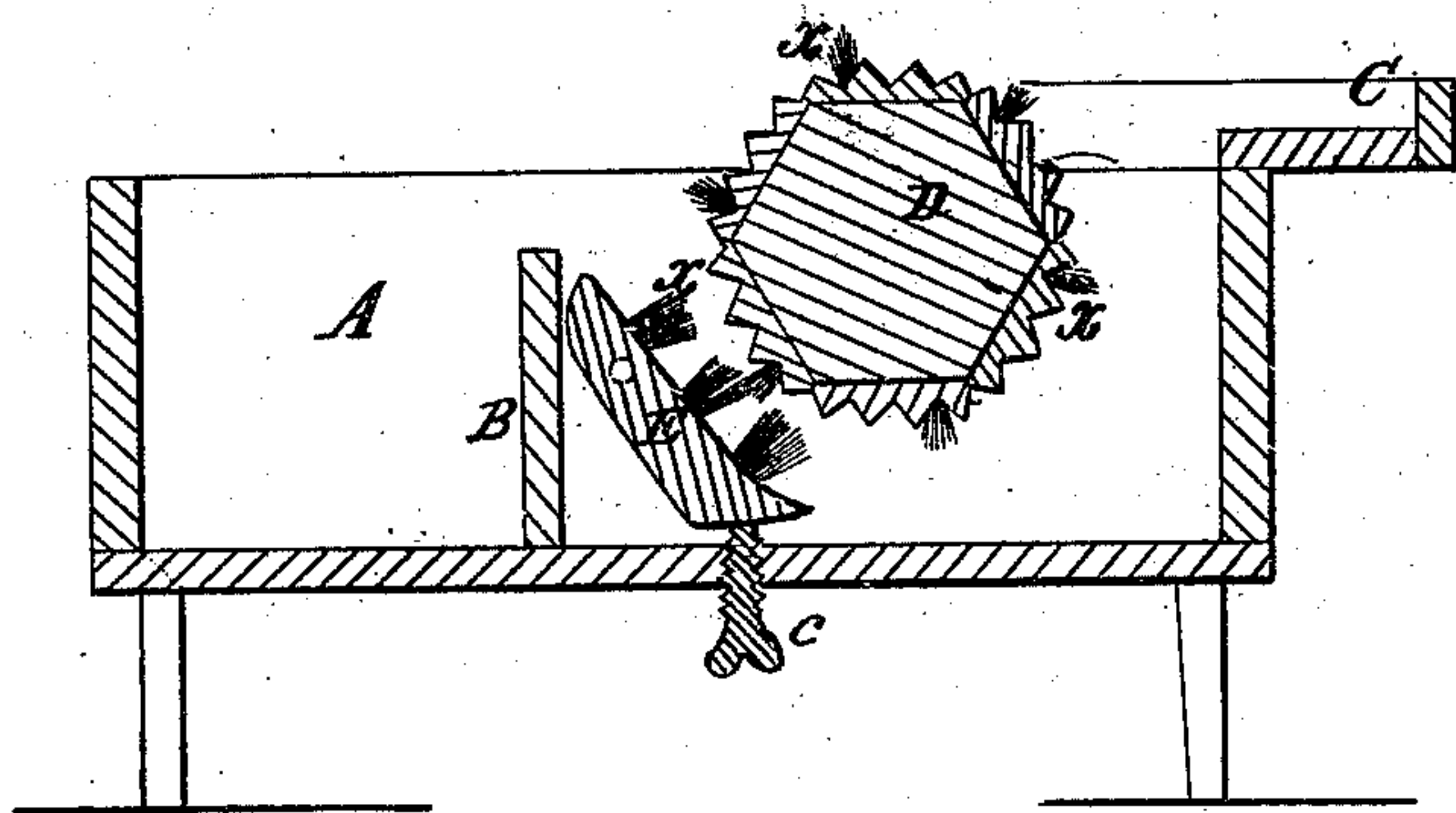
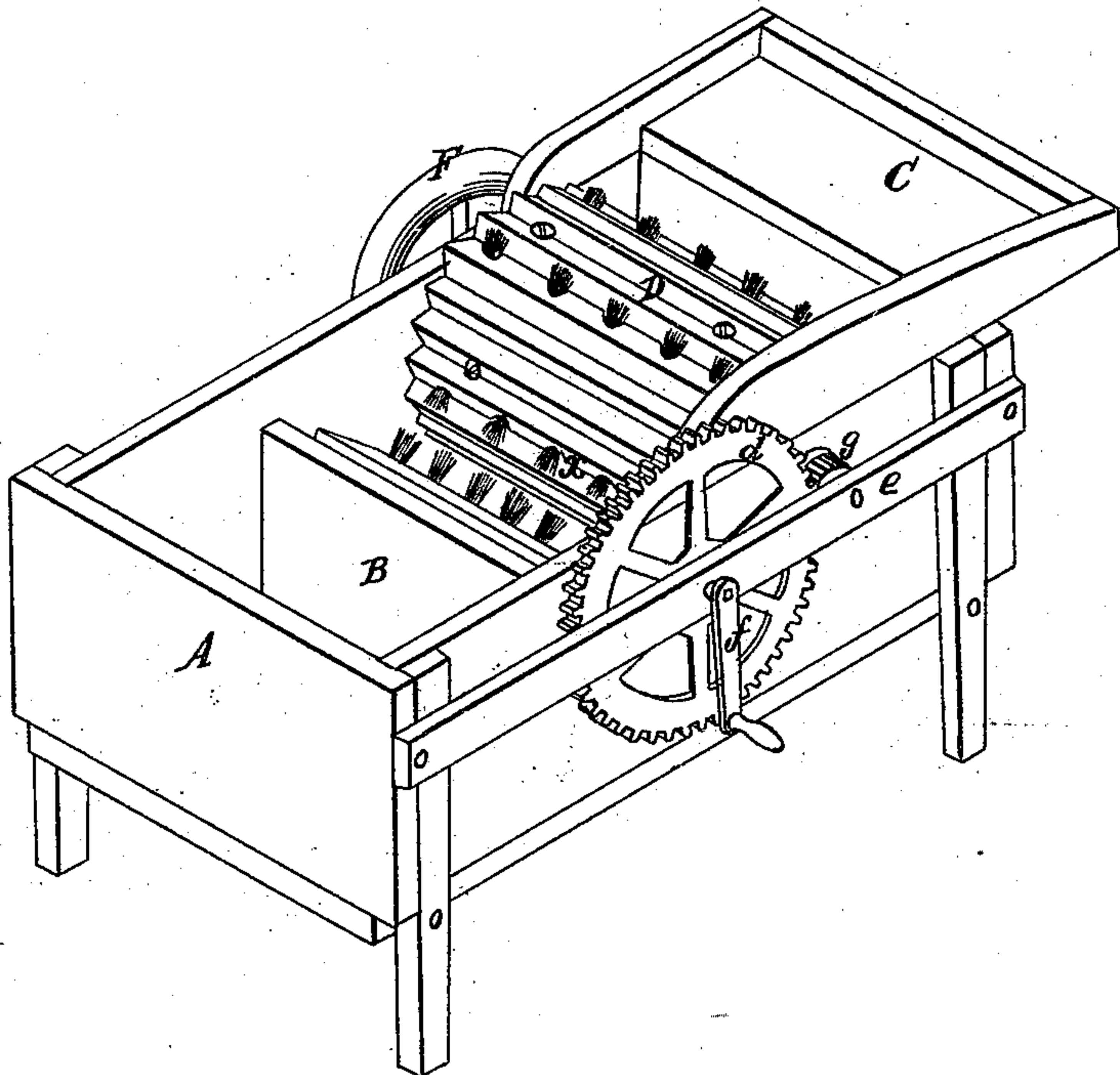


