J. J. SNYDER.

LINE FINDER FOR TYPE WRITERS.

APPLICATION FILED OCT. 11, 1915.

1,218,709.

Patented Mar. 13, 1917.

Fig. 1.

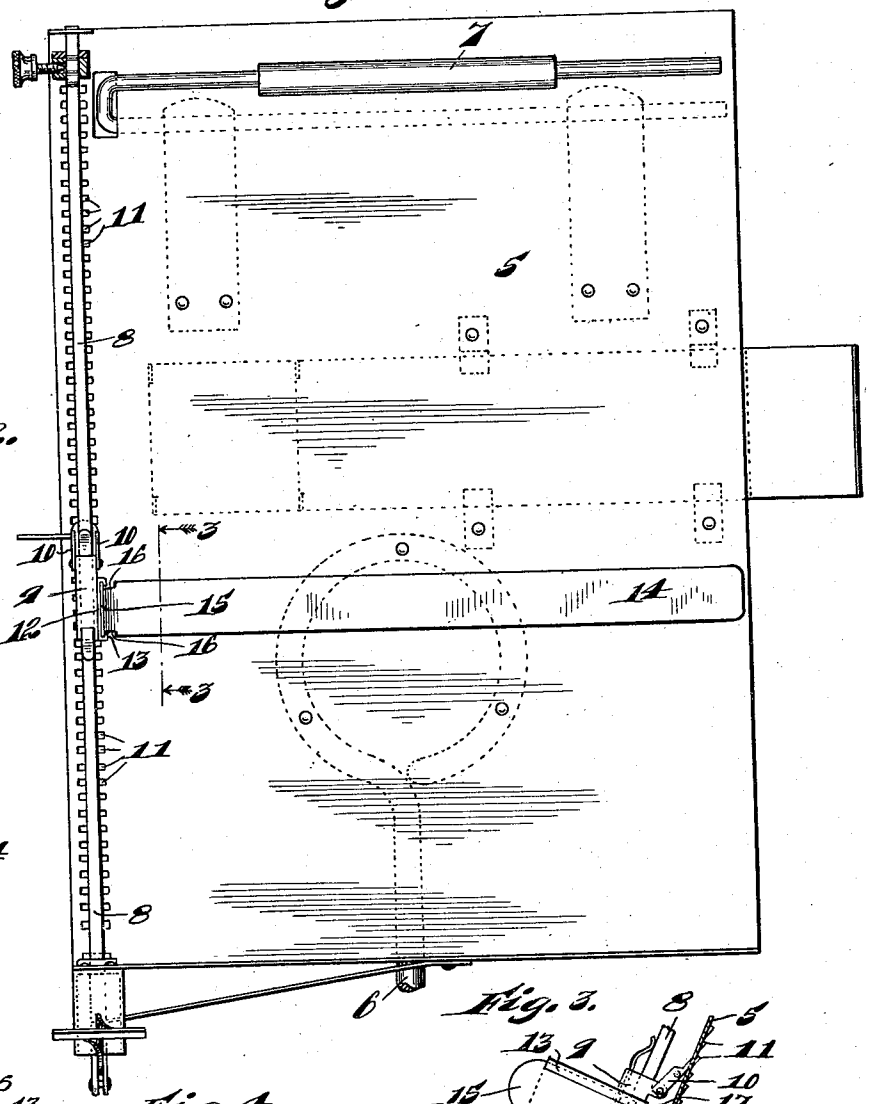


Fig. 2.

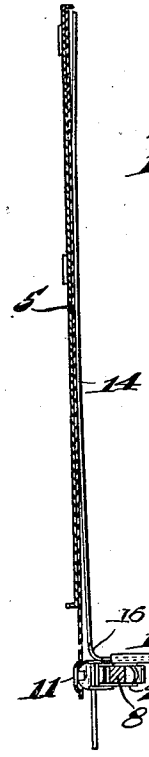


Fig. 4.

