

No. 831,734.

PATENTED SEPT. 25, 1906.

J. G. McCARTHY.
MOP WRINGER.

APPLICATION FILED MAR. 1, 1905.

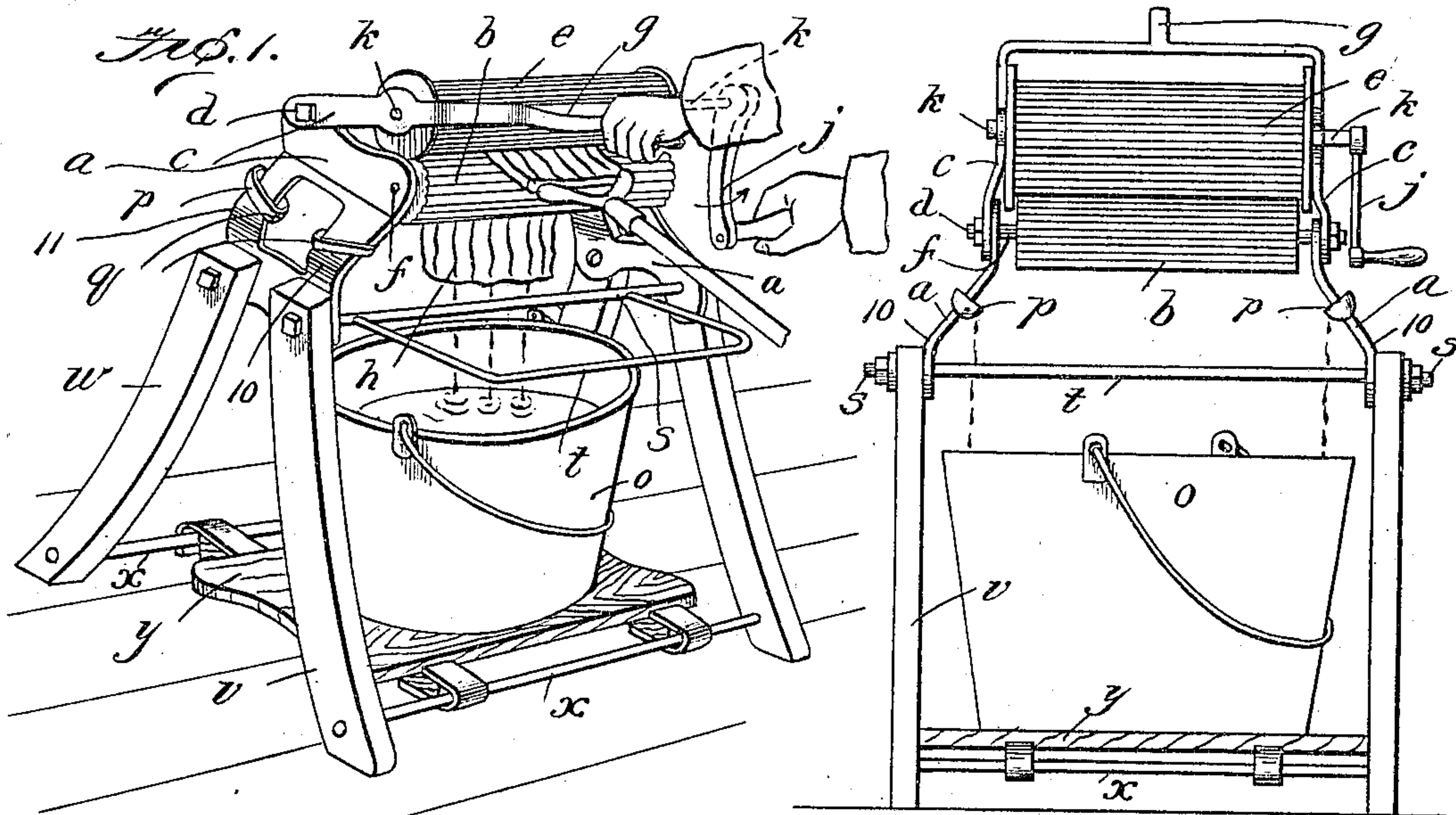
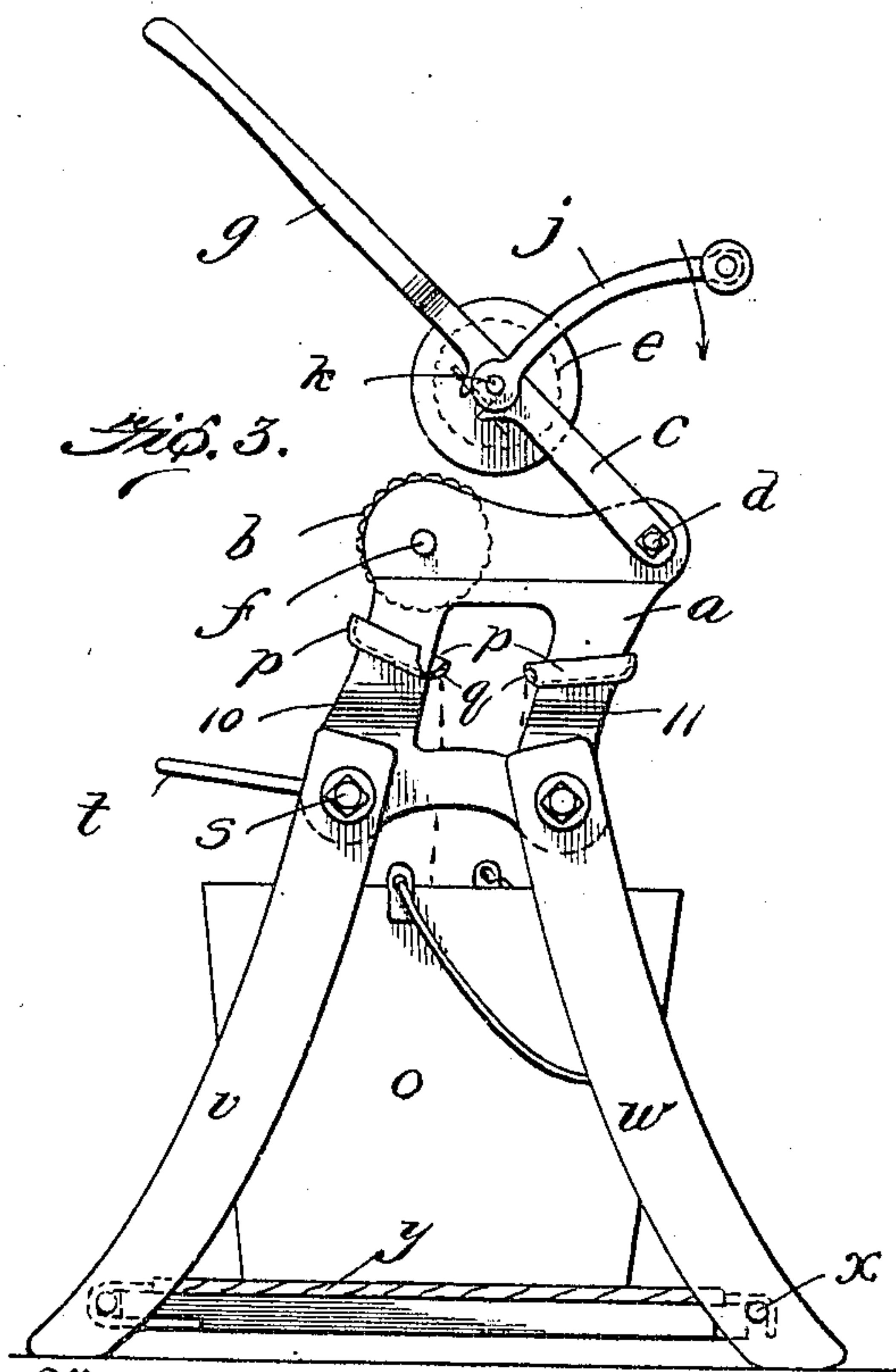


