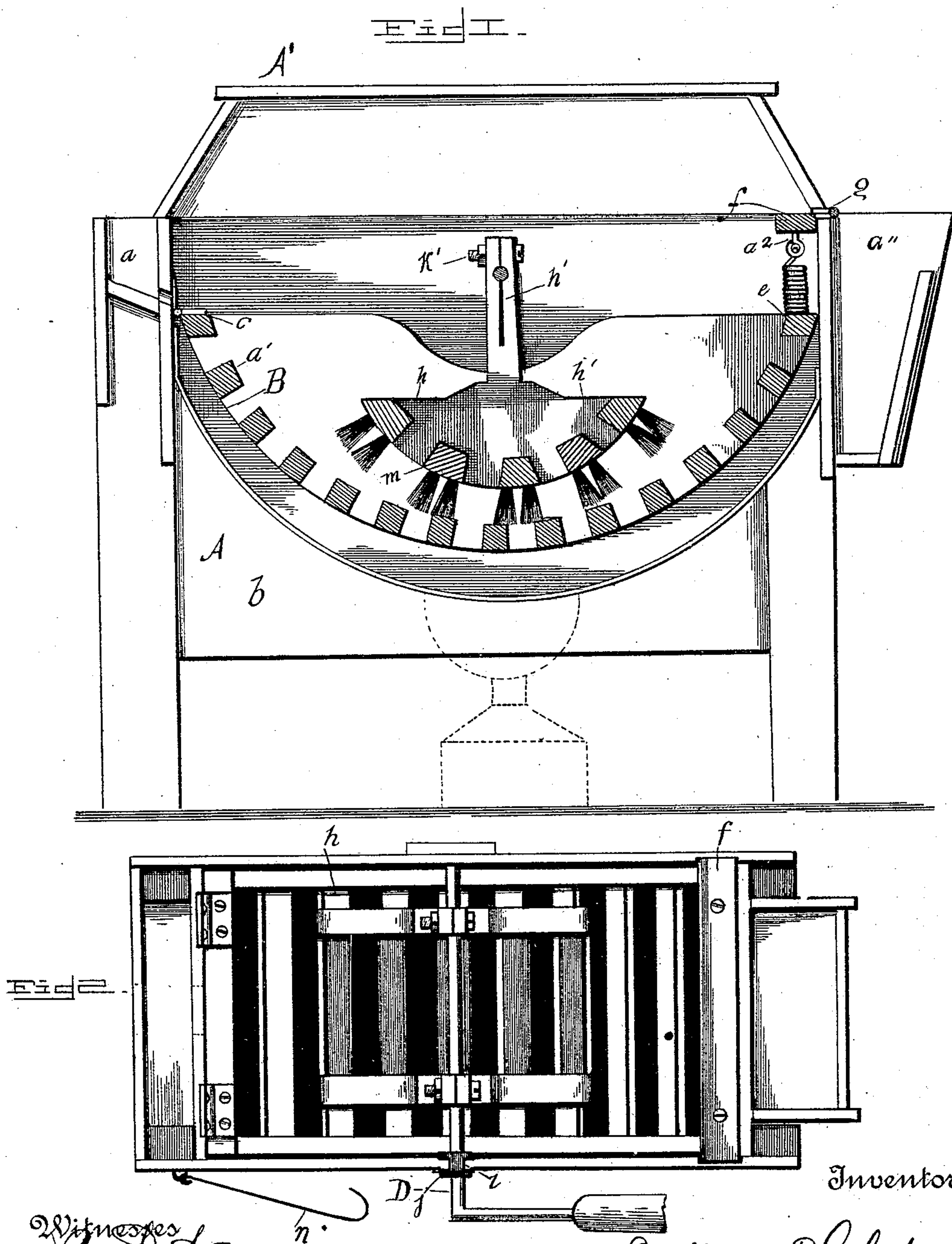


W. R. SALISBURY.
WASHING MACHINE.

No. 459,311.

Patented Sept. 8, 1891.



