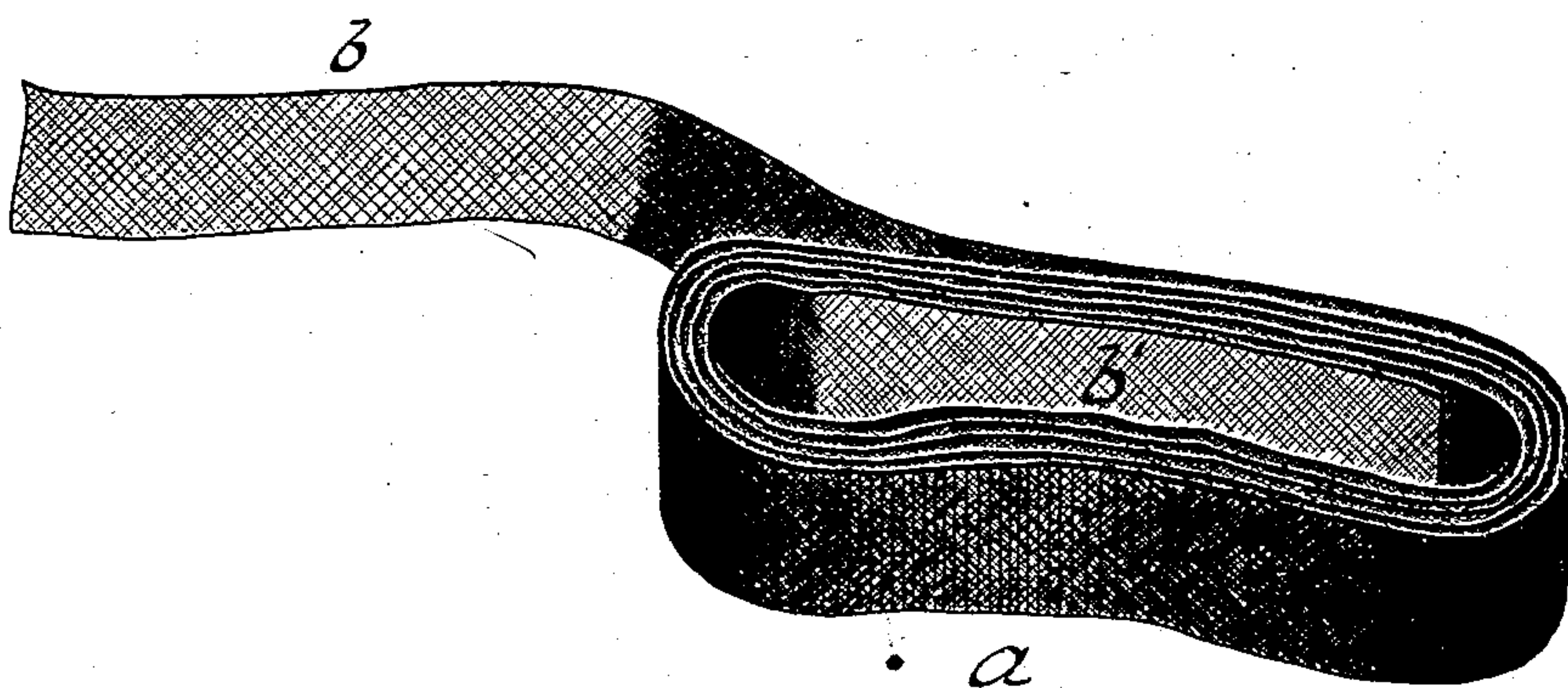


(No Model.)

L. BAILEY.
RIBBON FOR TYPE WRITING MACHINES.

No. 472,847.

Patented Apr. 12, 1892.



Witnesses:

A. R. Williams.

A. V. Jenkins.

Inventor,

Leonard Bailey,

by

Chas. L. Burdett,
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UNITED STATES PATENT OFFICE

LEONARD BAILEY, OF HARTFORD, CONNECTICUT.

RIBBON FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 472,847, dated April 12, 1892.

Application filed April 10, 1888. Serial No. 270,162. (No model.)

To all whom it may concern:

Be it known that I, LEONARD BAILEY, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and
5 useful Improvements in Ribbons for Type-Writing Machines, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

10 My invention relates to the class of ribbons that are specially prepared for use on a type-writing machine by being treated or saturated with an ink that remains moist for a considerable time; and my object is to provide a ribbon of this class that will have the ends im-
15 pervious to the ink used in treating the ribbon and thus leave such ends after the ribbon has been inked in proper condition for handling without danger of soiling the hands.

20 My improvement consists in a type-writer ribbon having one or both ends prepared with a material that renders it impervious to the ink used to coat or load the ribbon, as more particularly hereinafter described, and pointed
25 ed out in the claim.

Referring to the drawing, the figure represents a type-writer ribbon rolled or folded up and with one end extended and illustrating the method of embodying my improvement
30 in a ribbon.

The type-writer ribbons are made of any suitable and desirable material, as linen of a fine grade or silk, and a strip of any desired length and width is saturated or loaded with
35 the proper supply of an ink that will remain moist for a considerable length of time. Such a ribbon is to be placed on a type-writing machine by hand, and in the handling the operator is put to great inconvenience and loses
40 considerable time by the ink staining the fingers and hands when such ribbon is covered with ink for the whole length.

In the accompanying drawing, the letter *a* denotes a type-writer ribbon of any suitable fabric or material, the greater portion thereof
45 being inked in any usual manner. The ends *b b'*, however, before such inking are coated or treated with a preparation that will not be dissolved by the ink and that prepares the substance of the ribbon so that but little or
50 none of the ink can remain on this prepared surface. I find it possible to use a solution of gum shellac in alcohol and to apply this to one or both ends of the ribbon with a brush. The ribbon, when thus prepared, is then inked,
55 and although this prepared end may rest in contact with the main body of the ribbon when the latter is folded or rolled up in the usual manner for storage or transportation, but little, if any, of the ink remains upon the pre-
60 pared ends of the ribbon. Such a ribbon is comparatively clean and is easily handled without soiling the hands of the operator in putting it into or removing it from the machine.

I do not limit myself to the use of any specific gum or material for preparing the ends of the ribbon for the purpose herein described and claimed, as any equivalent gum or other
70 soluble substance dissolved in a vehicle that is impervious to the ink will be sufficient to enable my invention to be practiced.

I claim as my invention—

As an improved article of manufacture, a type-writer ribbon having one or both ends
75 coated or saturated with a material that renders the parts so treated impervious to the ink used for inking the ribbon, all substantially as described.

LEONARD BAILEY.

Witnesses:

CHAS. L. BURDETT,
A. B. JENKINS.