

F. C. Walker,

Washing Machine.

N^o 45,283.

Patented Nov 29, 1864.

Fig. 1.

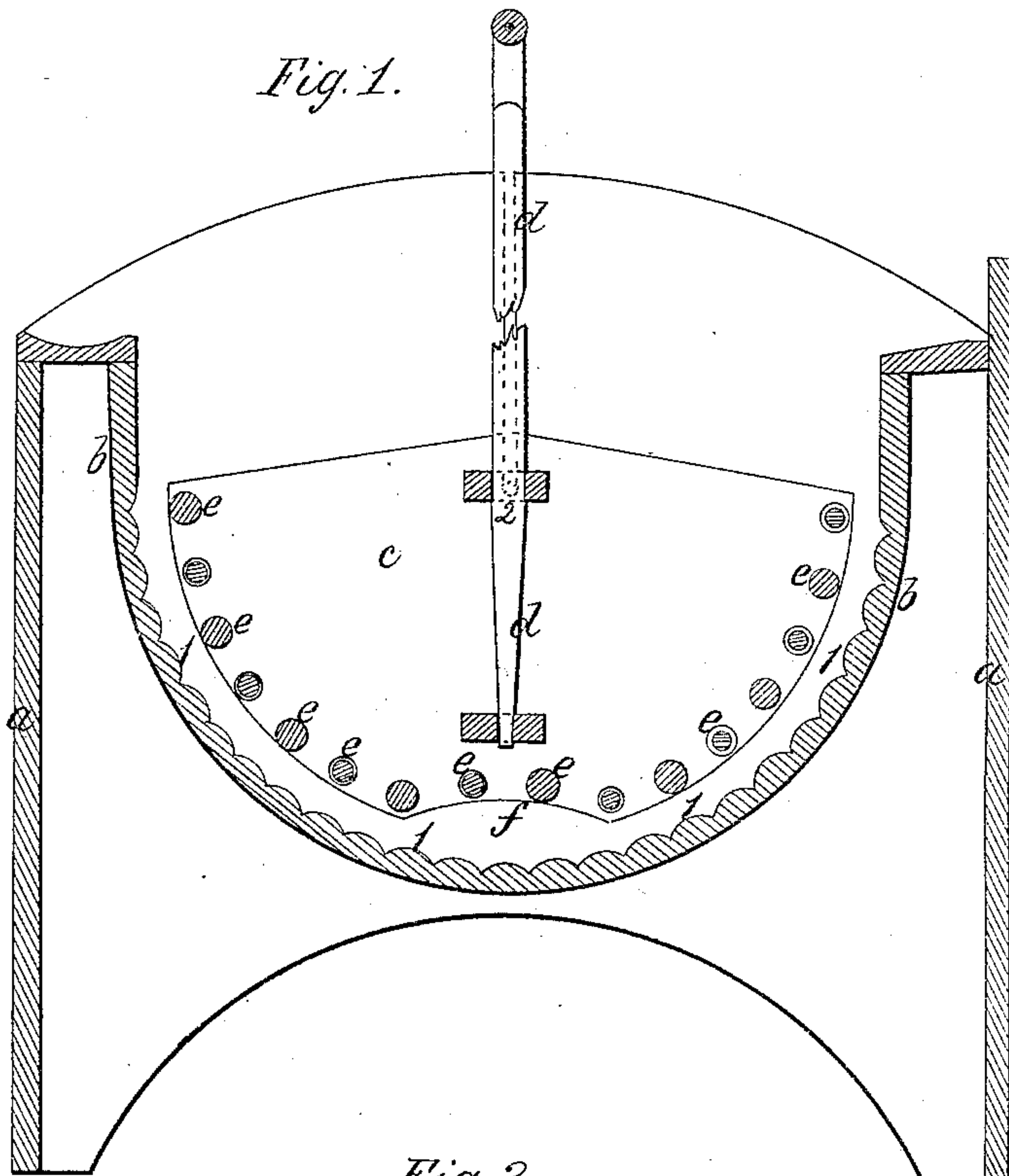
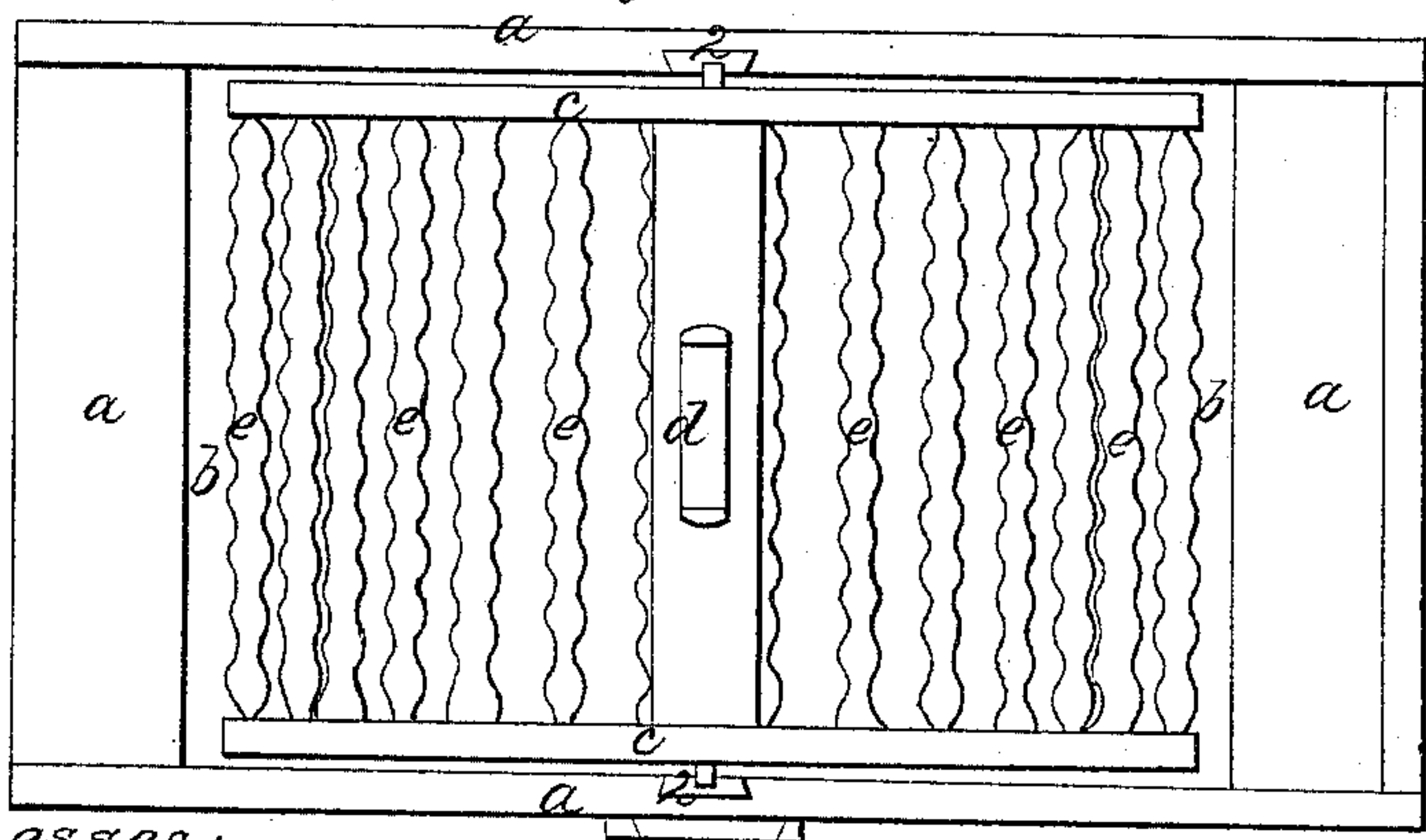


