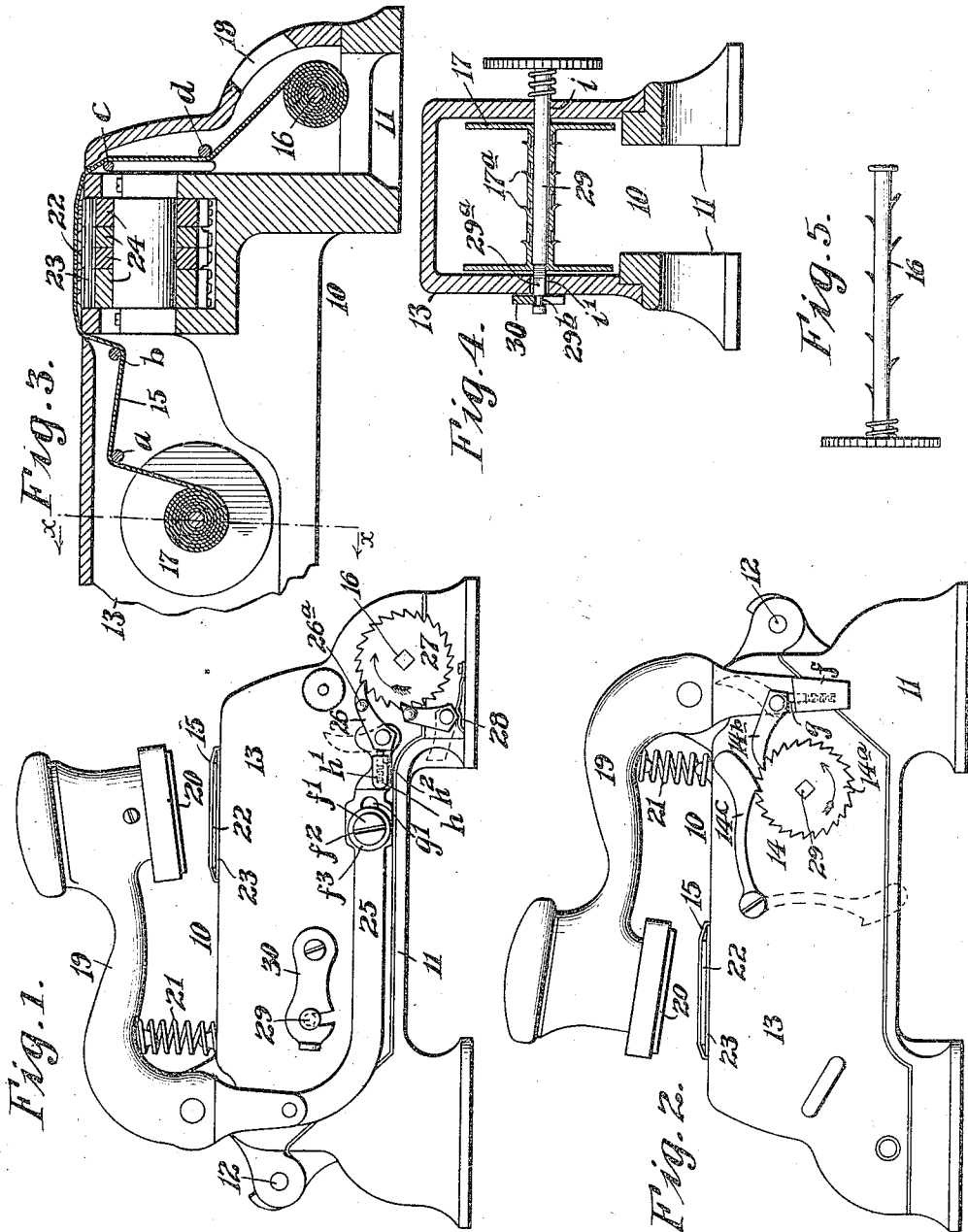


B. B. HILL.
 DATING STAMP.

APPLICATION FILED OCT. 26, 1909.

952,738.

Patented Mar. 22, 1910.



WITNESSES:
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DATING-STAMP.

952,738.

Specification of Letters Patent. Patented Mar. 22, 1910.

Application filed October 26, 1909. Serial No. 524,690.

To all whom it may concern:

Be it known that I, BENJAMIN B. HILL, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Dating-Stamps, of which the following is a specification.

My invention has relation to certain improvements in types of dating stamps patented to me November 3d, 1908, No. 902,582, and December 7th, 1909 No. 942,827, in which in the present instance, the improvements reside in constructive arrangements of a spool and a barbed spindle for receiving and winding thereon an ink ribbon for inking the type of such a stamp, among others, and to provide for the ready application to or from the stamp of the ink ribbon spool from which it is unwound onto the barbed spindle of the stamp.

Hitherto dating stamps have not been provided with an ink-ribbon spool arranged to permit of ready removal of the same for application of another ribbon, for use, in the stamp but usually the ribbon was wound on spindles, fixtures of the stamp and the ends of the ribbon attached to the spindle so as to be fed from one onto the other, by operations of the stamp, but this took time when replacing of the ribbons became necessary as well as soiling the hands, owing to the necessity to handle the ribbon both in the renewing and in the placing of another ribbon on the spindles, and it is to avoid just such objections that is the main object of my present invention, the providing of the dating or other stamp with a readily removable ribbon spool and with a barbed spindle arranged so that by actions of the stamping-head the ribbon can be removed on the spool, without really having to handle the ribbon in the removing or replacing of the same.

My invention stated in general terms, consists of the defined improvements in a dating stamp, when arranged for use, in substantially the manner hereinafter described and claimed.

