

E. McCOY.

Improvement in Washing-Machines.

No. 128,053.

Patented June 18, 1872.

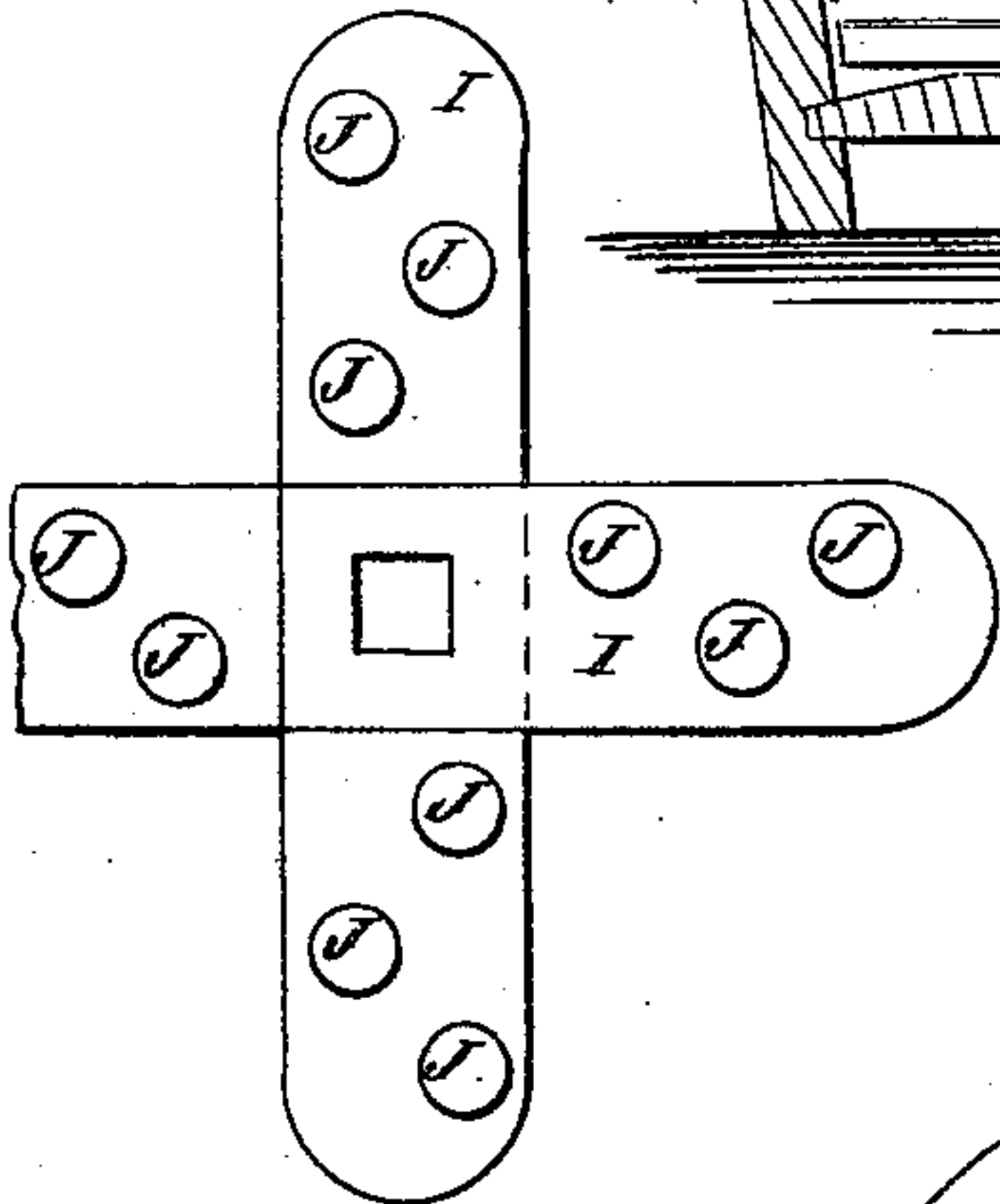
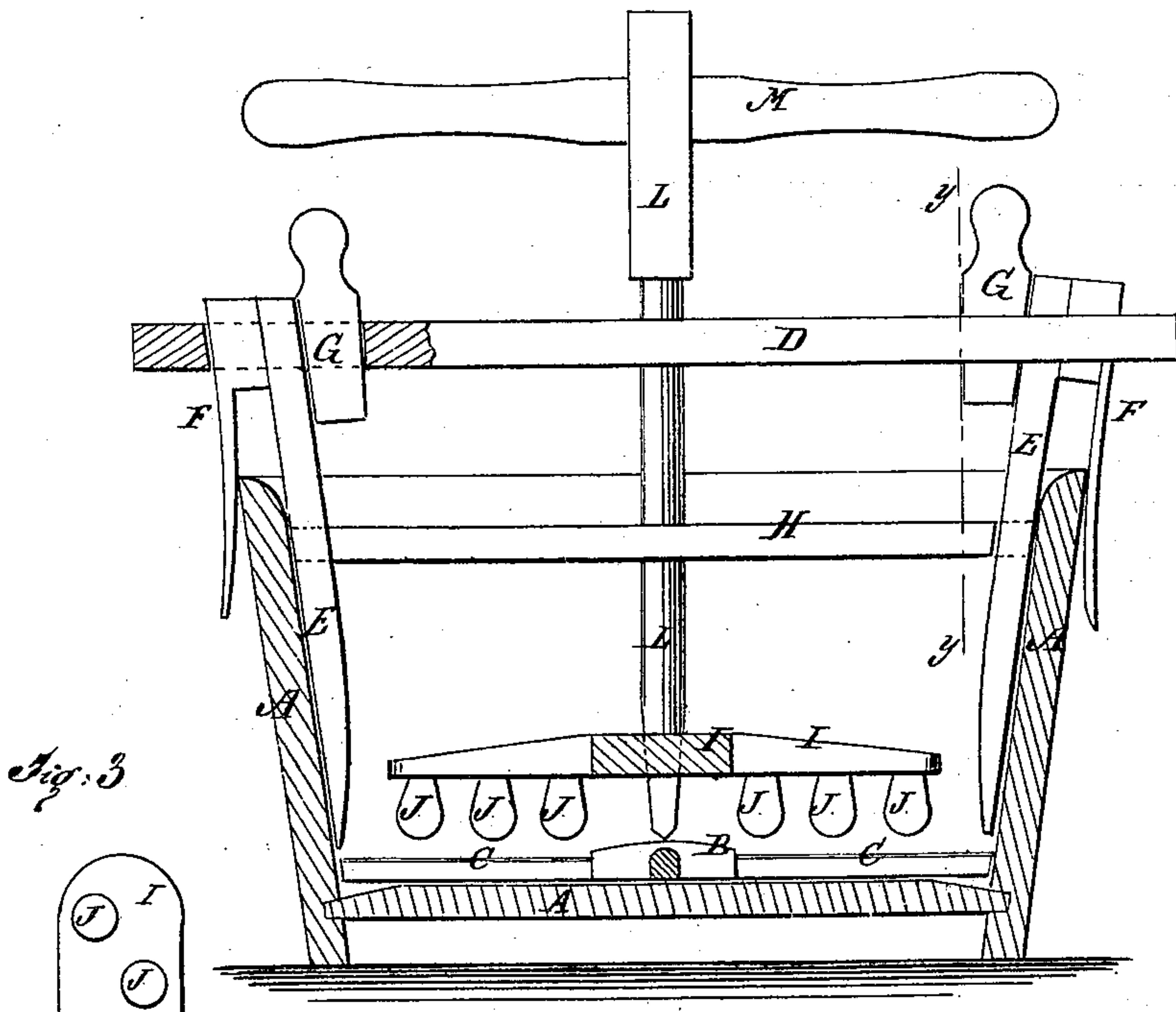


