

No. 873,071.

PATENTED DEC. 10, 1907.

M. B. NIXON.
RIBBON HOLDER FOR TYPE WRITERS.
APPLICATION FILED JAN. 12, 1907.

FIG. 1.

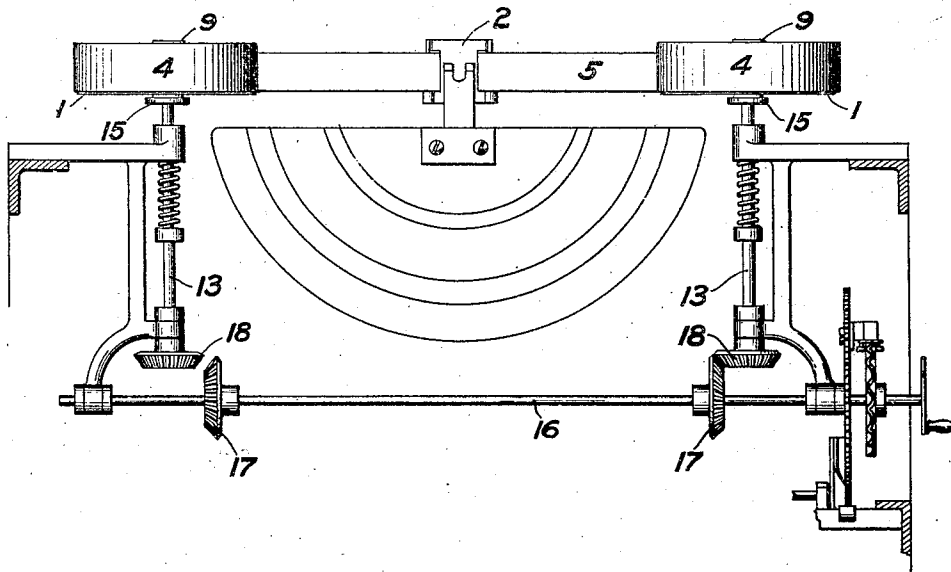
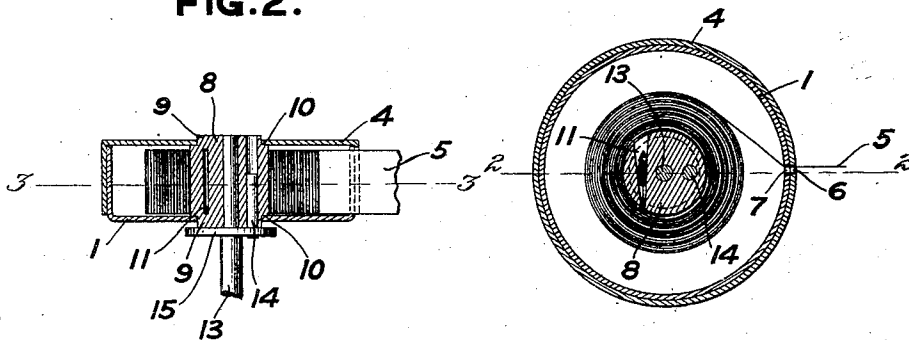


FIG. 3.

FIG. 2.



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RIBBON-HOLDER FOR TYPE-WRITERS.

No. 873,071.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MORRIS B. NIXON, a citizen of the United States, and resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Ribbon-Holders for Type-Writers, of which the following is a specification.

This invention relates to ribbon holders for typewriters and consists in the construction and arrangement of parts hereinafter described and claimed.

The object of the invention is to provide a ribbon holder, which is adapted to contain the ribbon, to protect it from dust and dirt, and to constitute a package in which the ribbon may be sold, and which may be attached to a typewriter, such as the Underwood typewriter, with the least trouble.

In the drawings:—Figure 1 is a front elevation of a portion of an Underwood typewriter, including the reversing mechanism, the ribbon support, and the ribbon holders in position; Fig. 2 is a central vertical section on the line 2—2 of Fig. 3; through a ribbon holder, together with the ribbon and the roller on which it is wound; and Fig. 3 is a horizontal section on the line 3—3 of Fig. 2.