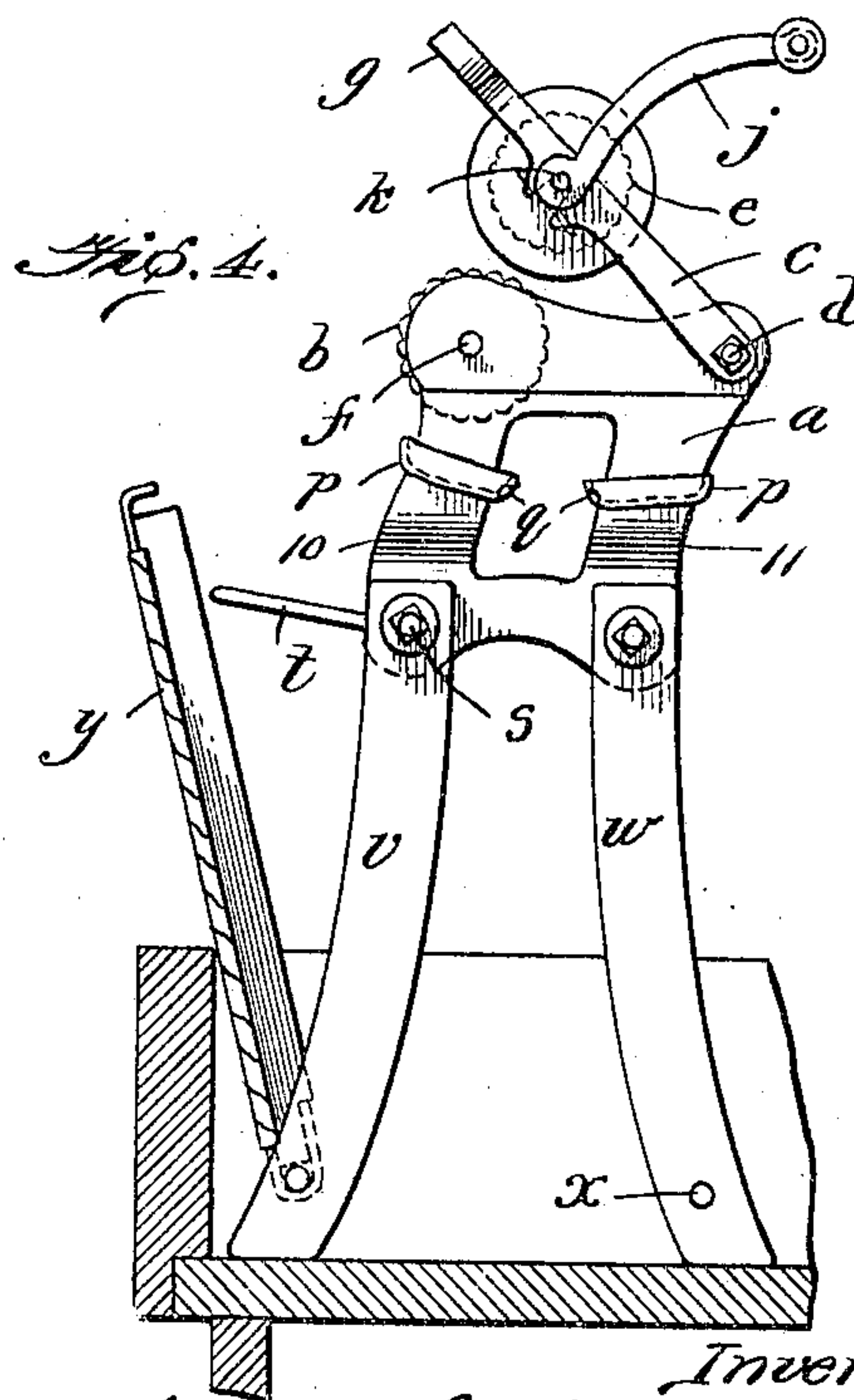
Fig. 2.



