

No. 661,930.

Patented Nov. 13, 1900.

G. W. FINCH.
MOP WRINGER.

(Application filed Apr. 14, 1900.)

(No Model.)

Fig. 1.

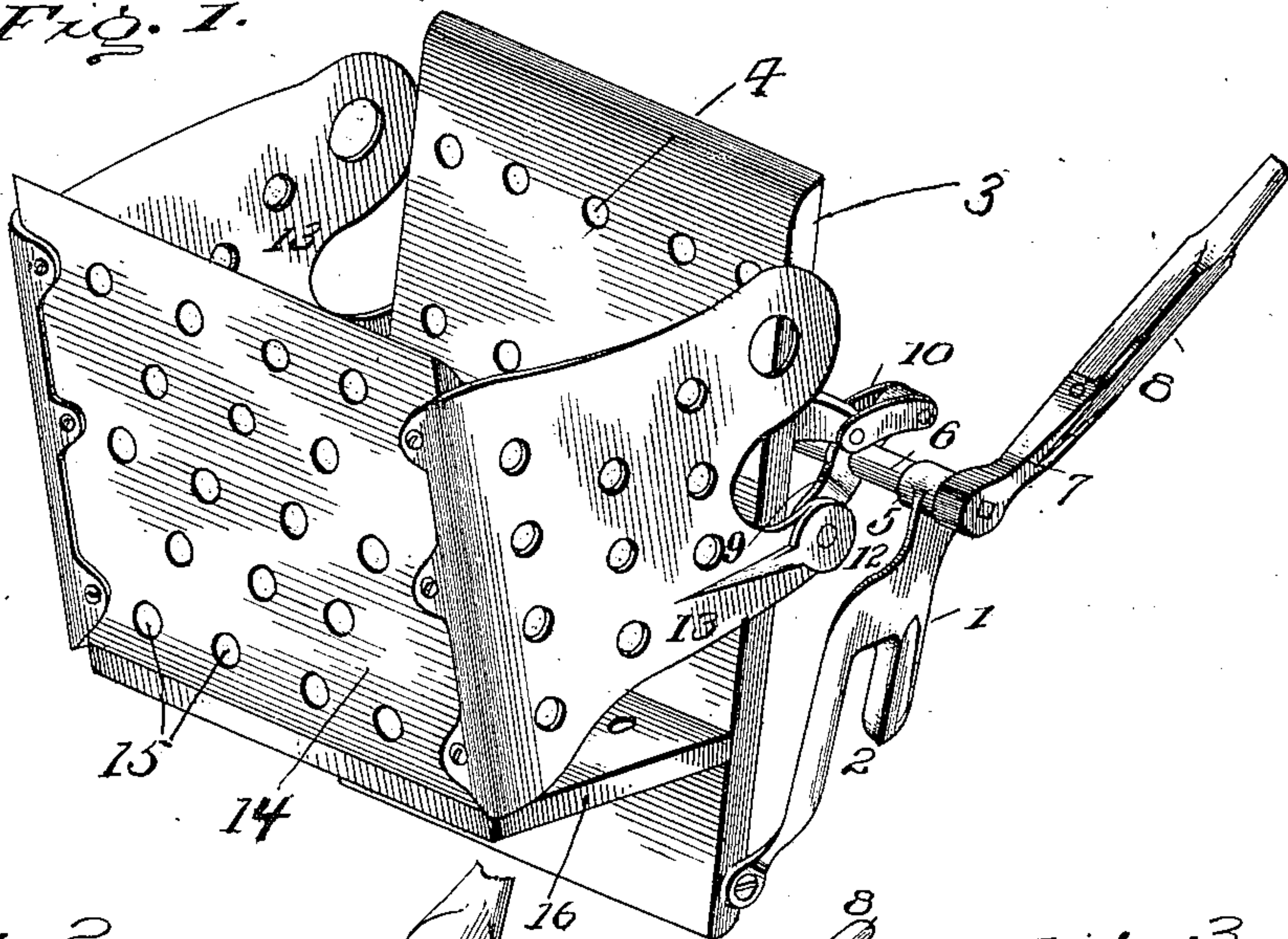


Fig. 2.

