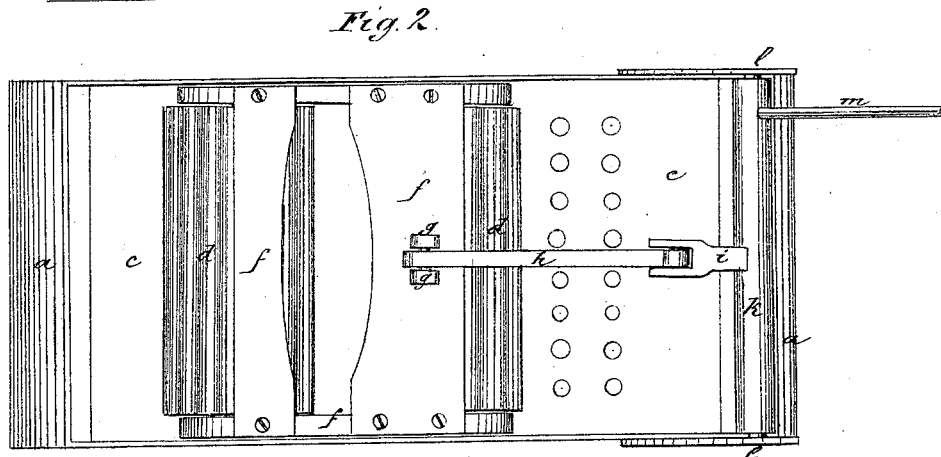
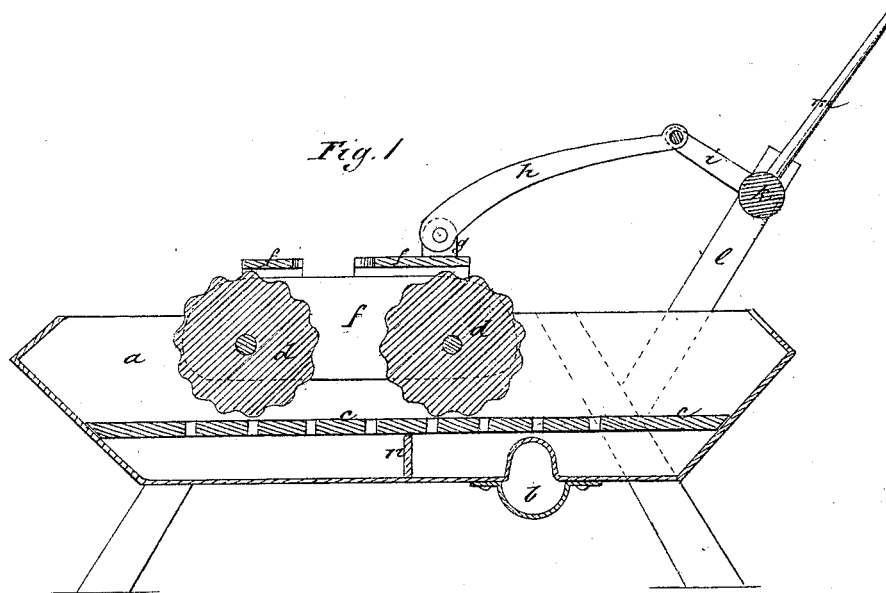


J. S. BALSLEY.

Improvement in Washing-Machines.

No. 114,093.

Patented April 25, 1871.



Junius S. Balsley, Inventor.

by Geo. E. Brown

His Attorney

Witnesses.

H. J. Smith
C. O. Brown

United States Patent Office.

JUNIUS S. BALSLEY, OF NORTH BEND, KENTUCKY.

Letters Patent No. 114,093, dated April 25, 1871.

IMPROVEMENT IN WASHING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

I, JUNIUS S. BALSLEY, of North Bend, Boone county, Kentucky, have invented certain Improvements in Washing-Machines, of which the following is specification.

This invention relates to the combination of a tub with a furnace placed transversely of its under side and extending upward some distance into the tub, and with a perforated false bottom placed inside the tub and above the furnace, and with one or more ribbed or fluted rollers mounted in a reciprocating frame that, by any suitable mechanism, is made to play backward and forward on the false bottom.

Referring to the drawing—

Figure 1 is a sectional elevation, and

Figure 2 a plan view.

a is the tub.

b, the furnace, whose office it is to heat the water within the tub.

c is the perforated false bottom, whose office it is to support the clothes while they are subjected to the action of the heated water and of the rollers.

d are the rollers, which are leaded so as to weigh about sixty pounds each in the full-sized machine.

f is the frame in which the rollers are mounted above the false bottom crosswise of the tub.

g are lugs springing from the top of the frame *f*.
h is a pitman connecting the lugs *g* with the outer end of an arm, *i*, that projects from a rock-shaft, *k*, mounted in standards, *l*, that spring from the sides of the tub.

m is the handle of the shaft *k*, by vibrating which the rollers are made to travel back and forth over the false bottom, by which movement they express all dirt from the clothes.

A partition, *n*, is placed crosswise of the tub, at one side of the furnace, between the true and false bottoms, dividing the inclosed space into two compartments, of which the one that the furnace extends into is used for boiling the clothes after washing, and the other is intended for rinsing, thus enabling all the work to be done in one tub.

I claim as my invention—

The combination of the tub *a*, partition *n*, furnace *b*, false bottom *c*, rollers *d*, and reciprocating frame *f*, arranged as specified.

JUNIUS S. BALSLEY.

Witnesses:

ALFRED S. GAINES,

BENJAMIN L. STEPHENS.