Witnesses
Paul W. Stevens.
Josef Hagmann.

Inventor
William R. Salisbury
By *Myers & Co.* Attorneys.

(No Model.)

2 Sheets—Sheet 2.

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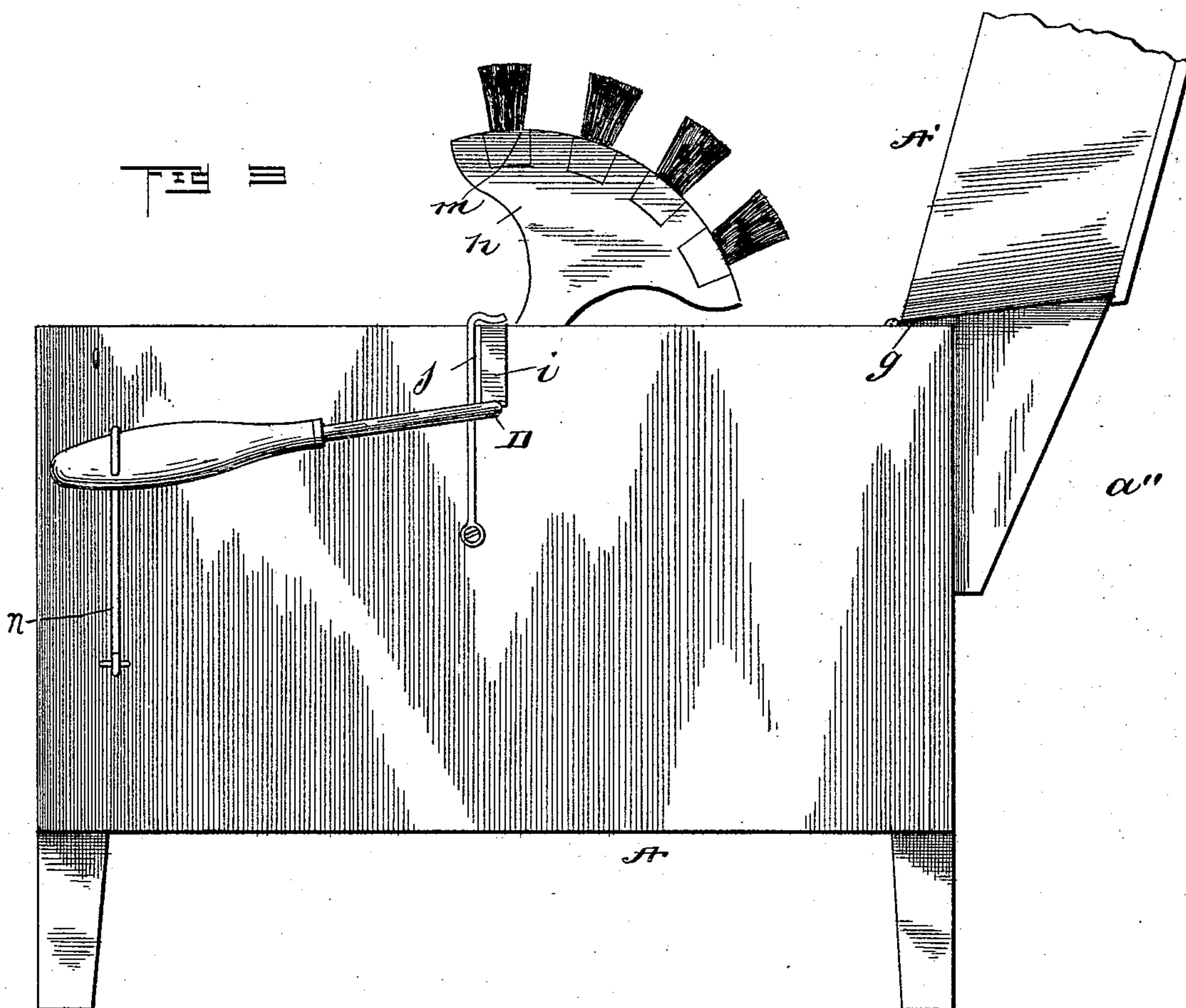
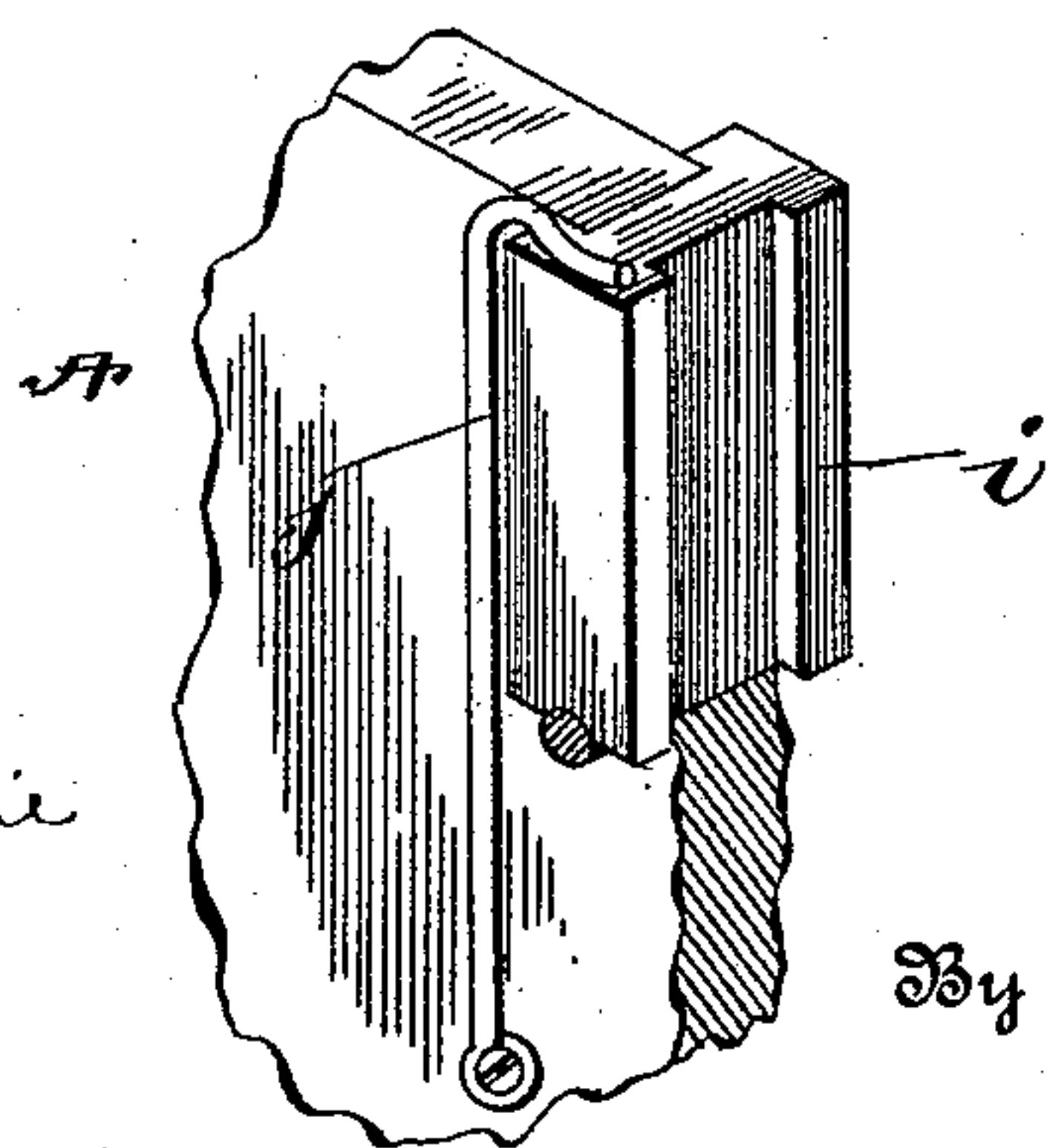


FIG 4



Witnesses
John D. Smith
J. H. Hagmann

Inventor
William R. Salisbury
By his Attorney
Myers & Co.

