R. M. BECKER.

TYPE WRITING MACHINE.

APPLICATION FILED JAN. 27, 1913.

1,152,928. Patented Sept. 7, 1915.

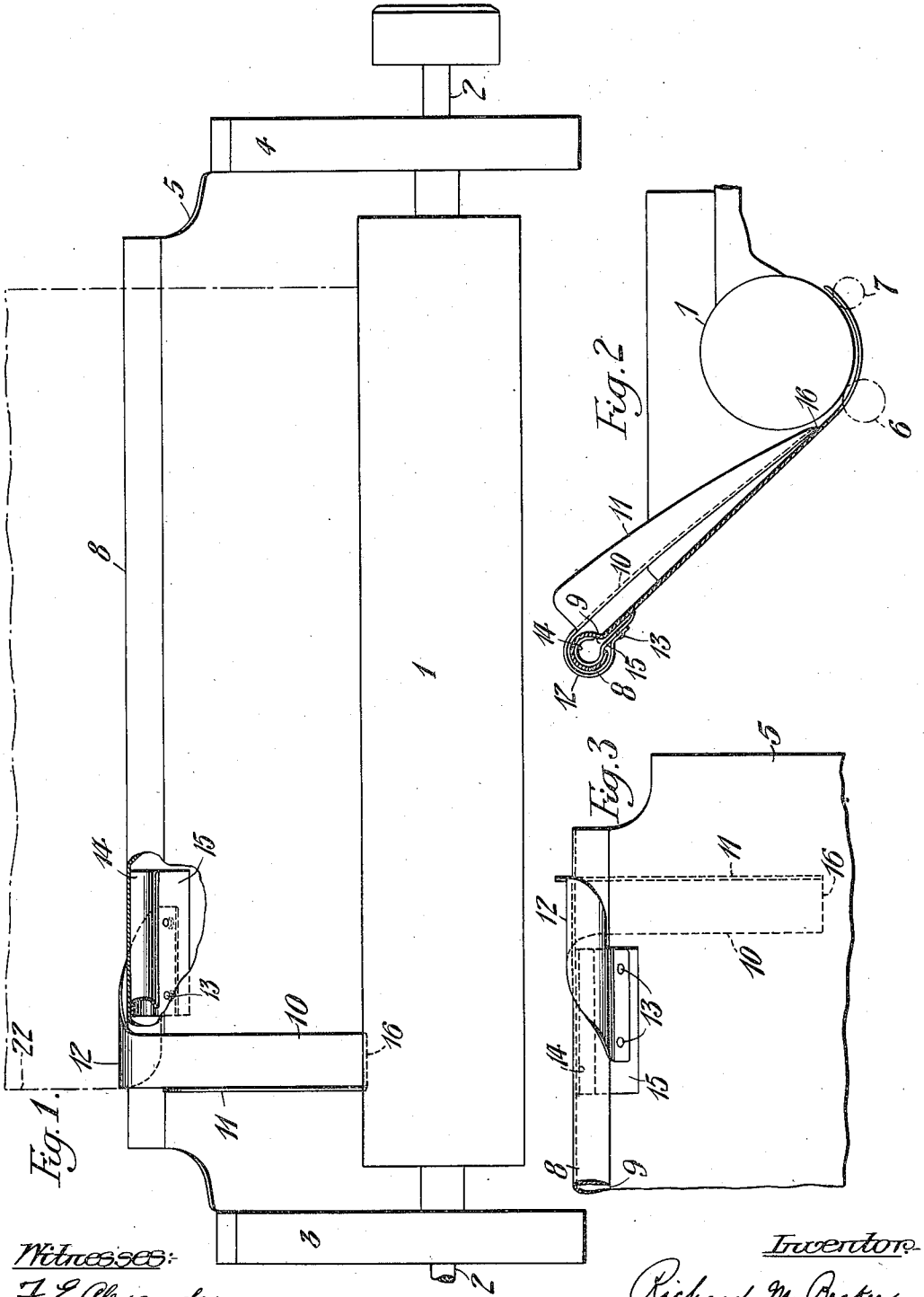


Fig. 1.

Fig. 2.

Fig. 3.

Witnesses:
F. E. Alexander
Julius Duckstine

Inventor
Richard M Becker
by B. b. Strickney
his Attorney

UNITED STATES PATENT OFFICE.

RICHARD M. BECKER, OF NEW YORK, N. Y., ASSIGNOR TO JOHN T. UNDERWOOD, OF BROOKLYN, NEW YORK.

TYPE-WRITING MACHINE.

1,152,928. Specification of Letters Patent. Patented Sept. 7, 1915.

Application filed January 27, 1913. Serial No. 744,314.

To all whom it may concern:

Be it known that I, RICHARD M. BECKER, a citizen of the United States, residing in Brooklyn, in the county of Kings, city and State of New York, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification.

My invention relates to paper guides for the side edges of the paper, the guide being slidably attached to the paper shelf at the introductory side of the platen of the typewriting machine. It is customary to secure such guides in the form of clips directly upon the paper shelf, but this is found objectionable because in adjusting such clips along the shelf, the latter becomes conspicuously scratched and marred.

An object of the present invention is to avoid this difficulty and provide a practical means for mounting the guide so that it will be entirely out of contact with the visible portion of the paper shelf.

