(No Model.)

C. H. VORDERBRUGGE.

WASHING MACHINE.

No. 457,017. Patented Aug. 4, 1891.

Fig. 1.

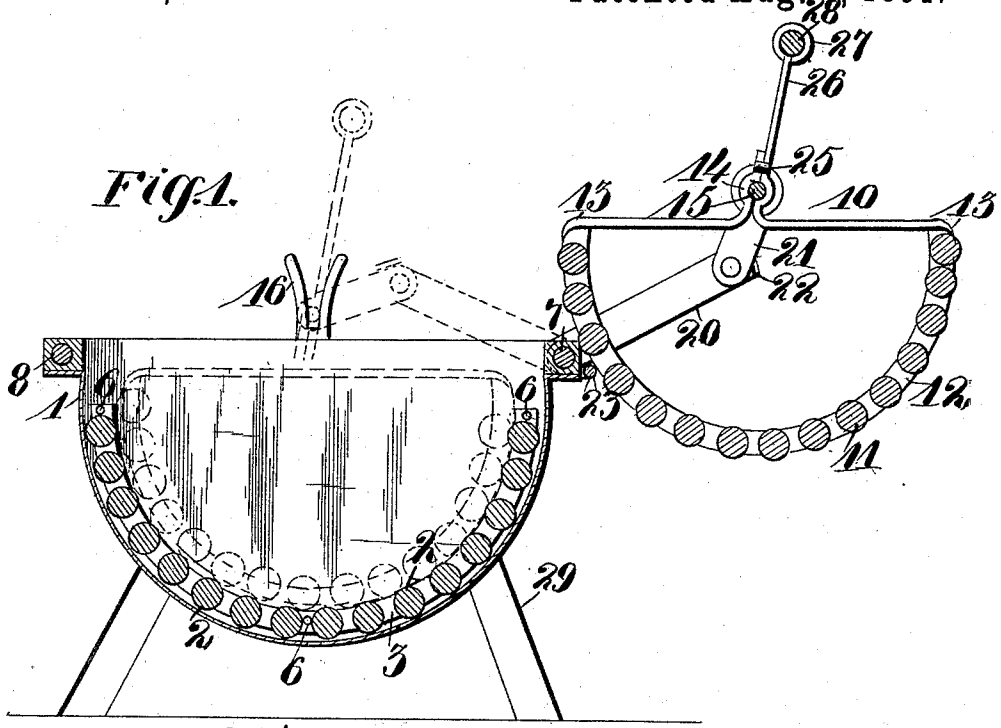


Fig. 2.

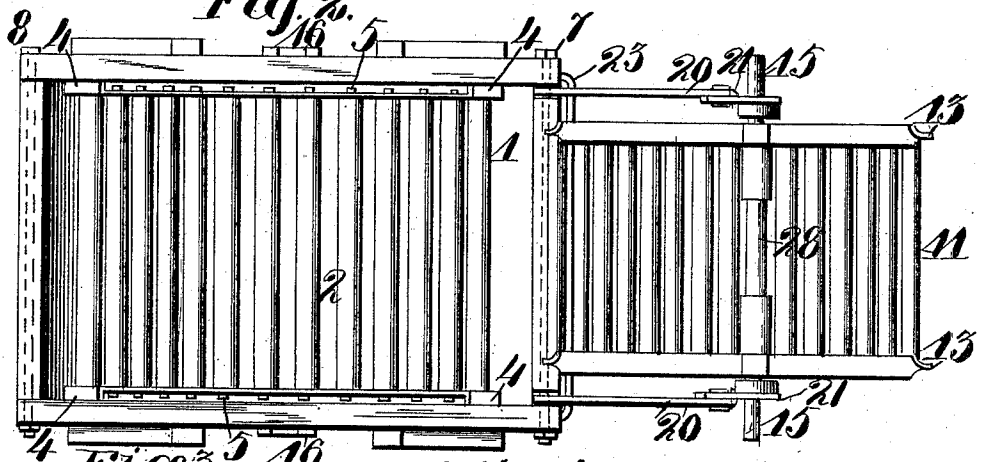


Fig. 3.

