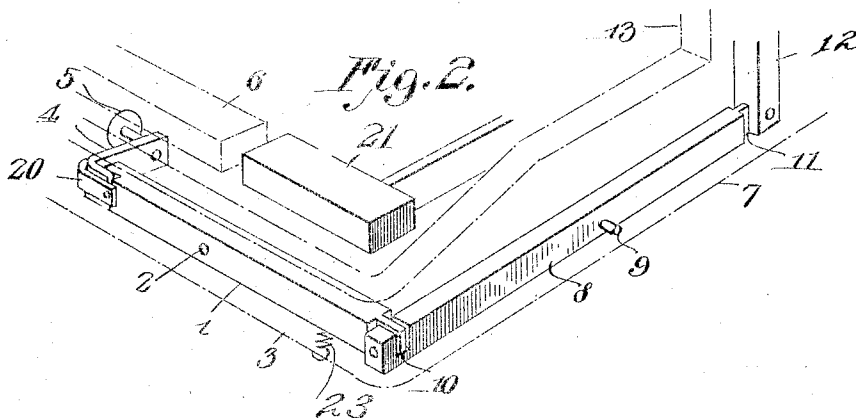
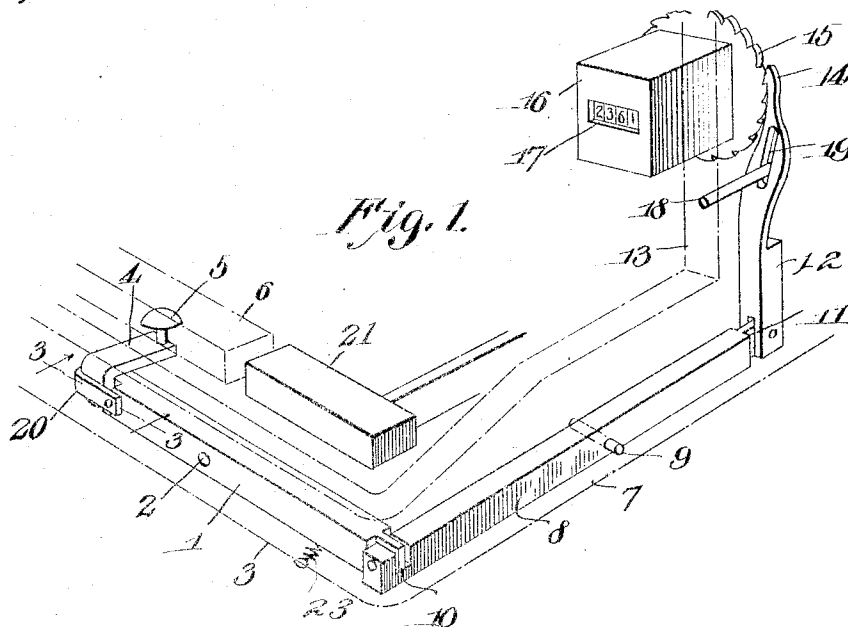


C. C. GRIFFEE.  
TYPE WRITER ATTACHMENT.  
APPLICATION FILED APR. 12, 1910.

981,415.

Patented Jan. 10, 1911.



Witnesses

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# UNITED STATES PATENT OFFICE.

CHARLES C. GRIFFEE, OF BISMARCK, NORTH DAKOTA.

TYPE-WRITER ATTACHMENT.

981,415.

Specification of Letters Patent.

Patented Jan. 10, 1911.

Application filed April 12, 1910. Serial No. 555,121.

To all whom it may concern:

Be it known that I, CHARLES C. GRIFFEE, a citizen of the United States, residing at Bismarck, in the county of Burleigh and State of North Dakota, have invented new and useful Improvements in Type-Writer Attachments, of which the following is a specification.

The invention relates to an improvement in attachments for typewriters, being particularly directed to a registering mechanism whereby, in the usual and ordinary use of the typewriter, the number of words written may be registered and thereby accurately determined.

The main object of the present invention is the provision of a registering device for use on typewriters and including means whereby a register of any usual or preferred type may, when the device has been adjusted for use, be operated at each depression of the usual type space bar, whereby the writing of each word is automatically registered at the completion of said word and in operating the machine to provide the space following such word.