Witnesses

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JEREMIAH G. McCARTHY, OF HOLYOKE, MASSACHUSETTS.

MOP-WRINGER.

No. 831,734.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed March 1, 1906. Serial No. 247,911.

To all whom it may concern:

Be it known that I, JEREMIAH G. McCARTHY, a citizen of the United States of America, residing at Holyoke, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Mop-Wringers, of which the following is a specification.

This invention relates to mop-wringers, the object thereof being to provide an improved construction of this nature whereby a portable wringer is provided under which a pail may be located to catch the water wrung from the mop in contradistinction to that class of similar devices which as a general rule are attached to the pail.

A further object of the invention is to provide a device of this character in which the supporting-frame may be collapsed, so to speak, whereby the wringer may be set into a tub or a sink, a portion of the frame being movable into substantially vertical position when the frame is collapsed, to thereby constitute a guard to prevent the splashing of the water over the edge of the sink.

Other objects of the invention relate particularly to details of construction, which will clearly appear in the following description of the invention, and all of the novel features of which are illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a mop-wringer in which the invention is embodied in its preferred form. Fig. 2 is a front elevation of the same with the pail in position therebeneath. Fig. 3 is a side elevation of the same, showing the movable wringer-roll in a slightly-different position. Fig. 4 is a view similar to Fig. 3, but showing the frame in a collapsed position and showing also the pail-supporting brace swung up to substantially vertical position, the wringer being shown in a sink or tub.

In the drawings two similar cast-iron frame parts *a* are provided, between the upper ends of which one of the wringer-rolls *b* is rotatably mounted and in the other upper corner of which a yoke-frame *c* is pivotally supported at *d*, between the ends of which frame the roll *e* is supported, as shown. The axis of the roll *b* is indicated by *f*.

