

No. 775,140.

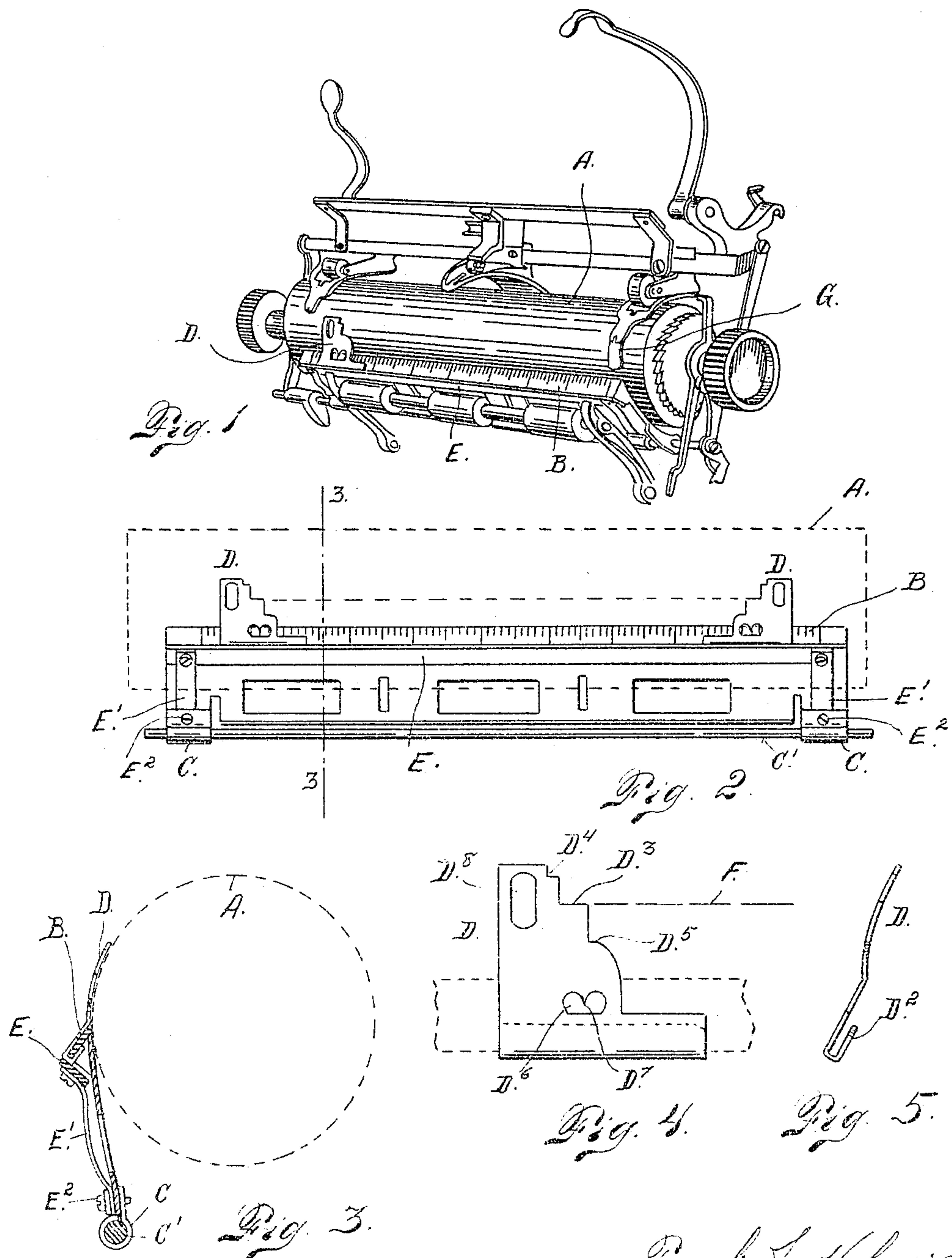
PATENTED NOV. 15, 1904.

F. J. HOHNER.

# LINE GAGE FOR TYPE WRITING MACHINES.

APPLICATION FILED MAY 6, 1904.

NO MODEL.



Frank J. Hohner.  
Inventor

By *W. B. Mc*  
Attorney

Witnesses  
Otto E. Hoddick.  
Dena Nelson.

## UNITED STATES PATENT OFFICE.

FRANK J. HOHNER, OF DENVER, COLORADO.

## LINE-GAGE FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 775,140, dated November 15, 1904.

Application filed May 6, 1904. Serial No. 206,756. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK J. HOHNER, a citizen of the United States of America, residing in the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in Line-Gages for Type-Writing Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to a line-gage for type-writing machines.

My improved device also performs the function of a paper-guide, and is especially adapted for use in connection with the Remington type-writer.

My improved line-gage is mounted on the cylinder-scale and is held in position by a spring-held plate mounted on the cylinder-scale hinge. The line-gage slides freely on the cylinder-scale and is provided with an offset in line with the base-line of the letters written by the machine. Hence if it is desired to write upon any given line it is only necessary to adjust the paper to bring the line upon which it is required to write into line with this offset of the line-gage. The operator will then know that this line will form the base-line of the letters written by the machine.

The line-gage is also provided with other offsets to aid the operator in properly spacing the lines and also to aid him in writing lines as closely together as possible. These auxiliary offsets, though of considerable importance, are of a minor nature, the main offset of the gage being the important feature.

The gage is also provided with a slot of sufficient size to disclose a letter to facilitate erasing. The ordinary paper-guide pieces of the machine may be dispensed with if two of my improved line-gages are employed. If only one line-gage is employed, one paper-guide piece may be dispensed with.

