

E. C. MAGNUS.
 DEVICE FOR HANDLING TYPE WRITER RIBBONS.
 APPLICATION FILED OCT. 3, 1908.

922,927.

Patented May 25, 1909.

Fig. 1

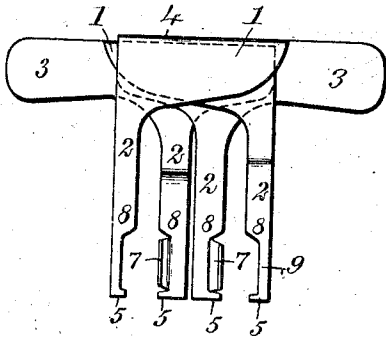


Fig. 2

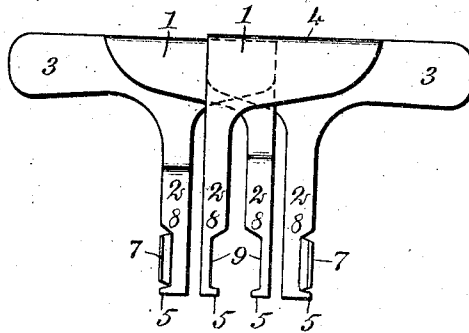


Fig. 3

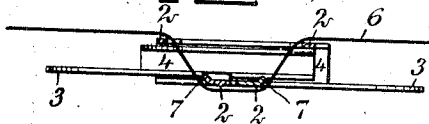


Fig. 4

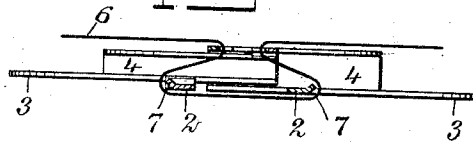
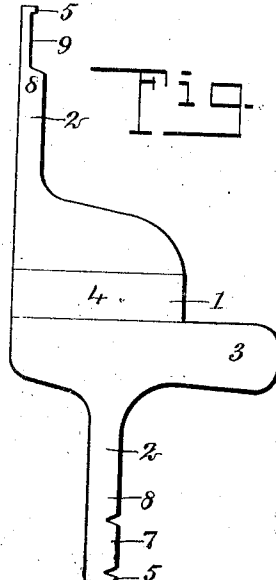


Fig. 5



WITNESSES

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EDWARD CHARLES MAGNUS, OF BONN, GERMANY.

DEVICE FOR HANDLING TYPE-WRITER RIBBONS.

No. 922,927.

Specification of Letters Patent.

Patented May 25, 1909.

Application filed October 3, 1908. Serial No. 456,017.

To all whom it may concern:

Be it known that I, EDWARD C. MAGNUS, a citizen of the United States, and a resident of Bonn-on-the-Rhine, Germany, have invented a new and Improved Device for Handling Type-Writer Ribbons, of which the following is a full, clear, and exact description.

The object of my invention is to provide a device which may be used in putting typewriter ribbons on typewriters and in removing the ribbon previous to writing wax stencils, or when worn, without it being necessary for the operator to touch the ribbon with his hands.

Other objects of the invention will appear in the following complete description.

In this specification I will describe the preferred form of my invention, but it will be understood that I do not limit myself thereto, as I consider myself entitled to all forms and embodiments of the invention which may be held to fall within the scope of the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures, in which—

Figure 1 is a side elevation of the invention with the handles pressed together; Fig. 2 is a similar view but with the handles drawn apart from each other; Fig. 3 is a sectional plan view of the device in the position shown in Fig. 1; Fig. 4 is a sectional plan view of the device in the position shown in Fig. 2; and Fig. 5 is a view showing one of the members after it has been stamped from a blank, but before it has been bent so that the planes of the fingers will be parallel with each other.

