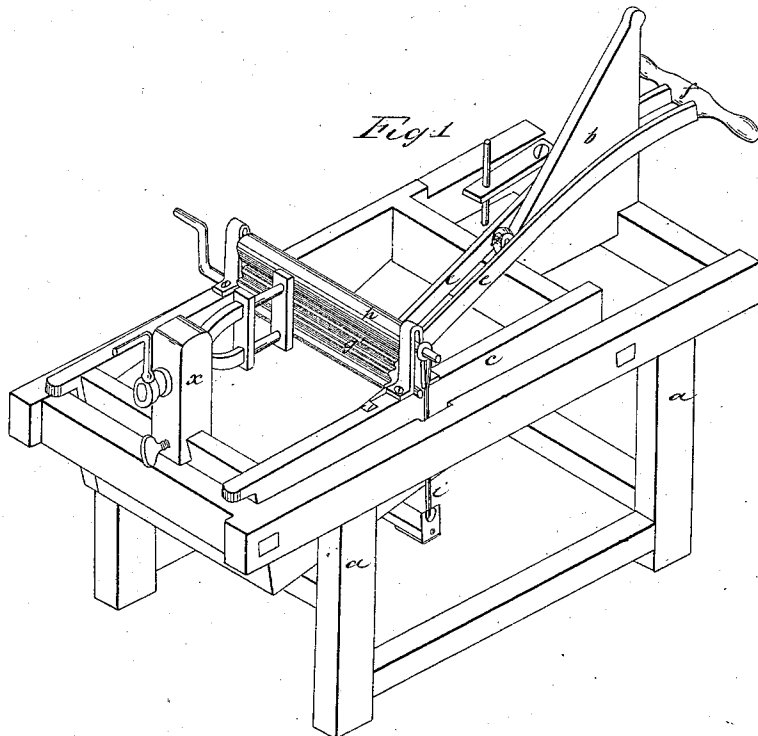
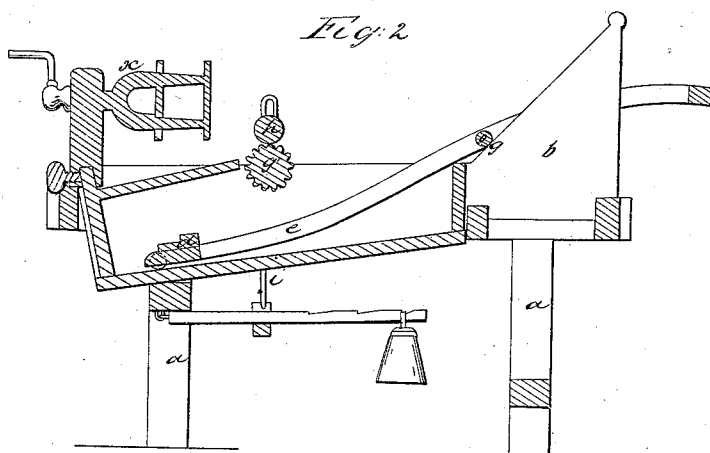


H. W. Sabin,
Washing Machine,
N^o 4,153. *Patented Aug. 16, 1845.*



UNITED STATES PATENT OFFICE.

HARVEY W. SABIN, OF GORHAM, NEW YORK.

WASHING-MACHINE.

Specification of Letters Patent No. 4,153, dated August 16, 1845.

To all whom it may concern:

Be it known that I, HARVEY W. SABIN, of Gorham, in the county of Ontario and State of New York, have invented a new and useful Improvement in Washing-Machines, parts of said improvement being also applicable to the construction of churns, and which improvements I denominate the "Ladies' Delight" or "Portable Washer," &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1, is an isometrical view of the whole machine. Fig. 2, is a vertical longitudinal section.

The nature of my improvements consist in the combination of a lever with an inclined plane by means of a movable fulcrum and the arrangement of the wash box in connection therewith.

Its construction is as follows: An oblong frame *a* is made consisting of four posts with ties and caps to connect them. At the end of the frame there is affixed to the cap of the frame a triangular piece of wood *b*, the hypotenuse of which is on an angle of about 45° and inclining down toward the other end of the frame that serves to support a wash box *c*. The inclined plane above named is placed in the center of the width of the frame, as indicated in the drawing. The box *c* is shallow at the end next to the inclined plane and gradually deepens toward the other end its bottom being inclined for that purpose: in this box a washer or piston *d*, is placed that is as long as the box is wide in the clear. It is made on its front edge in steps and is in this respect like many others now in use two parallel pieces *e*, extend back from this piston one on each side of the inclined plane these are connected at the extreme end by a handle *f*; about the center of

the length of said pieces *e*, a pin passes through them on which there is a roller *g*, that plays between them on the inclined plane—and as the handle is drawn back runs up the inclined plane causing the handle also to rise—when the handle is forced downward and forward the roller runs down the inclined plane and aids the manual force exerted on the washer thrusting it forward against the front of the box. About the center of the length of the box there is a reeded roller *g'*, placed across it having its bearings in two standards that project above the edge of the box—above this roller is a smaller one *h*, which is allowed to move up and down as the reeds pass it rests, and this is weighted down by a lever and weights underneath the box, that is connected with the roller by two arms *i*, that extend up and are hitched over the gudgeons thereof—the lower roller is turned by a crank affixed to the shaft of it—these rollers are for the purpose of pressing out a portion of the water before the clothes are wrung. The wringing is performed by a common wringer shown attached to the machine and lettered X.

This machine is so constructed that the washing box and piston can be lifted out of the frame and in its place a churn of similar shape can be put the dasher of which works as the washer above described.

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

The combination of the inclined plane with the washer or piston constructed and arranged in the manner and for the purpose set forth.

HARVEY W. SABIN.

Witnesses:

J. J. GREENOUGH,
THOMAS JOHNS.