

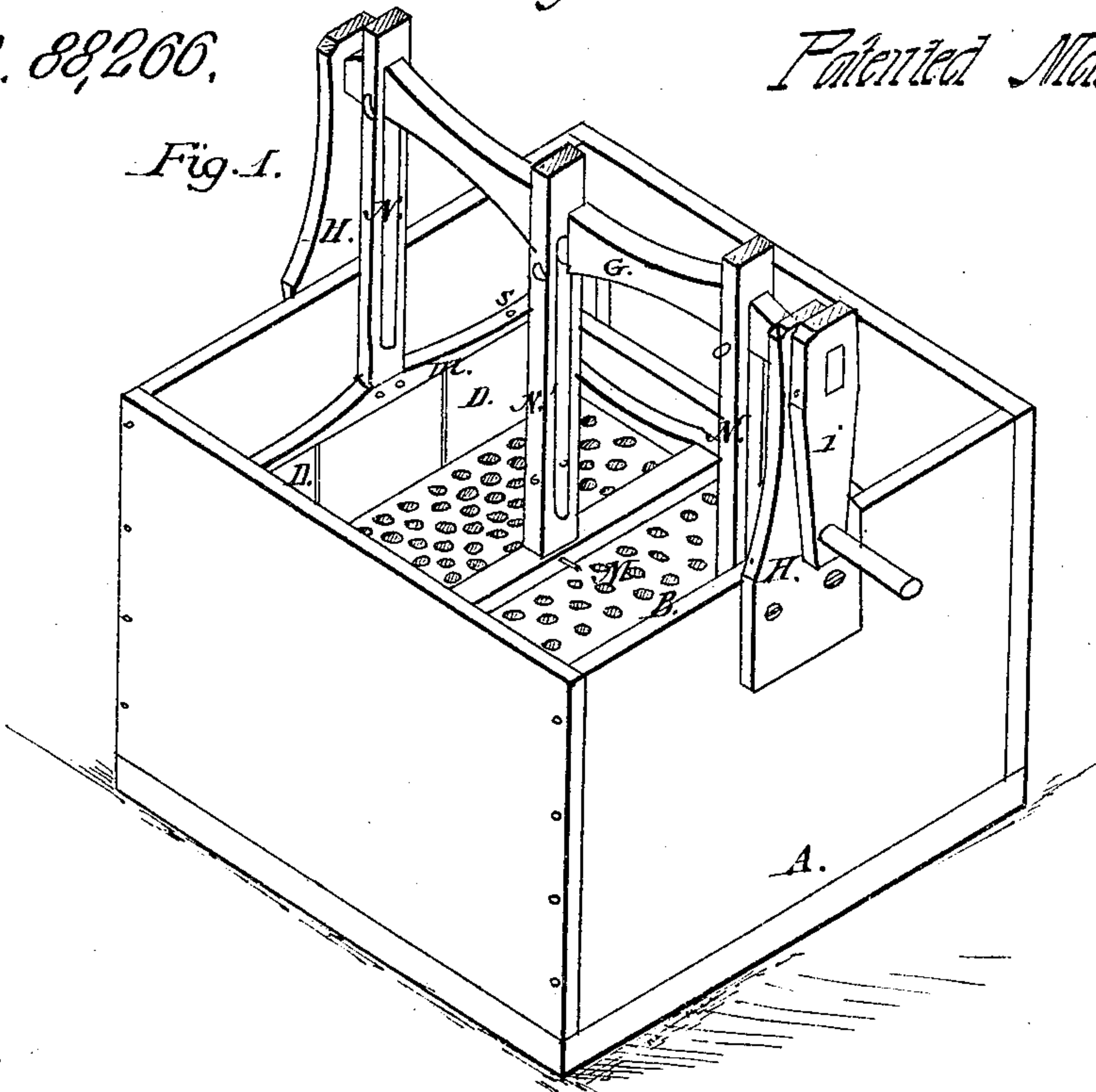
*J Brinkerhoff,*

*Washing Mach.*

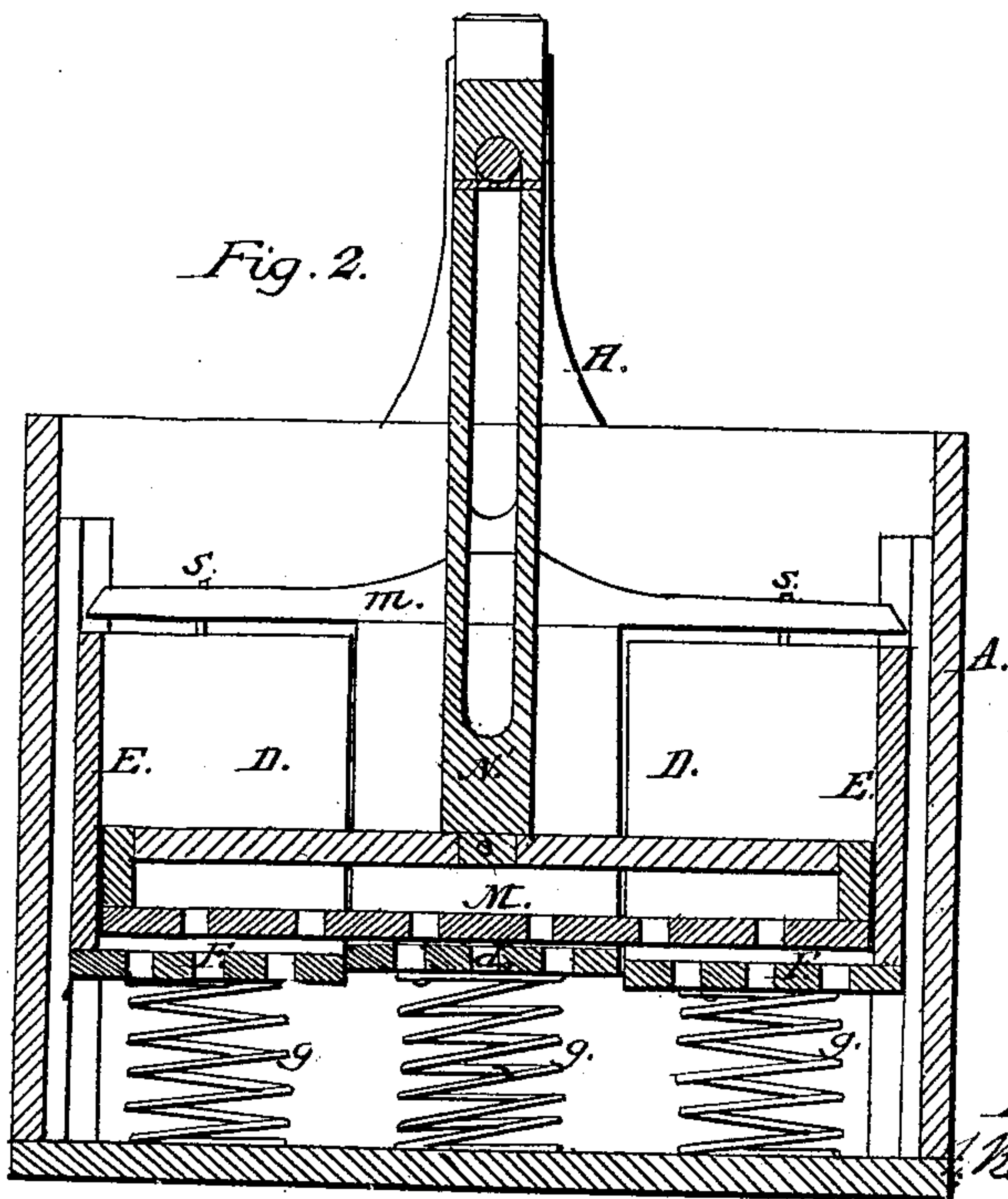
*No. 88,266.*

*Patented Mar. 30. 1869.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*  
*Jno. A. Ellis*  
*Wm. A. Miller*

*Inventor:*  
*J Brinkerhoff*  
*Wm. A. Alexander*  
*att'y*



# United States Patent Office.

JACOB BRINKERHOFF, OF AUBURN, NEW YORK.

Letters Patent No. 88,266, dated March 30, 1869.

## 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, JACOB BRINKERHOFF, of Auburn, in the county of Cayuga, and State of New York, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 represents a perspective view of my machine.

Figure 2 is an end elevation of the same, with the external casing removed.

The nature of my invention consists in the employment of a clothes-box and press-board, so operated that the one will ascend, while the other descends, substantially as and for the purpose hereinafter set forth.

It consists, further, in constructing the clothes-box in sections, beneath which are placed springs.

A, in the annexed drawings, represents the external casing of my machine.

B designates the clothes-box; the side-pieces E of which are made adjustable, as are also the end-pieces D D, the said end-pieces being firmly secured to the side-pieces E.

F F represent two sections of the bottom of clothes-box B, the said sections being also fastened to side-pieces E E.

Between sections F F is a third section, *d*, which constitutes one-third of the bottom of box B, and is, like the sections F F, supported by spiral springs *g g*.

The end-pieces D D receive their downward motion from the cross-bar *m*, which is fastened securely to pitman N.

*s s* represent two rods, one being inserted into the upper end of each end-piece D, and then passing through bar *m*.

The object of said rods is to allow the end-pieces free vertical play.

The section *d* will be kept in position by end-pieces D D.

It will be seen that the end-pieces D will have spiral springs *g* beneath them.

