

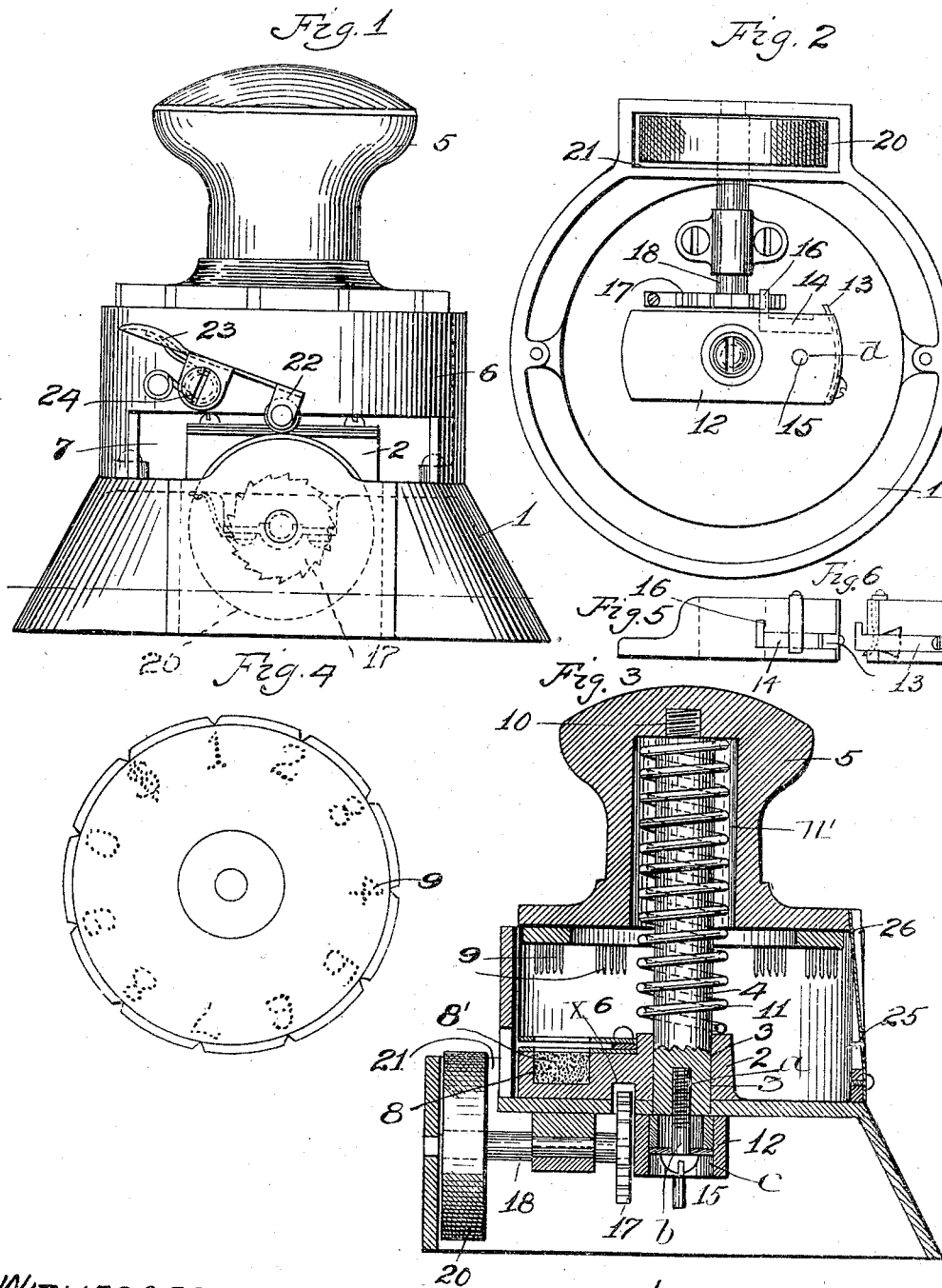
No. 647,068.

Patented Apr. 10, 1900.

J. B. BENSON.
CHECK PERFORATOR.

(No Model.)

(Application filed Mar. 14, 1898.)



WITNESSES:
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JOHN B. BENSON, OF PITTSBURG, PENNSYLVANIA.

CHECK-PERFORATOR.

SPECIFICATION forming part of Letters Patent No. 647,068, dated April 10, 1900.

Application filed March 14, 1898. Serial No. 673,689. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. BENSON, a citizen of the United States, residing at Pittsburg, in the county of Allegheny, State of Pennsylvania, have invented or discovered certain new and useful Improvements in Check-Perforators, of which the following is a specification.

My invention relates to improvements in devices adapted to prevent checks, drafts, &c., being altered or raised.

The object of my invention is to produce a simple, cheap, and efficient device of this general character, and more particularly relates to the feed mechanism of the same; and to this end my invention consists in the novel construction, combination, and arrangement of parts hereinafter described, reference being had to the accompanying drawings, which form a part of this specification and in which like reference characters indicate corresponding parts throughout the several views.

In the accompanying drawings, Figure 1 indicates a side elevation of my improved check-perforator. Fig. 2 is an inverted plan view of the same with the bottom of the same removed. Fig. 3 is a vertical sectional view of the same. Fig. 4 is a top plan view of rotatable cap or disk. Figs. 5 and 6 are detail side and end views, respectively, of a portion of the feed mechanism.