C. Milner,
Washing Machine,
N^o 80,000. *Patented July 14, 1868.*



Witnesses:
A. D. Stockbridge
C. H. Blue

Inventor:
C. Milner
by Alexander Garason
attys

United States Patent Office.

CYRUS MILNER, OF DES MOINES, IOWA

Letters Patent No. 80,000, dated July 14, 1868.

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, CYRUS MILNER, of Des Moines, in the county of Polk, and in the State of Iowa, 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 the letters of reference marked thereon.

In the annexed drawings, making a part of this specification, A represents a rectangular box, of any desired dimensions, provided with suitable legs, and with a partition, B, across it, near the middle, and also provided with or having attached to and above one end a table or shelf, C, designed as a convenient place for soap and other articles or materials used for washing purposes.

D represents a corrugated roller, constructed of a series of corrugated staves, which are screwed to the main cylinder, so as to be adjustable, and when worn out, other staves may replace those worn out.

The cylinder D fits in and is adjusted in the box A, and has a pinion, *g*, attached to one end of its shaft, outside of the box A, and a fly-wheel, F, at the other end.

Each of the staves of the cylinder D is provided with or has attached to it a series of brushes, *x x*, composed of bristles, or other suitable material, and when said staves are screwed to the main cylinder, there is a series of parallel rows of brushes *x x* on said cylinder D.

E represents a concave corrugated board, and corresponds with the convexity of the corrugated cylinder D, pivoted between the sides of the box A, at a suitable distance from the cylinder D, and is provided with parallel rows of brushes *x* somewhat larger but corresponding with those on the cylinder D.

Beneath the under face of the board E, and through the bottom of the box A, is placed a set-screw, *e*, for the purpose of adjusting said board, and regulating the space between the said board and the cylinder D, so as to correspond with or to the thickness or bulk of the material to be washed.

The series of brushes *x x* on the cylinder D and board E is designed as convenient and excellent rubbers or scourers, for thoroughly cleansing and washing clothes.

d represents a drive or crank cog-wheel, adjusted in one side of the box A, and a slat or strip, *e*, extending along the side of said box by a suitable shaft, which shaft has the crank *f* secured to it, and to which power is applied.

The cog drive-wheel *d* meshes in the pinion *g*, and by that means the cylinder D is made to revolve whenever power is applied to the crank, *f*.

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

The box A, cylinder D, and adjustable board E, when said cylinder is provided with a series of corrugated staves and brushes, as described, and the board E with corresponding brushes, to operate substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal, this 21st day of December, 1867.

CYRUS MILNER. [L. S.]

Witnesses:

JAMES EMBREE,

LEVI J. BROWN.