The invention in its preferred details of construction will be described in the following specification, reference being had particularly to the accompanying drawings, in which:—

Figure 1 is a perspective view illustrating the attachment, the typewriter frame being shown in part in dotted outline. Fig. 2 is a similar view of the attachment with the manually operable part adjusted to prevent the use of the attachment in the depression of the space bar. Fig. 3 is a section on line 3—3 of Fig. 2.

Referring particularly to the accompanying drawing, the improved attachment includes a bar 1 pivotally connected at 2 to the forward bar 3 of the typewriter frame. The inner end of the bar 1 or that end of the bar adjacent the central portion of the typewriter frame bar 3 is provided with an upright 4 pivotally connected to the bar 1 and formed on its upper terminal with a cushion head 5. The upright 4 is of such length that when turned up in the position illustrated in Fig. 1, the cushion head will underlie and engage the space bar 6 of the typewriter so that in each depression of said space bar the bar 1 will be turned on its pivot. On one of the side frame bars 7 of

the typewriter is mounted a second bar 8 through the medium of a pivot connection 9. The forward end of the bar 8 is connected at 10 to the outer end of the lever bar 1, while the rear end of the bar 8 is connected at 11 to an upright member 12 movably mounted on one of the upright frame bars 13 of the typewriter. The upper end of the bar 12 is provided with a dog 14 designed in the downward movement of said bar 12 to engage the teeth 15 of the ratchet 16 connected to and operating the dials in the register 17 in any usual or preferred manner.

The upright 12 is guided on a pin 18 projecting from the frame bar 13, and for the reception of said pin is formed with a slot 19 inclined from the vertical, so that in the downward movement of the upright bar 12 the upper end thereof will, under the influence of the pin operating in the slot, be moved toward and into engagement with the teeth of the ratchet, while in the upward movement of said bar 12 the upper end thereof will move away from the teeth of the ratchet. By this construction the ratchet teeth are engaged and the ratchet operated only on the downward movement of the upright bar.

The upright 4 is pivotally connected to the lever bar 1 so that it may be held in operative position or turned down into inoperative position at will. This connection may be made in any usual or preferred manner, as, for example, by providing the bar 1 with a spring arm 20 having an offset or hook portion to engage in rear of the upright 4 when the latter is turned into vertical position, as shown in Fig. 3.

The pivots 2 and 9 may be of any type, preferably such as may be connected in a screw hole formed in the frame, whereby the attachment may be conveniently applied to the typewriter as usually constructed.

The invention also contemplates the provision of an auxiliary space bar, as 21, preferably formed by dividing the usual space bar beyond the contact of the latter with the upright 4. This provides a means whereby to insert a letter or the like, without the necessity of operating the registering attachment.

In use, each depression of the main length of the space bar will actuate the register so that each word or the like printed is regis-

tered and numbered to enable a given amount of copy or the number of words written in a given time to be determined by the operator. When the attachment is not desired for use the upright 4 is turned down so that the usual depression of the space bar will not engage the same. A spring, such as 23, may be used to return the parts to normal position after operation.

10 The invention contemplates the construction of the parts of any material and in any size and shape best suited for the type of machine to which they are to be applied.

Having thus described the invention, what I claim as new, is:—

1. A word registering device for typewriters comprising a lever bar to be engaged and actuated by the space bar of the typewriter, an upright bar arranged for reciprocatory movement and adapted to actuate a register, a connecting bar between the lever bar and upright, and a stem pivotally connected to the lever bar and adapted to be engaged by the space bar of the typewriter, said stem being mounted for movement into a position to be engaged by said spaced bar or

into a position beyond the possibility of such position.

2. A word registering device for typewriters comprising a lever bar to be engaged and actuated by the space bar of the typewriter, an upright bar arranged for reciprocatory movement and adapted to actuate a register, a connecting bar between the lever bar and upright, and a stem pivotally connected to the lever bar and adapted to be engaged by the space bar of the typewriter said stem being mounted for movement into a position to be engaged by said spaced bar or into a position beyond the possibility of such position in combination with the auxiliary space bar for the typewriter mechanism arranged beyond the contact with said stem, whereby to permit the usual spacing operation without affecting the word registering mechanism.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLEY C. GRIFFEE.

Witnesses:

AARON CHRISTOPHER,  
ARTHUR A. BOOTH.