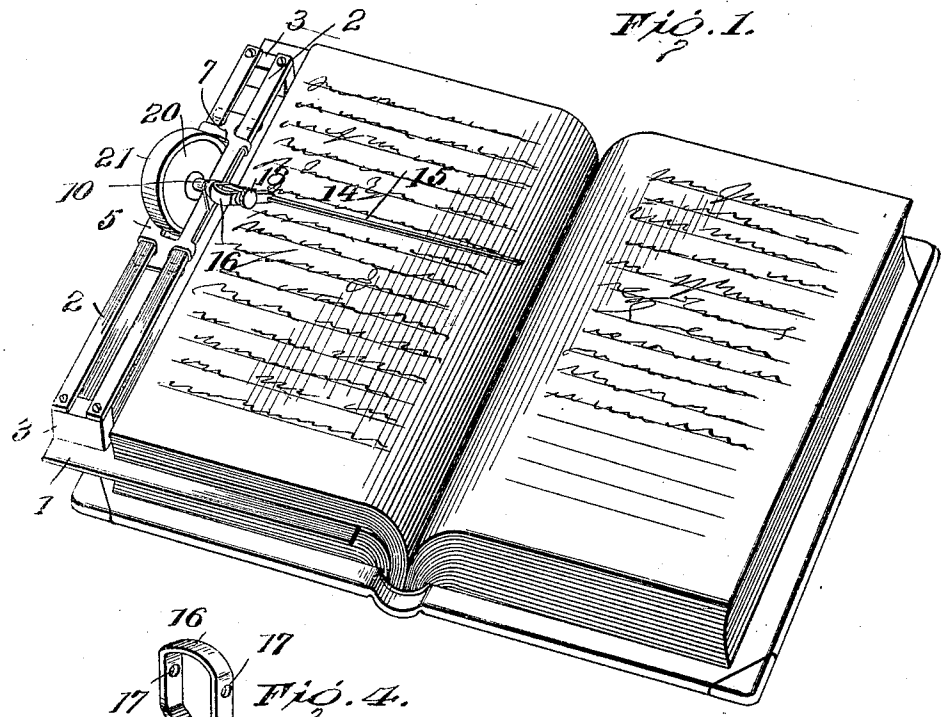
No. 807,095. PATENTED DEC. 12, 1905.

S. A. SMITH.

COPYING GUIDE.

APPLICATION FILED DEC. 27, 1904.

Fig. 1.



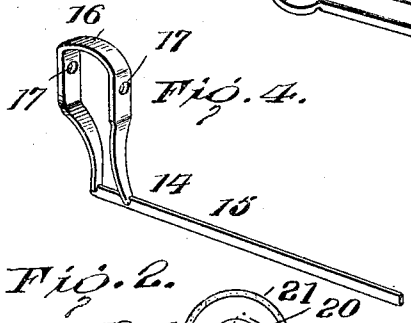


Fig. 4.

Fig. 5.

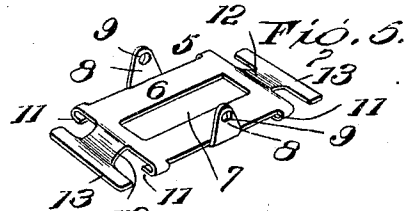
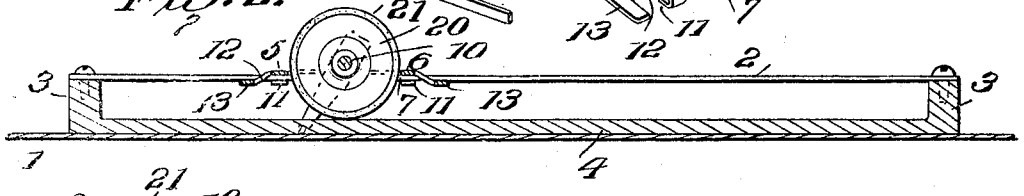


Fig. 2.



