

No. 680,987.

Patented Aug. 20, 1901.

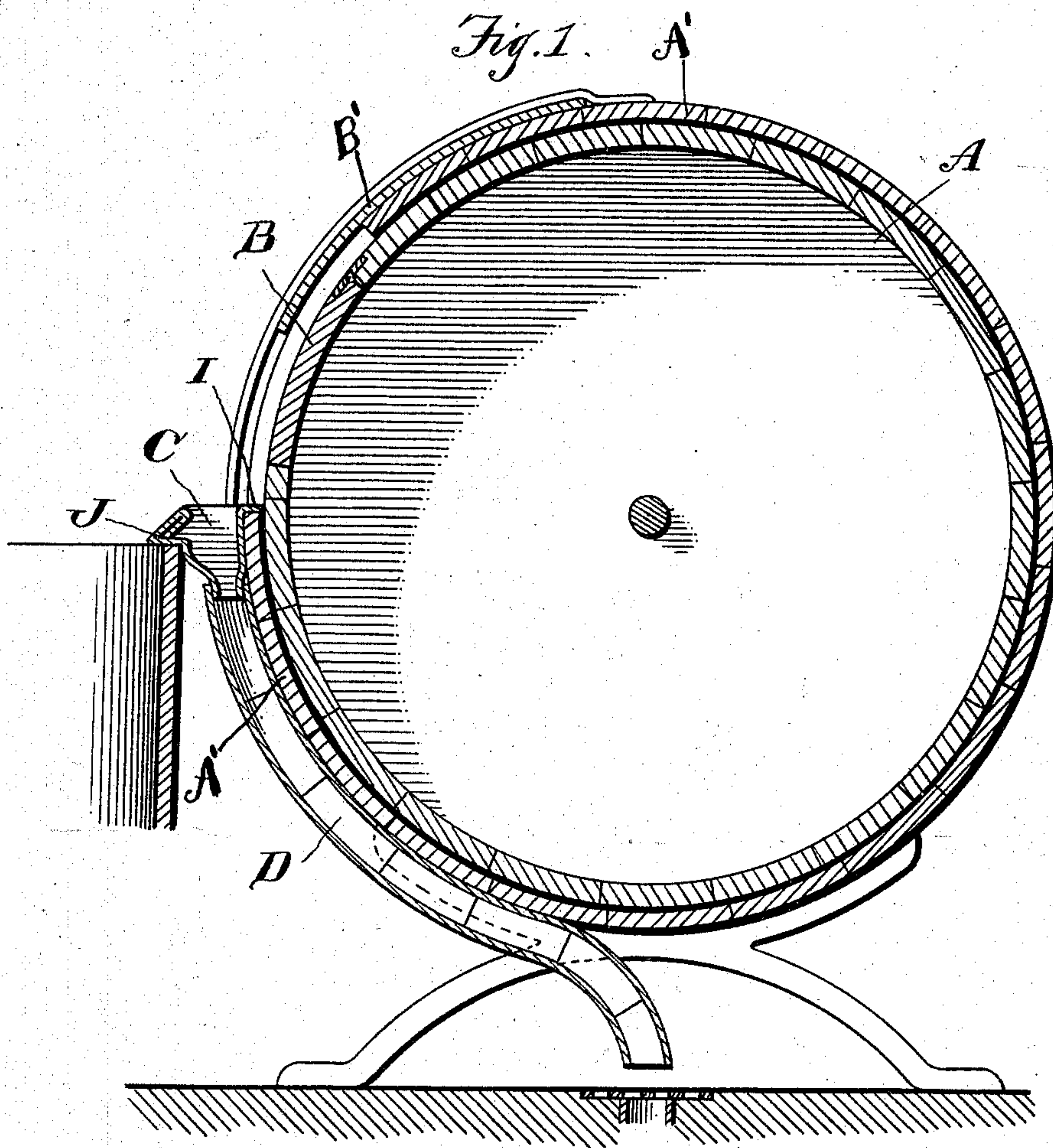
G. A. STEINER.

