

(No Model.)

E. JAECK.

INK FOUNTAIN FOR PRINTING MACHINES.

No. 367,526.

Patented Aug. 2, 1887.

Fig. 1.

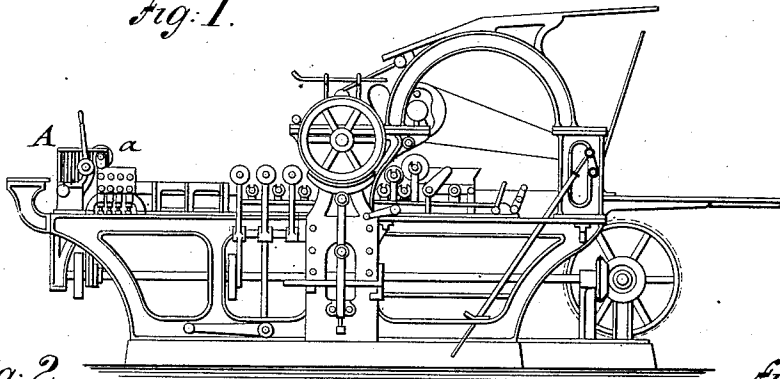


Fig. 2.

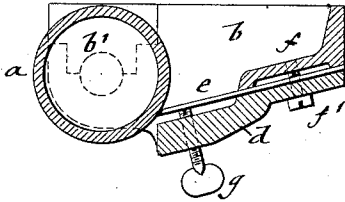


Fig. 3.

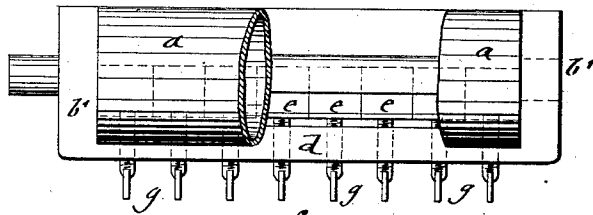


Fig. 4.

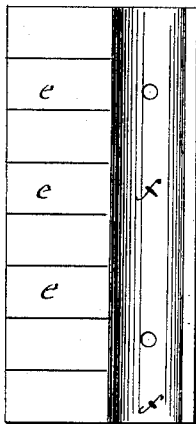


Fig. 5.

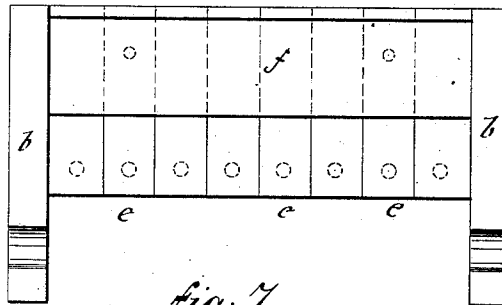


Fig. 7.

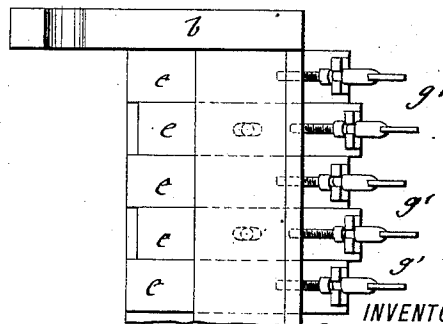
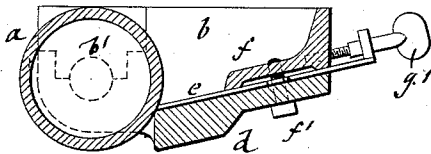


Fig. 6.



WITNESSES:

A. Schehl.
Martin Petry.

Fig. 8.



INVENTOR

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UNITED STATES PATENT OFFICE.

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INK-FOUNTAIN FOR PRINTING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 367,526, dated August 2, 1887.

Application filed July 1, 1886. Serial No. 206,783. (No model.)

To all whom it may concern:

Be it known that I, EMILE JAECK, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful
5 Improvements in Ink-Fountains for Printing-Machines, of which the following is a specification.

This invention relates to an improved construction of ink-fountains for lithographic and
10 printing presses by which the supply of ink to the inking-rollers can be regulated in a perfect and efficient manner.

In the accompanying drawings, Figure 1 represents a side elevation of a lithographic press
15 with my improved ink-fountain. Figs. 2 and 3 are respectively a vertical central section and an end view of the ink-fountain, a part of the ink-roller being broken away. Fig. 4
20 is a plan of the sectional knife for regulating the ink supply; Fig. 5, a plan of parts in Fig. 3, the roller not being shown. Figs. 6 and 7
are a vertical transverse section and a top
25 view of an ink-fountain with my regulating-knives, showing a modified form of adjusting mechanism. Fig. 8 is a detail of one of the
regulating-knives of the ink-fountain.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents an
30 ink-fountain for lithographic and printing presses, which ink-fountain is constructed of an ink-roller, *a*, side walls, *b b*, which are provided with bearings *b' b'* for the ink-roller *a*,
35 an inclined bottom, *d*, and a number of independently-adjustable regulating-knives, *e e*, which, in connection with the bottom *d*, serve
to hold the knives in position to adjust them
40 toward or away from the ink-roller *a*. A top plate, *f*, extends over the knives and retains them in position by means of short binding-
screws *f'*, which pass through the bottom *d*
and holes or slots of some of the knives and
of the top plate, *f*, as shown, respectively, in
Figs. 4, 6, and 7. The regulating-knives *e e*

are adjusted toward or away from the ink- 45
roller *a* by adjusting-screws *g*, which pass either through the bottom *d* and serve to raise or lower the front ends of the knives, as
shown in Fig. 2 or 3, or by screws *g'*, which
engage the forked rear ends of the knives, as 50
sockets at the rear part of the top plate, *f*, as
shown in Figs. 6 and 7, so as to adjust the regulating-knives *e e* in forward or backward direction
toward or away from the ink-roller between the bottom and top plate of the ink- 55
fountain. In either case the individual knives may be adjusted independently of each other
toward or away from the ink-roller, so that a greater or smaller quantity of ink may be supplied
at some points to the fountain than at 60
other points, or the supply of ink entirely interrupted at some points, according to the
work to be done on the lithographic or printing press. The ink-fountain is brought by the adjustable
knives within full control, so that not 65
only a more perfect supply of ink, and consequently better printing, is produced, but also
a considerable saving in ink produced, as the same is more effectively distributed and conveyed
to the places where the same is wanted. 70

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

As an improvement in ink-fountains for lithographic and printing presses, the combination
75 of an ink-roller, the adjustable regulating doctor blades or knives, the widened bottom plate on which the knives are supported, the
retaining top plate, and screws for adjusting and holding the knives in position, substantially
as described. 80

In testimony that I claim the foregoing as my invention I have signed my name in presence
of two subscribing witnesses.

EMILE JAECK.

Witnesses:

PAUL GOEPEL,
SIDNEY MANN.