J. T. AMISS.

TYPE WRITER RIBBON.

APPLICATION FILED FEB. 17, 1916.

1,212,166.

Patented Jan. 16, 1917.

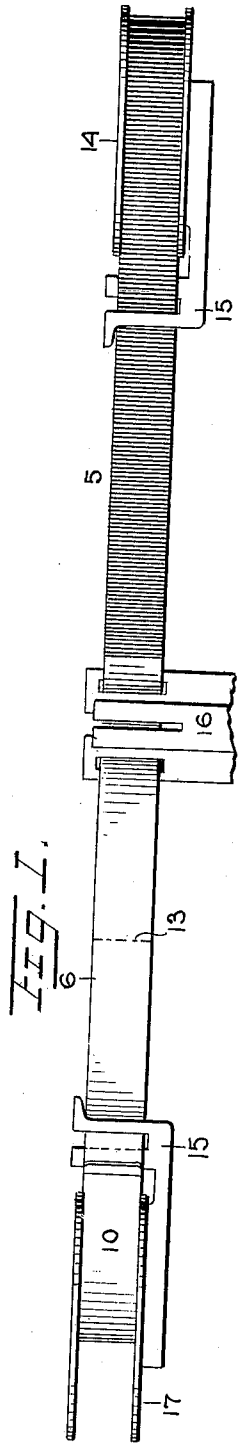


Fig. 1.

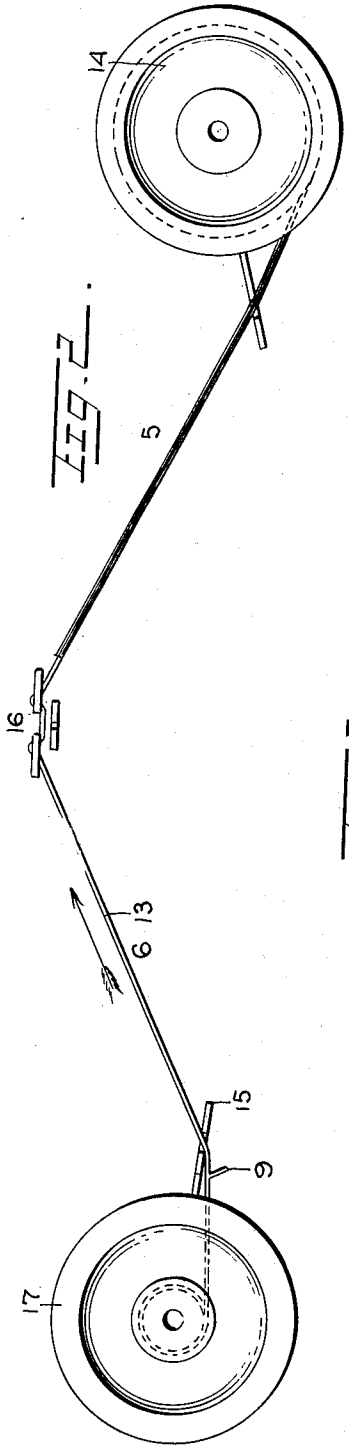


Fig. 2.

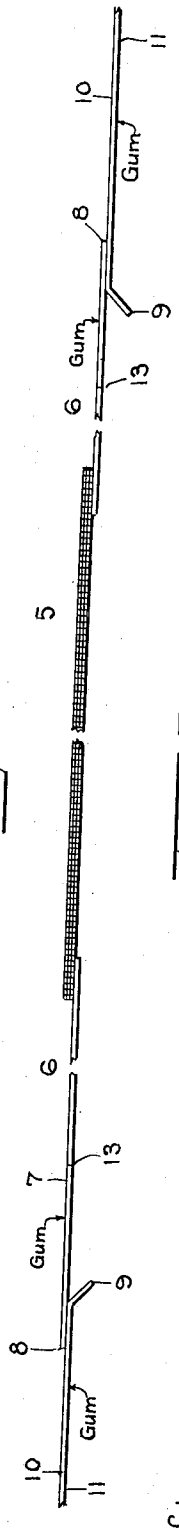


Fig. 3.

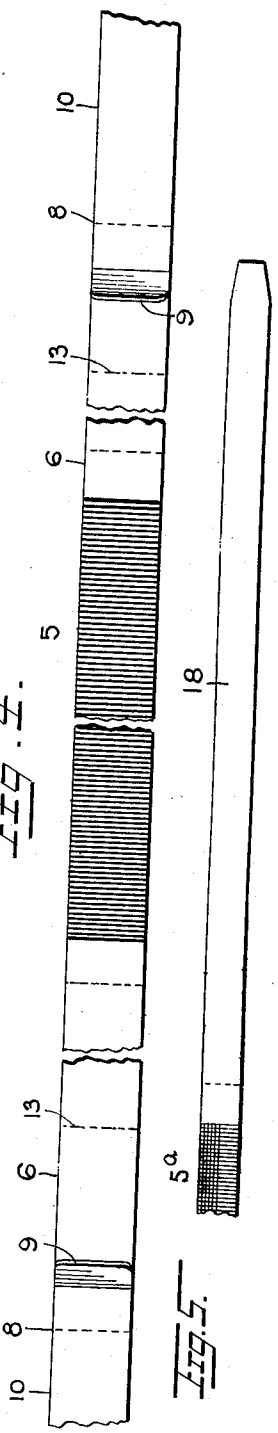


Fig. 4.

Fig. 5.

WITNESSES

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TYPE-WRITER RIBBON.

1,212,166. Specification of Letters Patent. Patented Jan. 16, 1917.