The nature and characteristic features of my invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, in which:—

Figures 1 and 2, are respectively, side ele-

vational views of the stamp from opposite sides thereof. Fig. 3, is a broken, longitudinal central sectional view through the stamp. Fig. 4, is a transverse sectional view, partly in elevation, on the line *x, x*, of Fig. 3, showing the removable ink-ribbon spool and accessories thereof, embodying particular features of my present invention; and Fig. 5, is an elevational view of the barbed spindle for winding an ink-ribbon thereon.

Referring to the drawings 10, represents the dating stamp, comprising the stand 11, hinged at 12, to an oblong telescoping case 13, adapted to embrace and protect the principal working parts of the stamp, as well as carrying pawl-and-ratchet mechanism 14, for operating an ink-ribbon 15, to be presently fully described. The case 13, in front is provided with an opening 18, along which passes the ink-ribbon 15, and above the case 13, is hinged the stamping head 19, with a pad 20. This head is normally maintained in an inoperative position by coiled spring 21, the respective ends of which seat with stops of the case and head. 22 is a die-plate fitting a bed 23, for a series of impression or dating wheels 24, as clearly shown in Fig. 3. *a, b, c*, and *d*, are guides arranged interiorly of the casing 13, Fig. 3, and over which the inking ribbon 15, from the removable spool 17, of my present invention passes to the barbed spindle 16, as clearly shown in Fig. 5. The said pawl-and-ratchet mechanism 14, operates the inking ribbon 15, in a rearward direction onto the spool 17, when the ratchet 14^a, is revolved in the direction of the arrow in Fig. 2, by the feed of the pawl 14^b, pivoted to the stamping head 19, adjacent to a pocket *f*, having a spring controlled pin *g*, in bearing contact with the heel portion of the pawl 14^b, as clearly shown in Fig. 2. Any slip or failure to feed the ribbon in a rearward direction is prevented by a locking detent 14^c, arranged to engage the ratchet 14^a. On the opposite side of the stamp 10, is pivotally connected with the stamping-head 19, a sliding longitudinal bar 25, which is held in proper sliding position by a bolt *f*¹ passing through an oblong slot *g*¹, of the bar 25; the bolt *f*¹, is provided with a slotted head *f*², and a washer *f*³, bearing against said bar. The free end of the bar 25, carries a feed-pawl 26, adapted to be thrown into contact with a ratchet-wheel 27, on one end of the barbed spindle 16, a fixture of the cas-

ing 13. In a pocket h , in the forward end of the bar 25, are provided a coiled spring h^1 , and a pin h^2 , arranged so that the pin normally contacts with the heel portion of the feed-pawl 26, provided with a stud 26^a.

In the stand 11, adjacent to the ratchet-wheel 27, is located a spring controlled locking-detent 28, Fig. 1, to prevent slip of the ratchet-wheel 27, during forward feed of the same and ink-ribbon 15, step-by-step over the die-plate 22. To rewind the ribbon 15, from the spindle 16, in one direction onto the removable spool 17, the spring controlled pawl and detent of the pawl-and-ratchet mechanism of Fig. 1, is first thrown out of engagement with the ratchet-wheel 27. The dating stamp thus arranged permits of a continuous winding of the ink-ribbon 15, over the die-plate 22, from the spool 17, onto the spindle 16 and vice versa, by shifting one and then the other of said mechanisms of Figs. 1 and 2 on the respective sides of the casing 13, and through operating up and down the stamping-head 19.

Having explained general features of a stamp to which my present invention is applicable I will now describe more particularly the arrangement of the ink-ribbon for such a stamp but such arrangement is adapted for use in other types of dating or impression stamps than the one explained. In the sides of the casing 13, are arranged openings i and j , to receive a spindle 29, on which is mounted the spool 17, provided with preferably struck up bars 17^a, for receiving one end of the ink-ribbon 15. The spindle 29, is provided with preferably a square end 29^a, with a notch 29^b, formed therein, for engaging a slotted catch 30 therewith, to hold the spindle 29, in position with the spool 17, thereon so as to be readily removed, in the inoperative position of the stamp and by release of the catch 30, from the notched end of the spindle 29. As the stamp thus described is arranged it will be seen that the ink-ribbon can be first wound

onto the spindle 16, in one direction and then back onto the removable spool 17, in the opposite direction, by actions of the stamping-head 19.

Having thus described the nature and objects of my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a stamp having an operating member, a spindle provided in the stamp casing having a square portion, means connected with said casing to lockingly engage said spindle, an inking ribbon spool carried by said spindle and means adapted to be connected to and disconnected from one end of said spindle to revolve said spool by actions of the operating member of said stamp, substantially as and for the purposes described.

2. In a stamp of the character described, a spring positioned spindle mounted in the stamp casing having a square portion with a notch, means to lockingly engage said notch to said casing, an inking-ribbon spool mounted on said spindle within said casing and means adapted to be connected to and disconnected from one end of said spindle to revolve said spool, by actions of the stamp-head of said stamp, substantially as and for the purposes described.

3. In a stamp of the character described, a spring positioned spindle mounted in the stamp casing having a square portion with a notch, means to lockingly engage said notch to said casing, an inking-ribbon spool mounted on said spindle within said casing and means connected with one end of said spindle and with the stamp-head of said stamp for actuating said spool, substantially as and for the purposes described.

In witness whereof, I have hereunto set my signature in the presence of two subscribing witnesses.

BENJAMIN B. HILL.

Witnesses:

J. WALTER DOUGLASS,
THOMAS M. SMITH.