E. M. WILEY.

TYPE WRITER HALF SPACING KEY.

APPLICATION FILED FEB. 16, 1916.

1,183,056.

Patented May 16, 1916.

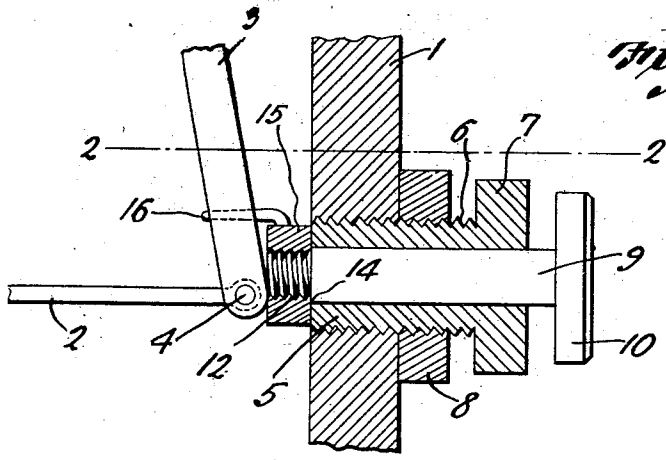


Fig. 1.

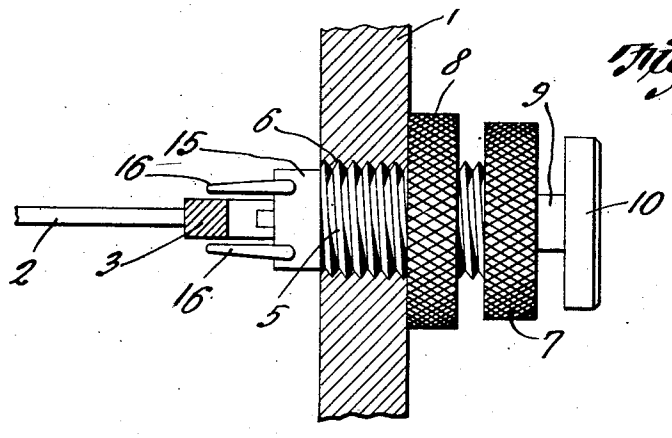


Fig. 2.

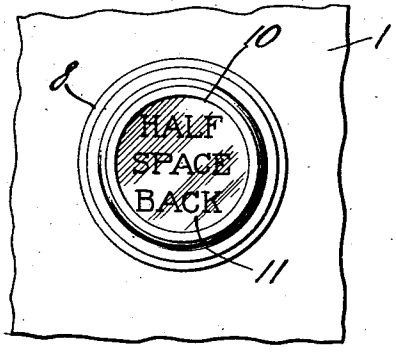


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

EDWARD M. WILEY, OF ADAMS, INDIANA.

TYPE-WRITER HALF-SPACING KEY.

1,183,056. Specification of Letters Patent. Patented May 16, 1916.

Application filed February 16, 1916. Serial No. 78,678.

To all whom it may concern:

Be it known that I, EDWARD M. WILEY, a citizen of the United States, residing at Adams, in the county of Decatur and State of Indiana, have invented a new and useful Type-Writer Half-Spacing Key, of which the following is a specification.

It is the object of the present invention to provide a novel means whereby, in a typewriter, a back spacing may be brought about by half-step intervals.

With the above and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawing:—Figure 1 is a section showing the device forming the subject matter of this application assembled with a typewriter frame, parts appearing in elevation; Fig. 2 is a section taken approximately along the line 2—2 of Fig. 1, parts appearing in elevation; Fig. 3 is an elevation looking toward the end of the plunger whereby the half-interval back spacing is brought about.

In the drawings, the numeral 1 indicates a portion of the frame of the typewriter.

The numeral 2 indicates a part of any suitable means whereby a full interval back spacing is brought about.

The numeral 3 designates a part of an actuating mechanism for the means 2, the actuating mechanism, in the present instance but not necessarily being shown in the form of a lever pivoted at 4 to the member 2, which may be a rod. The mechanism above described may be varied greatly without jeopardizing the utility of the invention and, in practice, it will vary, depending upon the nature of the typewriter wherewith the device forming the subject matter of this application is employed.

In the present embodiment of the invention, a sleeve 5 is threaded as shown at 6 into the frame 1 and terminates in a milled turning head 7 whereby the sleeve may be rotated to adjust it longitudinally. A lock nut 8 is threaded onto the sleeve 5 and coacts with the frame 1.

Mounted for right line movement in the sleeve 5 is a plunger 9 provided at its outer end with a button 10 carrying an inscription 11 indicating the purpose of the button. At its inner end, the plunger 9 terminates in a reduced stem 12 defining a shoulder 14. A nut 15 is threaded onto the stem 12 and engages the shoulder 14, the nut being provided with fingers 16 located on opposite sides of the actuating member 3.

By rotating the threaded sleeve 5, the same will be adjusted endwise, thereby to position the inner end of the plunger 9 properly with respect to the parts 2 and 3. The sleeve 5 then may be held in its adjusted position by tightening up the lock nut 8 until the same bears against the frame 1. The distance between the head 7 on the sleeve 5 and the button 10 on the plunger 9 represents a half-space. Consequently, if the plunger 9 be pushed inwardly until the plunger 9 strikes against the head 7, the inner end of the plunger, engaging the parts 2 and 3, or one of them, will move the part 2 to a half space, thereby permitting a back spacing of the amount indicated. The fingers 16, being engaged on opposite sides of the part 3, prevent the button 10 from rotating, and consequently the inscription 11 always stands in the position shown in Fig. 3, so that it can be read.

Having thus described the invention, what is claimed is:—

1. In a typewriter, a frame; a full interval back-spacing part located adjacent the frame; a sleeve longitudinally adjustable in the frame toward and away from said part; a plunger mounted for right line reciprocation in the sleeve and coacting with the back-spacing part to actuate the same, the plunger having a head coacting with the sleeve to limit the movement of the plunger toward said part; and means for holding the sleeve in adjusted positions with respect to said part.

2. In a typewriter, a frame; a full interval back-spacing part located adjacent the frame; a sleeve threaded into the frame and provided with a turning head; a plunger slidable in the sleeve and coacting with the back-spacing part to actuate the same; and a head on the outer end of the plunger, the head on the plunger coacting with the head on the sleeve to limit the movement of the plunger to a half interval.

3. In a typewriter, a frame; a full interval back-spacing part located adjacent the

frame; a sleeve threaded into the frame; a lock nut on the sleeve and engaging the frame; and a plunger slidable in the sleeve and adapted to coact with the back-spacing part to actuate the same; and a head on the outer end of the plunger and coacting with the outer end of the sleeve to limit the movement of the plunger to a half interval.

4. In a typewriter, a frame; a full interval back-spacing part located adjacent the frame; an inscription-carrying plunger mounted for right line reciprocation in the frame and of circular cross section, the inner end of the plunger coacting with the back-spacing part; means for limiting the inward movement of the plunger to a half interval; and an eccentrically disposed finger on the inner end of the plunger and coacting with the back-spacing mechanism to prevent a rotation of the inscription-carrying plunger.

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

EDWARD M. WILEY.

Witnesses:

LOREN M. MEEK,

MABEL I. BARNES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."