Fig. 4.

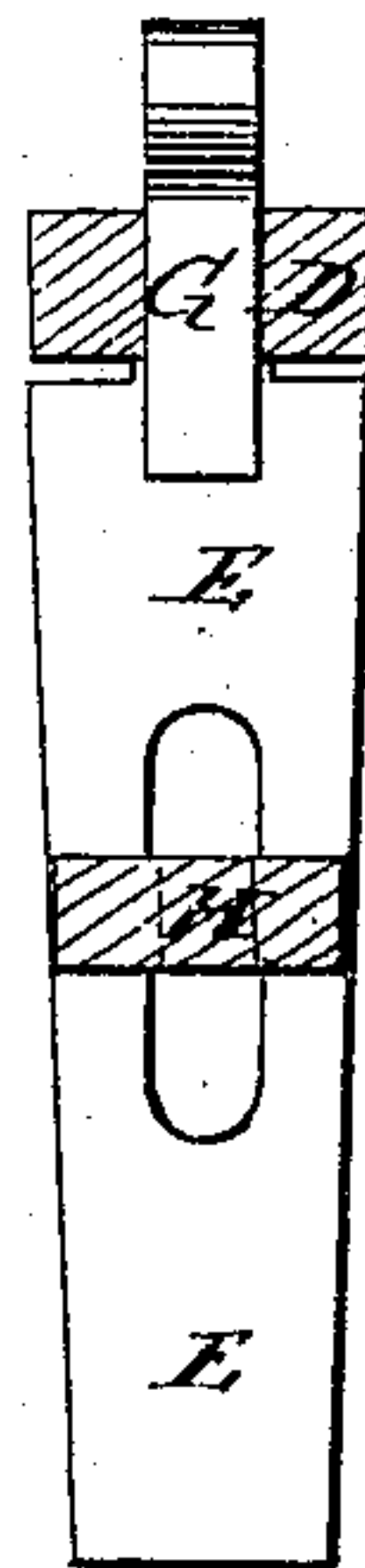
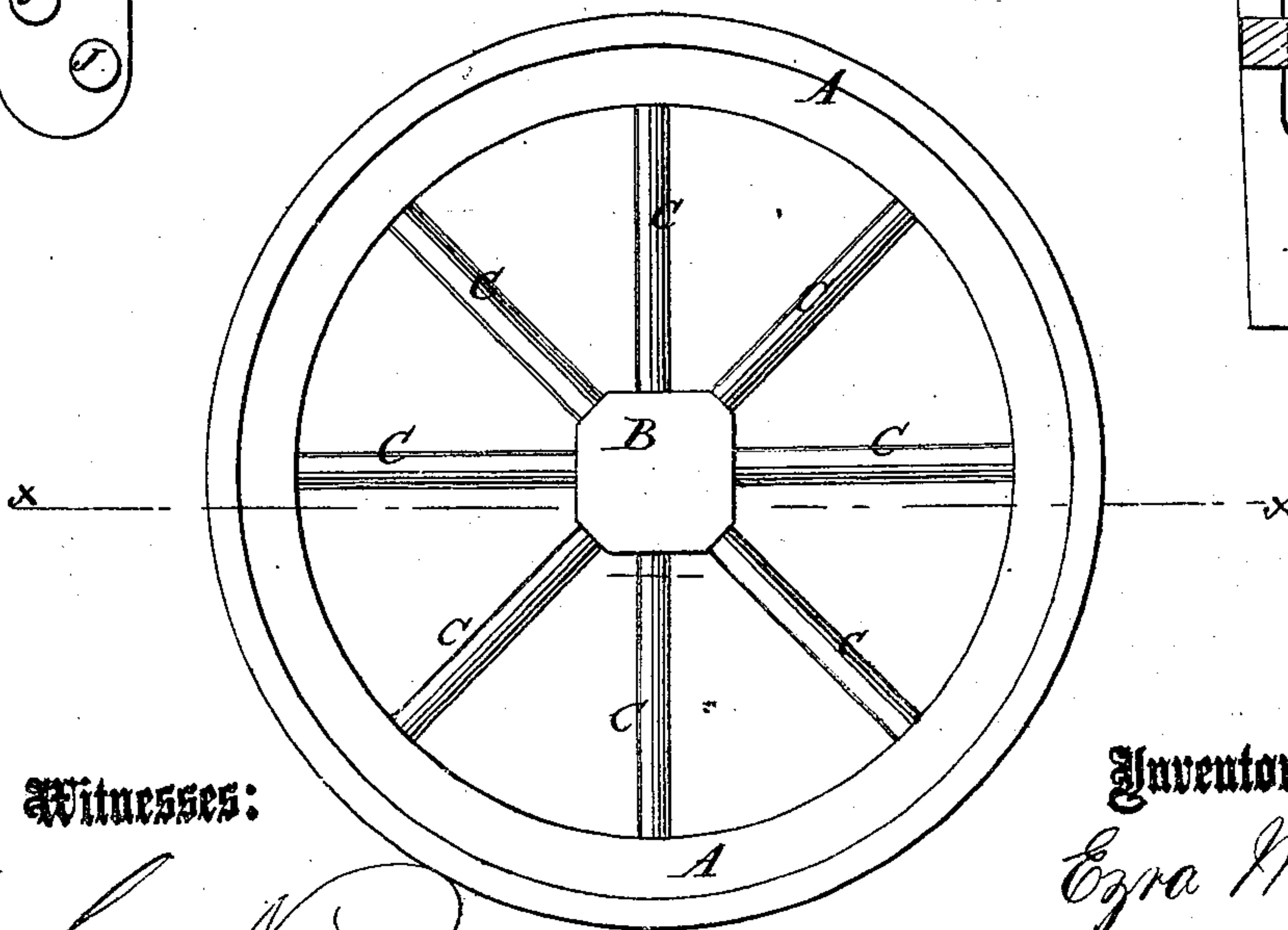