To the press-board M is secured the pitman N'.

G designates the crank-shaft, which rests at its ends in uprights H H.

It will be observed that the crank-shaft G is so curved that the journals on which pitmen N N are designed to work, are on one side of the shaft G, and the journal on which the pitman N' works, is on the opposite side of said shaft, so that at every revolution of said shaft, the pitman N' will move in the opposite direction to pitmen N N, and that there will be an alternate receding and approaching of press-board M and sections F F and *d*.

By this alternate pressure, the water entering through the perforations already mentioned will carry off the dirt from the clothes by means of the pressure resulting from the combined action of press-board M and sections F F and *d*, as above described.

In order to keep the clothes-box B in position, and leave the required space between the said box and the interior of casing A, slats are nailed at the corners of A, against which the clothes-box will rest.

In operating my machine, it will be observed that when the crank I is placed in a vertical position, the press-board M will be raised to its highest point, and at every semi-revolution the press-board will descend to its lowest point; and it will also be seen that the sections F F and *d* will recede when the press-board M is rising, and rise when the press-board is descending, this last motion of sections F F and *d* being produced by the springs *g g g*.

Having thus described my invention,

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

1. The clothes-box B, constructed in sections, and with perforated bottom, in combination with springs *g g g g*, and arranged to operate substantially as described.

2. The clothes-box B, in combination with press-board M, so to operate that while the box is ascending, the board will descend, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own, I affix my signature, in presence of two witnesses.

JACOB BRINKERHOFF.

Witnesses:

JOHN S. BRINKERHOFF,  
TUNIS POST.