

C. ROBINSON.
CLOTHES WRINGING PRESS.

No. 113,347.

Patented Apr. 4, 1871.

Fig. 1.

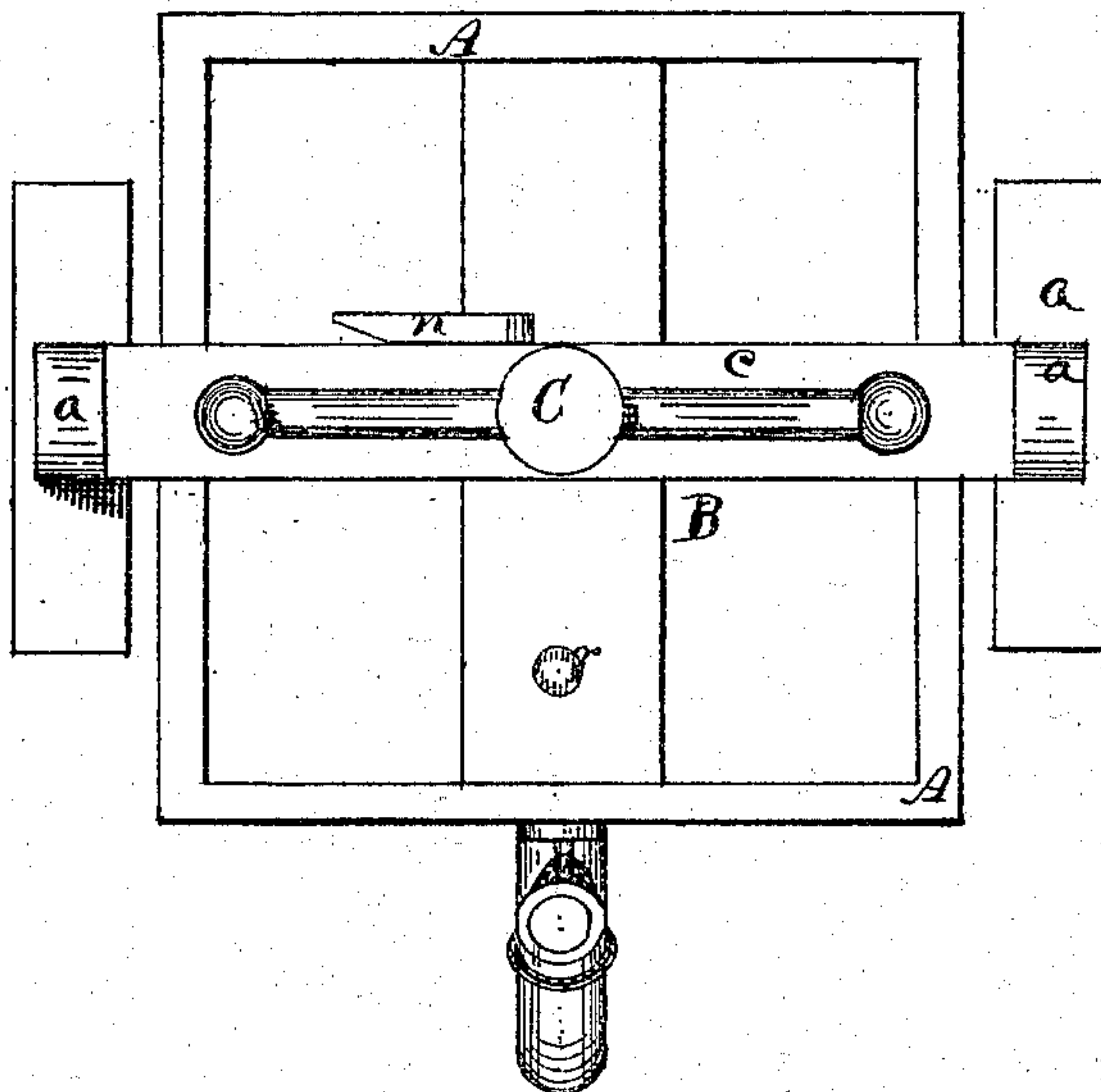
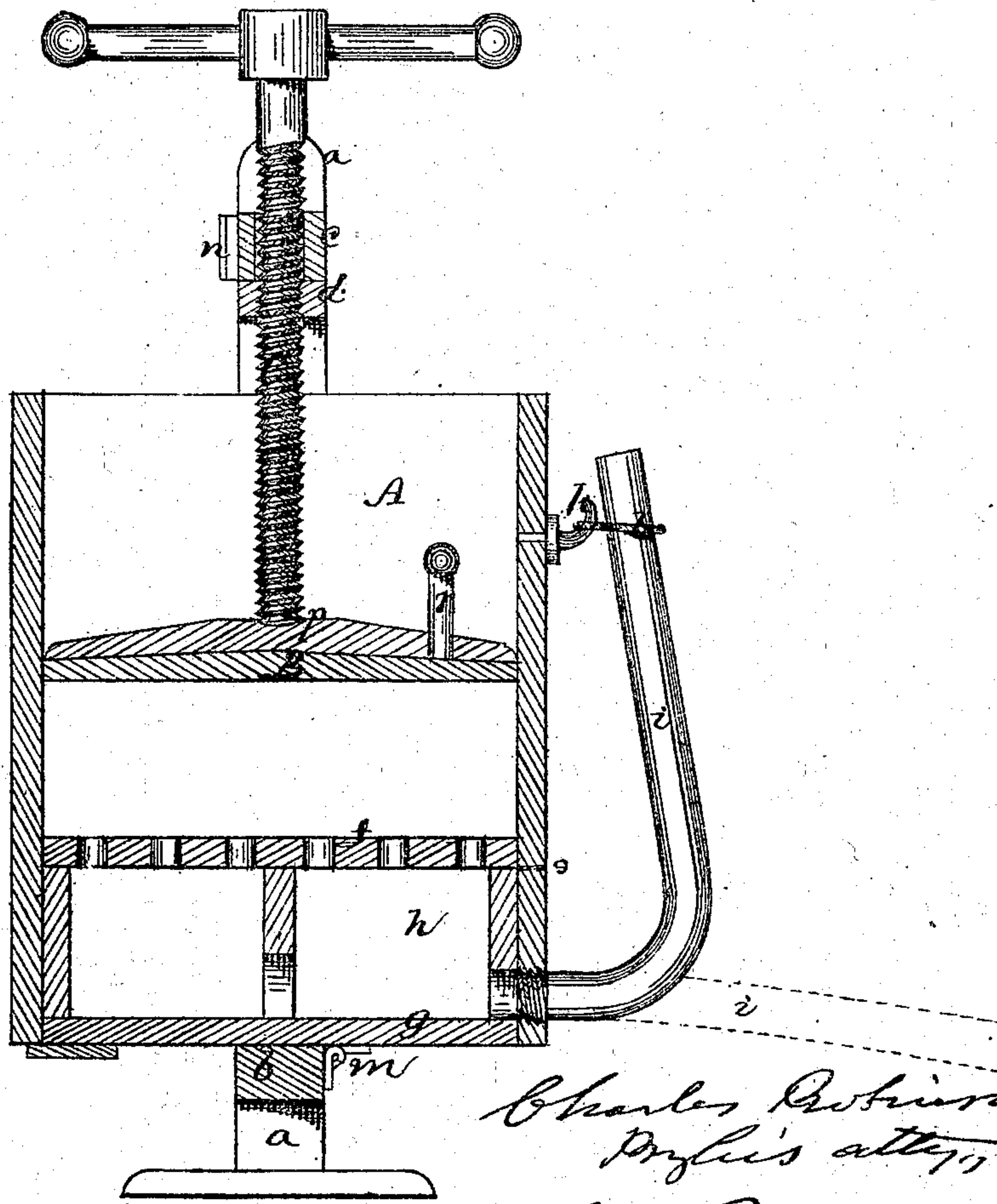