The paper shelf of the Underwood typewriting machine, to which the invention is herein shown as applied, is usually formed at its upper or rear edge with a rolled rim or bead. According to the present invention, the paper guide is provided with a bearing portion which fits closely within said rim and is slidable longitudinally therein. The body portion of the guide extends over the paper shelf and its upper end is curved over the rim of the shelf and rigidly secured to said bearing portion. The slide is thus held entirely out of contact with the exposed portion of the shelf.

Other features and advantages will hereinafter appear.

In the accompanying drawings, which illustrate one form of my invention, Figure 1 is a top plan view of the platen frame of an Underwood typewriting machine with my improved paper guide attached thereto. Fig. 2 is a sectional end elevation of the same. Fig. 3 is a rear elevation.

The usual cylindrical platen 1 is journaled by means of an axle 2 in the ends 3 and 4 of a platen frame which also comprises a connecting plate 5, forming the paper shelf upon which the sheets are laid as they are introduced between the platen and the pressure rolls 6 and 7. At its upper edge the paper shelf 5 is rolled to form a tubular rim or bead 8, the edge of said rim being separated from the body of the shelf to form a slot 9 extending longitudinally of the shelf. The paper guide comprises a body portion 10 extending over the shelf and an upturned flange 11 forming a gage for the edge of the sheets of paper 22. The upper edge of the guide comprises a rolled portion 12 extending over and to the rear of the bead 8 and rigidly secured in any suitable manner as by rivets 13 to a bearing member 14. The latter may be made of sheet-metal and comprises a rolled portion which fits snugly within the bead 8, and a flat extension 15 extending through the slot 9 and secured by the rivets 13 to the end of the guide. The lower edge of the extension 15 inclines inward and bears against the back of the paper shelf. The upper portion of the guide is offset laterally in respect to the body portion so that the guide may be properly supported when moved to or beyond the left-hand end of the platen.

It will be observed that the guide is held entirely out of contact with the front or exposed surface of the paper shelf. The lower edge 16, which is behind and below the platen 1, and therefore entirely out of sight, bears lightly against the shelf 5, the guide being made of resilient material and formed to produce a slight pressure at the edge 16. The bearing member 14 fits in the roll 8 with sufficient friction to prevent accidental displacement of the guide, but permits the latter to be readily adjusted on the paper shelf. It also serves to prevent any substantial movement of the paper guide except in a longitudinal direction.

It will be observed that the object of my invention is attained without the use of any attachment or addition to the paper shelf, the latter alone serving to properly support the paper guide out of contact with the visible surface of the shelf.

Various modifications might be made without departing from the spirit and scope of my invention, and I wish therefore not to be limited to the exact construction herein disclosed.

Having thus described my invention, I claim:

1. In a typewriting machine, the combination of a paper shelf having one edge rolled; a paper guide projecting at one end over and to the rear of said rolled edge, and in spaced relation thereto; and a bear-

ing member slidably fitting within said rolled edge and frictionally engaged therewith, said member being connected to the projecting end of said guide and constituting the sole support for the same at said end.

2. In a typewriting machine, the combination of a paper shelf having one edge rolled to form a slotted tube; a paper guide projecting at one end over and to the rear of said tube, and in spaced relation thereto; and a bearing member slidably fitting within said tube and having an extension which projects downwardly through the slot in said tube and is connected to the projecting end of said guide, said member constituting the sole support for said guide at said end.

3. In a typewriting machine, the combination of a roller platen, an inclined paper shelf located in rear of the platen and having its upper edge rolled to form a concave bearing surface, a paper guide slidable along said shelf and having its lower edge bearing against the shelf at a point behind and below the platen, said guide extending from said bearing point upwardly and rearwardly over the shelf to the rear of said rolled portion but out of contact therewith, and a bearing member rigidly secured to the paper guide and slidable in said concave bearing.

4. In a typewriting machine, the combination of a shelf having its edge rolled, a paper guide having one end curved around the shelf roll, and a bearing member connected to the guide and slidable within said rolled edge and holding said curved end of the guide out of contact with the rolled edge of the shelf.

5. In a typewriting machine, the combination with a platen, of a paper shelf having a curled edge to form a roll extending short of the full length of said platen, a paper guide having a laterally offset portion, and a bearing member secured to said offset portion and slidable within said roll, for supporting said guide by said roll when the outer side thereof extends toward the end of said platen and beyond the confines of said roll.

6. In a typewriting machine, the combination with a paper shelf having a curled roll at the top edge thereof, of a paper guide having a supporting portion connected in one piece therewith, said guide and said supporting portion having concentric tubular portions respectively surrounding and surrounded by said roll in supporting said guide on said paper shelf, the tubular portion of said guide being disposed in spaced relation to said roll.

7. In a typewriting machine, the combination with a paper shelf having a tubular roll with a slot in one side, of a paper guide having a tubular supporting portion arranged to be held within said tubular roll with an extension passing through said slot, said tubular supporting portion being of a diameter greater in extent than said tubular roll, so as to be held within said tubular roll and prevented from passing bodily through said slot, said tubular supporting portion being adjustable longitudinally in said tubular roll, so as to vary its position with respect to said paper shelf.

RICHARD M. BECKER.

Witnesses:
J. A. BROPHY,
TITUS H. IRONS.