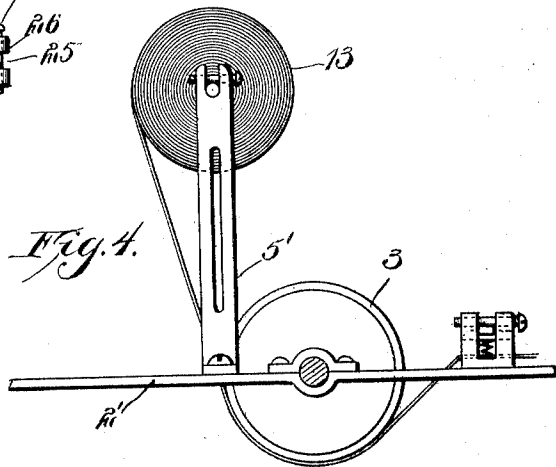
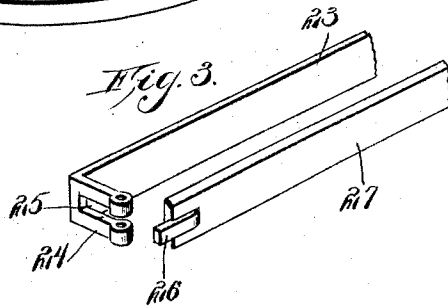
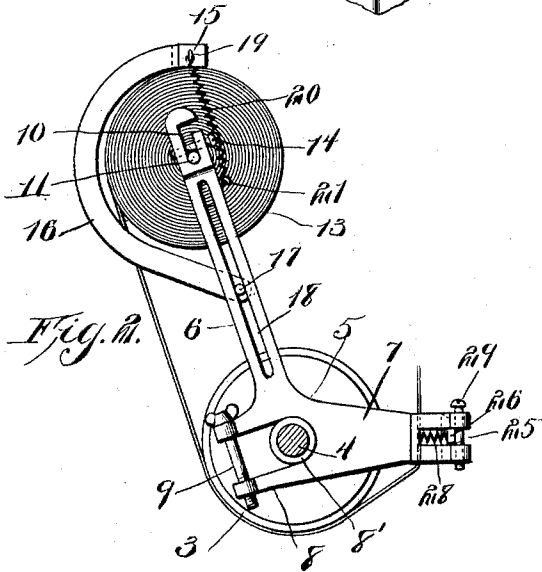
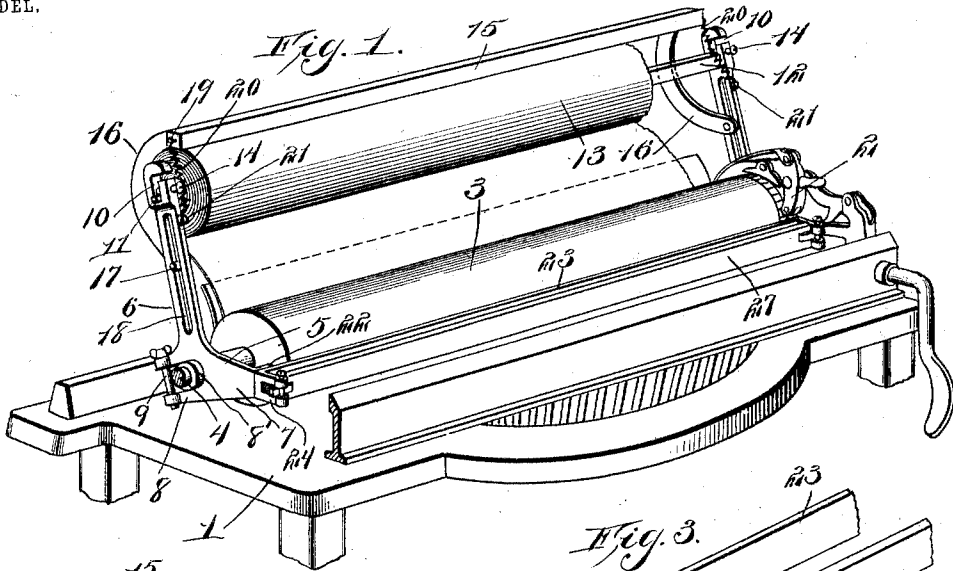


No. 759,337.

