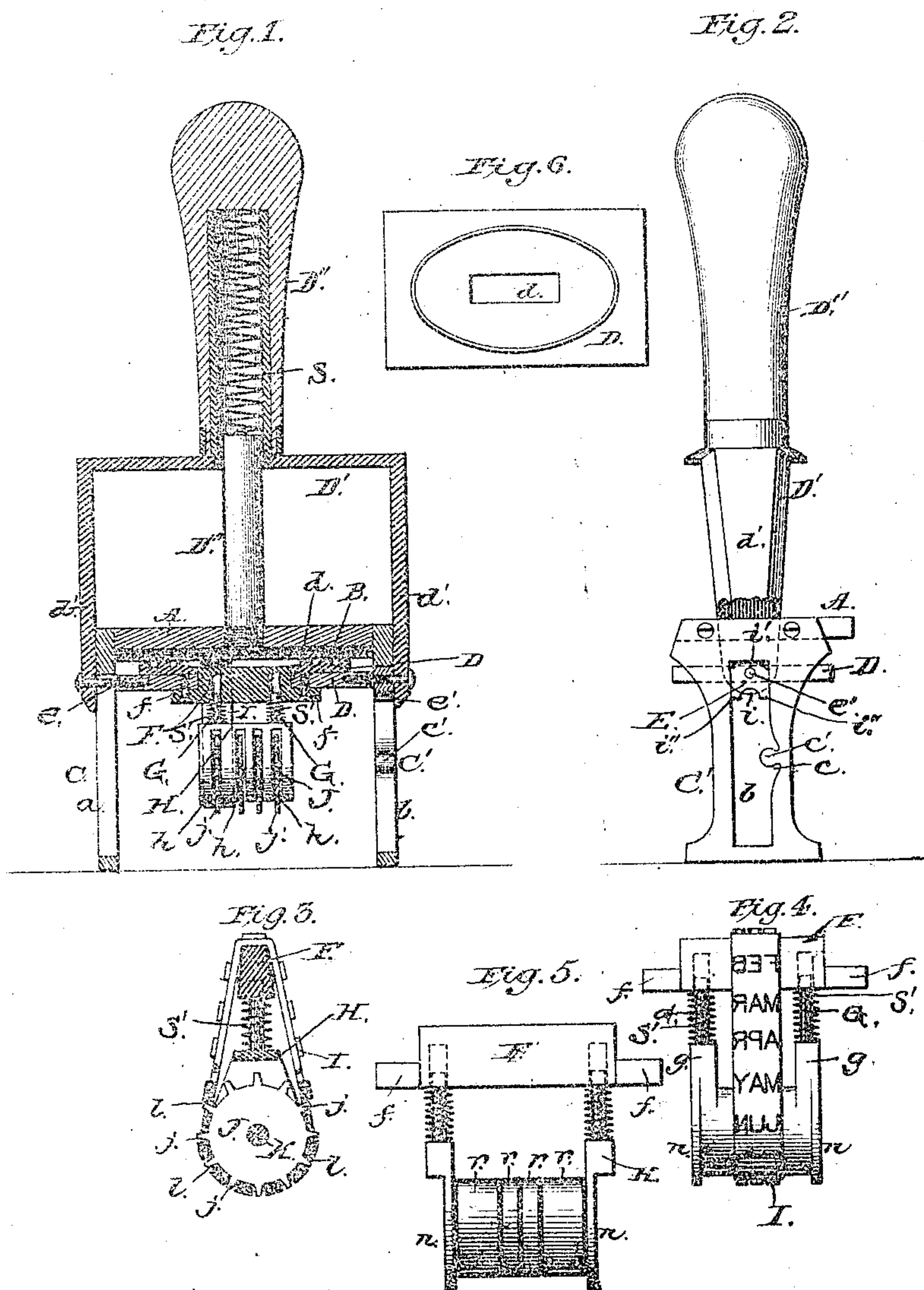


(No Model.)

C. C. WILSON.  
Hand Stamp.

No. 230,848.

Patented Aug. 3, 1880.



WITNESSES

*John A. Case.*  
*F. J. Chase.*

INVENTOR

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*his* ATTORNEY



# UNITED STATES PATENT OFFICE.

CHARLES C. WILSON, OF WASHINGTON, DISTRICT OF COLUMBIA.

## HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 230,848, dated August 3, 1880.

<sup>d</sup> Application filed May 26, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES C. WILSON, of Washington, in the county of Washington and District of Columbia, have invented a new and valuable Improvement in Hand-Stamps; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical section of my improved hand-stamp. Fig. 2 is an end view of the same, and Figs. 3, 4, 5, and 6 are details.

This invention has relation to improvements in oscillating hand-stamps of the self-inking class.

The object of the invention is to simplify and improve the mechanism whereby the fixed-matter plate is oscillated, so as to decrease friction; and, secondly, to provide means for automatically taking up the slack of the dating-bands and for changing the dates by turning the bands about their bearings.

The nature of the invention to these ends will be fully shown hereinafter.

In the annexed drawings, the letter A designates a horizontal metallic plate, usually recessed on its under side for the reception of the ink-pad B, and supported upon the end legs, C C'. The end leg C is vertically slotted, as shown at *a*, the slot being plain and rectangular. The other leg is also vertically slotted at *b*, the slot being somewhat wider than that of leg C, and being provided in one edge, at about the middle of its length, with a curved recess, *c*, and a centrally-projecting stud, *c'*, of rounded-form, extending out into the slot from the side of this recess a short distance beyond the slot-wall.

