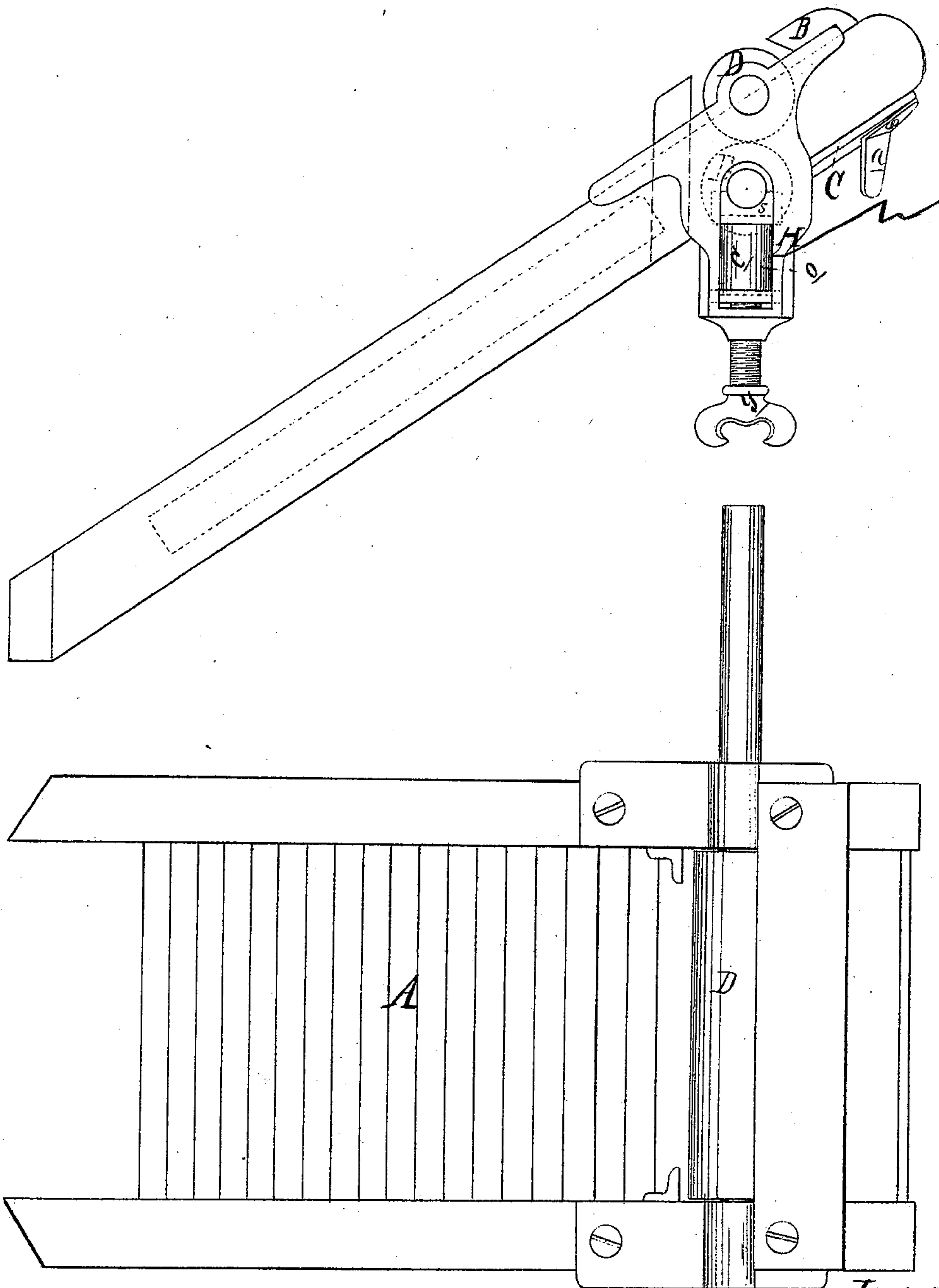


*A. Tower,*

*Wash Board.*

*No. 96,512.*

*Patented Nov. 2, 1869.*



*Witnesses*  
*E. W. Anderson*  
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# United States Patent Office.

AMBROSE TOWER, OF NEW YORK, N. Y.

Letters Patent No. 96,512, dated November 2, 1869.

## IMPROVED WASH-BOARD AND WRINGER-FRAME.

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, AMBROSE TOWER, of New York, in the county of New York, and State of New York, have invented a new and valuable Improvement in Combined Wash-Boards and Wringers; and do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is a side view of my invention.

Figure 2 is a top view of the same.

My invention has relation to washing and wringing-apparatus; and

It consists in improvements upon my combined wash-board and wringer, for which a patent was allowed July 9, 1869, by which said wash-board and wringer are intended to be well adapted for general use.

The letter A, of the drawings, represents a wash-board, having bevelled feet to its side bars, by which it is adapted for sitting firmly in the bottom of a circular wash-tub.

The head of this wash-board has cross-bars, B and C, and also hooks, *a*, by which it may be made fast to the top of a circular tub.

The letters D represent my wringer-rollers, set diagonally in the head of the board, as shown.

The foregoing devices are mainly represented in my device for which a patent was allowed July 9, 1869, but varying somewhat in details, and hence this application is not intended to secure them by patent.

The main feature of my present invention consists in constructing metallic frames for holding the rollers

of the wringer, and arranging therein blocks, springs, and set-screws, for operating said rollers.

These frames are represented on the drawings by the letter H, and are adapted for attachment to the head of an ordinary wash-board.

The letters *o* represent openings in the frames H, that serve as journal-boxes for the rollers, the lower opening being made in the form of a slot, as shown.

In this slotted opening, I arrange the India-rubber block *c*, that serves as a spring, operating the sliding block *s*, that fits to the bottom of the journal of the lower roller, and serves as a box therefor.

These rubber springs *c* are actuated by the thumb-screws *y*, that work in threads formed in the extreme hollow or lower ends of frame H, and are used to tighten or loosen the rollers at will.

The above-described arrangement of constructing the frames H in single pieces of cast-metal is found to be far less expensive than the ordinary methods for adjusting and operating the wringers, and I claim that the same is an improvement belonging exclusively to myself, and that it is of great value in the manufacture of combined wash-boards and wringers, by lessening the cost thereof.

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

The wringer-frames H, and blocks *c* and *s'*, when constructed as herein described, and combined with a wash-board, substantially as specified.

In testimony that I claim the above, I have hereunto subscribed my name, in the presence of two witnesses.

Witnesses: AMBROSE TOWER.  
JAS. S. WIGHTMAN,  
A. G. SHATTUCK.