Oct. 21, 1924. 1,512,434

C. H. VEEDER

WORD COUNTER FOR TYPEWRITING MACHINES

Filed Feb. 24, 1923

Fig. 1.

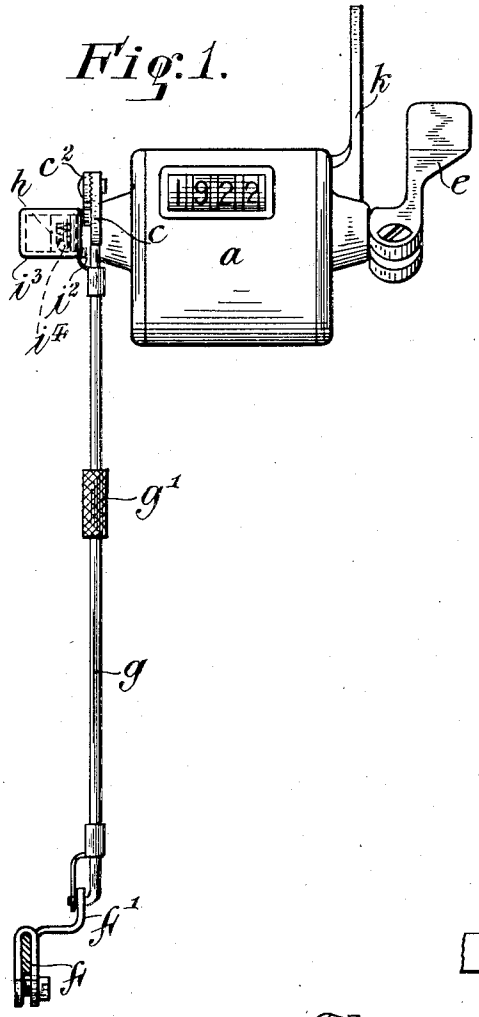


Fig. 2.

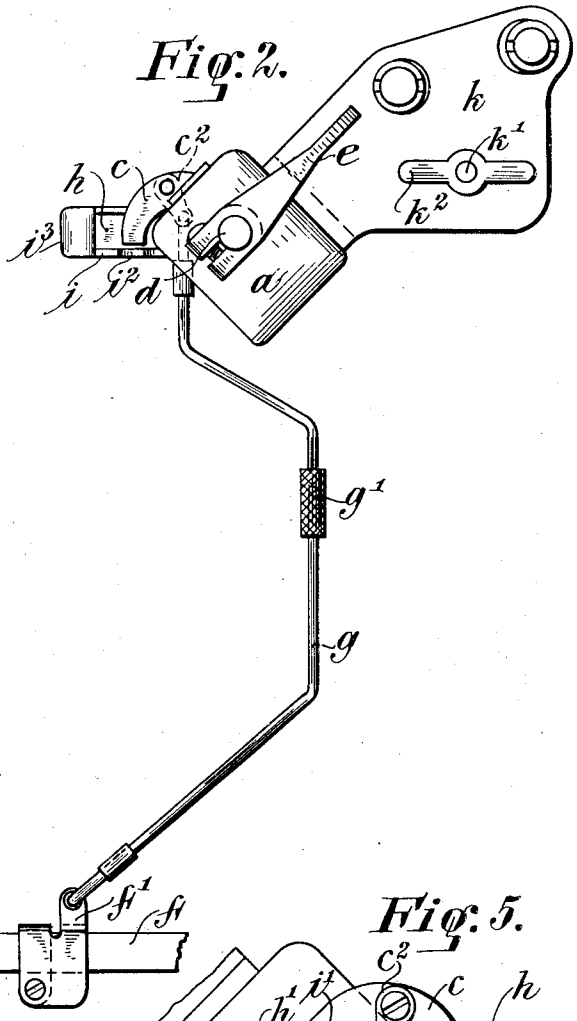


Fig. 3.

