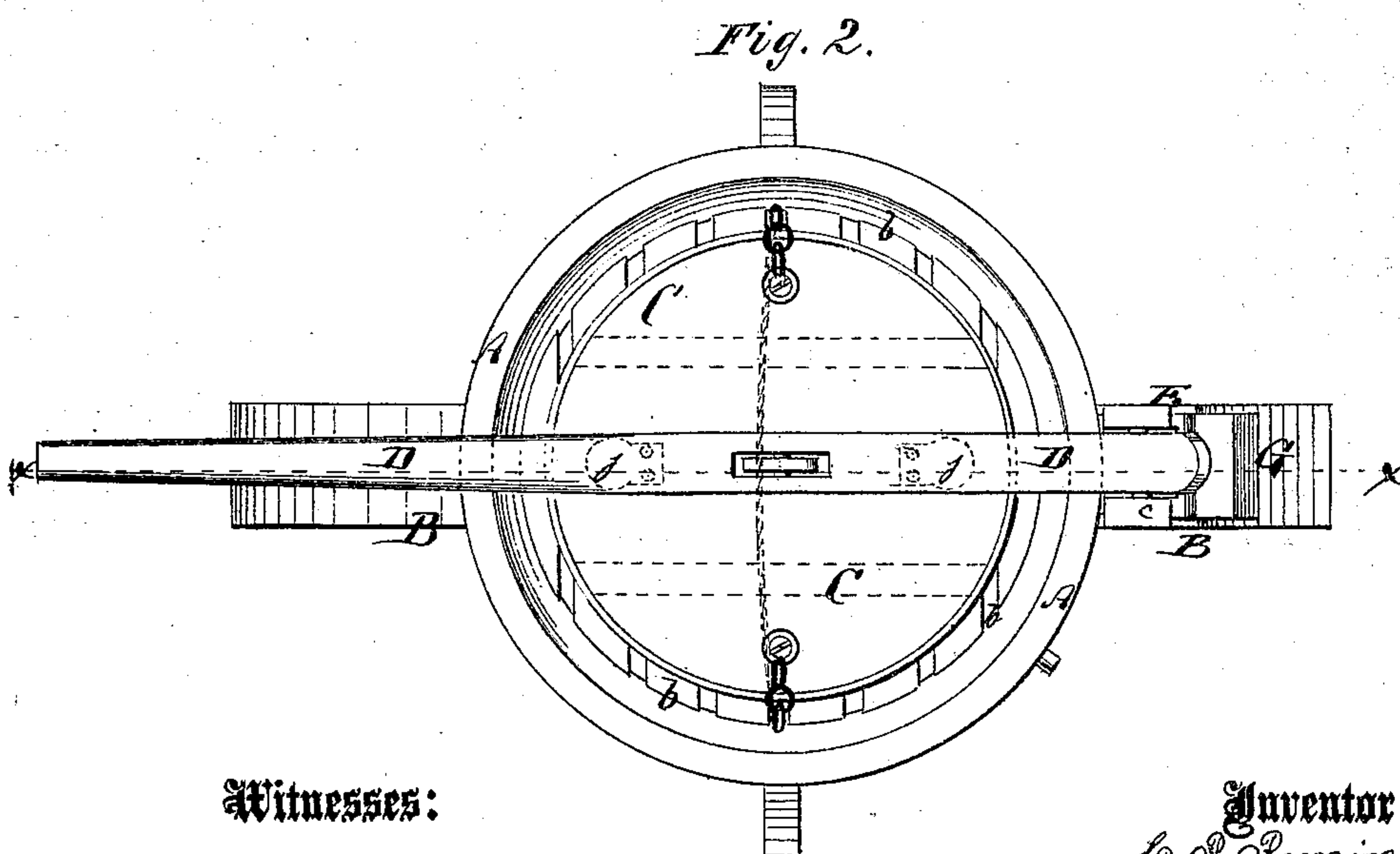
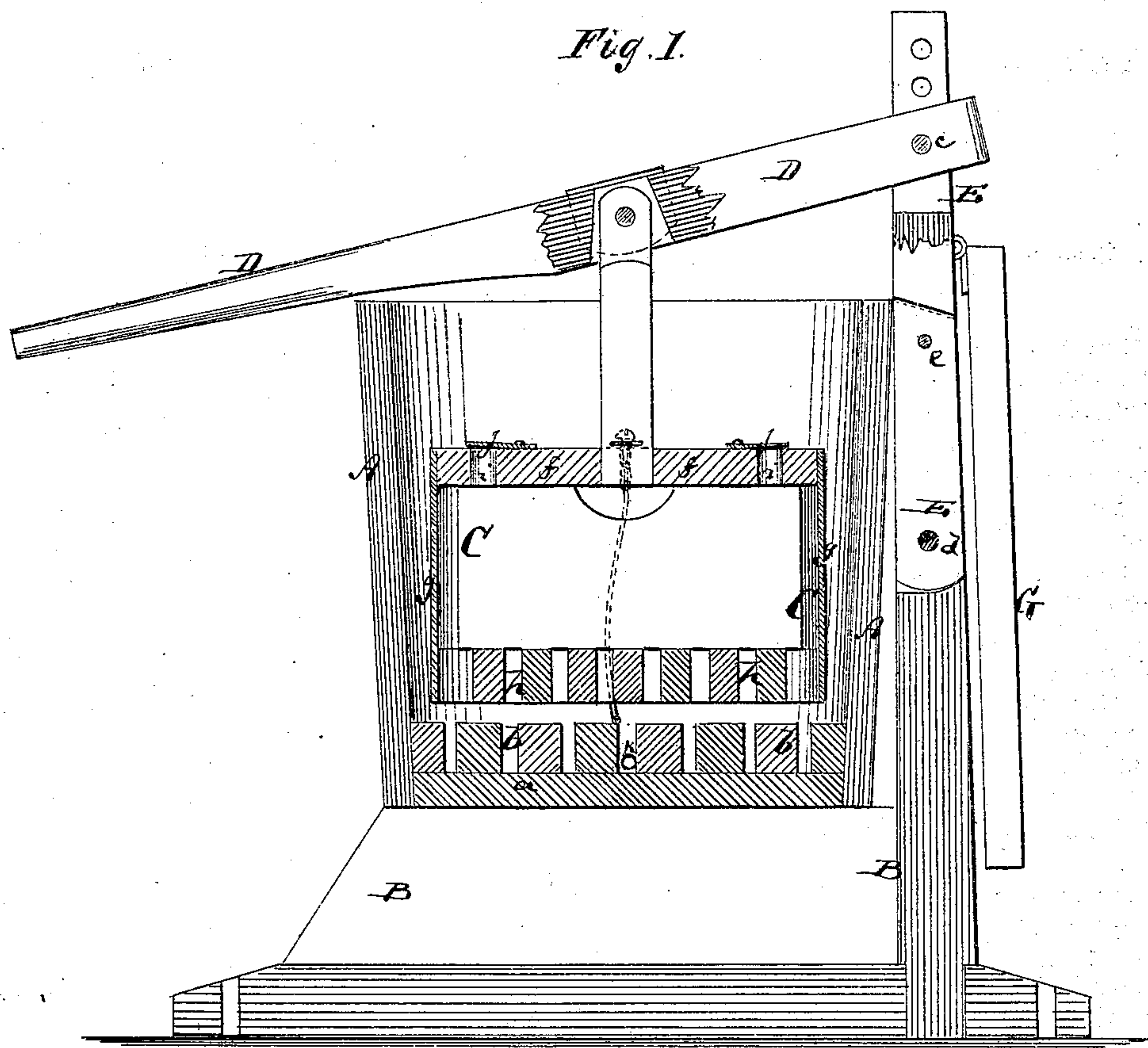


