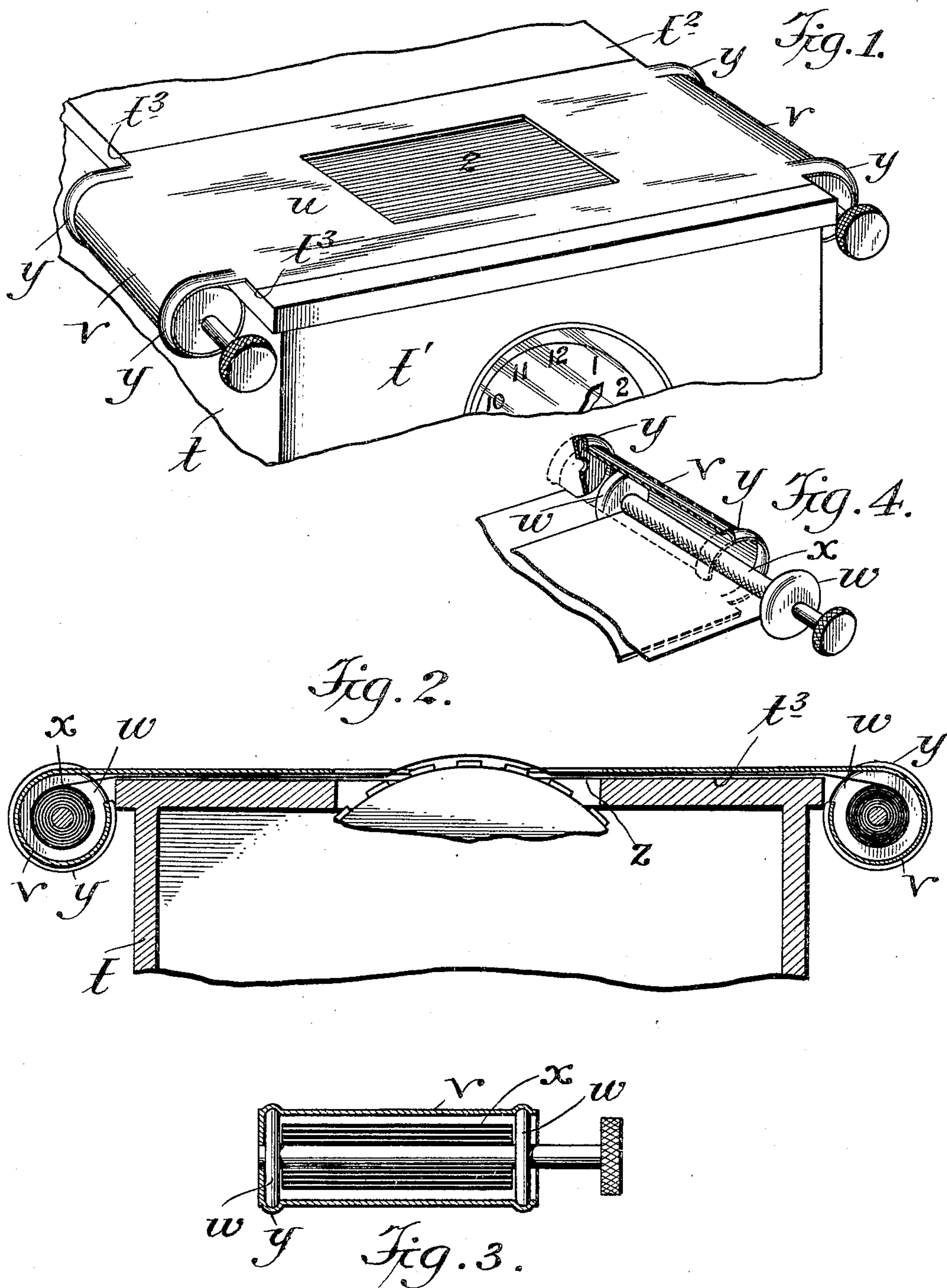


No. 797,888.

PATENTED AUG. 22, 1905.

W. I. FOLLETT.  
RIBBON HOLDER FOR TIME AND OTHER STAMPS.  
APPLICATION FILED MAR. 2, 1905.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## RIBBON-HOLDER FOR TIME AND OTHER STAMPS.

No. 797,888.

Specification of Letters Patent.

Patented Aug. 22, 1905.

Original application filed December 13, 1904, Serial No. 236,770. Divided and this application filed March 2, 1905. Serial No. 248,163.

*To all whom it may concern:*

Be it known that I, WILBUR I. FOLLETT, a citizen of the United States, residing in the borough of Brooklyn, city of New York, State of New York, have invented certain new and useful Improvements in Ribbon-Holders for Time and other Stamps, of which the following is a specification.

