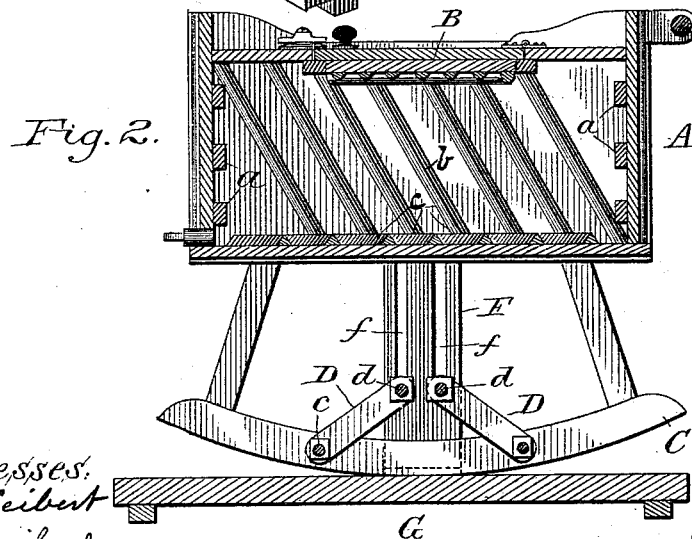
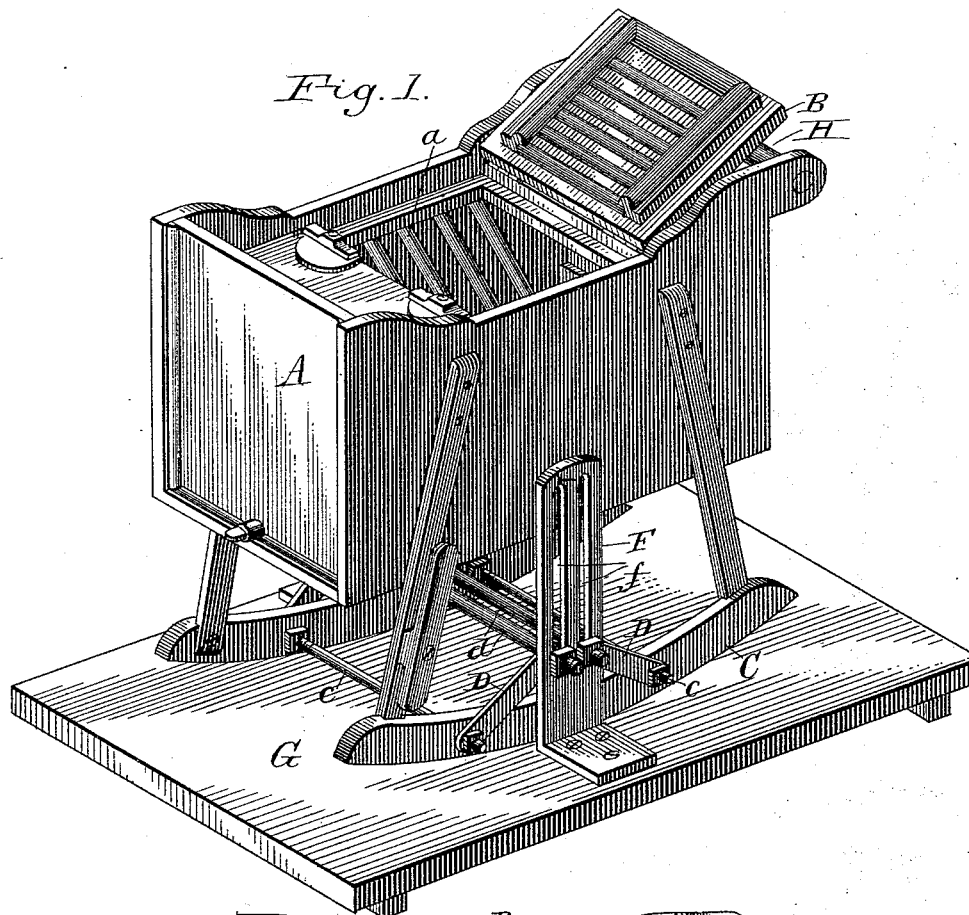


(No Model.)

J. H. SAWYER.
WASHING MACHINE.

No. 420,313.

Patented Jan. 28, 1890.



Witnesses:
S. R. Seibert
J. B. Harland.

Inventor:
James H. Sawyer
Taylor & Payne
attorneys

UNITED STATES PATENT OFFICE.

JAMES H. SAWYER, OF TROY, PENNSYLVANIA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 420,313, dated January 28, 1890.

Application filed August 24, 1889. Serial No. 321,869. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. SAWYER, a citizen of the United States of America, residing at Troy, in the county of Bradford and State of Pennsylvania, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 represents a perspective view, and Fig. 2 a longitudinal vertical section, of my machine.

My invention relates to washing-machines, and has for its object certain improvements in the construction of the box and in the rocking mechanism, as hereinafter more fully described and claimed.

A represents the clothes receiver or box, mounted upon two curved pieces or rockers C. To the ends, sides, and bottom of the box upon the inside are attached the ribs or cleats *a b c*. The ribs *a* upon the end pieces are attached in a horizontal position, running from side to side; but the ribs *b* upon the sides and the ribs *c* on the bottom are attached in a diagonal position, as shown in Fig. 2, thereby increasing the circulation of the water.

The cover of the box consists of two end pieces attached to the box and a middle piece or hinged lid B, adapted when opened to rest upon the edge of the end piece of the box, the latter projecting above the plane of the cover sufficiently to support the lid in an inclined position. The under side of the lid B may be ribbed or fluted, so as to adapt it for use as a wash-board; but I do not claim this construction of the lid as part of my invention.

Attached to the box is a handle H, and in one end near the bottom is a hole for the purpose of drawing off the water.

G represents a supporting frame or platform, to which is attached two uprights F, each of which has two vertical and parallel slots *f*. The rockers C rest upon the platform G between the two uprights F, and are connected by the rods *c*, which extend through and project beyond the sides of the rockers, so as to form pivot-pins, upon which are mounted the links D. The outer ends of the links on one rocker are connected with the corresponding links on the other rocker by the two rods *d*, the outer ends of which pass through the slots *f* in the uprights.

In the drawings the rods *d* are shown as resting in the lower ends of the slots *f*, and where this construction is used it is obvious that in rocking the machine while the point of contact of the rockers with the platform is between the pivot-rods *c* the ends of the rockers depressed will be drawn toward the standards by the links D, causing the rockers to slide upon the platform, imparting a forward jerking motion to the machine until the point of contact is outside of the rod *c*, when the machine will assume the true rocking motion.

If it is desired to avoid the sliding motion of the rockers, this may be accomplished by lengthening the slots *f* or the links D, so as to bring the rods *d* above the lower ends of the slots when the machine is at rest.

What I claim, and desire to secure by Letters Patent, is—

In a washing-machine, the combination, with the box A, mounted upon rockers C, of the slotted uprights F, links D, and rods *c d*, as and for the purposes described.

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

JAMES H. SAWYER.

Witnesses:

DELL. HILTON,
DANIEL STRONG.