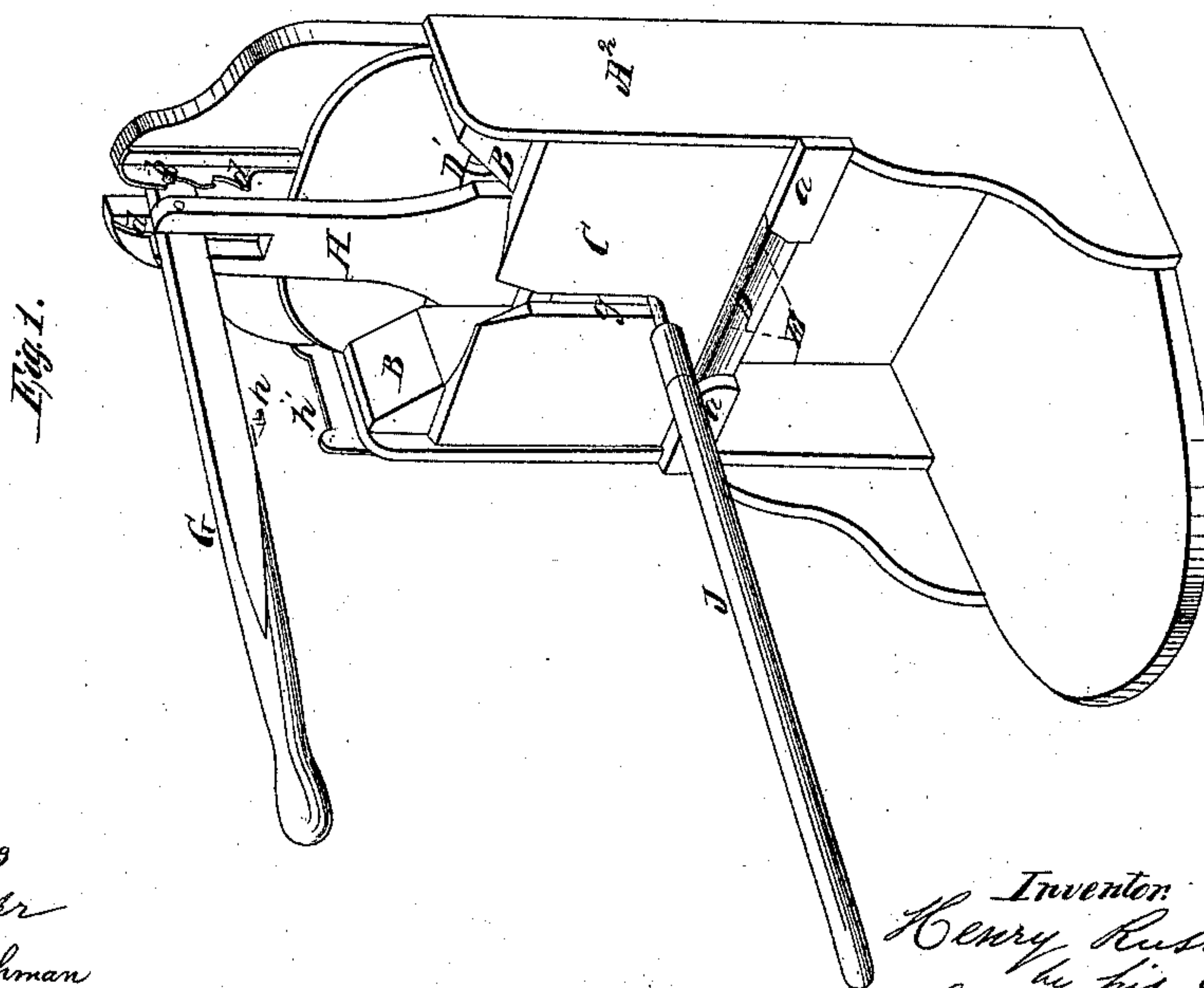