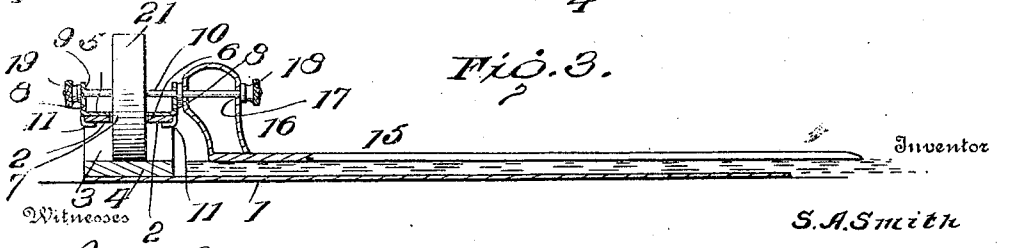


Fig. 3.

Witnesses

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SEABORN A. SMITH, OF MEMPHIS, TENNESSEE, ASSIGNOR OF ONE-HALF TO JOHN P. BULLINGTON, OF MEMPHIS, TENNESSEE.

COPYING-GUIDE.

No. 807,095. Specification of Letters Patent. Patented Dec. 12, 1905.

Application filed December 27, 1904. Serial No. 238,545.

To all whom it may concern:

Be it known that I, SEABORN A. SMITH, a citizen of the United States, and a resident of Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Copying-Guides, of which the following is a specification.

My invention relates to certain new and useful improvements in copying-guides; and the object of my invention is to provide a guide which has a wide range of uses and one which can be readily and accurately moved from line to line down a page. My guide is also constructed so that it may be placed in either side of a book or paper and is reversible. At the same time the pointer or finger is held down in contact with the page of copy or the like, whereby there is less difficulty in following the same than is the case where the finger is out of contact with the page.

With these and other objects in view my invention consists in certain combinations and arrangements of parts, the preferred form of which I will first describe for the sake of illustrating my invention, and then I will point out my invention in the claims.

Referring to the accompanying drawings, wherein I show the preferred form of my invention and wherein the same reference-numeral is used to designate the same part wherever it occurs, Figure 1 is a perspective view showing the preferred form of my invention in use in connection with a book. Fig. 2 is a longitudinal section of my device, showing how the parts are mounted. Fig. 3 is a cross-section taken just behind the roller. Fig. 4 is a perspective view of the finger. Fig. 5 is a perspective view of the guide.

1 designates a suitable plate of any desired shape or size and made of any suitable material. Mounted on this plate is a means for supporting the finger, and in the form of my invention shown this consists of a pair of tracks 2, supported at their ends by the blocks 3. As shown, these blocks are connected together by plate 4, on which the feed-roller, to be hereinafter described, travels, the plate 4 being secured to the plate 1 in a suitable manner. It is of course evident that these blocks 3 could be secured directly to the plate 1 and that the plate 4 could be omitted, in which case the roller would run on the plate 1. Mounted to slide on the tracks 2 is the plate 5. (Shown in detail in Fig. 5.) As best seen in this figure, this plate is composed of the body portion 6, centrally of which is cut the opening 7. Centrally of the body portion, at each side thereof, is an upturned lug 8, near the upper end of each of the lugs being provided a hole 9, which forms bearings for the shaft 10. In the side of the body portion 6, near each end, I preferably provide the downwardly and inwardly turned flanges 11, which are adapted to engage the tracks 2. In order to prevent the plate 5 from moving too freely on the tracks to prevent the guide-finger from being accidentally moved, I provide at each end of the body portion 6 the downwardly-inclined projections 12, which are substantially as wide as the distance between the tracks. At the end of each projection 12 are the lateral extensions 13, the ends of which are adapted to bear against the under sides of the tracks 2. As I prefer to make the plate 5 of sheet metal, such as steel or brass, it is evident that the projections or necks 12 may be caused to hold the extensions 13 against the tracks under spring tension, and the amount of spring-pressure with which the tracks are gripped between the extensions 13 and the body portion 6 will determine the force necessary to slide the plate 5 on the tracks. The shaft 10, as is best shown in Fig. 3, extends over the plate 1 for some distance, and on the extended end of this shaft is mounted the guide-finger 14. This finger may be of any desired shape, and, as shown, consists of the bar 15, to one end of which is secured the yoke 16, the sides of the yoke being drilled at 17 for the shaft 10 to pass through. Preferably the distance from the pivotal holes 17 to the lower edge of the bar 15 is greater than the distance from the shaft 10 to the surface of the plate 1. Consequently when the finger is mounted on the shaft with the lower edge of the bar 15 resting against the plate the yoke will stand at an angle, as is best shown in Fig. 2.