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

EZRA McCOY, OF PONTIAC, MICHIGAN.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 128,053, dated June 18, 1872.

Specification describing a new and useful Improvement in Washing-Machines, invented by EZRA McCOY, of Pontiac, in the county of Oakland and State of Michigan.

Figure 1 is a detail sectional view of my improved washing-machine taken through the line *x x*, Fig. 2. Fig. 2 is a top view of the tub and bottom rubber. Fig. 3 is a bottom view of the pegged or bottom rubber. Fig. 4 is a detail sectional view taken through the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved washing-machine, simple in construction, inexpensive in manufacture, convenient in use, and effective in operation; and it consists in the construction and combination of the various parts of the machine, as hereinafter more fully described.

A represents an ordinary wash-tub, in the bottom of which is placed a block, B, in the edges of which are inserted radial bars C of such a length as to extend to the sides of the tub. D is a cross-bar of a length a little greater than the diameter of the tub A. In the end parts of the bar D are formed slots in which are placed the upper ends of the spring-bars E, which extend down along the inner surface of the sides of the tub. E are spring-bars which extend down along the outer surface of the sides of the tub A. The upper ends of the spring-bars F are made with a shoulder upon their inner sides of about the same thickness as the sides of the tub, and are inserted in the slots of the cross-bar D, at the outer sides of the spring-bars E. The ends of the spring-bars E F are secured in the slots of the cross-bar D by wedges G, as shown in Figs. 1 and 4. The inner spring-bars E are

slotted longitudinally to receive tenons formed upon the ends of the cross-bar H, so that the device may be firmly secured in and to the tub A by pressing the said bar H downward, crowding the spring-bars E against the sides of the tub A. I are two wide bars crossing each other at right angles in the center of the tub, and to the under sides of which are attached a number of knobs or rounded pegs, J. In the cross-bars I at their point of intersection is formed a square hole to receive the squared lower end of the shaft L, which passes up through holes in the center of the cross-bars H and D, and to its upper end is attached a cross-bar or lever, M, for operating the machine. The shaft L fits loosely in the cross-bars D H, and in the pegged or knobbed rubber I J, so that it can be readily raised to allow the clothes to be conveniently put in and taken out.

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

1. The framework composed of the slotted cross-bar D, inner slotted spring-bars E, outer spring-bars F, wedges G, and locking cross-bar H, constructed and arranged substantially as herein shown and described, to adapt it to receive the operating parts of the machine, as set forth.

2. The pegged or knobbed rubber I J, and shaft L, in combination with the framework D E F G H, and bottom rubber B C, substantially as herein shown and described, and for the purpose set forth.

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