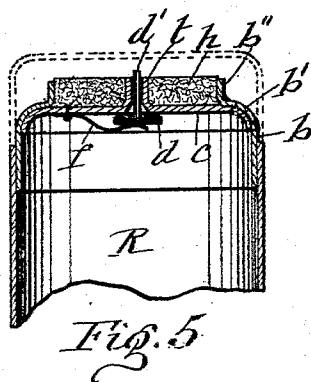
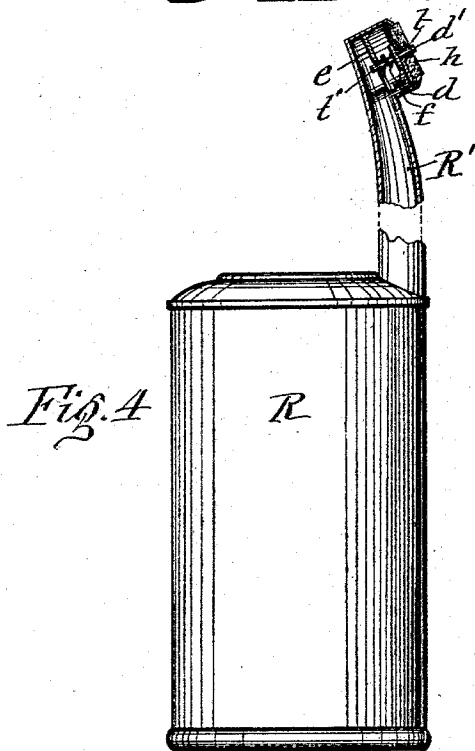
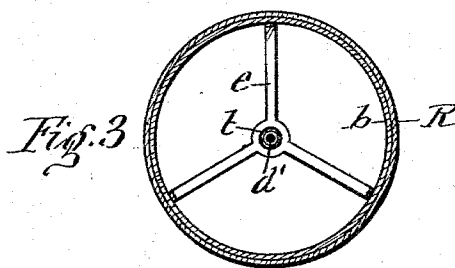
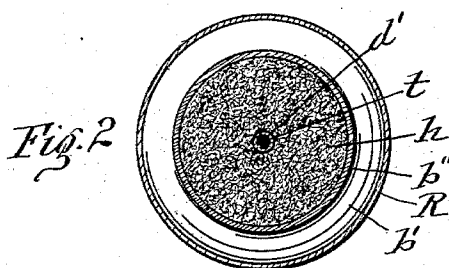
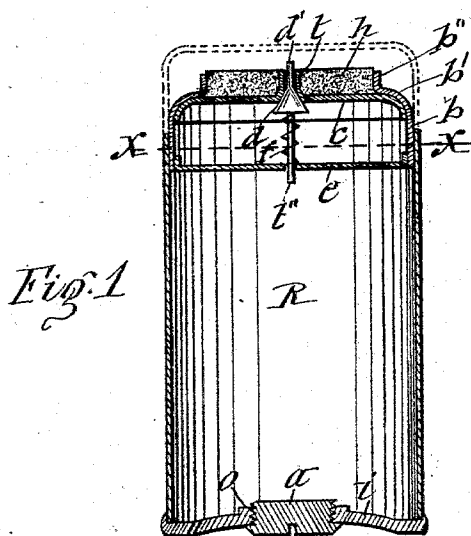


(No Model.)

G. J. B. RODWELL.
PAD INKER.

No. 511,215.

Patented Dec. 19, 1893.



WITNESSES:

Ed. Bendixon
J. J. Saasz

INVENTOR:

George J. B. Rodwell
By *Drull, Laessle & Drull*
his ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE J. B. RODWELL, OF BUFFALO, NEW YORK, ASSIGNOR OF TWO-THIRDS TO SAMUEL J. MOORE AND HERBERT C. SECORD, OF TORONTO, CANADA.

PAD-INKER.

SPECIFICATION forming part of Letters Patent No. 511,215, dated December 19, 1893.

Application filed February 11, 1893. Serial No. 461,943. (No model.)

To all whom it may concern:

Be it known that I, GEORGE J. B. RODWELL, of Buffalo, in the county of Erie, in the State of New York, have invented new and useful
5 Improvements in Pad-Inkers, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention is designed for applying ink
10 to pads used for inking marking stamps and analogous articles.

My invention consists in an improved construction and combination of the component parts of the pad inker, said parts being readily stamped out of sheet metal, and struck up
15 into shape by means of suitable dies, and readily united to form a pad inker of great efficiency and convenience of operation, all as hereinafter more fully described and set forth
20 in the claim.