Fig. 2.



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D. J. Brown
S. W. Wood

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Inventor's atty,
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Fig. 3.

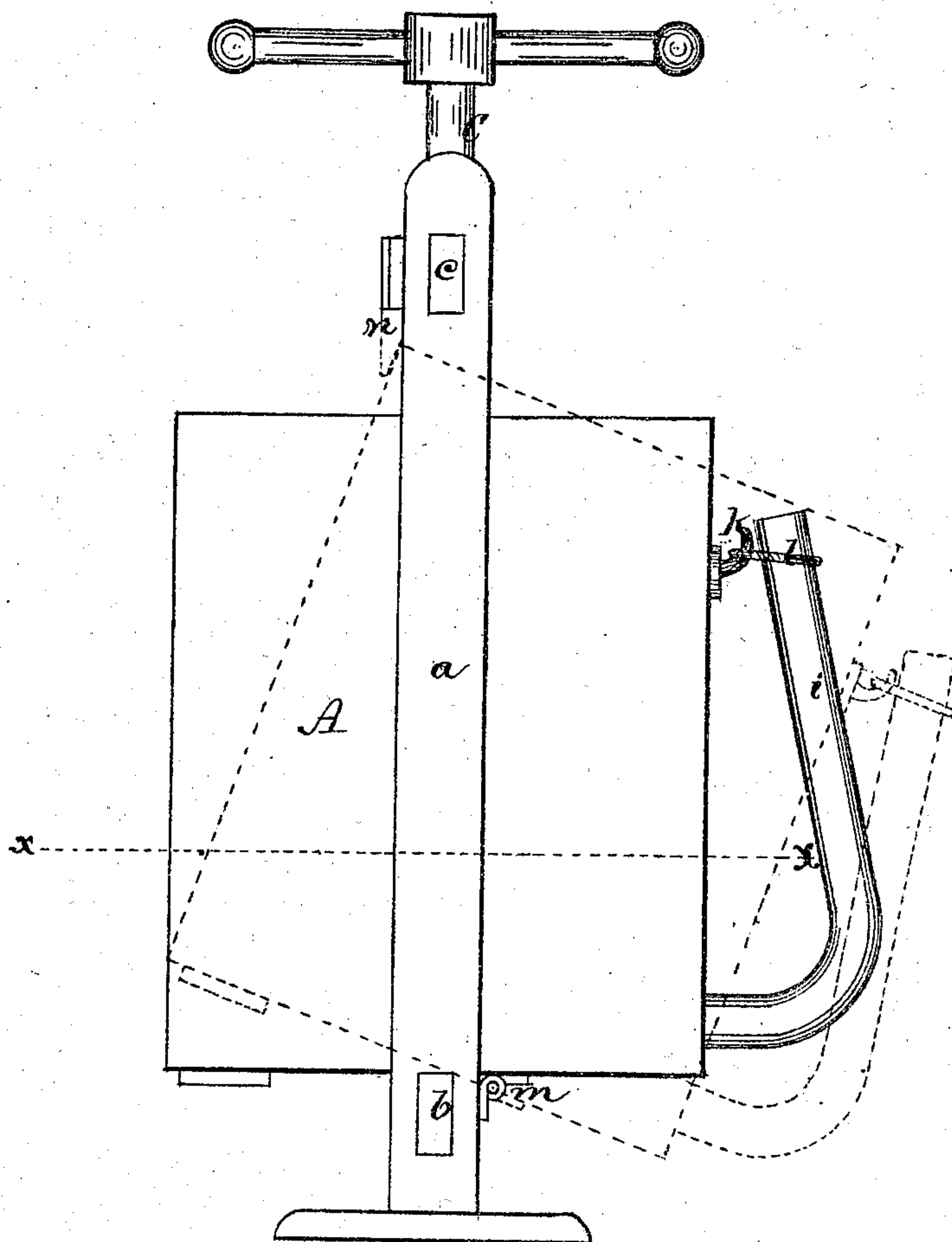
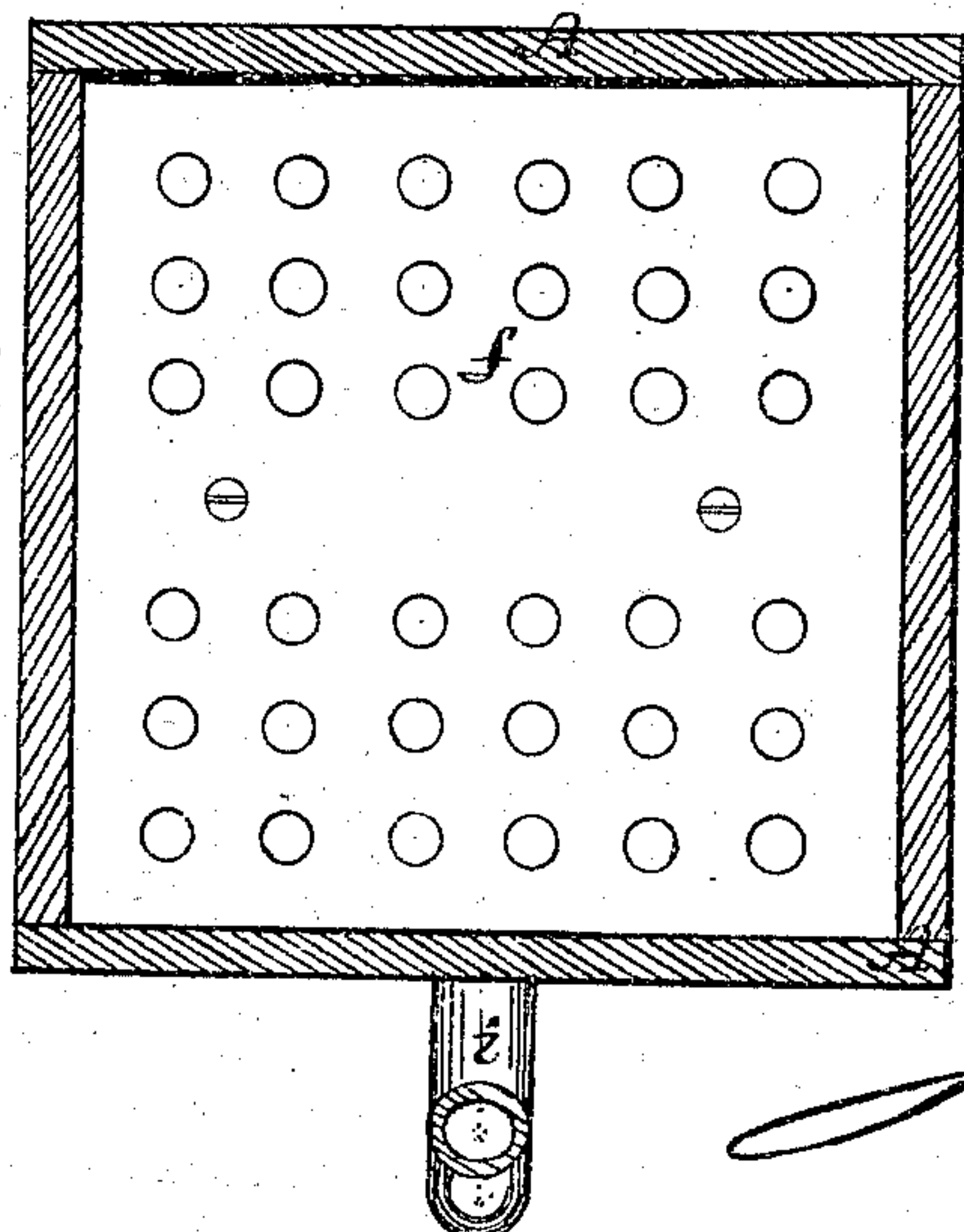


