

(No Model.)

J. A. WORKMAN.
WASHING MACHINE.

No. 597,571.

Patented Jan. 18, 1898.

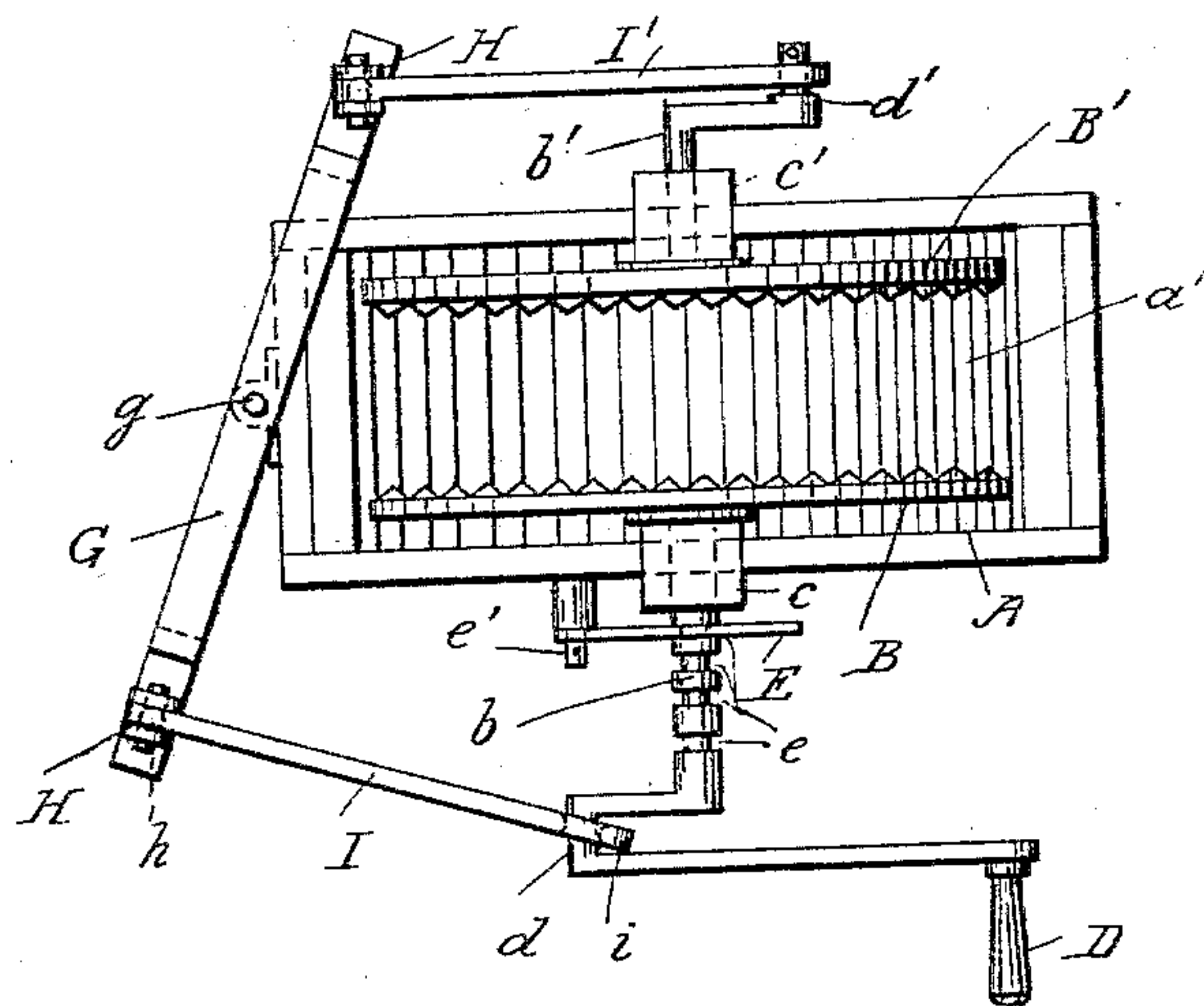


FIG. 1.

