

F. C. MILLER.
TYPE WRITING MACHINE.
APPLICATION FILED MAR. 25, 1911.

1,026,171.

Patented May 14, 1912.

Fig. 1.

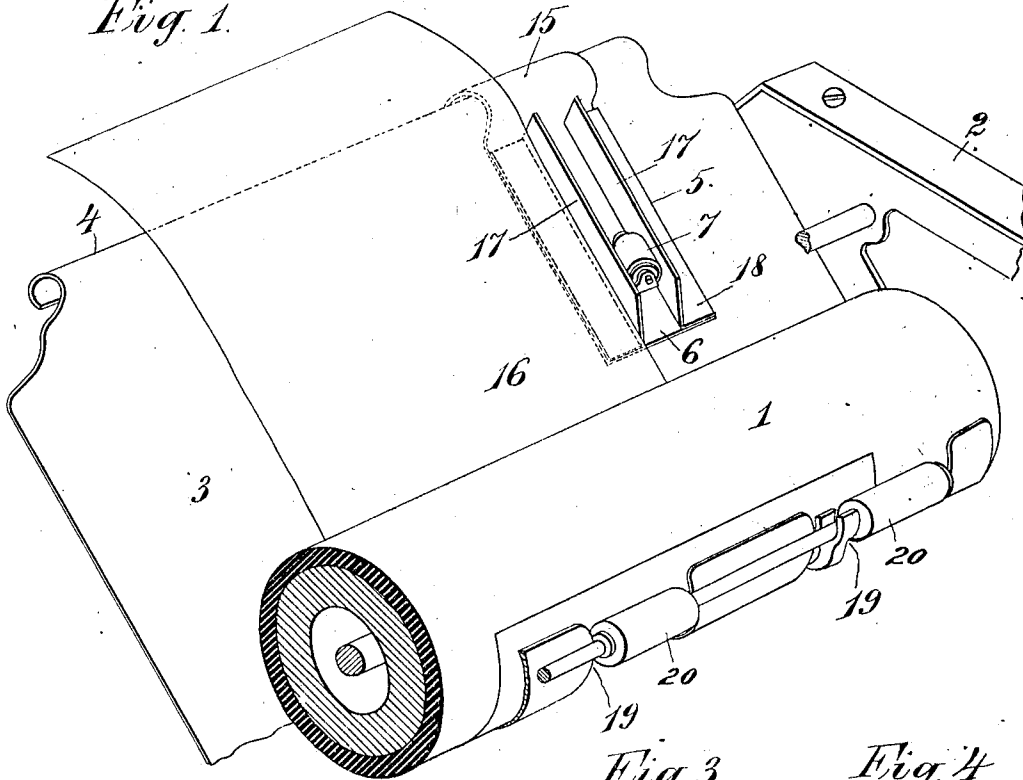


Fig. 3.

Fig. 4.

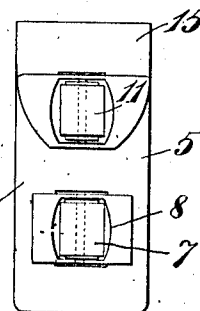
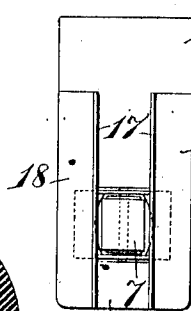
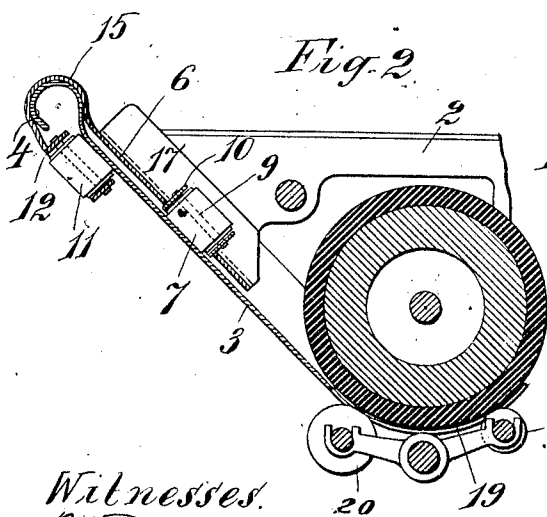
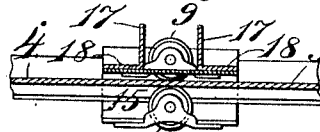


Fig. 5.



