(No Model.)

W. R. WILSON.

MACHINE FOR WASHING PRINTERS' TYPE FORMS.

No. 423,402. Patented Mar. 11, 1890.

Fig. 1.

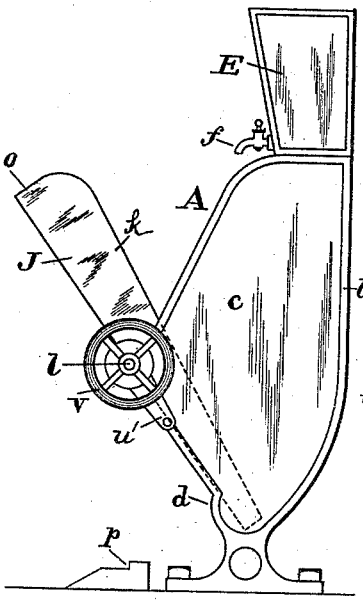


Fig. 2.

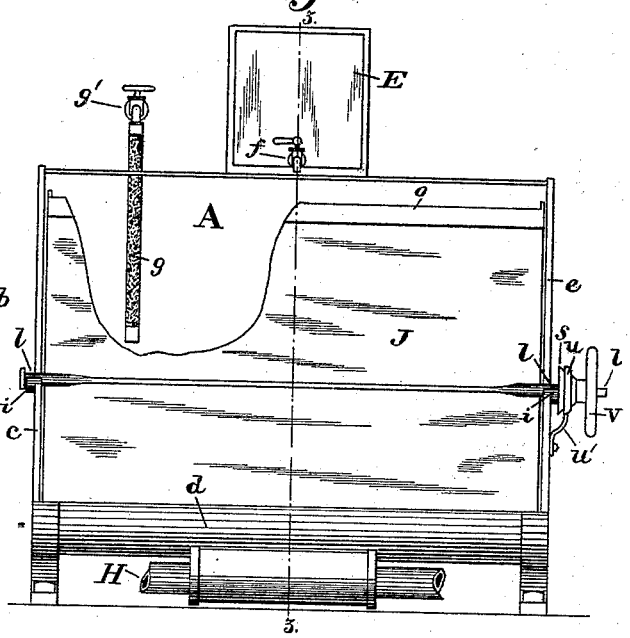


Fig. 3.

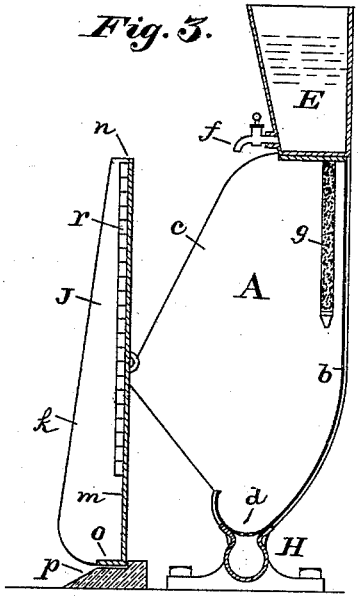


Fig. 4.

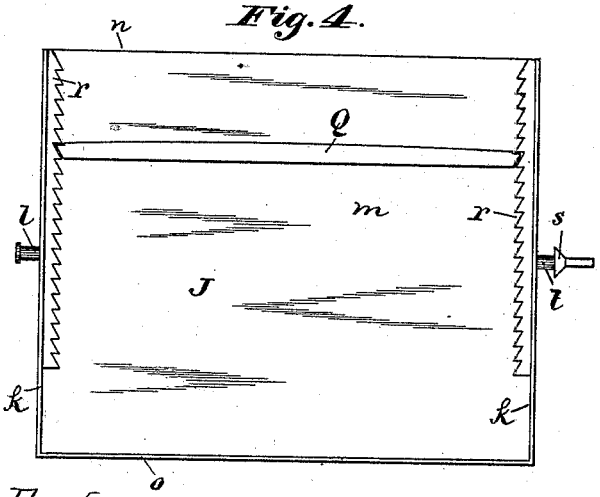
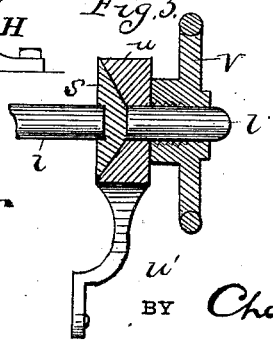


Fig. 5.