ATTACHMENT FOR WASHING MACHINES.

(Application filed Oct. 22, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses
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att'y

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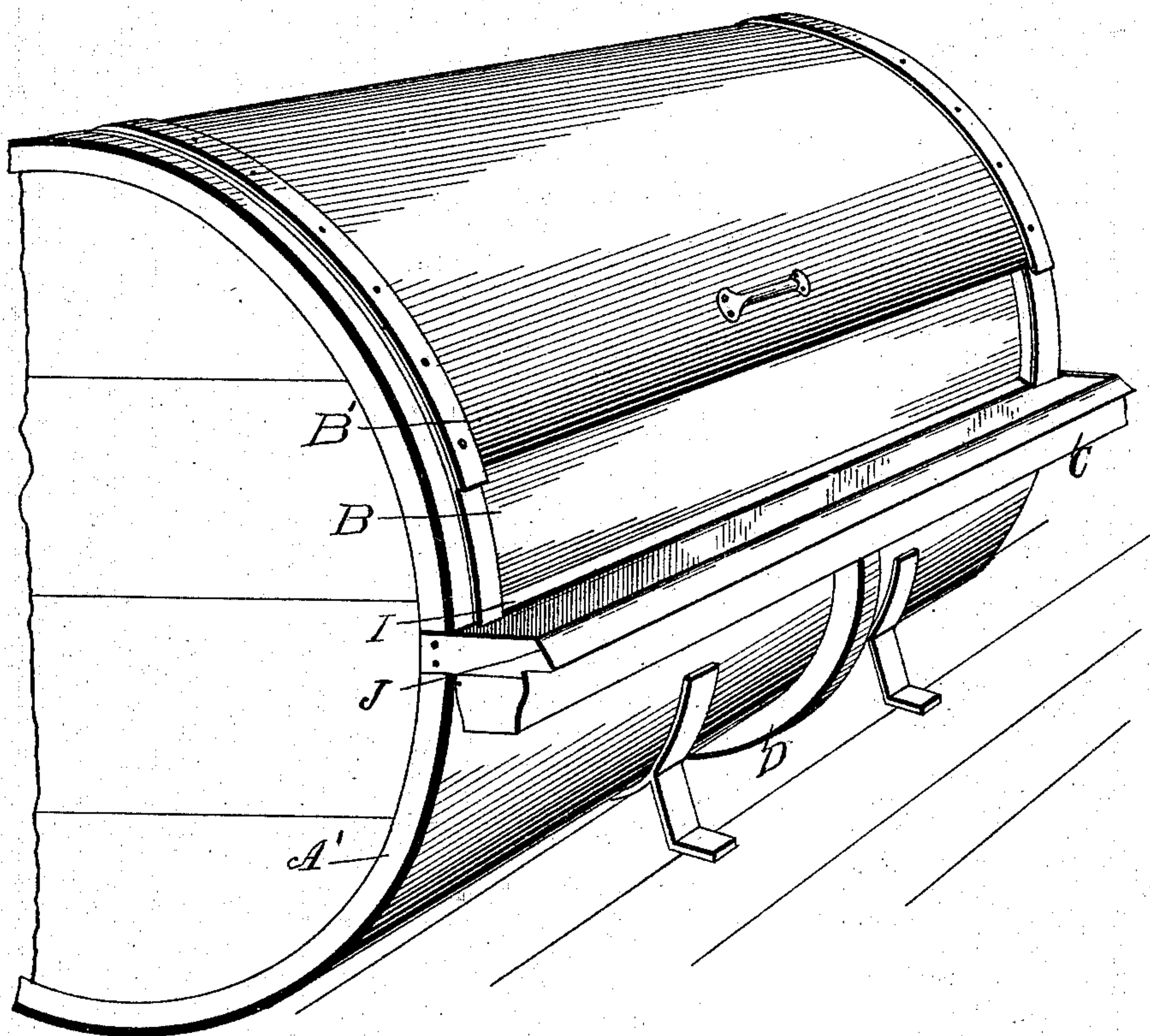
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(No Model.)