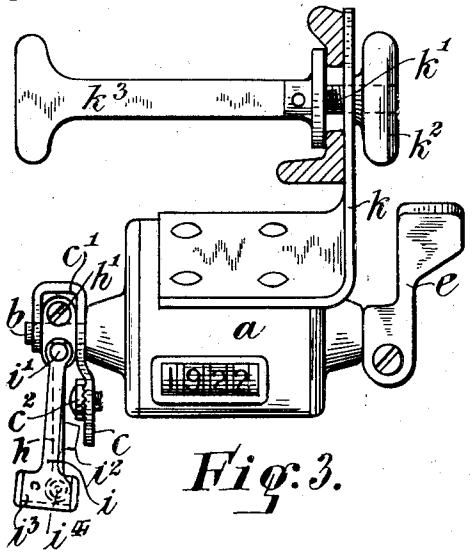


Fig. 5.

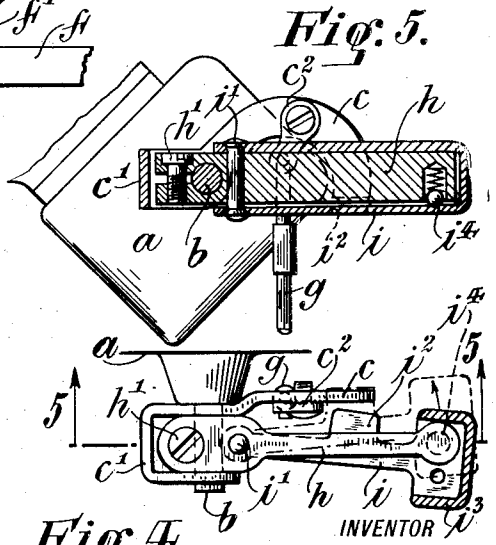


Fig. 4.

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WORD COUNTER FOR TYPEWRITING MACHINES.

Application filed February 24, 1923. Serial No. 620,877.

To all whom it may concern:

Be it known that I, CURTIS HUSSEY VEEDER, a citizen of the United States, residing in Hartford, Connecticut, have invented certain new and useful Improvements in Word Counters for Typewriting Machines, of which the following is a specification, reference being had to the accompanying drawing, forming part hereof.

In the application of Walter S. Lytle for Letters Patent of the United States for improvements in word counters for typewriting machines, filed concurrently herewith, there is shown and intended to be covered as broadly as the state of the art will permit, operating mechanism for a counting machine adapted for use in connection with a typewriting machine, such that the counting machine can be operated normally by the space bar of the typewriting machine, can be disconnected from the space bar so that the space bar can be operated without effecting the counting machine, and, without being disconnected from the space bar, can be operated independently of the space bar, that is, without affecting the space bar, all in accordance with the different conditions of operation imposed by the use of the counting machine in connection with the typewriting machine by telegraphers in transcribing a telegram, in which the words and figures of the address are not to be counted, the successive figures of a number are to be counted although not separated by the operation of a space bar, and the successive words of the message are to be counted by operation of the space bar. The present invention has for its object to provide improved operating mechanism which shall better meet the requirements of use. The invention will be more fully explained hereinafter with reference to the accompanying drawing in which it is illustrated and in which—

Figure 1 is a view in front elevation showing a numbering machine with its supporting bracket and the operating devices therefor, the space bar of the typewriting machine being shown in section.

Figure 2 is a view of the same in elevation as seen from the right hand in Figure 1.

Figure 3 is a top view of the parts shown in Figures 1 and 2, a portion of the frame of the typewriting machine being indicated in section and the space bar being omitted.

Figure 4 is a top view, partly in horizontal section, of the operating devices shown particularly in Figure 3, but on a somewhat larger scale.

Figure 5 is a detail view in section on the plane indicated by the broken line 5—5 of Figure 4.