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MACHINE FOR WASHING PRINTERS' TYPE-FORMS.

SPECIFICATION forming part of Letters Patent No. 423,402, dated March 11, 1890.

Application filed September 12, 1888. Serial No. 285,189. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ROSS WILSON, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Machines for Washing Printers' Type-Forms, of which the following is a specification.

This invention relates to an apparatus for washing printers' forms.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is an end elevation of the washer. Fig. 2 is a front elevation in which the form-holder is shown partly broken away. Fig. 3 is a vertical cross-section of the apparatus on the line 3 shown in Fig. 2. Fig. 4 is an inner side view of the form-holder. Fig. 5 represents a detached detail view showing the devices whereby the form-holder is held.

The letter A designates an upright case having a back *b*, two ends *c*, and a trough-shaped bottom *d*. A lye-receptacle E is mounted on the top of the case and has a spigot *f*, and a flexible spout or hose *g* projects down through the case-top. This spout or hose may be attached to a spigot *g'*, leading from a water-pipe or any other convenient source of supply. Below the case-bottom *d* is a waste-pipe H, serving to carry off the waste water. Below the case ends *c* have bearings *i*, wherein a form-holder J is pivoted. The form-holder comprises a flat-surfaced plate with side flanges *k* and a trunnion *l* at each end. The trunnions set in the said bearings *i* on the case, and thereby the form-holder may be turned over so that its front surface *m* will face toward the washing-case, and it will have an inclined position, with its lowermost or drain edge *n* resting down in the trough-shaped bottom *d*, as in Figs. 1 and 2. In this position a form of type resting on the front surface *m* of the holder may be readily and thoroughly washed, as will be understood. The form-holder may also be turned so that its front surface will face away from the washing-case, as shown in Fig. 3. When it is in this position, the flanged edge *o* that is lowermost will rest on the floor or on a suitable stop or seat *p*. When the holder is in this position, a form of type locked up in a chase may easily be set or placed in the holder, and then the holder, with the type on it, may be turned over to the position shown in Fig. 1.

In order to confine the form of type in the holder and prevent it from shifting or slipping when the holder is turned over, a locking-bar Q is provided. This bar extends across the holder and its ends engage racks *r*, which are fixed permanently at the ends of the holder. It will be understood that a form of type may thus be confined between said bar Q and the flanged edge *o* at one side of the holder.

To retain the pivoted holder J when it is in the inclined position for washing, as in Fig. 1, and prevent it from accidentally turning away from the washing-case, a clamp is provided as follows: One of the trunnions is provided with a cone-shaped collar *s*, rigidly secured thereto. A ring or collar *u* is supported on a stationary bracket *u'*, attached to the end *c* of the washer-case, and said ring takes over the trunnion *l* and is in contact with the cone-collar *s*. A set-nut *v* has a friction fit on the trunnion, and may be tightened to press against the said stationary ring *u*. It will now be understood that the cone-collar *s* and set-nut *v* act as a clamp to bind the stationary ring, and thereby the device serves to retain the holder J wherever it may be set.

The washing apparatus, it will be seen, is a convenient and useful accessory for a printing-office.

Having described my invention, I claim—

1. The combination, in a machine for washing printers' forms, of a vertical case having a trough-shaped bottom, and a form-holder provided with trunnions, journaled in bearings at each end of the case, whereby the said form-holder may be turned to a vertical position with its face away from the casing or turned into an inclined position within the casing, as shown and described.

2. The combination, in a machine for washing printers' forms, of a vertical casing having a trough-shaped bottom and open at one side, a form-holder having trunnions, journaled at the ends of the open side, and a rest whereby the form may be held in a vertical position, substantially as specified.

3. The combination of an upright case, a form-holder pivoted at two ends of said case,

and a locking-bar Q, extending across the form-holder to confine the form thereon.

4. The combination of an upright case, a form-holder pivoted at two ends of said case and provided with racks *r*, and a bar extending across the form-holder and engaged with said racks.

5. The combination of an upright case, a form-holder having trunnions *l*, the cone-collar *f*, a set-nut *v*, and a stationary ring *u*, whereby the form-holder may be held in an adjusted position, substantially as specified.

6. The combination of an upright case provided with a trough-shaped bottom, a form-holder pivoted at two ends of said case, a lye-receptacle, and a flexible spout or hose for water.

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

WILLIAM ROSS WILSON.

Witnesses:

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JNO. T. MADDOX.