Each ribbon holder consists of a circular receptacle 1, having a bottom provided with a central perforation, and a slot 7 in one of its sides. A cover 4 fits over the said receptacle, and has a central perforation and a slot 6 in its side, which registers with the said slot 7. A roller 8 fits in the perforations in the cover 4 and in the receptacle 1, by means of reduced portions 9 at its ends, which fit the two perforations above mentioned, and shoulders 10 which rest upon the bottom of the receptacle and the inner face of the cover. A ribbon 5 is wound upon said roller 8. It will be noticed that said roller is cylindrical and without end flanges. The roller is provided with a tapered slot 11 for fastening the inner end of the ribbon thereto. A knot is tied in the end of the ribbon, and may be pulled into said tapered slot, so as to jam therein and to hold the end of the ribbon firmly. The ribbon is then wound upon the drum.

For a sales package, the receptacle 1 and the cover 4 may be so turned that the slots 6 and 7 do not register, and thus an air tight package is produced.

In order that the device shall be suitable for use, without change, in a typewriter, the roller 8 has a central hole which carries the end of the driving spindle 13 of the typewriter, and also a socket for a pin 14 carried on said driving spindle. By bringing the slots 6 and 7 into alinement, the ribbon 5 may be pulled continuously through said slots through a proper support 2 at the printing position, and to the other ribbon holder of the typewriter machine, which is supported upon a driving spindle 13, provided with a pin 14, as above described. The ribbon holder may thus be easily replaced upon the typewriter machine, and the same box in which it is sold becomes the casing in which it continues to be used. No latches, bolts, thumb screws, or other catches are needed for the use of this invention.

The device is adapted for use in any typewriter, but is shown applied to an Underwood typewriter, having two parallel driving spindles 13, each provided with a beveled gear 18 adapted to mesh with mating beveled gear 17 on the shaft 16. The said mating gears 17, 17 are set at such distances apart that when one is in mesh with its mate, the other is out of mesh with its mate.

The pin 14 may conveniently be placed upon a plate or disk 15 carried on the shaft 13.

The perforations in the top of the cover and in the bottom of the receptacle constitute bearings for the roller.

What I claim is:—

1. In a holder for typewriter ribbons, a receptacle having an opening in its bottom and having sides provided with a slot, a cover for the top thereof having a portion adapted to cover and to uncover said slot when the cover is turned on the receptacle, a revoluble roller in the receptacle, and means for connecting said roller with the driving spindle of a typewriter.

2. In a holder for typewriter ribbons, a receptacle circular in cross-section having an opening in its bottom and having sides provided with a slot, a cover for said receptacle circular in cross-section and having a slot in its side and adapted to cover and to uncover the slot in the receptacle when the cover is turned on the receptacle, a revoluble roller in the receptacle, and means for connecting said roller with the driving spindle of a typewriter.

3. In a holder for typewriter ribbons, a cy-

- lindrical receptacle having an opening in its bottom and having sides provided with a slot, a cylindrical cover for said receptacle having a slot in its side and adapted to cover and to uncover the slot in the receptacle when the cover is turned on the receptacle, a revoluble roller in the receptacle, and means for connecting said roller with the driving spindle of a typewriter.
4. In a ribbon holder for typewriters, a receptacle having a slot in its side and an opening in its bottom, a cover for said receptacle, a revoluble roller in the receptacle, and means for connecting said roller with the driving spindle of a typewriter through said opening.
5. In a ribbon holder for typewriters, a re-

ceptacle having a slot in its side and a bearing in its bottom, a cover for said receptacle having a bearing in its top, a roller for a ribbon carried by said bearings, and means for connecting said roller with the driving spindle of a typewriter.

6. In a ribbon holder for typewriters, a receptacle having a slot in its side and a perforation in its bottom, a cover for said receptacle having a perforation in its top, a roller for a ribbon having ends fitting in said perforations, and means for attaching the end of the roller to the driving spindle of a typewriter.

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Witnesses:

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