In the annexed drawings Figure 1 is a vertical transverse section of a pad-inker embodying my invention. Fig. 2 is a top plan view of the same. Fig. 3 is a transverse section on
25 line *x, x*, in Fig. 1. Fig. 4 is a side-view of an inker designed for use on pads having the stamp connected to them, a part of the side of the discharge pipe being broken away to illustrate the internal parts thereof, and Fig.
30 5 is a sectional view of a modification of the spring which holds the valve in its closed position.

Similar letters of reference indicate corresponding parts.

35 R— represents the ink-fount which I preferably form of sheet metal and of cylindrical shape. To one end of this cylinder I solder or otherwise firmly secure a plate —*i*— which constitutes the bottom of the fount. The center of this bottom plate is provided with a circular opening —*o*— through which to introduce the ink. Said opening is screw-threaded and closed by a correspondingly screw-threaded plug or stopper —*a*— removably secured
45 therein.

In the upper end of the fount —R— I fasten in any suitable manner the ring —*b*— which is formed with the inward offset —*b'*— and upward flange —*b''*— as illustrated in

Fig. 1 of the drawings. To the under side of 50 this offset I solder the disk —*c*— which is formed with the upwardly or outwardly extending discharge-tube —*t*— in its center. The inner end of this tube I preferably form flaring to facilitate the egress of the ink when 55 desired. Beneath the disk —*c*— is a spider —*e*— attached to the ring —*b*— as shown, or to the inner side of the cylinder —R— as may be desired. This spider is provided with a central orifice for the purpose hereinafter ex- 60 plained.

d— denotes a valve which is seated on the under side of the disk —*c*— and, when the discharge tube —*t*— is made flaring as aforesaid, I form the said valve conical. The valve 65 has a stem —*d'*— extending from its top up through the tube —*t*— and projects above said tube when the valve is closed. To properly guide the valve I provide it with a downwardly extending stem —*t'*— which passes 70 through the central orifice of the spider —*e*. A spiral spring —*f*— is interposed between the spider and valve to hold the latter in its closed position.

The hereinbefore described flange —*b''*— 75 and tube —*t*— form an annular cup surrounding said tube, and in this cup I secure a swab or brush —*h*— composed of felt or other suitable material adapted to spread over the pad the ink issuing from the tube —*t*. 80

In using the described inker it is to be placed in an inverted position upon the pad to be inked. The bearing of the outer end of the stem —*d'*— upon the pad pushes the valve —*d*— into its open position and thus allows 85 the ink to escape through the tube —*t*. Then, by wiping the pad with the inker inverted as aforesaid, the swab —*h*— spreads the ink over the pad. As soon as the inker is removed from the pad the valve —*d*— is automatically 90 closed by the spring —*f*.

When the inker is to be used on pads connected to the stamp, as is the case with spring stamps, where the pad is not accessible by an inker of the form shown in Fig. 1 of the draw- 95 ings, I provide the fount —R— with a spout —R'— which terminates with a lateral projection to which I connect the discharge tube

—*t*—, swab —*h*— and valve —*d*— combined and operating similar to the corresponding parts shown in Fig. 1 of the drawings.

I do not wish to be limited specifically to the use of the spiral spring —*f*— as it is obvious that other forms of springs may be employed for the same purpose. One of said modifications is illustrated in Fig. 5 of the drawings, in which the spring —*f*— is formed of a leaf or plate of steel or other suitable spring metal bowed at its central portion and secured at one end to the under side of the disk —*c*— and supporting upon its opposite end the valve —*d*.

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

As an improved article of manufacture, a pad-inker composed of the fount —*R*— provided with the removable stopper —*a*— in its bottom, the ring —*b*— secured to the upper

end of said fount and formed with the inward offset —*b'*— and upward flange —*b''*—, the disk —*c*— secured to the said offset and formed with the upwardly extending tube 25 —*t*—, the valve —*d*— seated on the under side of the disk and provided with the stem —*d'*— extending through the tube —*t*—, the spider —*e*— attached to the ring —*b*—, the stem —*t'*— extending from the valve through 30 the said spider, the spiral spring —*f*— interposed between the spider and valve, and the swab —*h*— seated upon the disk —*c*— and confined thereon by the tube —*t*— and flange —*b''*—, substantially as described and shown. 35

In testimony whereof I have hereunto signed my name this 18th day of January, 1893.

GEORGE J. B. RODWELL. [L. S.]

Witnesses:

GEO. SLADE,

DE LANCEY CRITTENDEN.