The counting machine, indicated at *a*, may be of any suitable construction. It is shown as having at one end an operating shaft *b* and at the other end a resetting shaft *d*, provided with the usual finger lever *e*. The operating shaft *b* is assumed to be provided, as usual, with a returning spring, which is not necessary to be shown. Mounted loosely on the extended shaft *b* is an actuating lever *c*, which preferably has a yoke form as at *c'*. This actuating lever *c* receives an adjustable connector c^2 to permit the throw of the lever *c* to be adjusted. A link *g*, preferably made in two parts connected by a turnbuckle *g'*, so as to permit the link to be varied in length as conditions require, is pivotally connected to the actuating lever *c* through the connector c^2 and is also pivotally connected, through a sliding, adjustable clip *f'*, with the space bar *f*. Through this connection the actuating lever *c* is oscillated by every movement of the space bar *f*. Provision is made as hereinafter described for effecting operative connection of the actuating lever *c* and the operating shaft *b* of the numbering machine, the shaft being capable also of oscillation without affecting the actuating lever *c*.

Fixed on the shaft *b*, as by a clamp screw *h'* is an operating lever *h*, to which is pivoted, as at *i'* a latch *i*, which may be box-like to enclose the operating lever *h* and is provided with a tongue i^2 and a finger piece i^3. A spring detent i^4 is also provided to retain the latch *i* in either of its two positions. The latch *i* is capable of being swung from the position shown in Figure 3 and in full lines in Figure 4 into a position of operative relation with the actuating lever *c*, as indicated by broken lines in Figure 4, that is, with the tongue i^2 in the path of movement of the actuating lever *c*. In such position of operative relation, with the tongue i^2 underlying the actuating lever *c*,

movement of the actuating lever by operation of the space bar f, through the link g will effect movement of the operating lever h and therefore of the operating shaft b of the numbering machine. At the same time, through application of the operator's finger, with downward pressure, to the finger piece i^3 of the latch i, the numbering machine can be operated without movement of the space bar. Furthermore, if it is desired to prevent operation of the numbering machine by movement of the space bar, the latch i is moved to the left hand, in Figures 1 and 3, by lateral pressure of the operator's finger, thereby preventing movement of the operating lever h by movement of the actuating lever c.

The numbering machine a can be secured to the frame of the typewriting machine in any convenient manner. As shown it is fixed to a bracket k, which can be secured to the frame of the typewriting machine by a flanged bolt k' provided with a thumb nut k^2 and a handle k^3.

It will be observed that the entire shifting device, by which operative engagement of the actuating lever with the numbering machine is effected, is self-contained in the operating lever and that the construction of the operating devices is so designed as to answer satisfactorily the requirements of the particular use referred to.

I claim as my invention:

1. A word counting mechanism for typewriting machines, comprising a counting machine, an actuating lever mounted loosely on the shaft thereof, an operating lever fixed on the shaft thereof, and means for effecting operative engagement of the actuating lever and the operating lever.

2. A word counting mechanism for typewriting machines, comprising a counting machine, an actuating lever mounted loosely on the shaft thereof, an operating lever fixed on the shaft thereof, and a latch lever pivoted on the operating lever and movable to effect operative engagement of the actuating lever and the operating lever.

3. A word counting mechanism for typewriting machines, comprising a counting machine, an actuating lever mounted loosely on the shaft thereof, an operating lever fixed on the shaft thereof, a latch lever pivoted on the operating lever and movable to effect operative engagement of the actuating lever and the operating lever, and a detent to retain the latch lever in position with relation to the operating lever.

4. A word counting mechanism for typewriting machines, comprising a counting machine, an actuating lever mounted loosely on the shaft thereof, an adjustable connector on the actuating lever, a link pivotally engaged with said connector and adapted for operative connection with a moving part of the typewriting machine, an operating lever fixed on the shaft of the counting machine, and means for effecting operative engagement of the actuating lever and the operating lever.

This specification signed this 20 day of February A. D. 1923.

CURTIS HUSSEY VEEDER.