2 Sheets—Sheet 2.

Fig. 2.



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UNITED STATES PATENT OFFICE.

GEORGE ADOLPH STEINER, OF SALT LAKE CITY, UTAH.

ATTACHMENT FOR WASHING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 680,987, dated August 20, 1901.

Application filed October 22, 1900. Serial No. 33,964. (No model.)

To all whom it may concern:

Be it known that I, GEORGE ADOLPH STEINER, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Attachments for 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.

My invention relates to an attachment for washing-machines, and has for its object the attachment of a removable trough to the side of the washing-machine to catch the surplus suds that come from the machine during the operation of washing and to so shape the outer side of the trough that it will fit over the edge of the tub used to receive the wet clean clothes as they are taken from the washing-machine and which prevents the water from dripping upon the floor.

My invention consists in a washing-machine combined with a removable trough, which is applied to the lower edge of the opening through which the clothes are placed in the machine and removed therefrom, and which trough catches the suds forced from the machine while the washing of the clothes is taking place, and which trough has its outer side made V-shaped, so as to prevent water from the clean wet clothes from dripping upon the floor, and means connected to the trough for conducting the overflow of suds to the sewer or other receptacle, all of which will be more fully described hereinafter.

In the accompanying drawings, Figure 1 represents a vertical section of a washing-machine to which my invention is applied. Fig. 2 is a perspective of a washing-machine with my improvement applied thereto.

A represents the interior revolving cylinder of a washing-machine, and A' the outer stationary casing inclosing the revolving cylinder, and which cylinder is provided with the usual door B for inserting and removing the clothes. The outer casing is provided with a sliding door B', and as the cylinder revolves the surplus suds are constantly leaking through the openings in the cylinder and the

casing, and these suds running upon the floor keep it always wet and disagreeable. In order to avoid this trouble, I attach to the lower edge of the opening in the casing the removable trough C, which extends the full length of the opening and into which the suds as they escape from the machine flow. Connected to the bottom of this trough is a pipe D, which preferably conforms to the shape of the washing-machine and is connected at its lower end to the sewer if the machine is stationary, or discharges into a receptacle placed below it if the machine is movable. Along the inner edge of the trough is a flange I, which fits tightly over the lower edge of the opening through which the suds escape, so as to help form both a support for the trough and to make a tight joint, so that the suds will not escape between the side of the tub and the inner side of the trough.

The shape of the trough is immaterial; but its outer upper side J is preferably made V-shaped, and the top of this V-shaped side is inclined outwardly and downwardly, so that any water dripping from the clean wet clothes which are being removed from the machine will fall into the tub placed to receive the clothes. This V-shaped side projects outwardly over the top and causes any water falling upon it to be carried outwardly into the tub instead of running down the side of the trough upon the floor, as it would do if no projecting V-shaped side like what is here shown were used. This trough may be attached to the washing-machine, so as to be a permanent part thereof, or may be made as a separate attachment to be applied to the washing-machine, as may be preferred. An attachment of this nature serves to keep the wash-room dry by catching all of the suds forced from the tub and by catching the water which drips from the clothes as they are removed from the machine after having been washed.

Having thus described my invention, I claim—

1. In an attachment for a washing-machine, a trough attached to the opening in the outer casing and having an annular projection near the top of its outer side, and means connected with the bottom of the trough for conveying

away the surplus suds, substantially as shown and described.

2. In an attachment for washing-machines, a trough attached to the opening in the outer casing and provided with an angular projection near the top of its outer side, the top of the angular projection being inclined downwardly and the bottom disposed in a horizon-

tal plane, and a pipe connected to the trough for conveying away the suds. 10

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

GEORGE ADOLPH STEINER.

Witnesses:

MARITTA BURNHAM,
JOHN F. CORKER.