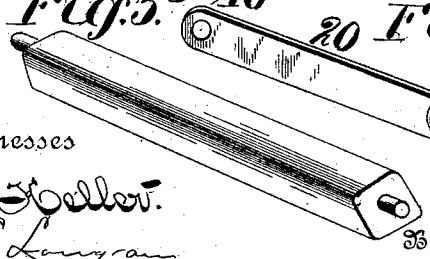


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES H. VORDERBRUGGE, OF CUTLER, ILLINOIS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 457,017, dated August 4, 1891.

Application filed April 25, 1891. Serial No. 390,451. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. VORDERBRUGGE, of the city of Cutler, in the county of Perry and State of Illinois, have invented certain new and useful Improvements in Washing-Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in washing-machines; and it consists in the novel arrangement and combination of parts, as will be more fully hereinafter described, and designated in the claim.

In the drawings, Figure 1 is a vertical transverse section of my complete invention, showing a scrubbing device removed from the suds-chamber or clothes-receptacle. Fig. 2 is a top plan view of the same. Fig. 3 is a perspective view of one of the rollers which I employ in carrying out my invention, and Fig. 4 is a perspective view of one of the supports for the scrubbing device.

Referring to the drawings, 1 indicates the suds-chamber or the clothes-receptacle. The bottom of said chamber has a circular outline, as shown in Fig. 1. Located in the bottom of said suds-chamber and supported therein, as will be more specifically hereinafter described, is a series of rollers 2.

I do not wish to confine myself to a circular roller, as shown in Figs. 1 and 2; but I may modify the form of the same, as shown in Fig. 3. Said rollers have their bearings in curvilinear bars 3, which are secured to the sides of the receptacle in any suitable and mechanical manner. Said curvilinear bars 3 have their terminal portions bent at right angles, as shown in Fig. 2, and the ends 4 of said bent portions rest against the interior surfaces of the sides of the receptacle. By this construction the tenons 5 of the rollers are prevented from coming in contact with and wearing away the sides of the receptacle. The curvilinear bars 3 are secured to the sides of the receptacle by means of screws or bolts 6. The sides of the receptacle are secured together by means of rods 7 and 8, and the bottom of the suds-chamber is preferably composed of galvanized sheet-iron or any metallic substance that will not rust and tarnish the clothes.

Having described the suds-chamber and the rollers located in the same, I will now proceed to describe the scrubbing device 10.

The scrubbing device 10 is composed of a series of rollers 11, the same being mounted in curvilinear bars 12, and said bars are provided with half-turned portions 13, the same extending, forming a bearing 14, and being united there in any suitable and mechanical manner, preferably by a bolt 25. One end of said bars has an extension 26, the same being provided with an eye 27, in which an operating-bar 28 is secured. 15 indicates a horizontal shaft, which is rigidly secured in bearings 14, the function of the same being to hold the curvilinear bars 12 together. Shaft 15, when normally located, rests in bearing-plates 16, the same being secured to the sides of the receptacle.

20 and 21 indicate pivotally-united supports for the scrubbing device. Parts 20 of said supports are pivotally mounted on connecting-rod 7, and parts 21 are pivotally mounted on shaft 15. Parts 20 are provided with bent portions 22, on which parts 21 are adapted to rest, and thereby hold scrubbing device 10 in a position as shown in Fig. 1. Parts 20 are adapted to rest on a rod 23 when the scrubbing device 10 is removed from receptacle 1, as illustrated in Figs. 1 and 2.

Rod 23 is secured to the sides of the receptacle in any suitable and mechanical manner.

Receptacle 1 is supported and mounted on legs 29.

Having fully described my invention, what I claim is—

A washing-machine having pivotal supports consisting of pivotally-secured parts 20 and 21, parts 20 being pivotally mounted on a rod 7, which connects the sides of the receptacle, and said parts being provided with bent projections 22, on which parts 21 are adapted to rest, said parts 21 being pivotally mounted on shaft 15 of the scrubbing device, and a rod 23, on which parts 20 are adapted to rest when the scrubbing device is removed from the suds-chamber, substantially as set forth.

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

CHARLES H. VORDERBRUGGE

Witnesses:

W. T. WHITE,

S. H. MCCLURE.