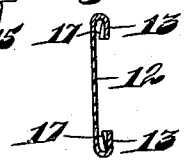
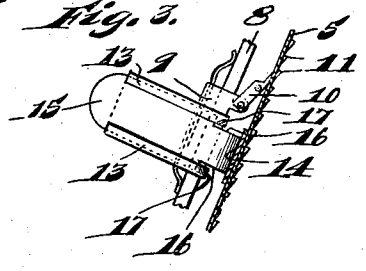


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN J. SNYDER, OF CHICAGO, ILLINOIS, ASSIGNOR TO HELEN ROYER, OF CHICAGO, ILLINOIS.

LINE-FINDER FOR TYPE-WRITERS.

1,218,709. Specification of Letters Patent. Patented Mar. 13, 1917.

Original application filed July 30, 1914, Serial No. 854,010. Divided and this application filed October 11, 1915. Serial No. 55,171.

To all whom it may concern:

Be it known that I, JOHN J. SNYDER, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Line-Finders for Type-Writers, of which the following is a specification.

My invention relates to improvements in line finders for typewriters and the like, and more especially to the mounting of a finding arm thereon, the object of the invention being to provide a simple and efficient construction of this character which is capable of economical manufacture, the present application being a division of my prior application for improvements in line finders for typewriters, filed July 30, 1914, Serial No. 854,010.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing forming a part of this specification, and in which,

Figure 1 is a face view of a construction embodying my invention,

Fig. 2, a horizontal section of the same,

Fig. 3, a section taken on line 3—3 of Fig. 1, and

Fig. 4, a detail section of a guide plate employed in the construction.

The preferred form of construction, as illustrated in the drawing comprises a copy-holding plate 5 formed of sheet metal and mounted on a suitable stand or pedestal 6, said plate being provided with a holding arm 7 adapted to hold copy thereon. A guide 8 is slidably mounted over the left hand edge of plate 5, said guide being mounted to reciprocate and provided with suitable means for reciprocating the same. A slide 9 is slidably mounted on guide 8 and is provided with a pawl 10 coöperating with teeth 11 formed in plate 5 under guide 8, the arrangement being such that at each reciprocation of guide 8 the slide 9 is properly fed downwardly over plate 5, said construction being fully set forth and described in my said prior application and constituting the subject matter thereof.

A guide plate 12 is arranged on the inner side of slide 9 and projects perpendicularly to the face of plate 5, said guide plate being provided on its edges with guide flanges 13, as shown. A line-finding arm 14 is provided with an angularly turned end 15 slidable in guide flanges 13, there being notches 16 provided at the bend in arm 14 to accommodate flanges 13 to permit of the ready insertion or withdrawal of arm 14. Inwardly struck beads 17 are formed at the inner ends of flanges 13 in position to engage the outer edges of notches 16 and limit the inward movement of arm 14. By this arrangement, it will be observed, that arm 14 may be readily adjusted toward and away from plate 5 so as to accommodate different thicknesses of manuscript.

The specific construction disclosed constitutes a simple and efficient one for the purpose, and one which is capable of economical manufacture.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. A line finder comprising a copy holding plate; a slide coöperating therewith; a guide plate on said slide provided with flanges at its edges; and a finding arm traversing said plate and provided with an angularly turned end slidable in said guide flanges, there being notches in the sides of said finding arm at the bend therein adapted to accommodate said flanges, substantially as described.

2. A line finder comprising a copy holding plate; a slide coöperating therewith; a guide plate on said slide provided with flanges at its edges; a finding arm traversing said plate and provided with an angularly turned end slidable in said guide flanges, there being notches in the sides of

said finding arm at the bend therein adapted to accommodate said flanges; and beads at the inner ends of said flanges arranged to limit inward movement of said arm, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN J. SNYDER.

Witnesses:
LLOYD G. LYNN,
WM. R. GILCHRIST.

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