

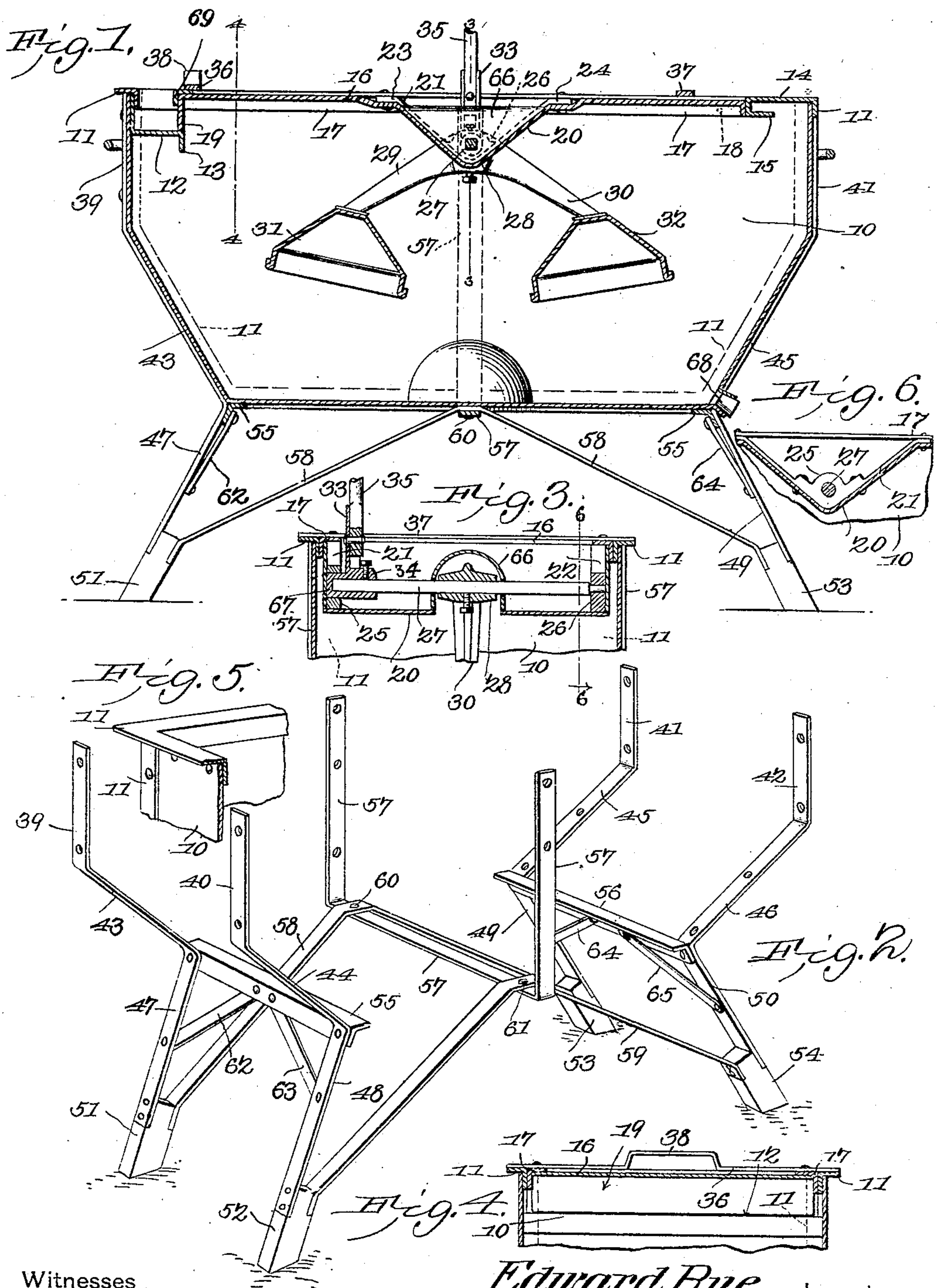
No. 824,674.

PATENTED JUNE 26, 1906.

E. RUE.

WASHING MACHINE.

APPLICATION FILED JUNE 30, 1905.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD RUE, OF AMBOY, MINNESOTA.

WASHING-MACHINE.

No. 824,674.

Specification of Letters Patent.

Patented June 26, 1906.

Application filed June 30, 1905. Serial No. 267,827.

To all whom it may concern:

Be it known that I, EDWARD RUE, a citizen of the United States, residing at Amboy, in the county of Blue Earth and State of Minnesota, have invented a new and useful Washing-Machine, of which the following is a specification.

This invention relates to washing-machines, and has for its object to improve the construction and increase the durability and efficiency of devices of this character.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims.