Fig. 4.



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United States Patent Office.

CHARLES ROBINSON, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 113,347, dated April 4, 1871.

IMPROVEMENT IN CLOTHES-WRINGING PRESSES.

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, CHARLES ROBINSON, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Press for Wringing Clothes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing making part of this specification—

Figure 1 being a top view of the press;

Figure 2, a transverse vertical section of the same;

Figure 3, a side elevation thereof;

Figure 4, a horizontal section of the box in a plane indicated by the line *z z*, fig. 3.

Like letters designate corresponding parts in all of the figures.

In this invention I use a pressing-box, A, to contain the clothes, for subjecting them to compression by means of a follower, B, which is forced down upon the clothes by means of a screw, C, as the simplest and most convenient means of applying the compressure.

The pressing-box is mounted in a frame for the purpose of applying the compressure and of conveniently locating and manipulating the pressing-box itself; and that this frame may be as simple and cheap as possible I find that two side standards, *a a*, with broad feet to sustain them, and two connecting-rails or bars, *b c*, one near the bottom to sustain the pressing-box, and the other near the top to hold the nut *d* of the screw C, are all that is necessary to compose the frame.

First, the pressing-box A is of peculiar construction. It has a perforated or grated "false" bottom, *f*, at some distance above the real bottom, *g*, which is tight and holds the water drained or squeezed from the clothes in a chamber, *h*, beneath the false bottom, the water passing freely down into the same.

This chamber *h* is emptied of its water at any time, either by a spigot in the side of the box, or, preferably, by means of a flexible pipe, *i*, as shown in the drawing, the outer end thereof being ordinarily held up by a hook, *k*, and loop *l*, or their equivalents, in the position shown; and when the water is to be drained from the chamber *h*, this pipe is let down into the position indicated by dotted lines in figs. 2 and 3, so as to conduct the water to a tub or other vessel set to receive it.

A hole, *s*, in one side of the pressing-box, may serve to indicate when the drip-chamber *h* is full and requires to be emptied.

The pressing-box is preferably set some distance above the floor, for convenience in catching the water from the drip-chamber.

Second, the pressing-box is arranged so as to make it convenient as possible to put in the clothes and take them out thereof.

For this purpose I hinge or otherwise mount it upon the cross-bar *b*, as at *m*, figs. 2 and 3, so that, when pressing the clothes, the box may be in an upright and firm position to receive the pressure of the screw upon the follower, as shown by the full lines in the drawing; but when not pressing the box may be tilted forward into a position, indicated by dotted lines in fig. 3, for convenience in throwing in the clothes while washing, and in taking out the clothes after pressing them, without impediment from the screw or the cross-bar *c* in which the screw turns.

A button, *n*, or its equivalent, is generally to be used to hold the pressing-box forward in its tilting position, and to be turned up out of the way when the box is to be turned back into an upright position for pressing.

Also, in order to avoid turning the screw C down and up a long distance in pressing, the follower B is not attached to the screw, but has a simple central bearing, *p*, fig. 2, to receive the lower end of the screw, so that, by merely turning up the screw a distance the box can be tilted forward and the follower removed, being provided with a handle, *r*, for the purpose. It can as readily be replaced before pressing while the box remains tilted forward.

The pressing-box may be square, round, or of other convenient form, and be made of wood, zinc, or other suitable material. The bottom must be strong and firm.

The press is simple and cheap, and the clothes can be wrung more quickly, completely, and with less injury thereby than by any other means known to me.

As fast as the clothes are washed and rinsed they are simply thrown into the tilted pressing-box till the whole washing has been completed, or until a sufficient quantity has accumulated therein for a single pressing, much of the water draining from the clothes down into the drip-chamber *h*.

When the clothes are to be pressed they are evened on the top, the follower is put in place, the box tilted back into an upright position, and the screw turned down.

The whole pressing is but the work of a minute, and then the screw is raised a little, the box tilted forward again, the follower removed, and the clothes are ready to be hung out to dry.

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

1. The combination and arrangement of the hinged or tilting pressing-box A, cross-bar or support *b*, and pressing-screw C, substantially as and for the purpose herein specified.

2. A clothes-wringing press, having the following elements in one combination, namely: a pressing-box or receptacle, A, having a perforated or open false bottom, *f*, and a close drip-chamber, *h*, below, a removable follower, B, a pressing-screw, C, and a frame,

D, in which the other parts are mounted so as to operate together substantially as herein specified.

Specification signed by me this 23d day of December, 1870.

CHARLES ROBINSON.

Witnesses:

S. O. DEARBORN,
C. EDMUNDS.