MILOW L. TOMPKINS.

Improvement in Washing Machines.

No. 120,797. Patented Nov. 7, 1871.

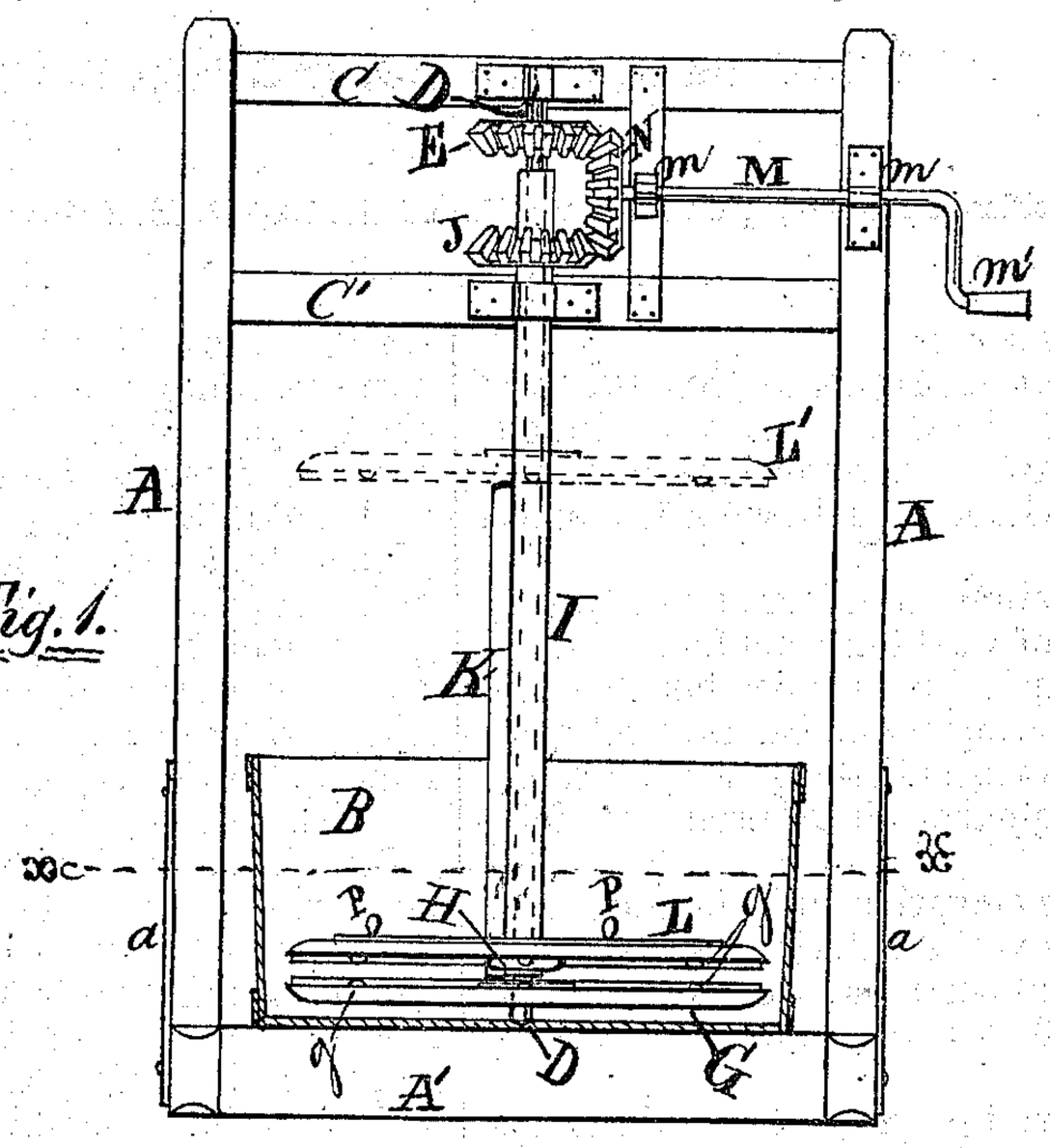

Fig. 1.

