B. J. MURRAY.

WASHING-MACHINE.

No. 180,152. Patented July 25, 1876.

Fig 1.

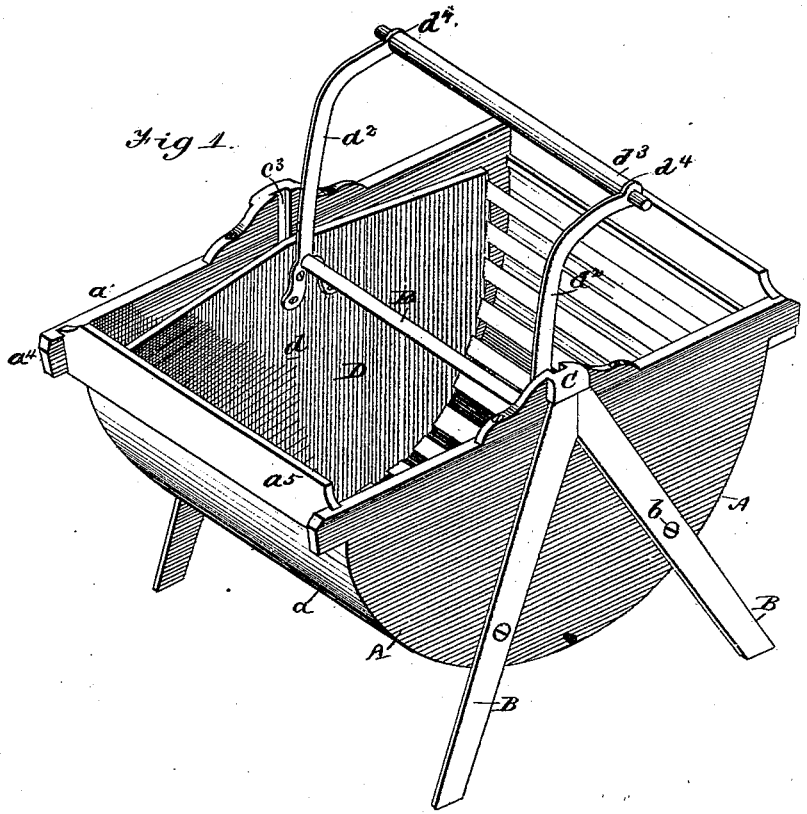


Fig 2

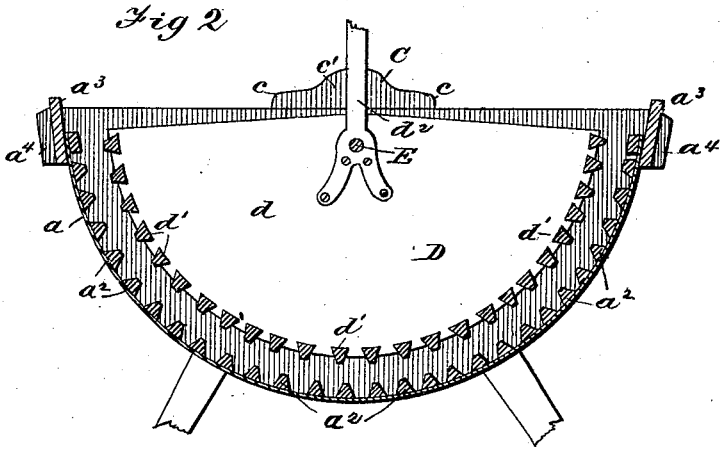


Fig 3

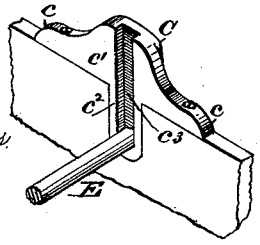
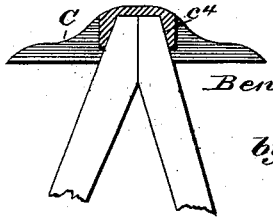


Fig 4.



Witnesses;

Harry G. Clark.

M. C. Stallings.

Inventor.

Bennett. J. Murray

by H. W. Beadle & Co

Attys.

UNITED STATES PATENT OFFICE.

BENNETT J. MURRAY, OF HONEY CREEK, ILLINOIS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **180,152**, dated July 25, 1876; application filed March 25, 1876.

To all whom it may concern:

Be it known that I, BENNETT J. MURRAY, of Honey Creek, in the county of Ogle and State of Illinois, have invented a new and useful Improvement in Washing-Machines; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

This invention consists, mainly, in certain peculiarities of construction, by means of which a simple, effective, and durable machine is obtained.

In the drawings, Figure 1 represents a perspective view of a machine having my improvements applied thereto; Fig. 2, a longitudinal central vertical sectional elevation; Fig. 3, a perspective view of the journal-casting; and Fig. 4, an elevation of the casting and its socket for holding the legs.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

A represents the tub or receptacle of the machine, constructed of any suitable material and proper size, but consisting of a body, *a*. B B represent the legs by means of which the tub is supported, consisting of bars of proper strength and size, preferably made tapering from the top downward, and so cut that when secured to the tub on converging lines, the adjacent faces of the uper ends will come together on a vertical line and afford mutual support, as shown in Fig. 4, while the lower ends, widely extended, rest firmly upon the floor, as shown in Fig. 1. *b b* represent securing-screws, by means of which the legs are secured, near their centers, to the lower edge of the tub, as shown. C represents a casting having the projecting bearing-arms *c c*, the main portion c^1, with dependent lug c^2, and vertical slot c^3, open above but terminating below in a journal-bearing, as shown, and also upon its outer face, the socket c^4, the inner sides of which are inclined, as shown. This casting, when in place, rests upon the edge of the tub, at or near its center, its projecting arms being properly secured by means of screws, and its dependent lug extending into a proper recess formed for it. In this position it will be observed that the socket upon its outer face is adapted to receive and securely hold the upper ends of the legs B B. D represents the rubber consisting of the semicircular side *d d*, united by the series of the bars *d'* of triangular form, which are strongly secured in place by means of dovetailed recesses, as shown. E represents a transverse rod or shaft, the ends of which project through proper openings in the sides of the rubber and the arms, and rest on the bearings of the vertical slot, as shown.

The operation of my improved machine will be readily understood.

When it is desired to use the same, the rubber D is removed, this action being permitted by the open-ended bearings of the shaft, and the clothing, water, soap, &c., introduced into the tub in proper quantities, according to the judgment of the operator. The rubber having been replaced, the handle is operated to rub and cleanse the clothes in the manner well understood.

Some of the advantages of the construction described, are as follows: The construction is exceedingly simple, and yet the parts are strongly held, so that the machine is durable, and not liable to get out of order. It can be built at a reasonable price, its simplicity reducing materially the expense of construction.

By means of the peculiar construction of the journal-casting it is well adapted for the several distinct purposes for which it is designed.

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

1. The journal-casting, provided with the journal-slot, bearing-arms, and triangular socket, as described.

2. The combination of the casting having the socket c^4, with the legs, as described.

3. In combination with the casting C, having the dependent lug c^2, the tub A, with corresponding recess, as described.

This specification signed and witnessed this 20th day of March, 1876.

BENNETT J. MURRAY.

Witnesses:
WM. T. WILSON,
ISAAC WINEZ.