

Patented May 3. 1870.

A perspective view of the machine. It shows a rectangular frame with vertical supports. A horizontal bar is positioned across the top, with a vertical rod passing through its center. The rod is connected to a horizontal bar at the top, which is labeled 'H'. The rod is also connected to a horizontal bar at the bottom, which is labeled 'G'. The frame is supported by a base labeled 'A'. The entire machine is mounted on a stand with two legs. The diagram is labeled 'Fig. 4.' at the bottom.

Fig 4.

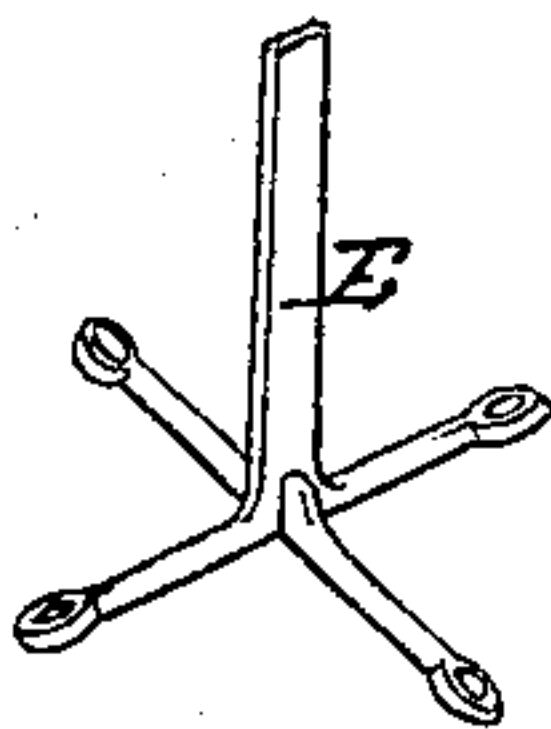


Fig 2.

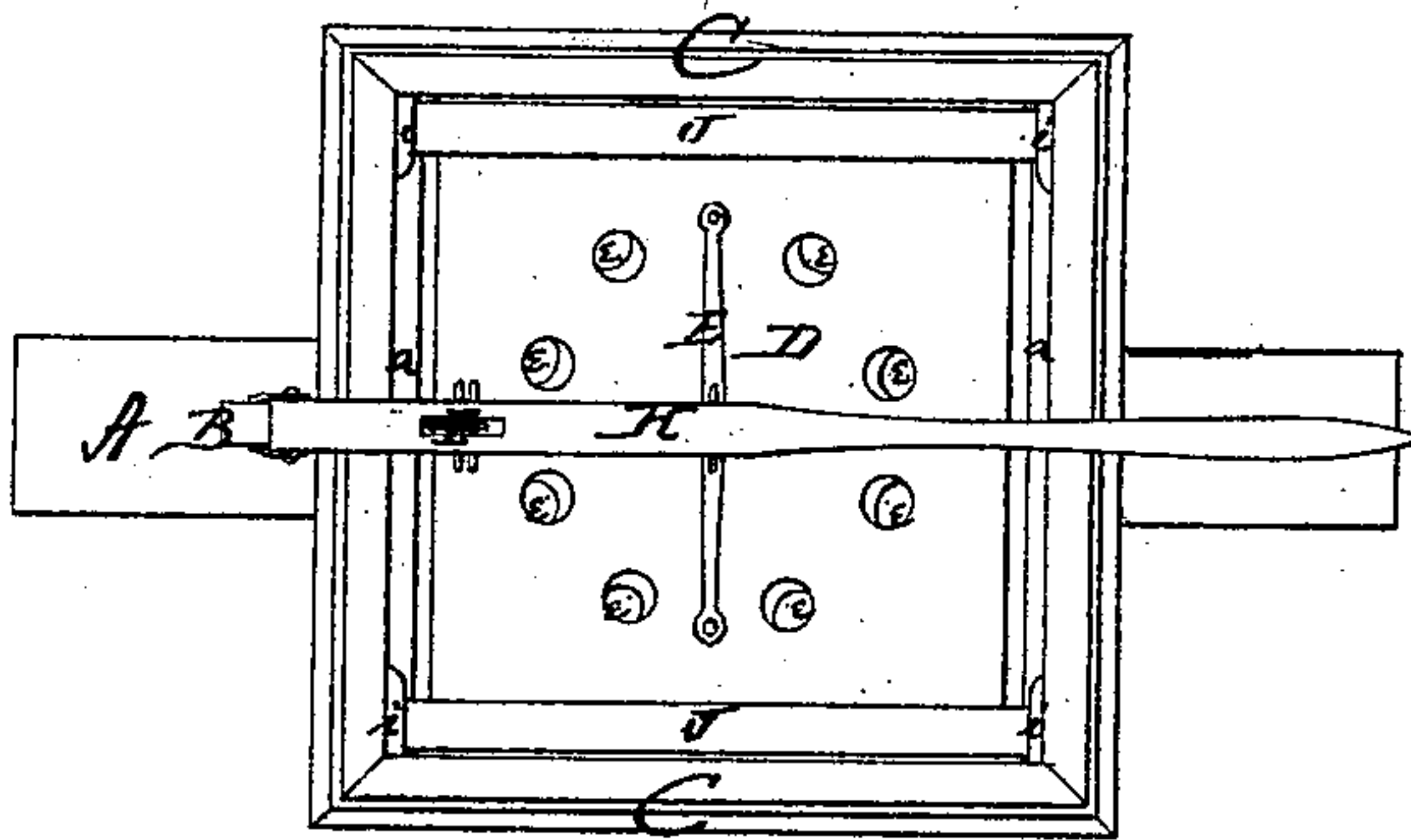
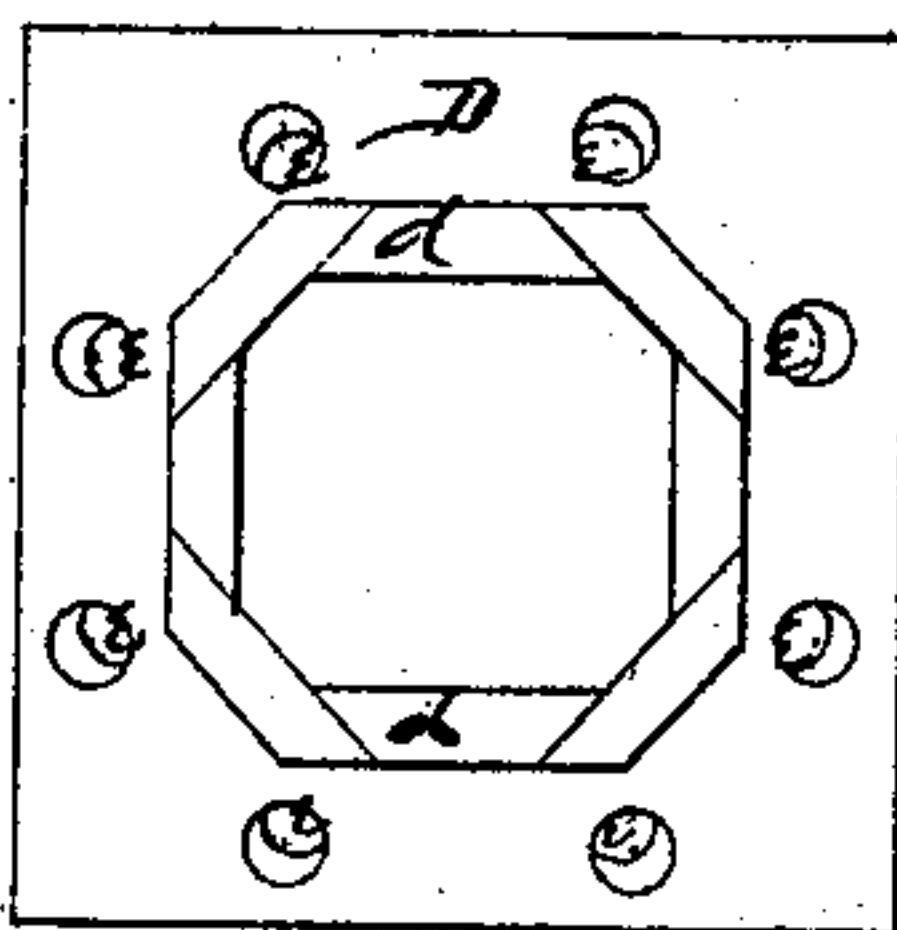