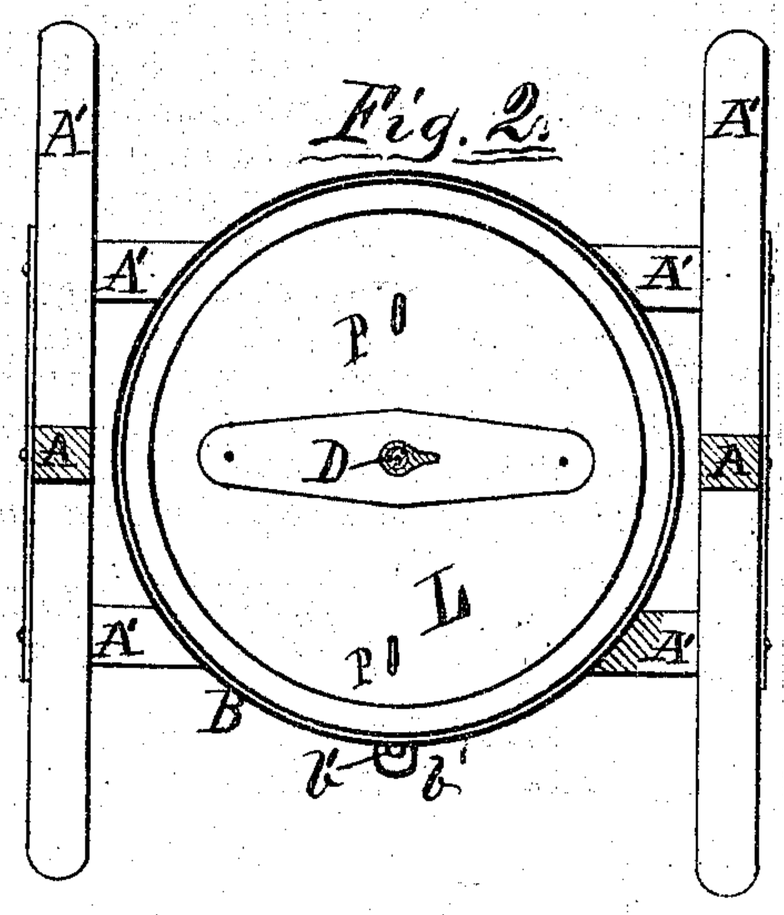

Fig. 2.

