No. 828,760. PATENTED AUG. 14, 1906.

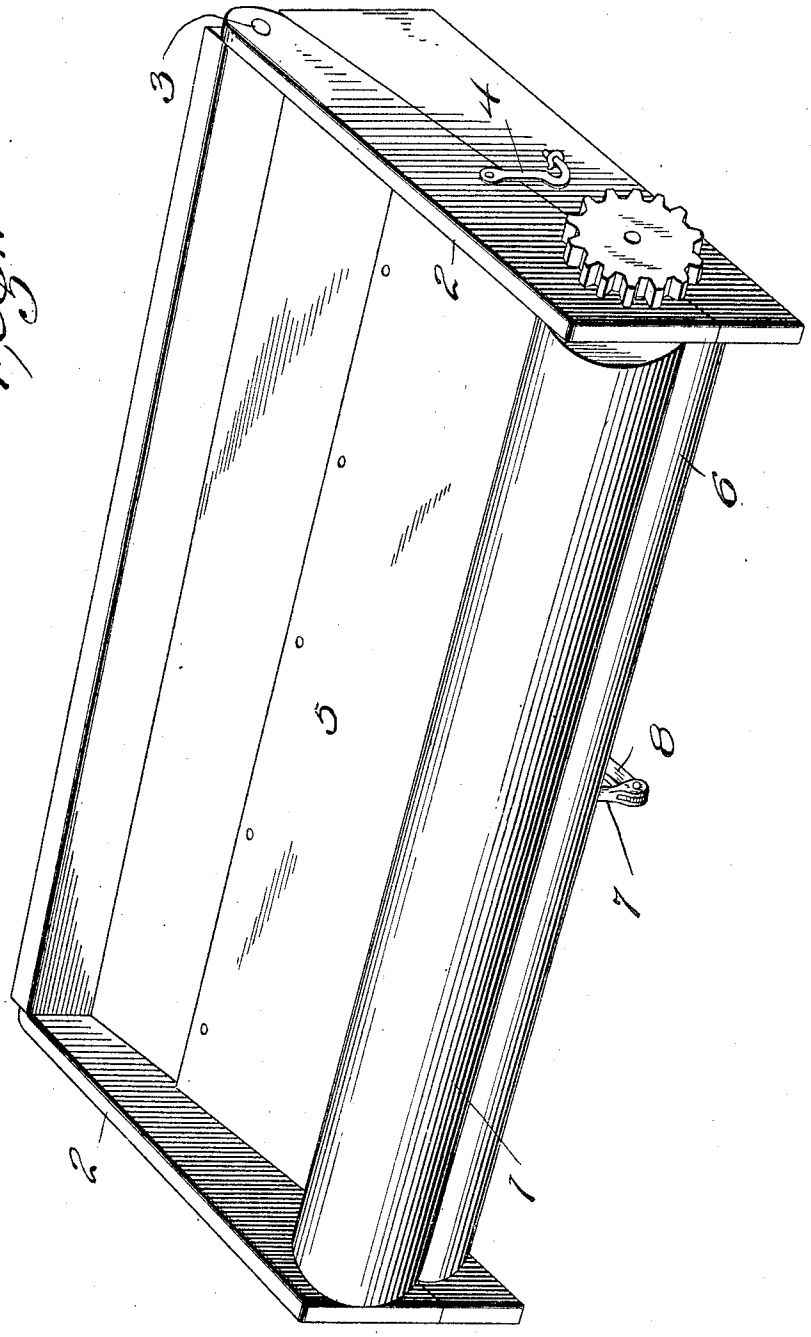
J. MERCER.

INK FOUNTAIN.

APPLICATION FILED OCT. 23, 1905.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses
G. R. Thomas
H. G. Whitcomb

Inventor
Joseph Mercer

By Swift & Co.
Attorneys

THE NORRIS PETERS CO., WASHINGTON, D. C.

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2 SHEETS—SHEET 2.

Fig. 2.