Fig 3



Witnesses.

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Letters Patent No. 102,512, dated May 3, 1870.

IMPROVED WASHING-MACHINE.

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

To all whom it may concern:

Be it known that I, THOMAS DE WITT, of Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Washing-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a washing-machine as hereinafter set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings which form a part of this specification, and in which—

Figure 1 is a longitudinal vertical section, and

Figure 2 a plan view of my machine.

Figure 3 is a bottom view of the plunger, and

Figure 4 is a perspective view of the rod connecting the lever-power with the plunger.

A represents a bench, having two upright posts or standards B B, between which a square box, C, is firmly secured.

This box is, on its inside, near the top, provided with ribs or cleats *a a*, forming a continuous line around the box; and from said ribs or cleats other ribs, *b b*, extend vertically downward to the bottom, one or more on each side of the box.

Inside of the box is placed a square block or plunger, D, of such size as to move freely up and down within the ribs *b b*.

This plunger is, on its under side in the center, provided with a polygonal-shaped flange, *d*, and around

this flange is a series of holes, *e e*, inclined from the center outward and downward, as shown in fig. 1.

On top of the plunger D is placed a flat rod, E, having four feet in the shape of a cross, which are secured to the plunger.

This rod passes upward and is pivoted in a mortise on a lever, G, which is pivoted at the upper end of one of the posts or standards B, and extends to near the opposite side of the box C.

At this end of the lever G is a pivoted rod or bar, I, connecting it with another lever, H, which is pivoted at the upper end of the other post or standard B, and extends above the lever G, beyond the opposite side of the box, forming, at its outer end, a handle for operating the machine.

By this means, I have a compound-lever power applied to the plunger.

At the sides of the box D, on the inside, are placed lugs or projections *i i*, a suitable distance above the ribs or bars *a a*, for the purpose of confining two slats J J, which run along the ends of the box, to prevent the plunger from coming out, and, at the same time, prevent the suds from splashing out.

Having thus fully described my invention,

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

The combination and arrangement of the bench A, posts B B, box C, with the plunger D, constructed with inclined openings, and under flange *d*, connecting rods E I, lever G H, and slats J J, all as shown and described.

Witnesses:

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