18 is a nut by which the finger is held on the shaft, and 19 is a second nut, by which the other end of the shaft is held in the opening 9 in the lug 8. By securing the finger to the shaft in the manner shown it will be observed that fingers of different lengths may be used, the fingers being readily changed by merely removing the nut 18, which allows the finger to be slipped off the shaft.

20 is a roller mounted on the shaft 10 be-

tween the lugs 8 and extending through the opening 7 into contact with the plate 4, or the plate 1 if the plate 4 is omitted. Preferably and as shown this roller is provided with a tread 21 of rubber or the like in order to better engage the surface on which it bears.

When the parts are assembled in the manner shown, the operation of my device is manifest. The finger being pivoted on the shaft, it can be turned so that the bar 15 will be at either side of the shaft. The finger should be turned so that as it is drawn down it will slip freely over the page. It will also be evident that the bar 15 will always be in contact with the top of the matter on the plate 1, irrespective of whether the matter is thick or thin. It is also evident that because of the manner in which the finger is mounted the guide can be placed in either side of a book or the like. It is also evident that, if desired, a suitable clip could be mounted on the plate 1 or the plate placed upon a copy-holder having a clip and manuscript be held at any desired angle. The roller 20 affords a ready and simple means for accurately moving the finger from one line to the next and by its tread insures the movement of the finger upon the turning of the roller.

While I have described what I believe to be the preferred form of my invention, I desire to have it understood that many changes may be made in the form, construction, and arrangement of parts without departing from the spirit of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a copying-guide, the combination with a plate, a track supported on the plate, a guide movably mounted on the track, a roller supported by the guide in contact with the plate, and a finger also supported by the guide, whereby the finger may be moved upon the rotation of the roller.

2. In a copying-guide, the combination with a plate, a pair of tracks spaced apart and supported on the plate, a guide supported on the tracks, a roller carried by the guide extending through the guide and between the tracks into contact with the plate and a finger carried by the guide, whereby the finger may be moved upon the rotation of the roller.

3. In a copying-guide, the combination with a plate, of supporting means movably mounted on the plate, and a removable guide-finger provided with a lateral projection pivotally supported by said means, whereby guide-fingers of different lengths may be used.

4. In a copying-guide, the combination with a plate, of a track composed of two bars spaced apart mounted on the plate, a guide movably mounted on the track, a spring-tongue provided with projections carried by the guide, the tongue extending between the bars of the track with the projections in engagement with the track to act as a brake on the movement of the guide, and a finger carried by the guide.

5. In a copying-guide, the combination with a plate, a track supported on the plate, a guide movably mounted on the track, a shaft carried by the guide. a finger, a lateral extension on the finger by which the finger is pivoted on the shaft and means carried by the shaft for clamping the lateral projection in position on the shaft, whereby the finger may be held in positions of different adjustment.

6. In a copying-guide, the combination with a plate, a track supported on the plate, a guide movably mounted on the track, a shaft mounted in the guide, a roller mounted on the shaft in contact with the plate and a finger also mounted on the guide, whereby the finger may be moved upon the rotation of the roller.

7. In a copying-guide, the combination with a plate, a track supported on the plate, a guide movably mounted on the track, a shaft mounted in the guide, a roller mounted on the shaft in contact with the plate, and a finger provided with a lateral extension, said finger being mounted on the shaft by the shaft passing through the lateral extension.

SEABORN A. SMITH.

Witnesses:
JAS. L. MCREE,
H. D. BYROM.