PATENTED MAY 10, 1904.

C. D. WILLIAMS.
PAPER ROLL HOLDER ATTACHMENT FOR TYPE WRITERS.
APPLICATION FILED AUG. 12, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES D. WILLIAMS, OF DILLARD, OREGON.

PAPER-ROLL-HOLDER ATTACHMENT FOR TYPE-WRITERS.

SPECIFICATION forming part of Letters Patent No. 759,337, dated May 10, 1904.

Application filed August 12, 1903. Serial No. 169,255. (No model.)

To all whom it may concern:

Be it known that I, CHARLES D. WILLIAMS, a citizen of the United States, residing at Dillard, in the county of Douglas and State of Oregon, have invented a new and useful Paper-Roll-Holder Attachment for Type-Writers, of which the following is a specification.

This invention relates to certain improvements in type-writing machines, and more particularly to a novel form of paper-holder and cutting attachment therefor.

The object of the invention is to provide a simple, inexpensive, and efficient device of this character capable of being quickly attached to, or detached from, the platen or other portion of the machine, and by means of which the paper may be continuously fed to the platen as the work progresses, without the necessity of feeding separate sheets of paper to the machine.

A further object of the invention is to provide means for guiding the paper and regulating the feed thereof from the roll to the platen and to provide a novel form of cutter or knife for severing the paper after being printed upon.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a type-writing machine having my improved paper holder and cutting attachment applied thereto. Fig. 2 is a side elevation of the bracket, roll-holder, and brake attached. Fig. 3 is a detail perspective view of the knife or cutter detached, and Fig. 4 is a side elevation of a portion of a machine illustrating a modified form of the invention.

Similar numerals of reference indicate cor-

responding parts in all the figures of the drawings.

1 designates the main frame of a type-writing machine, 2 the carriage, and 3 the platen, provided at its ends with rods 4, which bear on the carriage, as shown.

Secured to the opposite ends of the platen 3 are supporting-brackets 5, formed of metal or other suitable material and comprising a pair of angularly-disposed arms 6 and 7, as shown. The brackets 5 are provided with a rearwardly-projecting forked extension 8, adapted to engage collars 8' on the rods 4 of the platen, said brackets being detachably secured thereto by means of set-screws 9, or similar fastening devices, as clearly shown in Fig. 1 of the drawings.

The arms 6 of the brackets 5 are provided at their upper ends with bayonet-slots 10, which form bearings for the outwardly-extending lugs or trunnions 11 of a roller 12, upon which the band or web of paper 13 is wound, said roller being detachably mounted in the bearings 10 by means of screws 14, which engage the lugs 11 and prevent the roller from being accidentally displaced.

Mounted above the roll of paper 13 is a brake or tension device consisting of a longitudinally-disposed bar 15, provided with downwardly and rearwardly extending curved arms 16, the ends of which are provided with outwardly-projecting lugs 17, which engage vertically-disposed slots or recesses 18, formed in the arms 6, and by means of which the bar 15 is permitted to move vertically and accommodate itself to the size of the paper-roll. Secured to the ends of the bar 15 are hooks 19, adapted to engage suitable springs 20, the opposite ends of the springs being fastened to corresponding hooks 21, projecting from the arms 6, said springs serving to regulate the pressure of the bar on the paper-roll and prevent the paper from being unwound too rapidly. The springs 20, however, may be dispensed with, if desired, the weight of the bar 15 being sufficient to cause the paper to be evenly fed to the platen.

The ends of the arms 7 of the brackets 5

are bent to form inwardly-projecting lips 22, and secured to said lips in any suitable manner, as by screws or similar fastening devices, is a transversely-disposed bar 23, which lies substantially parallel with the platen and forms the bed-plate of the cutting attachment. The opposite ends of the bar 23 are bent to form angular extensions 24, the ends of which are bifurcated, as shown at 25, being preferably arranged flush with the arms 7, as shown. Mounted in the bifurcated extensions 24 are pins or lugs 26 of a reciprocating blade or cutter-bar 27, said blade being normally held out of contact with the bed-plate 23 by means of springs 28, mounted in the bifurcated part of the extension 24 and bearing against the lugs 26. The blade or cutter-bar is detachably mounted in the extensions 25 by means of set-screws, or similar fastening devices 29, which bear against the lugs 26 and permit the blade to be readily removed and sharpened when necessary.