Witnesses.
Paul J. J. J.
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Inventor.
Frank C. Miller.
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UNITED STATES PATENT OFFICE.

FRANK C. MILLER, OF SALT LAKE CITY, UTAH, ASSIGNOR TO UNDERWOOD TYPE-WRITER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE.

TYPE-WRITING MACHINE.

1,026,171.

Specification of Letters Patent.

Patented May 14, 1912.

Application filed March 25, 1911. Serial No. 616,916.

To all whom it may concern:

Be it known that I, FRANK C. MILLER, a citizen of the United States, residing in Salt Lake City, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification.

This invention relates to an attachment to be mounted on the paper shelf of a typewriting machine for guiding the side edges of the paper. I have produced a device for this purpose, which is of very simple construction, and is shifted readily along the paper shelf, and is capable of guiding either the right or left edge of the work sheet or card.

In the accompanying drawings, Figure 1 is a perspective of a portion of the platen and platen frame of an Underwood typewriter, illustrating my attachment mounted on the paper shelf. Fig. 2 is a vertical transverse section through the platen, paper shelf and guide. Fig. 3 is a plan of the guide. Fig. 4 is a reverse plan of the guide. Fig. 5 is a section taken longitudinally through the paper shelf and transversely through the lower portion of the guide, looking upwardly.

Adjacent to the platen 1, of the typewriting machine, which is mounted in a platen frame 2, there is provided the usual paper guide 3, the upper edge of which has the usual curved roll 4. My improved guide 5 is slipped on to this paper shelf from the end thereof, and the body of the guide is in the form of a rectangular plate 6, overlying the upper face of the paper shelf. This plate or tablet is held out of contact with the shelf 3 by a forward soft-rubber guide roller 7, which runs or presses upon the upper face of the paper shelf passing through an opening 8 in plate 6. This roller is mounted by a pin 9 in a bracket 10, to run longitudinally of the paper shelf.

A back roller 11, similar to 7, runs on the under or rear face of the shelf 3 near the roll 4, and is mounted in a bracket 12 attached to a hook 13 encircling the roll 4. This hook forms a guide sleeve on the roll 4, and also acts as a bow spring to hold the rollers against the paper shelf.

The gage device may be placed at either end of the paper table 3, as it is equally useful at both ends of said table, being provided with right and left-hand tablet portions or surfaces 18, upon which either the right-hand or the left-hand edge of the work sheet may rest; a gage device 17 intervening between the tablet portions 18. This gage device preferably consists of a pair of gage ears or ledges, between which is located the roller 7; but the gage device does not always need to consist of a pair of ledges, so long as it serves as both left-hand and right hand gage and intervenes between the tablet portions 18; which, by serving as rests for the edges of the work sheets, avoid the liability of the work sheets slipping under the gage when being adjusted thereto. Said gage portions or gages 17 may extend up above the roller 7 to serve as guards therefor.

As illustrated in Fig. 1, the guide is applied to the right end of the paper shelf, but if desired, it can be slid over to the other end, so that the right-hand gage 17 will guide the left edge of the paper or card. When shifting the guide in this way, the gages 17 form handles for the fingers. This device enables the paper to be properly aligned and guided to the under side of the platen and under the guide rollers 20, which run on the lower face of the platen, and rise through slots 19 formed in the curved lower portion of the paper shelf.

Having thus described my invention, I claim:

1. A paper guide attachment for the paper shelf of a typewriting machine, comprising a sleeve fitting upon the upper edge of the paper shelf, a gage, and a guide roller running on the paper shelf, and facilitating the shifting of said guide.

2. A guide for attachment to the paper shelf of a typewriting machine, comprising a body plate lying over the upper face of the paper shelf, a sleeve engaging the upper edge of the paper shelf, a gage for the paper's edge, and a roller running on the face of the paper shelf.

3. A guide for attachment to a paper shelf of a typewriting machine, having a body with a sleeve adapted to engage the upper edge of the shelf, a gage for guiding the

edge of the paper, a roller carried by said body rolling on the upper side of the shelf, and a roller rolling on the under side of the shelf.

- 5 4. A guide for attachment to the paper shelf of a typewriting machine, consisting of a body having two gages mounted there-

upon, a guide roll to run on the upper face of the shelf, and a guide roller to run on the back or under side of the shelf.

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Witnesses:

ETHEL COOMBS,

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