This invention comprises certain novel features of construction hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view showing the ribbon-holder applied to the casing of a time-stamp; Fig. 2, a vertical longitudinal section therethrough; Fig. 3, a transverse section through one of the ribbon-housings at the end of the holder; and Fig. 4, a detail perspective view, partly broken away, showing the manner in which the ribbon-bobbin is mounted and held in the housing.

$t$  is the time-stamp casing, having a hinged door or front  $t'$ , that may be provided with a suitable lock and has the usual opening through which the clock-face is observable. The top-plate  $t^2$  of the casing is provided with the usual opening across which the ribbon travels, and is recessed across its face, as indicated at  $t^3$ , to receive the plate  $u$  of the ribbon-holder. This ribbon-holder comprises a plate  $u$ , with a central opening, which fits snugly into the recessed face of the top plate of the casing and is at each end extended and curled into cylindrical form to form housings  $v$  for the ribbon-bobbins, the ribbon traversing beneath the plate and across the opening therein. Each edge of the plate, which is curled into the cylindrical housings  $v$ , is formed with a corrugation or groove the concave face of which is inward, so as to constitute annular bearings for the heads or flanges  $w$  of the ribbon-bobbin of which  $x$  is the spindle. The plate  $u$  and the housings  $v$ , formed at the end thereof, are made of sheet metal possessing sufficient elasticity for two purposes: first, to permit the ready insertion and removal of the bobbins, the flanges or heads of which when in position run and are guided in channels or grooves  $y$ , formed by the corrugations before referred to, and, second, so that when the plate is dropped into position and the housings forced downwardly with slight pressure they yield to pass the edges of the top plate of the casing and react to grasp it, forming, in effect, spring-latches at each end.

As will be apparent from an inspection of

Fig. 1, this plate  $u$  of the ribbon-holder, in connection with the ribbon wound upon the bobbins and indicated by the letter  $z$ , forms a complete closure or dust-guard covering the opening in the top plate of the casing through which the printing-wheels are exposed.

As seen in Fig. 2, the printing-wheels, which extend somewhat above the opening in the top plate of the casing, lift the ribbon slightly out of the horizontal plane, causing it to pass in its traverse in contact with the edges of the sides of the opening in the ribbon-holder plate  $u$ . The holder therefore constitutes a perfect dust-excluding closure for the necessary opening in the top plate of the casing through which the printing-wheels are exposed, and the mechanism being otherwise completely inclosed in a tight case it is at all times when the case is closed protected from entering dust.

This application is a division of my application Serial No. 236,770, filed December 13, 1904, Patent No. 790,045, dated May 16, 1905.

I claim as my invention—

1. In a time-stamp, the combination with printing-wheels and their inclosing casing, of a detachable ribbon-holder, comprising an apertured plate with elastically-yielding housings at the ends of the plate and rotatable ribbon-bobbins contained within the housings, the elastically-yielding housings acting as spring catches or latches which grasp the edges of the top plate of the casing, and the holder and contained ribbon constituting a dust-guard for effectually preventing the entrance of dust through the apertured top plate of the casing.

2. In a time-stamp, the combination with the printing-wheels, of an inclosing casing having a top plate with an aperture through which the printing-wheels are exposed, and a recess extending across the plate, a ribbon-holder comprising an apertured plate fitting in such recess, elastically-yielding housings at each end of the ribbon-holder plate acting as spring-latches to retain the ribbon-holder in place on the top plate, and rotatable ribbon-bobbins contained in the housings.

3. A detachable ribbon-holder for a time-stamp comprising a sheet of spring metal, centrally apertured for printing purposes, and curved downwardly at each end, to form housings, and ribbon-carrying spindles rotatably mounted within the housings.

4. A detachable ribbon-holder for a time-stamp comprising a sheet of spring metal,

centrally apertured for printing purposes, and curved downwardly at each end, to form housings, and ribbon-carrying spindles mounted within the housings, the housings constituting spring-clamps for retaining the ribbon-holder in place upon the casing of the time-stamp.

5. In a time-stamp, the combination with an inclosing casing of a detachable ribbon-holder having housings for the reception of bobbins upon which the ribbon is wound, and which are constructed to slip over and grasp the edges of the casing, and a cover-plate con-

necting the housings, the whole being so arranged that when the ribbon is stretched from one housing to the other the printing-opening in the top plate of the casing, under the ribbon-holder, will be covered up and rendered dust-proof.

In testimony whereof I have hereunto subscribed my name.

WILBUR I. FOLLETT.

Witnesses:

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