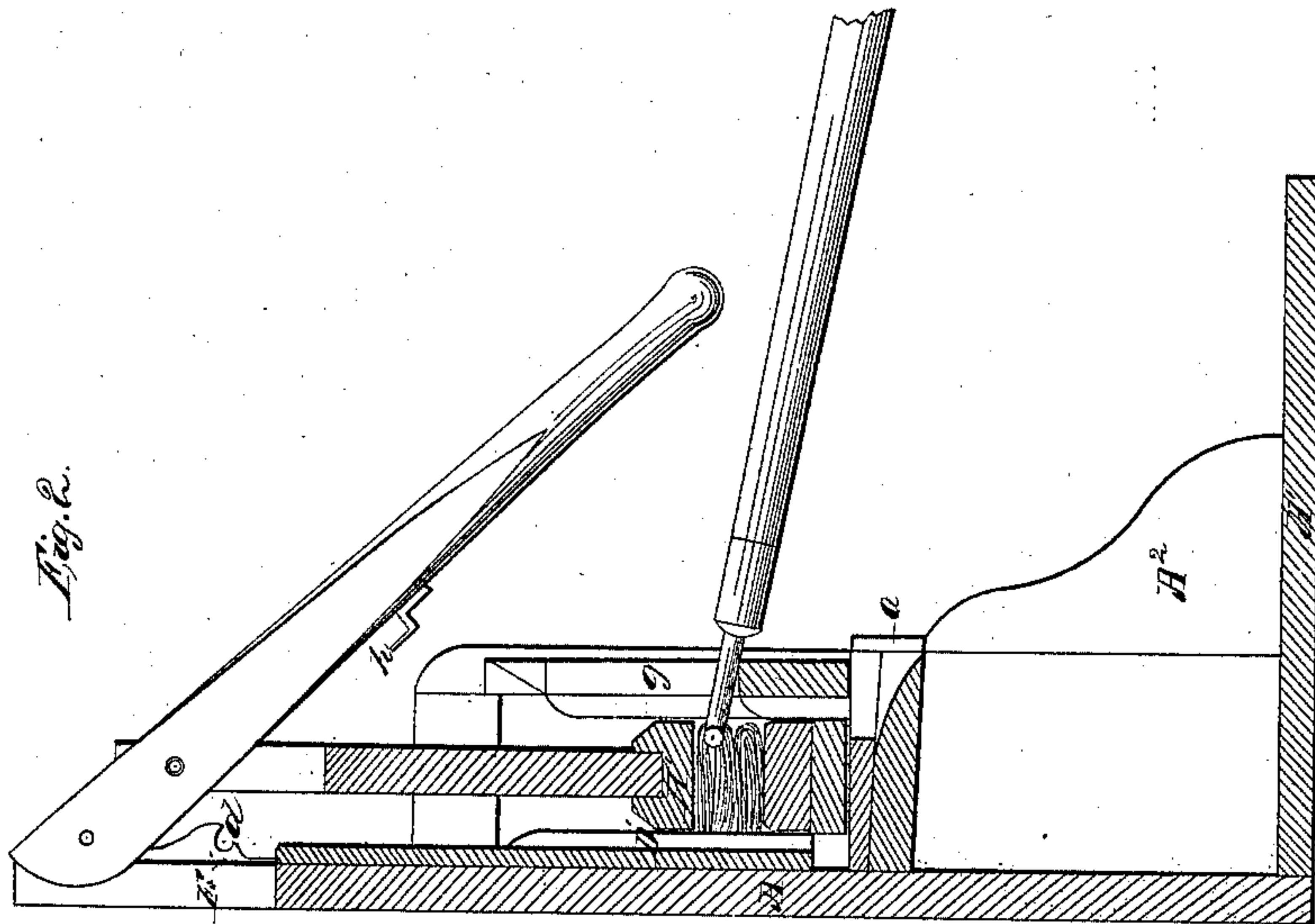