In the drawings, Figure 1 is a longitudinal sectional elevation. Fig. 2 is a perspective view of the supporting-frame with the body of the machine detached. Fig. 3 is a sectional detail on the line 3 3 of Fig. 1. Fig. 4 is a sectional detail on the line 4 4 of Fig. 1. Fig. 5 is a perspective detail of a portion of the body or receptacle. Fig. 6 is a detail in section on the line 6 6 of Fig. 3.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The improved device comprises a body portion or receptacle 10 for the garments, preferably of metal, such as galvanized iron or steel, and reinforced by L-bars 11, the receptacle being preferably oblong in shape, with the ends inclined for a part of their height. An L-shaped plate 12 is disposed transversely within the receptacle at one end and with its inner edge bent downward at 13 to form a strengthening-rib and with the outer edge extended to the upper edge of the receptacle and held by the end member of the supporting-frame 11, as shown in Fig. 1. The member 12 thus forms a transverse shelf at one end of the receptacle, being spaced below the upper edge of the same and firmly held in position by the end member of the frame 11. The end of the receptacle is also strengthened and reinforced by the vertical portion of the member 12 and provides a convenient support for a wringer. At the opposite end of the receptacle the frame 11 is extended inwardly and bent downwardly at 14 and then outwardly again at 15 to form a partial closure to the receptacle. Fitting in the otherwise open top of the receptacle 10 is a sub-

stantially U-shaped frame formed from a bar L-shaped in transverse section and with spaced sides 17 and connecting end 69, the frame 17 69 being shorter than the space between the overhanging end 14 and the end containing the shelf 12, so that when the side members 17 are placed in position with their ends against the depending portion 15 the end member 69 will be above the inner edge of the shelf 12, so that the wringer-space will not be trespassed upon. The space within the frame 17 69 is occupied by a plate 16, preferably of sheet metal, and with one end turned downward at 19 to bear upon the shelf 12 and the other end also turned downward at 70 and bearing against the inner face of the portion 14 15 of the main frame of the receptacle. The side members 17 of the cover-frame are pivoted at 18 to the frame member 11 near the partial closure 14. By this means the cover member may swing open on the pivots 18 as hinges or be closed with the free end bearing upon the shelf 12 and spaced from the wringer end, so that the cover may be opened and closed without interfering with the wringer. The central portion of the cover 16 is depressed in V shape at 20 and with supporting-straps 21 22 at the ends, conforming in shape to the depression and extended at the ends at 23 24 and riveted between the members 16 20. Integral with the straps 21 22 are bearings 25 26, in which a shaft 27 is journaled. The depression 20 is also provided with a central hood 66, through which the shaft 27 passes and upon which a hub 28 is mounted within the hood.

Extending from the hub 28 are arms 29 30, having conical "pounder" or washer members 31 32 at their free ends, the latter for alternate action upon the clothes as the shaft 27 is oscillated. A handle-socket 33 is connected by its hub 34 to the shaft 27 and provided with an operating-handle 35, the socket-hub having an extension 67 journaled within the bearing 25 of the strap 21.

Connected transversely of the cover 16 near the ends are straps 36 37, extending over the upper edges of the receptacle, and thus providing additional supporting means to the cover and preventing the downward strains being borne entirely by the pivot members 18 and the shelf member 12. The strap member 36 is bent centrally into a lifting-handle 38.

The receptacle 10 is supported upon a base-

frame comprising standards having vertical portions 39 40 and 41 42 for bearing against the vertical portions of the ends of the receptacle and with inclined portions 43, 44, 45, and 46 for bearing against the inclined portions of the ends of the receptacle and thence extended downwardly at 47, 48, 49, and 50 and connected to foot-blocks 51, 52, 53, and 54, the latter being preferably formed of wood or like material, so that they will not mar or scratch the floor upon which they rest. The upper ends of the portions 47 48 of the frame are connected by an L-shaped bar 55, which also bears beneath the receptacle at one end, while the upper ends of the portions 49 50 of the frame are likewise connected by an L-shaped bar 56, bearing beneath the opposite end of the receptacle.

An L-shaped strap 57 is also disposed transversely of the receptacle, with the arms of the straps extended upwardly alongside of the receptacle and riveted or otherwise secured thereto. Brace members 58 59 are connected at their ends to the wooden foot members 51, 52, 53, and 54 and extend over the member 57 and are riveted or otherwise connected thereto at 60 61. Inclined stay members 62 63 are also connected between the members 47 55 and between the members 48 55, and similar braces 64 65 are connected between the members 49 56 and 50 56, as shown.

The portions 39 43 and 40 44 of the frame bear against one end of the receptacle between the reinforcing members 11, while the portions 41 45 and 42 46 of the frame bear against the other end of the receptacle and between the reinforcing members 11, so that the receptacle is firmly supported from lateral movement. The receptacle is provided

with a draw-off plug 68 at one end, as shown in Fig. 1.

Having thus described the invention, what is claimed is—

1. In a washing-machine the combination with a receptacle formed of sheet metal and provided with L-shaped reinforcing members, a supporting-frame comprising spaced standards arranged in pairs and bearing against the ends of said receptacle between the reinforcing members and extending downwardly, foot members carried by the terminals of the standards, transverse bars connecting each pair of standards, stay members secured to the standards and transverse bars respectively, and brace members secured to the foot members and bearing beneath said receptacle.

2. In a washing-machine the combination with a receptacle formed of sheet metal and provided with L-shaped reinforcing members, a supporting-frame comprising standards arranged in pairs and bearing against the ends of said receptacle between the reinforcing members and extending downwardly, foot members carried by the terminals of said standards, transverse bars connecting each pair of standards, stay members secured to the standards and transverse bars respectively, a strap extending centrally beneath said receptacle and upwardly along its sides, and brace members connected to the foot members and engaging the strap.

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

EDWARD RUE.

Witnesses:

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RAY N. PARKS.