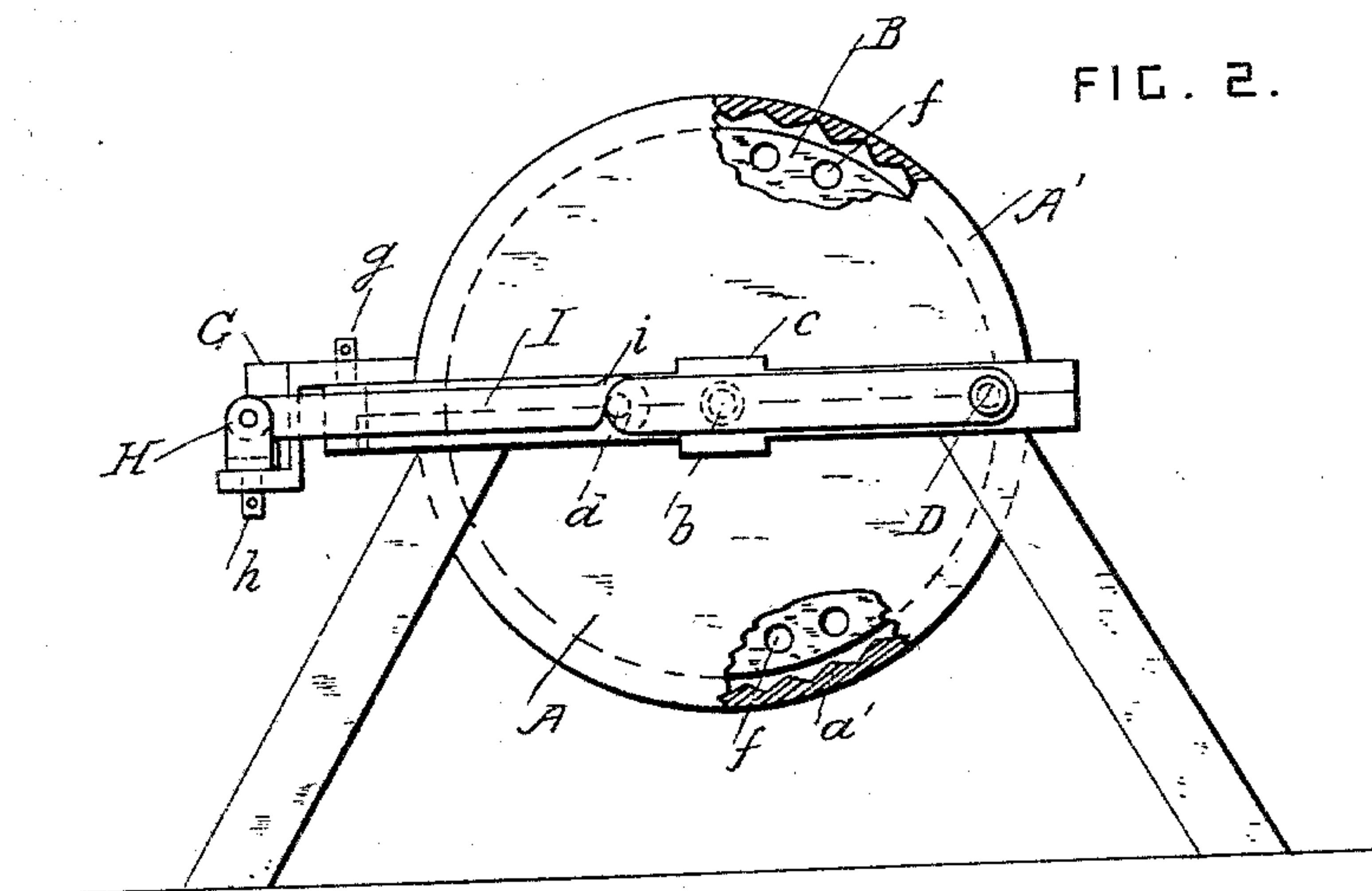


FIG. 2.

WITNESSES

J. Spring Tool
Frank L. Guey

INVENTOR

James A. Workman
by Herbert W. Jenner
Attorney

UNITED STATES PATENT OFFICE.

JAMES A. WORKMAN, OF MALDEN, MISSOURI.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 597,571, dated January 18, 1898.

Application filed March 15, 1897. Serial No. 627,537. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. WORKMAN, a citizen of the United States, residing at Malden, in the county of Dunklin and State of Missouri, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to washing-machines; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a plan view of the machine with the cover removed. Fig. 2 is a side view of the machine.

A is a tub provided with a semicircular corrugated bottom *a'* and parallel sides.

A' is a removable cover similar in shape and construction to the tub.

B B' are two washing-disks secured, respectively, on shafts *b b'*, which are journaled in bearings *c c'*, secured to the sides of the tub. The shafts *b b'* are arranged horizontally and the disks B B' are arranged vertically in the tub. The shaft *b* is provided with a crank *d* and a crank-handle D, and the shaft *b'* is provided with a crank *d'*. The shaft *b* is slidable longitudinally in its bearing *c* and is provided with a series of grooves *e*. A catch E is pivoted on a pin *e'*, projecting from the side of the tub, and engages with any one of the grooves *e*, so that the disk B can be set at any desired distance from the disk B'.

G is a lever pivoted on a vertical pin *g* at one end of the tub.

H are double eyes provided with vertical stems *h*, which are pivoted in the end portions of the lever G.

I is a rod pivoted to one of the double eyes H at one end and connected to the crank *d* at the other end. I' is a similar rod pivoted to the other double eye H at one end and con-

nected to the crank *d'* at the other end. The rod I is loosely connected to the crank *d* by means of a hook *i*, so that the shaft *b* may be slid longitudinally in its bearing. The rod I can be disconnected from its crank as often as desired, so that both disks can be revolved in the same direction, thereby rubbing the clothes against the corrugations of the tub and its cover. When the crank-handle is turned, one disk revolves in one direction and the other disk revolves in the reverse direction.

The clothes are placed in the tub between the disks and are washed by contact with the corrugations of the tub and its cover and the corrugations on the two disks.

The clothes may be turned over in the tub by sliding the disk B toward the disk B' so as to grip the clothes, then revolving the disk B one-half a revolution and sliding it away from the disk B' so as to let the clothes drop.

What I claim is—

In a washing-machine, the combination, with a tub having a semicircular and corrugated bottom, and a tub-cover having a semicircular and corrugated top; of horizontal shafts *b b'* journaled in the sides of the tub and provided with cranks *d* and *d'*, the said shaft *b* being slidable longitudinally and provided with circumferential grooves, a catch pivoted to the tub and engaging with the said grooves, vertical corrugated disks secured on the said shafts, a horizontal lever G pivoted at the end of the tub, rods I I' connecting the lever G with the cranks *d* and *d'*, the said rod I being detachable from its crank, and a crank-handle connected to the crank *d*, substantially as set forth.

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

JAMES A. WORKMAN.

Witnesses:

C. D. CRAWFORD,
G. T. VAN CLEW.