Application filed February 17, 1916. Serial No. 78,883.

To all whom it may concern:

Be it known that I, JAMES T. AMISS, a citizen of the United States, and a resident of Baton Rouge, in the parish of East Baton Rouge, State of Louisiana, have invented a new and Improved Type-Writer Ribbon, of which the following is a full, clear, and exact description.

My invention has for its object to provide a typewriter ribbon which may be replaced by a similar typewriter ribbon without winding one of the ribbons on a new ribbon spool, the ribbon having means for operating the reversing lever, and without the necessity of replacing the ribbon in the ribbon guide. In view of this, and also in view of the fact that it is unnecessary to handle the colored ribbon, there is no danger of the typist's hands becoming soiled. The ribbon in all cases may be used from end to end, and when worn, may be quickly replaced.

The colored ribbon has attached at each end a gummed strip, to which is attached another gummed strip which is longer than the first mentioned gummed strip, the end of one of the strips where they are united, extending to engage and operate the reversing lever.

Additional objects of the invention will appear in the following specification, in which the preferred form of my invention is disclosed.

In the drawings, similar reference characters denote similar parts in all the views, in which—

Figure 1 is a front view showing how my ribbon is adjusted with reference to the reversing lever and the ribbon guide; Fig. 2 is a plan view of Fig. 1; Fig. 3 is a plan view showing my ribbon in normal position; Fig. 4 is a front view of Fig. 3, and Fig. 5 is a fragmentary view showing the end of a ribbon provided with a modified form of strip.

By referring to the drawings, it will be seen that a colored ribbon 5 has secured to it at each end a paper strip 6, the said paper strips being gummed at their inner sides 7. Each of these paper strips 6 is preferably two and a half inches long, the outer ends 8 of the paper strips 6 being gummed to paper strips 10 adjacent the ends 9 of the said paper strips 10, the said ends 9 of the paper strips 10 being free from the paper strips 6, and normally extending for engaging and operating typewriter reversing levers 15. The paper strips 10 are preferably nine inches in length, and are gummed at their outer sides 11. Each of the paper strips 6 has a transverse mark 13 indicating the point at which it should be cut.

When a worn ribbon is to be removed and a new ribbon substituted, one of the spools, as, for instance, the spool 14, is turned, winding the ribbon thereon until the end 9^a of the strip 10 shown in Figs. 1 and 2 of the drawings engages a reversing lever 15 to operate the said lever, the typist then pushing the end 9^a through the opening in the said reversing lever 15, after which the spool 14 is wound again, thereby winding the ribbon thereon until the end 9^a comes in contact with a ribbon guide 16, which warns the typist that substantially all of the ribbon 5 is wound on the spool 14. The typist then tears or cuts the strip 6 at the place 13, as shown in Figs. 1 and 2 of the drawings, and a new spool is substituted for the spool 14, the new spool having a ribbon 5 wound thereon with strips 6 and 10 similar to the strips 6 and 10 which have been described. The gummed side 11 of the strip 10 which is attached to the outer end of the new ribbon is then moistened, and is affixed to the strip 6 of the old ribbon, the gummed side 11 of the strip 10 of the new ribbon being placed against the gummed side 7 of the cut strip 6 of the old ribbon. A spool 17 is then rotated, which will wind the paper strip 10 secured thereto, the cut paper strip 6, and the paper strips 6 and 10 which are attached to the ribbon on the new spool, the end 9^a of the strip 10 which has been described, passing freely through the reversing lever 15, as well as the end 9 of the outer strip 10, which has just been secured to the cut strip 6 of the old ribbon.

Of course, if desired, a portion of the paper strip 10, attached to the new ribbon, may be cut away, before the cut strip 6 on the old ribbon is attached to the strip 10 on the new ribbon.

If desired the paper strip 10 attached to the new ribbon may be removed when the end 9 which is gummed may be secured to the cut paper strip which is disposed through the ribbon guide. The ends of the paper strips 10 are also gummed so that they may be stuck to ribbon spools.

In Fig. 5 there is shown a modified form of the invention for use on typewriters other

than the Underwood. The manner of removal and replacing of this modified form of ribbon is similar to that which has been described in connection with the ribbon shown in Figs. 1, 2, 3 and 4 of the drawings.

The strips 18 which are secured to the ends of the ribbon 5^a are preferably gummed on both sides.

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

1. In combination with a typewriter ribbon, a strip having an end secured to an end of the typewriter ribbon, and a gummed strip secured to the first strip, the end of one of the strips where the two strips are joined together extending for operating a reversing lever of a typewriter.

2. In combination with a typewriter ribbon, an elongated member having an end secured to an end of the typewriter ribbon and with a projecting portion extending from the body of the member between its ends for operating the reversing lever of a typewriter.

3. In combination with a typewriter ribbon, a gummed elongated member having an end secured to the typewriter ribbon and a projecting portion extending from the body of the member and between its ends for operating the reversing lever of a typewriter.

4. In combination with a typewriter ribbon, a strip gummed on its inner side and having an end secured to an end of the typewriter ribbon, and a second strip gummed on its outer side, the second strip adjacent an end being affixed to the other end of the first strip, with the said end of the second strip free to extend from the first strip, for the purpose specified.

5. In combination with a typewriter ribbon, a strip having an end secured to an end of the typewriter ribbon, and a second strip, the second strip adjacent an end thereof being affixed to the other end of the first strip, with the said end of the second strip free to extend from the first strip for the purpose specified, one of the strips being gummed.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES TOWNSEND AMISS.

Witnesses:
JOE DAVIS,
L. B. KNOX.