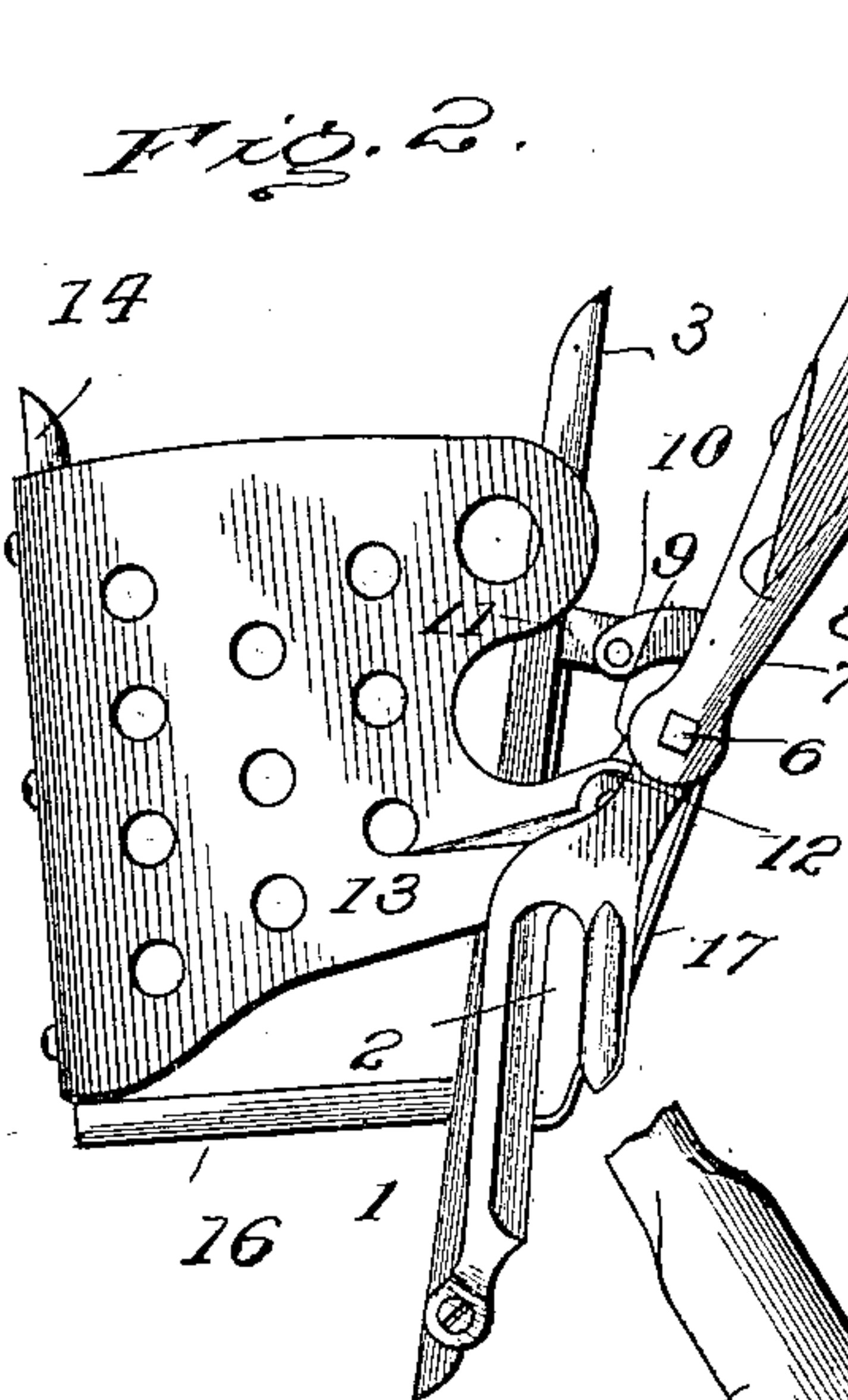


Fig. 3.