Fig. 2.



*Witnesses;
Not a barved,
Chas. K. Smith*

*Inventor;
Frederick C. Walker*

UNITED STATES PATENT OFFICE.

FREDERICK C. WALKER, OF NEW YORK, N. Y.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 45,283, dated November 29, 1864; antedated November 16, 1864.

To all whom it may concern:

Be it known that I, FREDERICK C. WALKER, of the city and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a vertical section of said machine, and Fig. 2 is a plan of the same.

Similar marks of reference denote the same parts.

Washing-machines have heretofore been constructed in which a semi-cylindrical rubber has been used in a concave tub and the rubber-surfaces have been corrugated.

The nature of my said invention consists in a concavity in the under side of the semi-cylindrical rubber, that acts to produce a constant change in the position of the clothes by causing them to be alternately relieved of pressure, and then again compressed by the rubber, and causing one portion of the clothes to slide upon or move over the other portion as the same are gathered by the action of the said concavity as the rubber is moved, in combination with a series of corrugated or ribbed circular slats, the corrugations of which are alternating with those of the adjoining slats, so that the clothes are thoroughly rubbed and worked about sufficiently to operate on all parts with the least amount of wear and with but little labor.

In the drawings, *a* is a tub formed with a half-cylindrical bottom, *b*, having a ribbed or corrugated surface at 1 1, and in the sides of the tub are grooves receiving the studs or journals 2 2 of the semi cylindrical rubber *c*, that is to be actuated by the handle *d*, and is fitted with slats *e e*, extending from one semi-circular side of the rubber to the other. These slats are to be turned in the form of corrugated rollers and placed in such a manner that the projection of one is on the line of the depression or small diameter of the next slat, in order that the clothes may be rubbed with uniformity over the entire surface. The middle portion of this rubber is formed with a concave part at *f*, whereby a space is left between the rubber and the tub, in order that the clothes rising in this by the action of the water may be moved and changed in position instead of being simply held in position and rubbed.

What I claim, and desire to secure by Letters Patent, is—

Constructing a washing-machine with a series of corrugated slats alternating with each other, in combination with a semi-cylindrical rubber formed with a cavity, *f*, for the purposes and as specified.

In witness whereof I have hereunto set my signature this 6th day of April, 1864.

FREDERICK C. WALKER.

Witnesses:

THOS. GEO. HAROLD,
CHAS. H. SMITH.