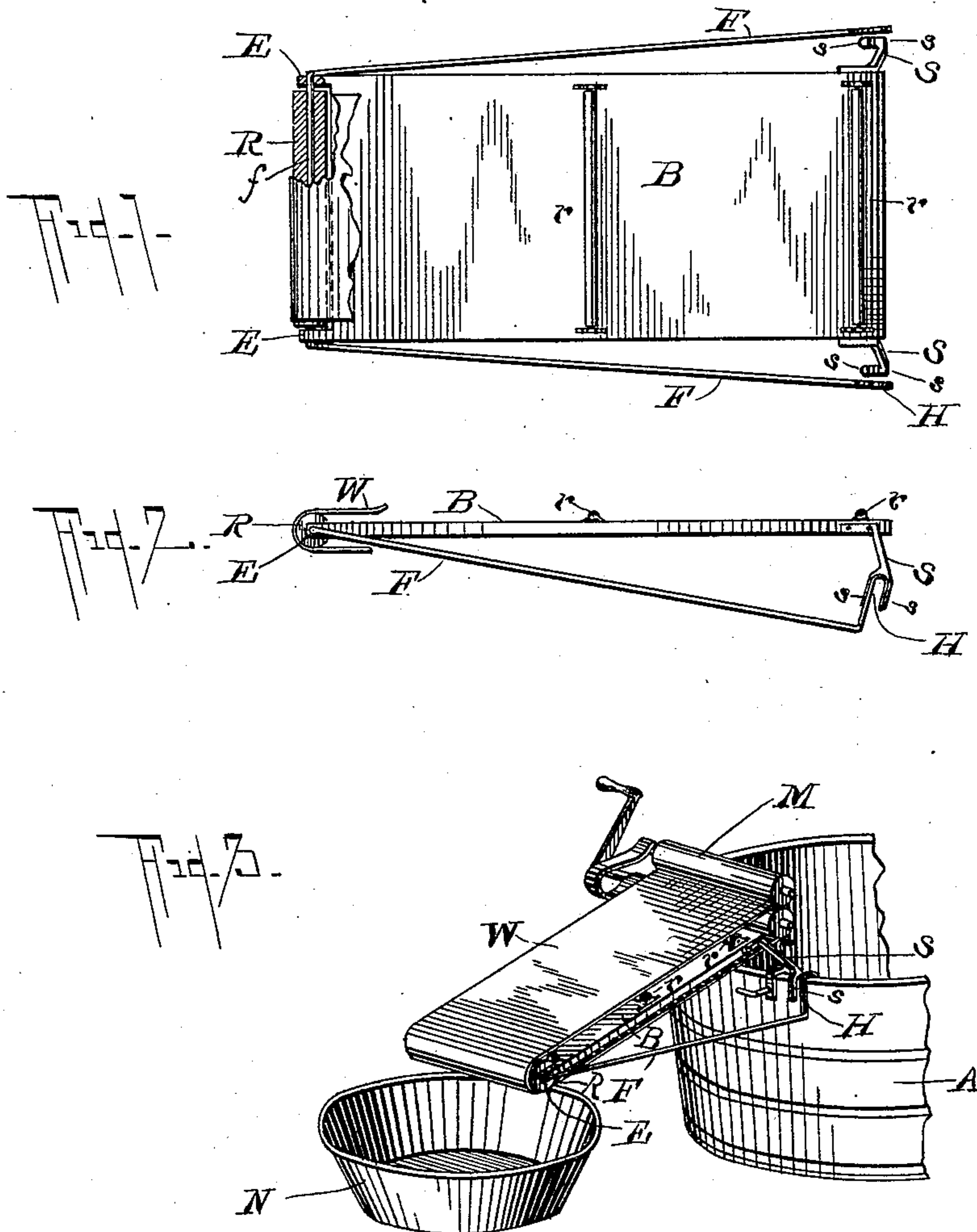


(No Model.)

J. F. ERVIN.
LAUNDRY CONVEYER.

No. 465,253.

Patented Dec. 15, 1891.



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JOSEPH F. ERVIN, OF FORT WAYNE, INDIANA.

LAUNDRY CONVEYER.

SPECIFICATION forming part of Letters Patent No. 465,253, dated December 15, 1891.

