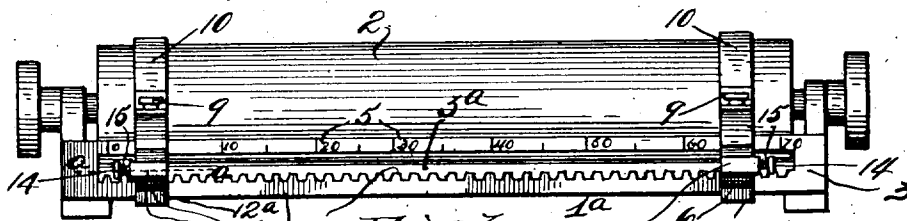
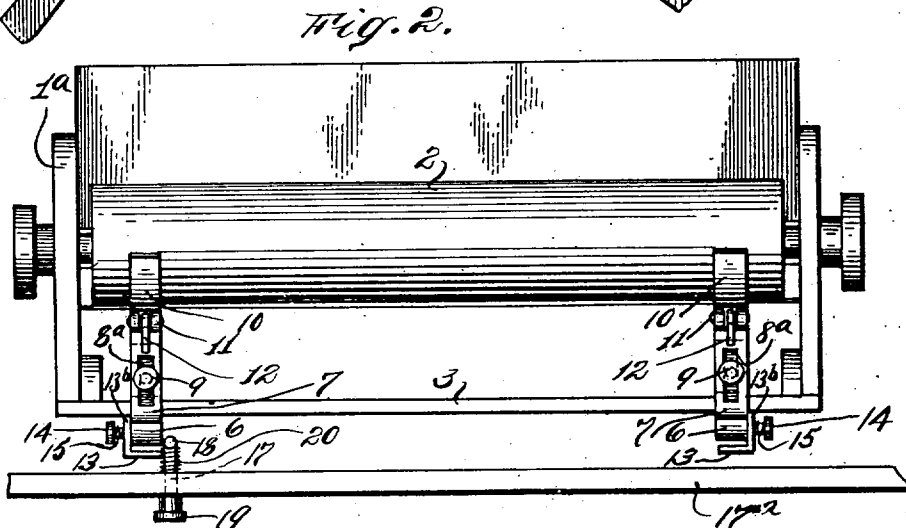
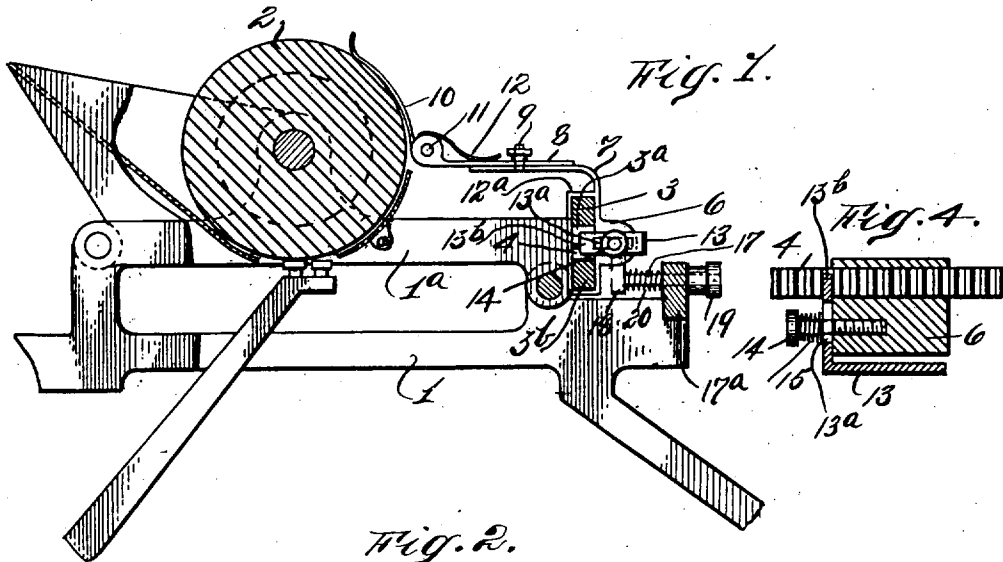


F. ALEXANDER.
TYPE WRITING MACHINE.
APPLICATION FILED JUNE 8, 1908.

956,257.

Patented Apr. 26, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

FREDERICK ALEXANDER, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO WILLIAM F. LASKOWSKI, JR., OF WEST HOBOKEN, NEW JERSEY.

TYPE-WRITING MACHINE.

956,257.

Specification of Letters Patent.

Patented Apr. 26, 1910.

Original application filed March 29, 1909, Serial No. 436,421. Divided and this application filed June 8, 1909. Serial No. 500,885.

To all whom it may concern:

Be it known that I, FREDERICK ALEXANDER, a citizen of the United States, residing at New York city, borough of Brooklyn, county of Kings, State of New York, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a clear, full, and exact description.

