(No Model.)

J. NUEBLING.

INK FOUNTAIN FOR CHROMATIC PRINTING MACHINES.

No. 358,473. Patented Mar. 1, 1887.

Fig. 1

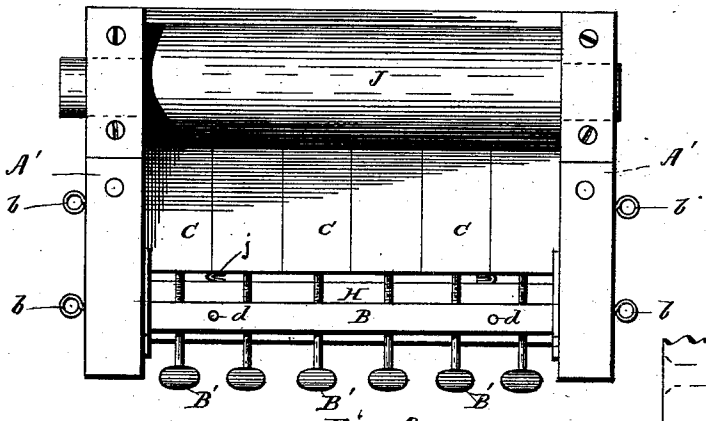


Fig 8

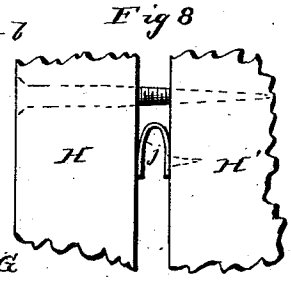


Fig. 2

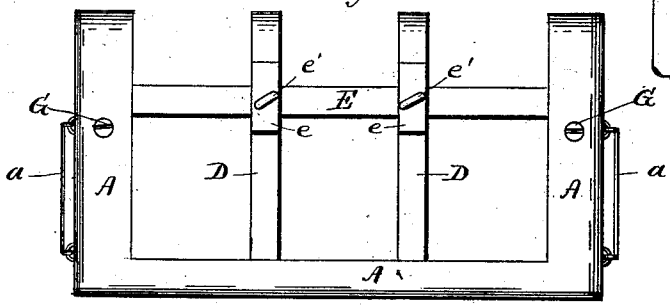


Fig. 3.

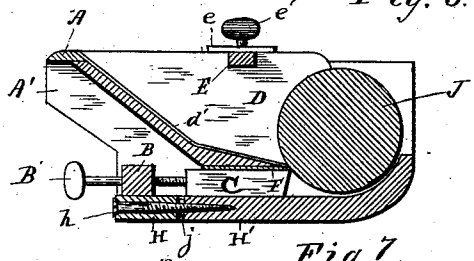


Fig. 4

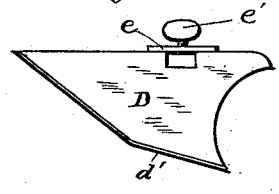


Fig. 7.

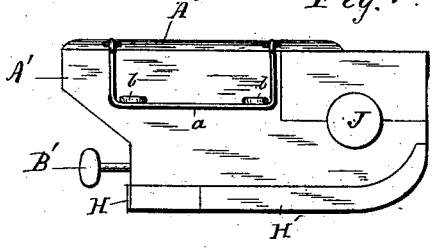


Fig. 6.

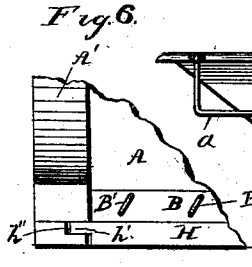
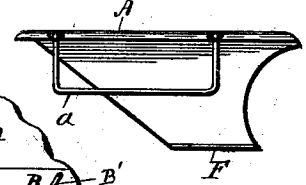


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN NUEBLING, OF EVANSVILLE, INDIANA, ASSIGNOR TO HIMSELF AND THOMAS J. GROVES, OF SAME PLACE.

INK-FOUNTAIN FOR CHROMATIC-PRINTING MACHINES.

SPECIFICATION forming part of Letters Patent No. 358,473, dated March 1, 1887.

Application filed February 9, 1886. Serial No. 191,308. (No model.)

To all whom it may concern:

Be it known that I, JOHN NUEBLING, a citizen of the United States, residing at Evansville, in the county of Vanderburg, State of Indiana, have invented certain new and useful Improvements in Ink-Fountains for Chromatic-Printing Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in inking-founts for printing establishments, and has for its object to provide an inking apparatus to be used with printing-presses in which several different colors may be held and used at the same time. This object is attained by the mechanism illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a plan from which the reservoir has been removed. Fig. 2 is a detached plan view of the reservoir. Fig. 3 is a transverse sectional view. Fig. 4 is a detached view of an ink-separator. Fig. 5 is a detached end view of the reservoir. Fig. 6 is a rear view of one of the lower corners of the fount, the remainder being broken away; Fig. 7, a side elevation of the fount; and Fig. 8, a plan view of portions of the bottom of the fount, showing the spring for separating them in position.

The letter A indicates the reservoir, which is attached to the frame or body of the machine A′ by the screws G and by the handles *a*, which are held down at each end of the machine by the screw-eyes *b*. A strip, F, of rubber, is attached to the bottom of the reservoir, to prevent the flowing of the ink.

B is a piece of metal extending across the machine, which is attached to the piece H (forming part of the bottom or base of the frame A′) by means of pins *d*, which are intended to prevent the piece B from slipping.

B′ are thumb-screws which pass through the piece B and enter the keys C, and serve the purpose to adjust the keys C and bring them close up to the ink-roller J or to remove them farther therefrom. These keys C rest upon the bottom H′ of the frame A′ and slide freely thereon during the time of adjustment.

The piece H is attached to the bottom H′ by means of the screw *h*, and is also provided with tongues *h′*, which enter grooves *h″* near the bottom of the frame A′. This construction permits the piece H to be brought closer to or to be removed farther from the bottom H′, as there is a narrow space between the two, in which are located one or more springs, *j*, which are attached to the bottom H′ and bear against the piece H and tend to force them apart.

The letter D indicates the ink-separators, which are intended to act as partitions to divide the ink-reservoir up into several receptacles for chromatic work, and are adjustable to different distances apart, having a recess cut out of the top covered by a plate, *e*, having a thumb-nut, *e′*. The recess is intended to receive a bar, E, upon which the partitions D slide, so that they may be placed different distances apart and be securely held by means of the thumb-nut *e′*. The faces of the partitions or separators are lined with rubber, *d′*, for the purpose of confining the inks.

J is the ink-roller, having bearings in the frame A′.

The frame A′ and base or bottom H′ may consist of a single casting or of several pieces connected to each other in any suitable manner. The keys C are used for the purpose of regulating the flow of the inks to the roller J. By removing the screw *h* the piece H may be detached, together with the bar B, and also the whole of the keys C.

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

1. In an ink-fount, the combination, with the ink-reservoir A, of the bars E and the partitions D, having plates *e* and thumb-screws *e′*, whereby the partitions may be adjusted and held at any set position.

2. In an ink-fount, the combination of the frame A′, the base H′, the piece H, the screws, and the spring between said base and said piece, the keys C, and the thumb-screws B′.

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

JOHN NUEBLING.

Witnesses:
W. P. LEONARD,
WM. H. GUDGEL.