Having briefly outlined my improved construction, as well as the function it is intended to perform, I will proceed to describe the

same in detail, reference being made to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a perspective view of the platen and its attachments, showing my improvements in place, the platen being thrown to a position to disclose the cylinder-scale. Fig. 2 is a detail view of my improvements, shown in connection with the cylinder-scale and its hinge-rod, the position of the platen being indicated by dotted lines. Fig. 3 is a section taken on the line 3-3, Fig. 2. Fig. 4 is a front detail view of my improved line-gage. Fig. 5 is a side or edge view of the same.

The same reference characters indicate the same parts in all the views.

Let A designate the platen of the machine; B, the cylinder-scale; C, the cylinder-scale hinge, and C' the cylinder-scale hinge-rod.

The line-gage D consists of a thin piece of metal whose upper portion D' is curved to conform to the curve of the platen, and whose lower extremity is provided with a hook D<sup>2</sup>, which engages the cylinder-scale, whereby the line-gage is adapted to slide freely thereon. This line-gage is securely held in place upon the cylinder-scale by a narrow plate E, which engages the hooked extremity of the line-gage and prevents the latter from slipping from the cylinder-scale. This plate E is supported by two leaf-springs E', whose lower extremities are secured to the cylinder-scale hinge C by means of a screw E<sup>2</sup>. The tension of the springs E' is such as to hold the line-gage securely in place, but at the same time permits it to slide freely on the cylinder-scale.

My improved line-gage is widest at the bottom or the hook extremity in order to give it a suitable bearing on the cylinder-scale. The curved part D' of the gage is provided with an offset D<sup>3</sup>. This line-gage is so mounted on the cylinder-scale that the letters written by the machine will be in line with the lower or horizontal part of this offset, referring to Fig 4 of the drawings. Hence if it is desired to write on any particular line the paper is adjusted to bring that line into position with the line D<sup>3</sup> of the line-gage. This gage is



also provided with an offset  $D^4$  above the offset  $D^3$  and an offset  $D^5$  below the offset  $D^3$ . Now, assuming that a line has been written on the broken line  $F$ , (see Fig. 4,) if it is desired to write a line or a word on a line above the line  $F$  and the ordinary single-space distance therefrom the paper will be adjusted to bring the line  $F$  into line with the horizontal shoulder of the offset  $D^5$ . If it is desired to write below the line  $F$  and as closely thereto as possible, the paper will be adjusted to bring the line  $F$  into line with the horizontal part of the offset  $D^4$ . These offsets are so arranged that the operator may be sure that when the aforesaid adjustment of the paper is made he will get the results stated.

The line-gage is also provided with an opening  $D^6$  immediately above the hook  $D^2$ , through which the graduated marks on the cylinder-scale are visible. When it is desired to begin writing at a certain point of the cylinder-scale, the line-gage is adjusted to bring the pointer  $D^7$  into line with this point.

The line-gage is further provided with an erasing-slot  $D^8$ , which extends above and below the base-line  $F$ , thus permitting the operator to erase a letter without interfering with the adjacent letters, assuming that the line-gage is adjusted to disclose the letter which it is desired to erase.

In Fig. 1 of the drawings one line-gage only is shown—namely, mounted on the left-hand extremity of the cylinder-scale. In this view one of the paper-guide pieces  $G$  is shown in place, while the other paper-guide piece is removed to make room for the line-gage.

In Fig. 2 of the drawings two line-gages are employed, and when this is the case the paper-guide pieces  $G$  may be dispensed with altogether.

Having thus described my invention, what I claim is—

1. The combination with the cylinder-scale of a type-writing machine, of a line-gage provided with a plurality of offsets, one being positioned to indicate the base-line and the others being located respectively above and below the first-named offset.

2. The combination with the cylinder-scale of a type-writing machine, of a line-gage slidably mounted thereon and provided with a plurality of offsets located in different horizontal planes for the purpose set forth.

3. The combination with the cylinder-scale of a type-writing machine, of a line-gage slidably mounted thereon and provided with an opening in line with the graduations of the cylinder-scale, the gage having a plurality of offsets located in different horizontal planes, and a pointer to facilitate the proper adjustment of the gage.

4. The combination with the cylinder-scale of a type-writing machine, of a line-gage slidably mounted thereon, and a spring-held plate for holding the line-gage in place.

5. The combination with the cylinder-scale of a type-writing machine, of a line-gage provided with a hook at one extremity adapted to engage the cylinder-scale and permit the gage to slide freely on the said scale, the said gage having a plurality of offsets located in different horizontal planes.

6. The combination with the cylinder-scale of a type-writing machine, of a line-gage having a hook-shaped part engaging the cylinder-scale, and a spring-held plate engaging the hook-shaped part of the line-gage for holding the latter in place.

7. The combination with the cylinder-scale of a type-writing machine, and the cylinder-scale hinge, of a line-gage having a hook-shaped part engaging the scale, a plate engaging the hook-shaped part of the scale and springs upon which the plate is mounted, the extremities of the springs remote from the plate being secured to the cylinder-scale hinge.

8. The combination with the cylinder-scale of a type-writing machine, of a line-gage and paper-guide slidably mounted thereon, and a spring-held plate engaging the line-gage and paper-guide to hold the latter in place.

9. The combination with the cylinder-scale of a type-writing machine, of a plurality of line-guides slidably mounted thereon and a spring-held plate for holding the said guides in place, each line-gage having a plurality of offsets occupying different horizontal planes, the line-gages also performing the function of paper-guides.

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

FRANK J. HOHNER.

Witnesses:

DENA NELSON,  
GRACE L. WHITAKER.