UNITED STATES PATENT OFFICE.

WILLIAM R. SALISBURY, OF LAKE CITY, IOWA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 459,311, dated September 8, 1891.

Application filed September 10, 1890. Serial No. 364,503. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. SALISBURY, a citizen of the United States of America, residing at Lake City, in the county of Calhoun and State of Iowa, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

My improvement in washing-machines is designed to produce a proper elastic pressure upon the clothes, to permit the boiling thereof in the machine, to provide recesses for the settlement of the dirt at the bottom beneath the rack as washed from the clothes, and also to provide, in connection with the machine, a convenient box-receptacle for clothes and for the attachment thereof of a wringer and also a soap-box; and my invention consists in the novel construction, combination, and arrangement of the parts, as hereinafter described, and shown in the accompanying drawings, in which—

Figure 1 is a cross-section of my washing-machine, and Fig. 2 a plan view thereof, the cover being removed. Fig. 3 is a side view of the same, showing the brush-rubber elevated; and Fig. 4 is an enlarged detail view showing the removable bearing of the rubber-shaft and its retaining-hook.

In constructing my washing-machine I form the tub A, having soap-box *a* and wringer-tub *a'* connected therewith, of any suitable sheet metal, beneath which I place the lamp for heating the water, (shown in dotted lines,) and in tub A is placed rack B, consisting of the cross-bars *a'* and the side walls *b*. The rack B is hinged at *c* to the lateral walls of the tub at one end, its opposite end being adjustably held by the spiral springs *a*², and each spring is secured to cross-bar *e* of the rack at its lower end and to the upper cross-bar *f* at its upper end. Tub A is also provided with lid A', hinged thereto at *g*, which may be hooked down tightly on the tub by means of ordinary hooks and staples. Into tub A thus constructed is inserted the brush-rubber *h*, which is suspended upon the crank D, the crank having its bearings at the inner end in the wall of the tub where re-enforced, as shown, but in the outer end is secured by the dovetail block or bearing *i*, which is held steadfast by the hook-ended fastening *j*. The brush-rubber *h* has formed therein a slit and

orifice, as shown at *h'*, and its arms *k* are held rigidly to crank D by tightening the nutted bolts or screws *k'*. The brush-rubber *h* consists of the curved frame *h'*, having recesses wherein are inserted and secured the hair-brushes *m*.

In operating the machine the rack is sprung down and the clothes, whether large or small, are passed between the rack and the brush-rubber, and the dirt in washing passes through the rack and settles on the bottom of the tub, thus preventing the clothes from constantly wiping up the dirt.

In inserting the clothes the crank is turned toward the front end and the hook *n* is caused to clasp the crank-handles, and thus to hold the brush-rubber suspended and out of way of the clothes, and when the operation is completed by removing the dovetail block *i* the brush may be removed and the machine cleansed. Thus constructed heated water is employed to facilitate the operation, and to more thoroughly cleanse the clothes the dirt is precipitated beyond the reach of the clothes, the clothes are subjected to suitable elastic pressure, and provision is made for the attachment of a wringer to the machine and for elevating the brush-rubber in depositing the clothes therein, and in all respects a very complete and highly efficient washing-machine is produced.

Having thus fully described my invention, I claim—

The washing-machine having the brush-rubber, with its arms provided with slits and screws adapted to hold the handled shaft in said arms, the clothes or fabric receptacle through a slot in which passes said shaft, and the shaft-confining block let into said slot above and held upon said shaft by the hook-ended pivoted fastening *j*, engaging the said block at its upper end, said brush-rubber adapted to stand or incline toward one end of said receptacle when elevated and its handled shaft adapted to be held by a hook connected to the receptacle, substantially as set forth.

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

WILLIAM R. SALISBURY.

Witnesses:

J. M. TOLIVER,
J. O. SMITH.