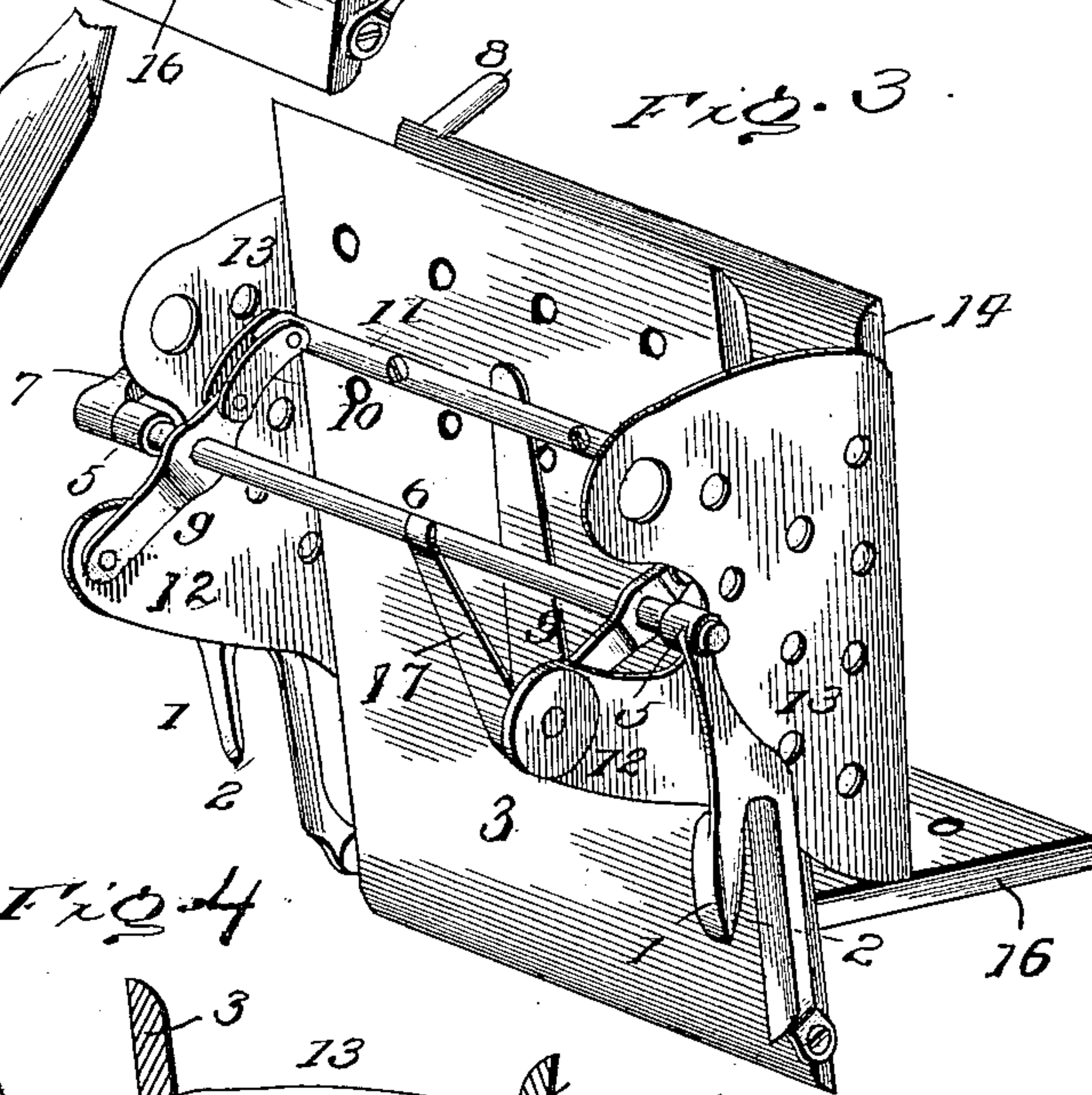