The object of this invention is to provide a combined paper clip and marginal stop for typewriting machines, whereby the paper clip is shifted every time a marginal stop is moved to regulate the extent of the writing on a sheet of paper. By shifting the paper clip with the marginal stop the paper is kept in contact with the platen more firmly than if the paper is held against the platen at opposite ends.

Other advantages and details of improvement will hereinafter appear, and the novel features of my invention will be pointed out in the claims, reference being had to the accompanying drawing, forming part hereof, wherein—

Figure 1 is a cross-sectional view of a typewriting machine frame and carriage slidably mounted thereupon, a part of said view being in elevation; Fig. 2 is a top plan view of the carriage and a portion of the front rail of the frame; Fig. 3 is a front end view of the carriage; and Fig. 4 is an enlarged sectional top plan view of the marginal stop and latch carried thereby, the section being taken on a line *a-a* in Fig. 3.

Referring to the drawing, the numeral 1 indicates a frame upon which a carriage 1^a is slidably mounted, said carriage carrying a platen 2 around which the paper passes. The end members of the carriage 1^a are connected, at the front thereof, by a bar 3, which is provided with an elongated opening 3^a. The lower rail 3^b is provided with rack teeth 4, and the top rail with a marginal scale 5. The front bar 3 is designed to slidably support a marginal stop combined with a paper clip, which I will now describe.

My improved marginal stop and paper clip comprises a block 6 which has (in this instance) integral therewith a bracket 7. The bracket 7 slidably supports a plate 8, which is provided with an elongated slot

8^a, through which a binding screw 9 passes in order to secure the plate 8 in an adjusted position. The plate 8 carries a paper clip 10, which is pivotally secured to the said plate, as at 11. A spring 12, carried by the clip 10, exerts a slight pressure and serves to keep the clip in contact with the paper on the platen 2. When the stop or block 6 is shifted, it might be necessary to lift the clip 10 off the paper; hence the pivotal connection 11. As can be seen in Fig. 1, the block 6, has also, in this instance, integral therewith a box-frame 12^a which is adapted to embrace the front bar 3, whereby the block 6 and paper clip are snugly but slidably connected to the said bar 3.

In order to lock the stop 6 and paper-clip 10 in an adjusted position along the rack 4, I provide the stop 6 with a latch 13, having an extension 13^b, which is adapted to engage the teeth of the rack 4, the extension 13^b being provided with an elongated slot 13^a through which a machine screw 14 can pass and engage the block 6 (see Fig. 4). A spring 15 of sufficient pressure serves to hold the latch 13 in an engaged or open position. To stop the carriage at any desired point, I provide a movable pin 17 having an upstanding end 18 adapted to impinge the stop 6. The pin 17 is provided with a head 19, a spring 20 serving to hold the pin in an operative position.

Should I desire to cause the carriage to travel but a short distance, I pull out the latches 13 until the extensions 13^b leave the rack-teeth. I then move the entire stops and clips along the bar 3 and lock them by means of the latches 13 and rack 4 in the desired position, indicated by the scale 5. When the carriage moves during the operation of writing, the extension 18 on the pin 17 will contact the stop 6 on the right in Fig. 2 when the desired extent of travel has been made. When the carriage is returned for a new line, the stop on the left of Fig. 2 will contact the extension 18 of the pin 17. Should I desire to remove the carriage, the pins 17 can be pulled outwardly against the tension of the spring 20 and held out until either of the stops 6 has passed it. The pin 17 is preferably positioned at about the center of the front rail 17^a of the frame. The stop 6 and paper clips may be positioned at any point along the rack 4.

The above described device is a division of an application filed by me March 29, 1909, Serial No. 486,421 for improvements in typewriting machines.

5 Having now described my invention, what I claim and desire to secure by Letters Patent is:

1. In a typewriting machine, a carriage provided with a platen, a rack adjacent said
10 platen, marginal stops slidably mounted adjacent said rack, releasable means carried by said stops adapted to engage said rack and lock said stops against movement, a bracket carried by each of said stops, a plate
15 carried by each of said brackets adapted for longitudinal adjustment thereupon, and a paper clip pivotally mounted on each of said plates adapted to contact with said platen.

2. In a typewriting machine, a carriage
20 provided with a platen, a rack adjacent said

platen, marginal stops slidably mounted adjacent said rack, a releasable latch carried by said stops adapted to engage said rack and lock said stops against movement, a bracket carried by each of said stops, a plate carried by each of said brackets adapted for longitudinal adjustment thereupon, a paper clip pivotally mounted on each of said plates adapted to contact with said platen, and a spring carried by each of said plates adapted to keep the clips carried thereby in contact with the plate.

Signed at New York city, N. Y., on this 7th day of June 1909.

FREDERICK ALEXANDER.

Witnesses:

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EDWARD A. JARVIS.