On the yoke-frame *c* is a suitable handle *g*, whereby that frame carrying the roll *e* may be swung up away from the roll *b* far enough to permit the mop *h* to be placed in position on the roll *b*, whereupon the roll *e* may be

swung down against it and rotated to feed the mop out from between the two rolls and by this feeding movement squeeze the water therefrom, means being provided to rotate the upper roll *e* by means of the crank-arm *j*, secured to the shaft *k*, which constitutes the axis of said roll, this shaft having a bearing in each arm of the yoke-frame *c*. Preferably the rolls *b* and *e* are fluted, as shown. Each of the side frames *a* is bent or trends inward at the points designated 10 and 11, as shown in Figs. 1 and 2, from a point slightly above the lower edge thereof in order that the rolls *b* and *e* may be shortened to a little less than the diameter of a pail *o*, which may be placed thereunder, to the end that all of water pressed from the mop may be caught by the pail; but because of the close proximity of the ends of the rolls to the side frames *a* more or less water will inevitably run down the side of these frames, and to prevent the same from running on the floor the inclined flanges *p* are cast on the side frame, which will catch all of the water which may run down these frames and guide it through an opening *q* in the frames and into the pail *o*, which the flanges *p* overhang. The water from the flanges *p*, which flows through the openings *q*, is indicated in dotted lines in Figs. 2 and 3, flowing into the pail, (designated *o*.)

The two side frames *a a* are secured together by means of a rod *s*, to which is secured the U-shaped wire frame *t*, the purpose of which is to catch the mop as it is fed out from between the rollers and prevent the end thereof either from dropping on the floor or falling back into the pail. This rod *s* also constitutes the axis of one pair of the swing- ing legs, (indicated by *v*,) the other pair *w* being secured to the opposite lower end of the frame by bolts. Each of these leg-frames is provided with a brace-bar *x*, and hinged to one of these bars is the frame *y*, which has a hook engagement with the other of the cross-bars *x*, whereby the spread of these leg-frames is determined. This brace frame or platform *y* is so constructed as to constitute a shield or guard when it is swung to a position shown in Fig. 4, which is the position it will occupy when the two frames are swung together to stand the wringer in a sink or tub, and in this position any water falling from the rolls into the shallow sink *z* will be thereby prevented from splattering the person operating the wringer.

It is furthermore a great convenience to be able to swing the two leg-frames *v* and *w* close together into substantially parallel position and to swing up the brace-platform *y* when it is desired to put the wringer away when it is not in use.

From the foregoing description it is seen that the wringer is provided with a strongly-braced frame when it is used in connection with a pail set under it and that the construction is such that the water wrung from a mop is kept entirely from spattering the floor and that in this respect has all of the advantages of that type of a mop-wringer which is usually attached to the pail itself, with the further advantage of avoiding the instability of this last-named structure, and in addition it is so constructed that it may be stood up on a sink or tub, and when thus used the brace-platform may be swung up to constitute a guard, as described.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A mop-wringer comprising a frame consisting of two substantially uniform side portions, the upper ends of which trend inwardly, a roll pivotally supported between the upper ends of the side portions, a yoke-frame pivotally supported on the side portions, a roll in said yoke-frame to swing toward and from said first-named roll, leg-frames pivotally attached to said side portions of the frame to swing toward and from each other, and a brace-frame pivotally supported at the lower end of one of the leg-frames and arranged to engage the other leg-frame to constitute a platform for a pail.

2. A mop-wringer comprising a frame consisting of two substantially uniform side por-

tions, the upper ends of which trend inwardly, a roll pivotally supported between the upper ends of the side portions, a yoke-frame pivotally supported on the side portions, and a roll in said frame movable with the latter toward and away from said first-named roll, a downwardly and inwardly inclined flange on said side portions to direct water through an opening in the latter, leg-frames pivotally attached to the side portions of the frame to swing toward and from each other, a brace-frame pivotally supported at the lower end of one of the leg-frames and arranged to engage the other leg-frame to constitute a platform for a pail and when swung to a substantially vertical position to constitute a shield.

3. A mop-wringer comprising a frame consisting of two substantially uniform side portions, the upper ends of which trend inwardly, a roll pivotally supported between the upper ends of the side portions, a yoke-frame pivotally supported on the side portions, and a roll in said frame movable with the latter toward and away from said first-named roll, a U-shaped frame supported between the side portions of the main frame and arranged to catch the mop, suitable leg-frames pivotally attached to the side portions of the frame to swing toward and from each other, and a brace-frame pivotally supported at the lower end of one of the leg-frames and arranged to removably engage the other leg-frame to constitute a platform for the pail.

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Witnesses:

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