Referring to said drawings, 1 is a base, circular in shape, the upperside of which at the center, substantially, of the same is provided with an upwardly-extending projection 2, having an orifice or opening 3 extending through the center of the same and adapted to receive and support the lower end of the spindle 4 of the rotatable cap 5, which is adapted to be guided by and reciprocate vertically within the cylinder 6, which is secured in any suitable manner to the base 1. The forward side of said cylinder is provided with a large slot 7, segmental in shape, to enable checks or other papers to be passed therethrough and to be brought immediately over the inking-pad box 8, formed on the upper side of said base 1. The said box 8 is for the purpose of receiving a pad 8', which is adapted to be saturated with ink or other marking liquid, or the said box may contain

ink or other marking fluid alone. The lower or inner side of said rotatable cap 5 is provided with a number of downwardly-projecting needles or prongs 9, in shape conforming with the required numerals or other characters desired to be perforated in the checks or other papers. The said needles when carried downwardly, as hereinafter described, pass into the inking-pad or marking fluid contained in said box 8, and in their upward passage through the check or other paper mark or color the impression of the character made by said needles in said check or paper.

The contracted upper end of said spindle 4 is screwed or otherwise suitably secured in the socket 10, formed in the rotatable cap 5. A spiral spring 11, mounted upon said spindle and arranged in the enlarged socket 11', between the bottom of the same and the top of the projection 2, is adapted when retracted to carry the rotatable cap upwardly, as hereinafter described. The lower end of said spindle 4 is provided with a threaded socket *a*, adapted to receive the correspondingly-threaded shank *b* of the screw *b*, which extends upwardly through an orifice in the block 12 for the purpose of securing said block upon the lower end of said spindle. The under side of said block is provided with a recess *c*, in which the head of said screw is countersunk. One end of said block is provided with a blade-spring 13 and with a dovetailed recess adapted to receive the L-shaped finger 14, slidable endwise in said dovetailed recess and maintained therein by the inward pressure of the end of said spring. A pin 15, secured to the bottom of the case 1, projects through an orifice *d* in said block 12 for the purpose of preventing lateral motion in said block. The short arm 16 of said finger 14 projects across and engages the teeth of the ratchet-wheel 17, which is rigidly secured upon the shaft 18, suitably secured in bearings 19, secured upon the lower inside of said base 1, whereby when the spindle is depressed the short arm or member of the L-shaped finger 14 is forced inward and slides over the ratchet-wheel 17 during the downward movement of the spindle. Immediately the spindle is relieved from pressure the upward movement of the same, caused by the retraction of the spiral spring mounted on the upper end thereof,

carries the block 12 upwardly and with it the endwise-slidable finger 14, the short arm 16 of which then engages the ratchet-wheel 17 and rotates the same. When the spindle is in this position—i. e., an elevated position—the pressure of the spring 13 upon the finger 14 holds the ratchet-wheel locked. The lower inner side of said base 1 is milled or slotted at X to receive said ratchet-wheel 17, which is, as heretofore stated, secured upon the shaft 18, on the opposite end of which is secured the feed-roller 20, which projects upwardly through a slot 21 in said base immediately opposite the inking-pad and immediately below the retaining-roller 22, which engages upon the same. Said retaining-roller is secured in the outer end of the spring-pressed arm 23, which is mounted on a short shaft or pin 24, projecting from the side of said cylinder. The rear end of said cylinder is provided with a short slot 25, in which a blade-spring 26, V-shaped in cross-section, projects for the purpose of preventing the rotatable cap 5 turning during the perforating operation, said cap having a correspondingly-shaped notch in the periphery thereof to admit of this.

The operation of my device is as follows, to wit: The spring-pressed arm being raised, a check or other paper desired to be perforated is passed through the large slot in the front of the device, and said retaining-roller, being released, holds the check or other paper between the same and the feed-roller, the cap being rotated until the requisite numeral or other character desired (shown on the top of the same) is brought immediately over the inking-pad, thereby bringing the prongs or needles forming said numeral or other character immediately over said inking-pad. Said

rotatable cap is then forced downward and inward of the cylinder, carrying the block downward. At the same time the prongs or needles perforate the numeral or other character desired in the check or other paper, and the cap being released from pressure the retraction of the spiral spring carries the same upward and causes the finger to engage the ratchet-wheel, rotating the same, thereby feeding the check or other paper forward a sufficient distance to enable another figure or other character to be perforated therein, if desired. The check or other paper may then be released by pressing the retaining-roller out of engagement with the feed-roller.

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

In a check-perforator, the combination of a case or base, a rotatable disk or cap, the under side of which is provided with prongs or needles arranged thereon at intervals to describe any desired character or figure, means for inking said needles, a spindle arranged vertically in bearings in said base and adapted to reciprocate therein, a ratchet and feed-roller mounted upon a common shaft, a block secured upon the lower end of said spindle, the said block having an endwise-slidable finger normally out of engagement with said ratchet-wheel but adapted to engage the same on the upward movement of said spindle, substantially as set forth.

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

JOHN B. BENSON.

Witnesses:

CYRIL A. GOLDEN,
WM. A. GOLDEN.