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To all whom it may concern:

Be it known that I, JOSEPH F. ERVIN, a citizen of the United States, residing at the city of Fort Wayne, in the county of Allen, in the State of Indiana, have invented certain new and useful Improvements in Laundry Conveyers; 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 improvements in attachments to suds-vessels and wringers used in laundry work; and its objects are to provide improved devices for conveying clothes as they are discharged from between the rolls of a wringer away from the suds-vessel, so as to prevent them falling on the edge of the vessel or on the floor, and to deposit them in another vessel or suitable place without handling. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of my device, partly in section, showing the rollers. Fig. 2 is an elevation of the device shown in Fig. 1; and Fig. 3 is a perspective view showing the device adjusted in position on a tub and a receiving-vessel N, with part of the wringer omitted to show the web passing over its lower roll.

Similar letters refer to similar parts throughout the several views.

The illustration in Fig. 3 shows the device attached to a tub A in position to discharge the clothing into a basket, and the description will therefore for convenience refer to such receptacles; but the device may be used upon any suds-vessel and adjusted to discharge into any receptacle.

A clothes-wringer M is attached to a suds vessel or tub A in the usual manner. I construct an extension-frame consisting of two arms F and a cross-piece or axle *f* at one end connecting the outer ends of the arms F. This axle *f* is preferably integral with the arms and at right angles thereto, or nearly so, and is provided with a roller R, revolvably mounted thereon. I provide the free ends of these arms F with means to fasten them to the tub A, preferably by bending their ends upward and downward in the form of a hook

H, as shown in Figs. 2 and 3. These hooks H are adapted to firmly clamp the sides of the vessel A, preferably by elastic compression. The length of the hooks H outside of the vessel A is adjusted so that the lower ends of the hooks at their junction with the arms rest against the side of the vessel A some little distance below its rim for the purpose of assisting in bracing and holding the axle *f* extended and firmly in position. Upon the axle *f* is mounted a roller R revolvably. I also construct an extension-plate B of any suitable material, preferably of wood and of a width equivalent to the length of the wringer, or nearly so. One end of this plate B is attached to the vessel A in any suitable manner, preferably by two supports S, attached to the edges of the plate and having clasps which pass down over the rim of the vessel A and are adapted to clamp the same firmly and to hold the inner end of the plate B near to, but not in actual contact with, the lower roll of the wringer. Upon this plate B, I place small rollers *r* transversely to its length—one or more, as may be desired—for the purpose of assisting the movement of the web W as it passes over them, when the weight of the clothes presses the web down onto the plate. The other end of this plate B is provided with ears E, preferably made integrally by cutting out the end of the plate, so as to leave them extended, as shown in Fig. 1. Through these ears are orifices or other means of attachment to the axle *f*, adapted to hold the outer end of the plate upon the axle *f* and out of contact with the roller R, as shown. The purpose of this plate B is to assist the arms F in holding the axle *f* extended, and, secondly, to prevent the web W from sagging too much and thereby increasing the labor of conveying clothes to the basket, and in this the small rollers *r* also assist. I place a continuous web W of any suitable material, preferably of canvas, upon the roller R and also upon the lower roller of the wringer. The width of this web is adjusted so that it will pass between the rollers of the wringer and between the supports S of the plate B.

The operation is as follows: Attaching the web to the lower roller of the wringer and the roller R, as described, and attaching the plate B and the arms F to the tub by means of

their clasps, as described, the device is then braced and extended from the tub, as shown in Fig. 3, over a receptacle N. The turning of the crank of the wringer revolving the rolls revolves the web W, and the clothes passing out between the two rolls of the wringer over the web W are carried by it to the end thereof and fall into the receiving-vessel N. It is obvious that the device may be operated omitting the small rolls *r* upon the plate B, but not so effectually as with them; also, that the conveyer is capable of operation if the plate B should be entirely removed and the axle *f* and roller R held extended by the arms F and its clasps, and in this form it is a convenient article of manufacture for shipment and sale.

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

1. In a laundry conveyer, the combination of a clothes-wringer with a suds-vessel, an extension-frame consisting of two arms connected by a cross-piece provided with a roller revolubly mounted on the cross-piece and with means to attach the other ends to the suds-vessel and hold the frame suspended, an

extension-plate adapted at one end to be attached to the cross-piece of the frame and held out of contact with the said roller, supports adapted to secure the plate to the suds-vessel, with its surface out of contact and to hold and support the plate, rollers attached to said plate adapted to aid the movement of the web, and a web mounted revolubly upon the roller and the lower roll of the wringer adapted to pass over and under the plate longitudinally, substantially as described.

2. As an article of manufacture, a laundry conveyer consisting of an extension-frame provided with the arms F, the axle *f*, the roller R, the hooks H, adapted to clamp the sides of a suds-vessel and hold the frame extended outward therefrom with its end over a receiving-vessel, and the continuous web W, adapted to pass over the roller R, and the roller of a wringer.

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

JOSEPH F. ERVIN.

Witnesses:

ALBERT BAKER,
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