In operation the brackets carrying the roll-holder and cutting attachment are clamped to the sleeve or collar 8' of the platen by means of the set-screws and one end of the paper passed under the platen and between the bed-plate 23 and cutter-bar 27, as clearly shown in Fig. 1 of the drawings. As the work or printing progresses the paper will be fed in the usual manner from the roll 13, being regulated and kept at the proper tension by the bar 15. Any portion of the paper may be severed when desired by depressing the blade 27 and drawing the paper across the edge thereof, as will be readily understood.

In Fig. 4 of the drawings I have illustrated a modified form of the invention in which the roll-supporting brackets and cutting attachment are formed separate. In this case the brackets 5' are clamped, or otherwise detachably secured, to the bed of the carriage 2', the cutting attachment being arranged in front of the platen and also detachably clamped or otherwise secured to the carriage, as shown.

It is obvious that the shape of the supporting-brackets may be varied to suit the particular style of machine on which the attachment is used, and the paper may be perforated at predetermined intervals to facilitate the cutting of the same, if desired. It is also obvious that the attachment may be secured to any portion of the machine, and any desired form of clamp may be employed instead of the set-screws shown.

Having thus described the invention, what I claim, and desire to secure by Letters Patent, is—

1. An attachment for type-writing machines, comprising supporting-brackets provided with angularly-disposed arms, a paper-carrying roller journaled in one set of said arms and a cutting attachment secured to the other, and means carried by the brackets at the in-

tersection of each set of arms for securing said brackets to the machine.

2. An attachment for type-writing machines, comprising supporting-brackets provided with angularly-disposed arms, a paper-carrying roller journaled in one set of said arms and a cutting attachment secured to the other, a tension device mounted on the brackets and means carried by the brackets at the intersection of each set of arms for securing said brackets to the machine.

3. An attachment for type-writing machines, comprising supporting-brackets, a paper-carrying roller journaled in said brackets, a tension-bar pivotally and slidably mounted on the brackets and adapted to bear on the paper-carrying roller and means for securing the brackets to the machine.

4. An attachment for type-writing machines, comprising supporting-brackets provided with angularly-disposed arms, a paper-carrying roller journaled in one set of said arms and a cutting attachment secured to the other, an adjustable tension-bar pivoted to the brackets and mounted above the paper-carrying roller, a spring connecting said bar and brackets, and means for securing the brackets to the machine.

5. An attachment for type-writing machines, comprising supporting-brackets provided with angularly-disposed arms, a paper-carrying roller journaled in one set of said arms, and a transversely-disposed bar connecting the other, a reciprocating blade carried by the bar, springs interposed between the blade and said bar, and means for securing the brackets to the machine.

6. An attachment for type-writing machines, comprising supporting-brackets provided with angularly-disposed arms, a paper-carrying roller journaled in one set of said arms and a transversely-disposed bar having its end portions bent at right angles and provided with slots or recesses connecting the opposite set of arms, a spring-actuated blade or cutter mounted in the slots or recesses, a tension device carried by the brackets, and means for securing the brackets to the machine.

7. An attachment for type-writing machines, comprising supporting-brackets provided with vertically-disposed slots or recesses, a paper-carrying roller journaled in said brackets, a bar mounted above the roller having rearwardly-extending arms provided with outwardly-projecting lugs adapted to engage the slots in the brackets, springs connecting the bar and brackets, a cutting attachment carried by the brackets and means for detachably supporting the brackets on the machine.

8. In a type-writing machine, the combination with the platen, of a pair of supporting-brackets provided with angularly-disposed arms, slots or recesses formed in the brackets

at the intersection of said arms and adapted
to receive the platen, a paper-carrying roller
journaled in one set of said arms, a cutting
attachment secured to the opposite set of arms
5 and arranged in front of the platen, a tension
device carried by the brackets and mounted
above the paper-carrying roller, and means for
securing the brackets to the platen.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 10
the presence of two witnesses.

CHARLES D. WILLIAMS.

Witnesses:

R. ANDERSON,
M. F. HOWARD.