H. Russell,
Mop Wringer.

N^o 66,639.

Patented July 9, 1867.



Witnesses
Edw. Schafer
Walter Hinckman

Inventor
Henry Russell
by his agent
Mason Fenwick Lawrence

United States Patent Office.

HENRY RUSSELL, OF NEW RICHMOND, WISCONSIN.

Letters Patent No. 66,639, dated July 9, 1867.

IMPROVED MOP-WRINGER.

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, HENRY RUSSELL, of New Richmond, in the county of St. Croix, State of Wisconsin, have invented an improved Mop-Wringer; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the improved mop-wringer, showing a mop applied to it, and the plunger brought down in position for wringing.

Figure 2 is a vertical section taken centrally through the wringer.

Similar letters of reference indicate corresponding parts in both figures.

This invention relates to a new and improved device, which is designed for facilitating the wringing of water out of mops, and affording a convenient and efficient means for applying power necessary to effect said object.

The nature of my invention consists in arranging within a suitable frame or stand a receptacle or press-box which is adapted for receiving a mop, which is on the end of a staff or handle, and allowing water to be squeezed out of it, and in combining therewith a plunger and adjustable lever-handle, for the purpose of pressing the water out of a mop placed in said receptacle, as will be hereinafter described.

To enable others skilled in the art to understand my invention, I will describe its construction and operation, and the mode which I prefer to adopt in carrying it into effect.

The frame or stand which supports the pressing or wringing contrivances consists of a vertical back board, A, and a base board, A¹, which are strengthened and braced by means of side pieces A² A². At a suitable height from the base of this frame is the press-box, which is formed by the vertical side pieces B B, the front board C, the bottom board D, and the vertically-grooved or corrugated back D', with front strips a a, which latter are used for conducting the water squeezed out of a mop from the central opening E into a vessel placed beneath it. The bottom board D of the press-box is sloped or bevelled, as shown in the drawings, so that the water from the mop will freely escape at the bottom of the box. The back D', and the inner side of the front board C, are grooved or corrugated vertically, for the purpose of allowing the water to freely escape from the press-box during the pressing operation. While I prefer to construct the frame and its press-box substantially in the manner above described, I do not confine myself to the precise form and construction. Nor do I confine myself to any definite dimensions of the several parts composing the frame and box. The back board A may be made about thirty inches high for convenience of using the press and to prevent stooping in the act of pressing, and the bottom board A¹ may be made about sixteen inches long and one foot wide, so as to afford the proper width of base to support the superincumbent parts substantially. The space beneath the bottom of the press-box should be sufficient to allow of the introduction beneath it of a pail of water or a pail to receive water wrung out of a mop. A vertical slot, F, is made in the upper end of the back board A, of suitable width to receive one end of a lever-handle, G, and of suitable length vertically to admit of the adjustment of said lever to the required height. On the front side of this back board and at the edges of the said slot, strong plates d d, having hooked teeth formed on their edges, are secured, which teeth curve downward and receive the ends of fulcrum pin b, which project from each side of the lever G, as shown in the drawings. The teeth admit of the removal of said lever and the adjustment of its fulcrum point at different heights, according to circumstances. To the lever G the upper end of the follower H is pivoted in a suitable manner, and on the lower end of this follower a rectangular head, H', is secured, which will move up and down freely in the press-box. The mop, which is represented in red in fig. 2, is suitably applied to the handle J, and introduced into the press-box, when the follower is removed by dropping the contracted end of said handle into a vertical slot, g, which is made through the front board C at the middle of its width. When this is done, the lever G, with its follower, is adjusted in their proper places, and the follower head is brought down forcibly upon the mop by depressing the free end of said lever, thereby pressing the water from the mop. The mop can be removed from its press-box by lifting the plunger or follower out of the way. When the lever-handle, with its follower attached, is removed from its place, it may be hung on one side of the frame out of the way by attaching the hook h on the lever to the thin metallic strip h', shown in fig. 1, so that said parts will be at hand when they are to be used.

It will be seen from the above description of my invention that very little exertion will be required to wring a mop free from water, and that this can be done without applying the hands to the mop or stooping over the mop-pail.

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

1. A machine for wringing water from mops, consisting of a press-box, which is adapted for receiving a mop when applied to its handles, a follower for pressing the mop, and a movable lever for acting upon the follower, all being constructed and operated substantially as described.

2. The construction of the frame and its press-box, for the purpose of receiving the mop and pressing devices, substantially as described.

HENRY RUSSELL.

Witnesses:

M. S. GIBSON,
H. C. COTTON.