The legs C C' are formed of metal, and may be struck out with a die complete and ready for use, or they may be cast.

D indicates the fixed-matter plate, having raised characters on its face around a slot, *d*, cut therein, and provided at one end with the journal *e*, extending through the slot *a* of leg C, and at the other with a journal, *e'*, extending through the slot *b* of leg C', and both journaled in the legs *d'* of an inverted-U-shaped

bail, D', passing over the pad-plate and carrying the hollow handle D''. The plate A carries a central projecting stem, D''', extending into the handle and bearing at its end against a spiral spring, S, in the hollow of the said handle.

E indicates a tumbler formed of metal, and of the same width as the slot *b*. This tumbler is fixed to the journal *e'*, or to the adjacent end of the fixed-matter plate, this alternative being preferred, and it moves freely up and down in slot *b*. It is provided with a rounded-edge notch, *i*, of a size to receive the correspondingly-rounded stud *c'*, and its opposite edge is curved, as shown at *i'*, the radius of the arc being the distance from the extremity of the stud to the opposite side wall of slot *b*. At each side of the notch *i* of the tumbler E is a prong, *i''*. When the handle is pressed down in the act of stamping the tumbler moves in a right line until the prong *i''* on one side comes in contact with the stud *c'*. It then enters the recess at the upper side of the said stud, and the tumbler is turned, the notch *i* receiving the stud *c'* at right angles to its former position, the other prong being in the recess at the lower side of said stud. It then turns over end for end and presents the inked face of the fixed-matter plate to the article to be stamped. The reverse movement of the said plate is caused by the reaction of spring S, and the plate is turned side for side, with its printing-face against the pad, by an exactly reversed operation of the tumbler and its connections on leg C'.

F indicates a preferably tapered quadrangular bearing extending through the slot *d* of the fixed-matter plate, and having one face nearly on a level with the faces of the characters on said plate. The bearing F has end offsets, *f*, and is secured to the back of the plate by suitable screws or other fastenings passing into the same through said offsets. Projecting into the opposite face of bearing F, near its ends, and working in perforations therein endwise, are two parallel metallic rods, G, of suitable length and rigidity, that pass into guide-perforations in the adjacent face of the bearing H, and are rigidly secured thereto. This bearing is rounded or semi-cylindrical at its bearing-face and tapers off at its sides ad-



jacent to bearing F, to avoid interfering with the endless dating-bands I passing around said bearings F and H, and holding them together; or it may have tapering end offsets, *g*, for the attachment of the ends of the guide-rods G.

The dating-bands I are held properly tense by means of the spiral springs S', arranged on rods G between the bearings F and H, the said springs also taking up the slack thereof as it occurs from use automatically.

As shown in Fig. 1, the bearing H may be transversely slotted, as at *h*, the slots being so arranged as to be under the middle line of each of the dating-bands. Through these slots spurs *j* extend out from the periphery of the wheels J, arranged to rotate independently on an axial shaft, K, extending through the cylindrical bearing H. These prongs engage properly-spaced perforations *l* in the bands, and extend somewhat through them, being designed to facilitate the changing of the dates and moving the bands; or the slots and spurred wheels may be dispensed with and simple metallic rings *r*, lying edge to edge on the bearing H, may be used, one of said rings being under each dating-band.

When used in this manner the rings will be prevented from lateral displacement by the end flanges, *n*, which are also used when the bearing aforesaid is not provided with devices for operating the bands.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a hand-stamp, the combination, with the stamp-legs C C', having the vertical slots *a b*, respectively, the latter being provided with the rounded recess *c* in one edge and the horizontally-projecting stud *c'* extending in the plane of the leg into said slot *b*, of the fixed-matter plate D, having the spindles *e e'* extending through said slots, and the tumbler E, having the rounded-edge notch *i* and the curved edge *i'*, attached to the fixed-matter

plate, and moving in the slot *b*, substantially as specified.

2. The combination, with the legs having slots *a b*, the latter slot having the rounded projecting spur *c'* and recesses above and below it, of the fixed-matter plate D, having spindles *e e'* extending through said slot, the round-edged and notched tumbler E, working in slot *b* and attached to the said plate, and mechanism for depressing and raising said plate, substantially as specified.

3. The combination, with the vertically-reciprocating fixed-matter plate D, having the round-edged and notched tumbler and end spindles, *e e'*, of the legs C and C', the latter having the spurred slot *b''*, and mechanism for depressing and raising said plate, substantially as specified.

4. The combination, with the slotted fixed-matter plate D, of the quadrangular bearing F, extending through said plate and secured thereto, the guide-rods G, the bearing H, the dating-bands I, passing around said bearings H and F, and the spiral tension-springs S', between the same on rods G, substantially as specified.

5. The combination of the bearing F, rods G, bearing H, springs S', and dating-bands passing around said bearings, substantially as specified.

6. The changeable-matter attachment for hand-stamps, consisting of the bearing F, having means of attachment to the fixed-matter plate, the guide-rods G, the bearing H, the endless dating-bands I, and the springs S' between said bearings, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

C. C. WILSON.

Witnesses:

PHILIP C. MASI,  
JOHN A. ELLIS.