the tub of a washing-machine of any approved form and construction. The lid of the tub is formed of a flat plate B having a hole *b* over the central portion of the tub.

C is a roller which rests on the flat plate B over the opening *b*, and which is provided at each end with an arm D.

E is a trough-shaped cap which is secured to the plate B, over the roller C and between the two arms D, by means of screws *e* or other suitable fastening devices.

F is a stem which projects downwardly through the hole *b* from the middle part of the roller C.

G is a wash-block of any approved construction provided with a sleeve *g* at its upper end which is slidable over the stem F. The position of the wash-block may be adjusted by sliding it on the stem, and *f* are two bolts for securing the two parts together.

H is a bail the end portions *h* of which are pivoted to the free end portions of the arms D, and I is a tubular handle mounted on the middle portion of the bail.

This actuating mechanism can be applied to any washing-machine provided with a reciprocating wash - block. The roller rolls upon the flat surface of the plate or lid outside the tub, and on account of the small frictional resistance the work of washing clothes in the tub is very materially lessened.

What I claim is:

1. In a washing-machine, the combination, with a tub, of a supporting-plate at the upper part of the tub provided with a hole, a roller which rolls on the surface of the said plate at the ends of the said hole, operating-arms projecting from the ends of the said roller, a retaining-cap secured to the said plate over the said roller between the said arms and closing the said hole, and a wash-block operatively connected with the said roller.

2. In a washing-machine, the combination, with a tub, of a supporting-plate at the upper part of the tub provided with a hole, a roller which rolls on the surface of the said plate, means for rocking the said roller, a cap secured to the said plate over the middle part of the said roller and closing the said hole and limiting the movement of the roller, a wash-block working in the said tub, and a connection between the said roller and the said wash-block extending through the said hole.

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

RICHARD J. POLLARD.

Witnesses:

CHARLOTTE POLLARD,
J. G. PRITCHARD.