

(No Model.)

L. H. ROGERS.
RIBBON FOR TYPE WRITING MACHINES.

No. 455,263.

Patented June 30, 1891.

FIG. I.



FIG. II.



Witnesses

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LEBBEUS H. ROGERS, OF NEW YORK, N. Y., ASSIGNOR TO THE ROGERS
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RIBBON FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 455,263, dated June 30, 1891.

Application filed February 16, 1891. Serial No. 381,663. (No model.)

To all whom it may concern:

Be it known that I, LEBBEUS H. ROGERS, a citizen of the United States, and a resident of New York city, county of New York, and State of New York, have invented a new and useful Improvement in Ribbons for Type-Writing Machines, which improvement is fully set forth in the following specification.

The present invention has reference to the manufacture of inking-ribbons for use on type-writing machines, and its general object is to enable users to handle these articles with greater convenience and cleanliness.

It is a serious objection to the use of type-writers which employ a ribbon that the transfer material or ink with which the latter is coated and saturated comes off readily upon the fingers and garments of the user. It is a necessity of the case that the ribbons must be frequently handled in placing them on or removing them from the machine, and as different kinds of ribbons are used for different kinds of work these changes are in some cases a frequent occurrence.

According to the present invention this difficulty is overcome by enveloping the end of the ribbon with a layer of metal foil, such as gold leaf.

It is desirable, for several reasons, to mark or identify ribbons in some way to show, for example, the character of the ink, and also for the purpose of distinguishing particular goods by the name or trade-mark of the manufacturer. As ribbons are now made all such marks must be put on the wrapper or box, inasmuch as it is difficult to apply the

distinguishing-marks of any kind to a ribbon uniformly coated with aniline or other transfer material. By making the ribbon with a clean end, as above indicated, this part of the article may be utilized to receive any manufacturer's marks or directions which thereafter remain permanently on the ribbon. This will tend to protect reputable manufacturers, to prevent mistakes in packing ribbons for the market, and to facilitate the selection by the user of the particular ribbon he desires to employ.

In carrying out my invention the end of the inked ribbon may be varnished and then covered with metal leaf, which can be used as a ground upon which marking or lettering of any sort is embossed with an embossing-tool.

In the accompanying drawings, which form part of this specification, Figure I shows the end of a ribbon protected by a cover of metal foil; and Fig. II, an edge view of the same, partly in longitudinal section, *a* being the ribbon, and *b* the foil covering.

I claim as my invention—

An inked ribbon for type-writers, having the end protected by a covering of metal leaf, substantially as and for the purposes specified.

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

LEBBEUS H. ROGERS.

Witnesses:

ALBERT R. ROGERS,
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