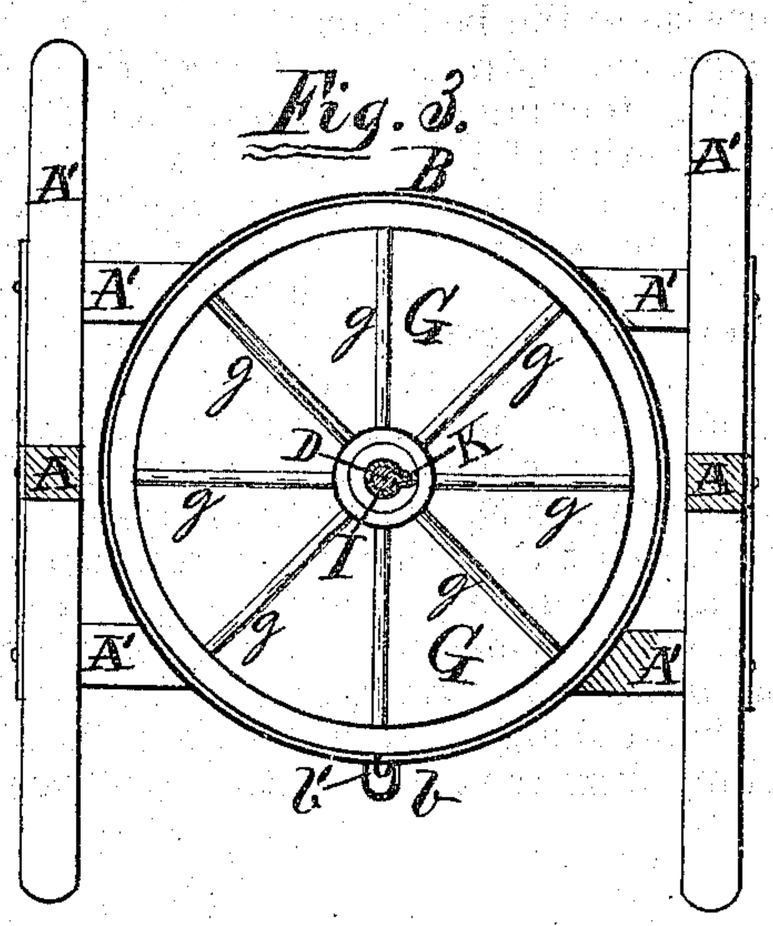

Fig. 3.

Witnesses:
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120,797

UNITED STATES PATENT OFFICE.

MILOW L. TOMPKINS, OF WATAGA, ILLINOIS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 120,797, dated November 7, 1871.

To all whom it may concern:

Be it known that I, MILOW L. TOMPKINS, of Wataga, county of Knox and State of Illinois, have invented certain Improvements in Washing-Machines, of which the following is a specification:

The nature of my invention relates to improvements in that class of washing-machines in which the articles to be washed are rubbed between two surfaces with projecting radial beads or rubbers; and the invention consists in the general arrangement of the working parts, all as hereinafter fully described.

Figure 1 is a side elevation with the tub partly broken away to show the interior construction. Fig. 2 is a horizontal sectional view of Fig. 1 on the line *x x*. Fig. 3 is a top view of the lower rubbing-plate.

A A represent two uprights or standards extending upward from the bed-frame A′ A′, and stayed by braces *a a*. C C′ are cross-bars, connecting the upper ends of the standards A A. B is a cylindrical tub or tank, secured by screws or otherwise to the bed-frame A′. *b* is a spout in the side, and near the bottom of the tub B. *b′* is a plug stopping a hole leading from the bottom and interior of the tub B to the spout *b*. D is a vertical shaft having a journal-bearing on the cross-bar C, and a pivoted bearing for its lower end in the center of the bottom of tub B. E is a bevel-pinion gear-wheel on the upper end of shaft D. G is a disk, attached to the lower end of the shaft D with its lower surface a short distance above the bottom of the tub B. H is a collar on the shaft D. I is a tubular shaft, carried on the shaft D, its lower end resting on the collar H and its upper end extending to near the pinion E, and provided with suitable bearings on the cross-bar C′. J is a pinion on the upper end of the tubular shaft I. K is a ledge on the shaft I extending from the collar H some distance upward. L is a disk, pierced centrally with a hole corresponding in shape with the cross-section of shaft I and ledge K, as shown at Fig. 2. The adjacent faces of disks G and L are provided with radial ledges *g g g g g*, as shown at Fig. 3. M is a shaft having bearings at *m m*, as shown, and a crank, *m′*, on its outer end. N is a bevel gear-wheel, carried on the inner end of the shaft M, and meshing with the pinion E on its upper side and pinion J on its lower side. P P are handles on the upper side of the disk L.

The operation of my invention is as follows:

The disk L, sliding freely on the shaft I, may be elevated to the position shown by the dotted lines L′, when, being rotated slightly, the enlargement in its central hole will be turned from immediately over the ledge K, and the top of the ledge will hold it in said elevated position. The articles to be washed may now be placed on the top of disk G, when the disk L may be returned into position to allow it to drop into position over the articles on disk G. Now, by turning the crank *m′*, it will be plain that the disks G and L will be rotated in opposite directions, giving the goods the most thorough rubbing, while the dirty water is allowed to settle below the disk G, from whence it may be drawn through the pipe or scupper *b* by withdrawing the plug *b′*.

I claim as my invention—

The hollow shaft I, having a ledge, K, and pinion J, and the disk L, when constructed as described, and arranged to operate with the shaft D, pinion E, disk G, tub B, frame A′ A′, uprights A A, and shaft M, with crank *m′*, and bevel-wheel *m*, substantially as shown, and for the purpose specified.

MILOW L. TOMPKINS.

Witnesses:

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(91)