C. P. REMINGTON.
Improvement in Washing-Machines.
No. 115,105.

Patented May 23, 1871.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHAUNCY P. REMINGTON, OF SMITH'S MILLS, NEW YORK.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 115,105, dated May 23, 1871.

To all whom it may concern:

Be it known that I, CHAUNCY P. REMINGTON, of Smith's Mills, in the county of Chautauqua and State of New York, have invented a new and Improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a vertical longitudinal section of my improved washing-machine taken on the plane of the line *x x*, Fig. 2. Fig. 2 is a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new washing-machine which operates partly by suction and partly by forcing the suds upon the goods, which are loosened by suction. A rapid and thorough cleansing action is thus effected.

A in the drawing represents the suds-box, made in form of an ordinary tub or of other suitable shape. It is mounted upon a frame, B, which can be screwed or otherwise firmly secured upon the floor so that it cannot tip. The bottom *a* of the suds-box supports a series of slats, *b b*, as shown. C is a plunger suspended within the suds-box from a lever, D, which is pivoted at *c* to a swinging post, E. This post is at *d* pivoted to the frame B, but can be locked in an upright position by a pin, *e*. The plunger is composed of a top plate, *f*, band or rim *g*, and perforated slotted bottom *h*. In the top plate are two, more or less, apertures, *i*, which are closed by valves *j*.

The articles to be washed are by a cord or string secured against the under side of the plunger. Suds are poured into the tub to the requisite height. By drawing up the plunger the valves will be closed, and the clothes under it will be loosened and drawn apart by suction, which is produced by such movement. The plunger is then let down, when the valves open, letting the suds rush upwardly through the loose clothes, so that the latter will be thoroughly soaked and exposed to the action of the suds. Finally, the clothes are squeezed between the slats *b* and *h*. After a succession of such movements, which are obtained by a manipulation of the lever D, the clothes will be found thoroughly cleaned.

The plunger can then be lifted out, the pin *e* removed, the post E swung into a nearly horizontal position, and supported therein by a brace, G, so that the plunger may rest on the edge of the suds-box, permitting the removal and replacement of clothes.

The suds can be withdrawn through an opening, K, in the side of the tub, which during operation is properly closed.

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

The reciprocating plunger C, provided with the perforated bottom and top and with the valves *j j*, and combined with the tub A, to operate partly by suction and partly by pressure, as set forth.

CHAUNCY P. REMINGTON.

Witnesses:

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