By referring to the drawings, it will be seen that my invention consists of two principal members 1, each of which is stamped out of a piece of metal in the form shown in Fig. 5, after which fingers 2 are bent with their planes parallel with each other, as is best shown in Figs. 3 and 4 of the drawings, a handle 3 being bent over with one of the fingers 2, but a considerable top portion 4 substantially at right angles to the fingers 2 being left so that when both members 1 are bent in this manner and when one of the members has its sides and fingers slightly closer together than does the other member, it will be possible for one member to slide within the other member as is shown in Figs. 1 and 2 of the drawings. Each of the mem-

bers 1 has two fingers, one disposed on either side, and there is a flange or hook 5 secured to the outer terminal of each of the fingers 2. This flange or hook 5 is provided to assist in holding a ribbon 6, and to prevent its slipping from the fingers 2. A lateral flange 7 is secured to one of the fingers 2 on each of the members 1, this flange 7 being adapted to permit the ribbon 6 to pass around the fingers on which they are secured in an easy curve. At a little distance from the flanges 5 and above the flanges 7 on the fingers to which they are secured, shoulders 8 project out in alignment with the flanges 5 so that the shoulders 8 and flanges 5 form the top and bottom of a recess 9.

In using my invention, the members 1 with their fingers 2 are disposed in the position shown in Fig. 1, when the fingers are disposed around the ribbon 6 as is shown in Fig. 3 with the ribbon 6 disposed in the recess 9 between the shoulders 8 and flanges 5 and when the ribbon is thus disposed, the handles 3 are pulled apart so that they will carry with them the fingers 2 to assume a position shown in Figs. 2 and 4 of the drawings, with the ribbon 6 held between the fingers so that its terminal may be introduced into the typewriter, or the ribbon may be handled in any other manner to secure it to the typewriter attachment according to the fittings in the particular machine on which the ribbon is to be adjusted.

As is shown in the drawings, the fingers on the member which slides within the other member may be bent outwardly in alignment with the fingers on the other member, so that the members will be prevented from sliding in and out beyond a predetermined distance, one of the fingers on each of the members being disposed at its terminal and the other finger being disposed at the other side of the member between the terminal of the member and the handle.

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

1. In a device for handling typewriter ribbons, a plurality of handles, fingers on the handles, the fingers being adapted for moving to and from each other, and means on the fingers for supporting a typewriter ribbon.

2. In a device for handling typewriter ribbons, a plurality of handles, a plurality of fingers on each of the handles, and a flange

near the terminal of a finger on each of the handles, the handles being adapted to move to and from each other.

3. In a device for handling typewriter ribbons, a plurality of handles, and a finger on each of the handles, there being a lateral recess in each of the fingers, the handles being adapted to move to and from each other.

4. In a device for handling ribbons, a plurality of handles, and parallel fingers on each of the handles, the handles being adapted to move substantially in alinement with each other.

5. In a device for handling ribbons, a plurality of handles, and parallel fingers on each of the handles, there being a lateral recess in one of the fingers on each of the handles, the handles being adapted to move substantially in alinement with each other.

6. In a device for handling typewriter ribbons, two handles, and parallel fingers secured to each handle, the fingers on one of the handles being disposed between the fingers on the other handle, the handles being adapted to slide relatively to each other.

7. In a device for handling typewriter ribbons, two handles, parallel fingers secured to each handle, and a flange on the outer terminal of one of the fingers on each of the handles, the fingers on one handle being disposed between the fingers on the other, the handles being adapted to slide relatively to each other.

8. In a device for handling typewriter ribbons, two handles, parallel fingers secured to each handle, there being a recess in one of the fingers on each of the handles, and a flange on one of the fingers on each of the handles, the fingers on one of the handles being disposed between the fingers on the other handle, the handles being adapted to slide relatively to each other.

9. In a device for holding typewriter ribbons, two members, each of which is bent with its sides parallel with each other, one member being disposed within the other, handles secured to each of the members, fingers which form terminals at the sides of the members respectively, and a flange near the terminal on one of the fingers on each of the members.

10. In a device for holding typewriter ribbons, two members each of which is bent with its sides parallel with each other, one member being disposed within the other, handles secured to the members, fingers which form the terminals of the sides of the members respectively, and a recess in one of the fingers on each of the members.

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

EDWARD CHARLES MAGNUS.

Witnesses:

LOUIS VANDORY,
BESSIE F. DUNLAP.