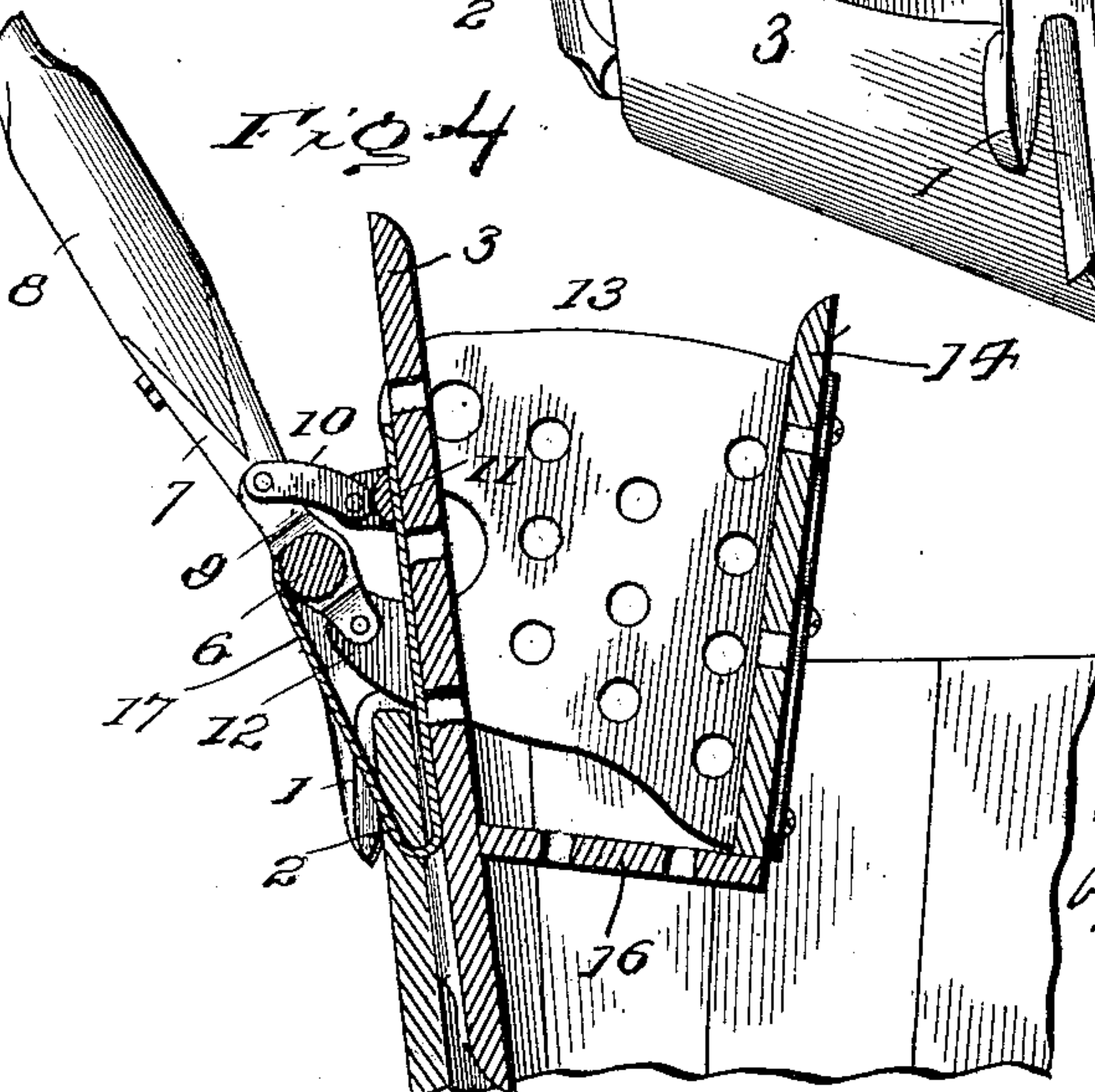