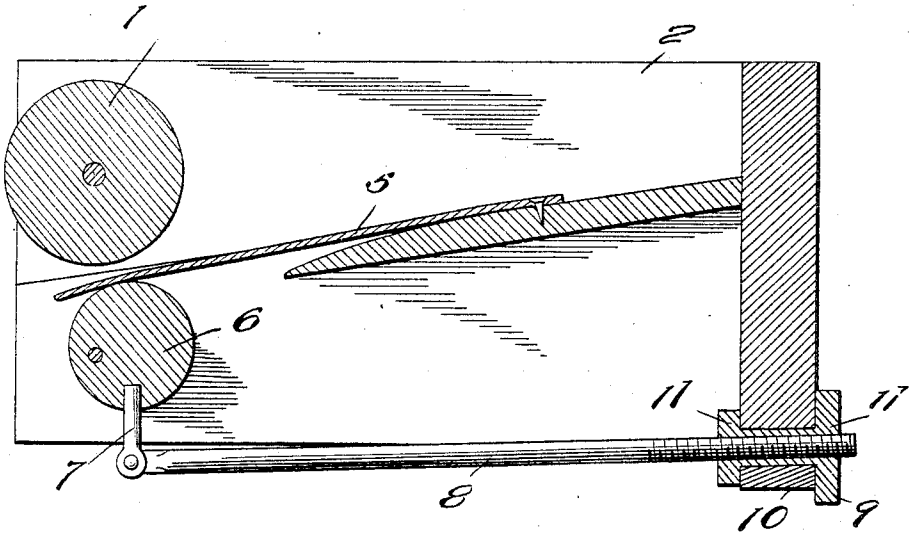
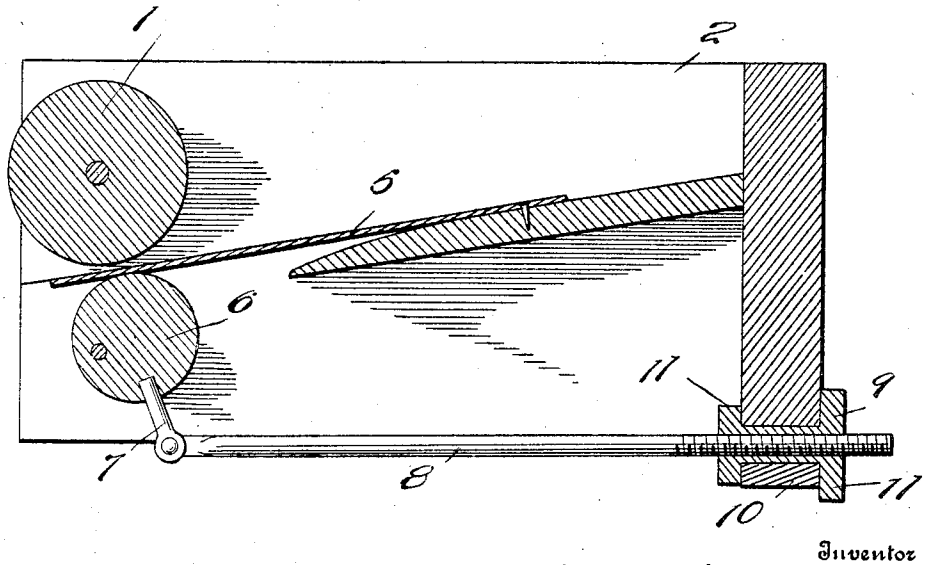


Fig. 3.



Inventor

Joseph Mercer

Witnesses

G. R. Thomas

K. G. Whitcomb

By

Swift & Co.

Attorneys

THE NORRIS PETERS CO., WASHINGTON, D. C

UNITED STATES PATENT OFFICE.

JOSEPH MERCER, OF MARION, INDIANA.

INK-FOUNTAIN.

No. 828,760. Specification of Letters Patent. Patented Aug. 14, 1906.

Application filed October 23, 1905. Serial No. 284,066.

To all whom it may concern:

Be it known that I, JOSEPH MERCER, a citizen of the United States, residing at Marion, in the county of Grant and State of Indiana, have invented a new and useful Ink-Fountain; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention consists of improved means for rendering the feed-cylinder of a printing-press fountain accessible for cleansing the same when a different kind or color of ink is to be used.

My invention also consists of novel means for regulating the feed of or supply of ink to the rollers.

With these and other objects in view the invention consists of the novel construction and arrangement of parts hereinafter described and shown, and particularly pointed out in the appended claim.

In the drawings forming part of this specification, and in which like numerals of reference designate corresponding parts, Figure 1 is a perspective view of a fountain for printing-presses constructed in accordance with this invention. Fig. 2 is a transverse sectional view, the feed-gage being normal. Fig. 3 is a similar view to Fig. 2, the eccentric cylinder being partially rotated, diminishing the ink-feed.

Referring to the drawings, 1 designates the feed-roller of my fountain, which is adapted to feed the ink to the proper distributer. The roller 1 is mounted in a pivoted frame 2, which enables the roller to be readily raised for the purpose of cleansing it when desired. The frame 2, which is pivoted, as at 3, is provided with a hook 4, which is adapted to engage an eye on the stationary portion of the fountain. The ink is placed upon the inclined plate 5, having a free end resting upon an eccentric cylinder 6. The cylinder 6 is provided with an arm 7, which is pivoted to a lever 8, which has its outer end, which is screw-threaded, mounted in a cylindrical screw-threaded nut 9. The nut 9 is mounted in suitable bearings 10 and is provided with flanges 11 on opposite ends, whereby it will remain securely in its place when rotated. It will be clearly seen that the eccentric cylinder 6 engaging the free end of the plate 5 will readily and accurately regulate the feed of the ink as desired. The feed-roller 1 is of course provided with the ordinary ratchet-wheel, which is adapted to be engaged by mechanism on the printing-press for rotating said wheel, whereby the ink is fed to the press.

I desire it to be understood that changes in the form, proportion, and minor details of construction may be made without departing from the spirit of the invention or sacrificing any of the advantages thereof.

What I claim is—

An ink-fountain composed of upper and lower sections, pivotally connected, the lower section having an inclined face, a plate arranged parallel with said inclined face and flush therewith, and having its lower portion supported by an eccentric cylinder, a depending arm connected with said eccentric cylinder, a horizontal rod pivotally connected with said depending arm, a double-flanged nut mounted in the rear of said lower section, and engaging the outer end of said rod, substantially as described.

In testimony whereof I have hereto affixed my signature in the presence of two witnesses.

JOSEPH MERCER.

Witnesses:

ERNEST RICHARDSON,

HARRY SLACK.