Fig. 4.



Witnesses
[Signature]
Lula Noel.

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Geo. W. Finch
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UNITED STATES PATENT OFFICE.

GEORGE W. FINCH, OF HOMER, NEW YORK.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 661,930, dated November 13, 1900.

Application filed April 14, 1900. Serial No. 12,831. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. FINCH, a citizen of the United States, residing at Homer, in the county of Cortland and State of New York, have invented certain new and useful Improvements in Mop-Wringers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to mop-wringers of that class which are adapted to be attached to an ordinary bucket; and it consists generally in the novel construction and arrangement of the various parts and their combination, as will be hereinafter more particularly described, and set forth in the claims.

The principal object of the invention is to so improve the efficiency of this class of machines that the wringing of the mop will be rendered more thorough and effective than has heretofore been accomplished; and this object is attained by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved mop-wringer unattached; Fig. 2, a side elevation of the same; Fig. 3, a rear perspective view showing the device in closed position, and Fig. 4 a central vertical longitudinal section showing the wringer attached to the side of a pail.

Referring to the several views, the numeral 1 indicates two brackets, which are provided with slots 2, adapted to receive the edge of a bucket or pail. The lower end of each bracket is pivoted to the side edge of a rear presser-board 3, which is preferably provided with perforations 4. The upper ends of the brackets are formed with suitable bearings 5, in which is journaled a rockable shaft 6, one end of which projects beyond its bearing and is provided with a socket-arm 7 for the reception of a suitable handle 8, by means of which the wringer is operated. Mounted rigidly on the shaft near each end is a two-arm lever 9, to the upper end of which is hinged one end of links 10, the other ends of said links being hinged to a cross-bar 11, which is secured to the back of the rear presser-board 3. The lower arm of each lever is hinged to an arm

12 of a perforated metallic side 13, which is secured at its front edge to a front presser-board 14, provided with perforations 15. A bottom 16, preferably perforated, projects horizontally from the front of the rear presser-board, and the front presser-board in operation is adapted to slide thereupon.

The numeral 17 indicates a flat spring bent upon itself, having one end secured to the back of the rear presser-board and the other end engaging the shaft 6 and serves to keep the front and rear presser-boards normally apart or in open position.

The operation of the device will be readily understood from the foregoing description; but it will be noted that as the front presser-board moves inward or toward the rear the rear presser-board, owing to its link connection with the upper arms of the two-arm levers, will be caused to rock forward on its lower pivots toward the approaching front presser-board, and as the lower arms of the two-arm levers, to which the sides of the front presser-board are hinged, are longer than the upper arms and move downward in the arc of a circle it will be seen that the upper edge of said presser-board moves slightly faster than its lower edge, so that the mop is first engaged by the said upper edge, thereby causing the water to be forced downward by the squeezing pressure.

The two-arm levers and their hinged and link connections with the sides of the front presser-board and rear presser-board, respectively, form important features of my invention, as by them I am enabled to accomplish the simultaneous movement toward each other of the front and rear presser-boards.

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

1. In a mop-wringer, the combination with a pair of attaching-brackets, of a rockable presser-board pivoted near its lower edge to said brackets, a movable presser-board and means for moving said presser-board toward the rockable presser-board.

2. In a mop-wringer, the combination with a pair of attaching-brackets in which is journaled a rockable shaft, a rockable presser-board pivoted near its lower edge to said brackets and connected to the rockable shaft

by a link connection, a movable presser-board hinged to the rockable shaft, and means for rocking said shaft to cause the respective presser-boards to approach each other.

5 3. In a mop-wringer, the combination with a pair of attaching-brackets in which is journaled a rockable shaft, a rockable presser-board pivoted near its lower edge to said brackets and connected to the upper arms of
10 a pair of two-arm levers mounted rigidly on the rockable shaft, a movable presser-board connected to the lower arms of said levers, and means for rocking said shaft.

4. In a mop-wringer, the combination with

a pair of attaching-brackets, of a spring- 15 pressed perforated rockable presser-board pivoted near its lower edge to said brackets and provided with a perforated projecting bottom, a perforated movable presser-board, and means for moving the respective presser- 20 boards toward each other.

In testimony whereof I affix my signature in the presence of two witnesses.

GEORGE W. FINCH.

Witnesses:

CHARLES H. STEVENS,
FRANK O. SMITH.