

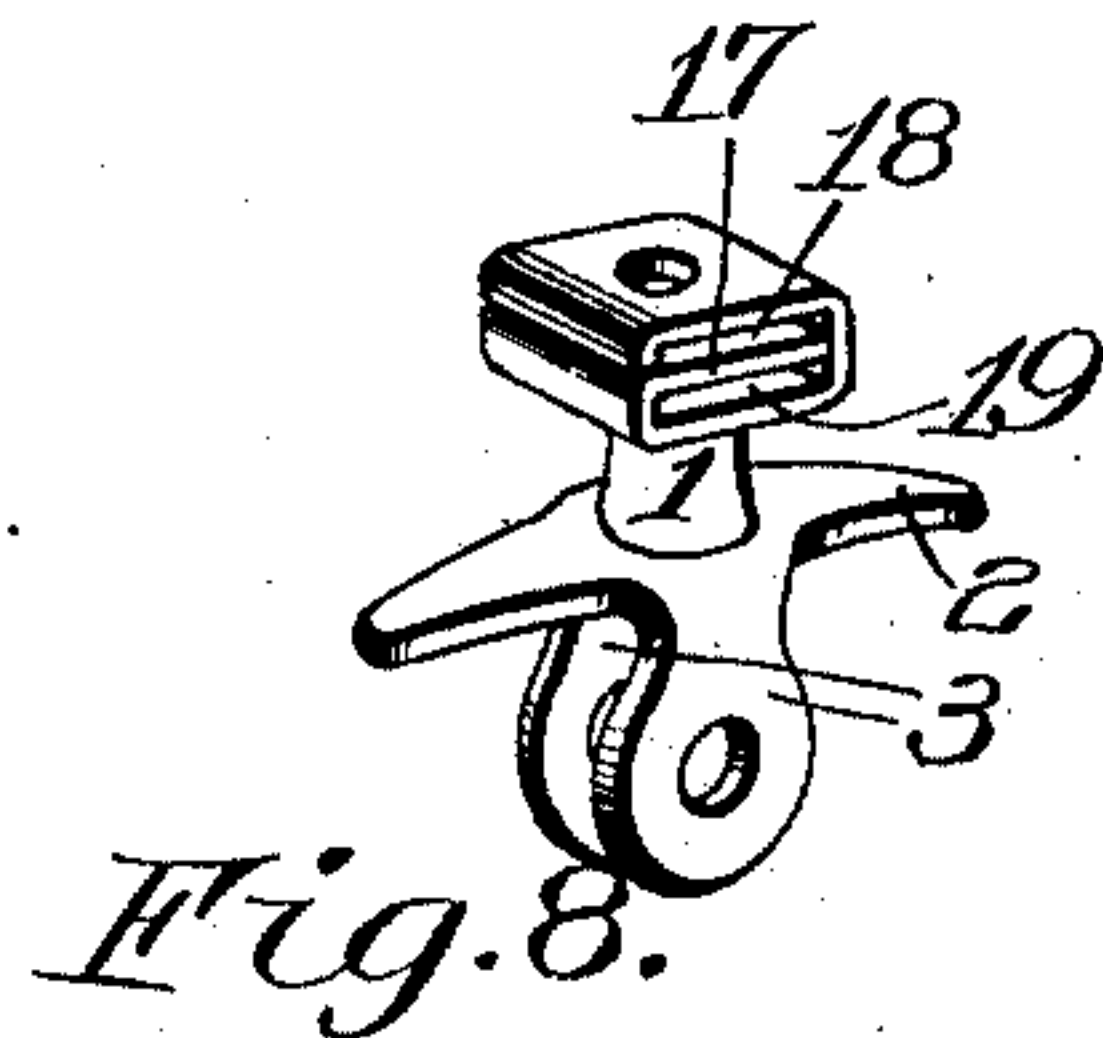
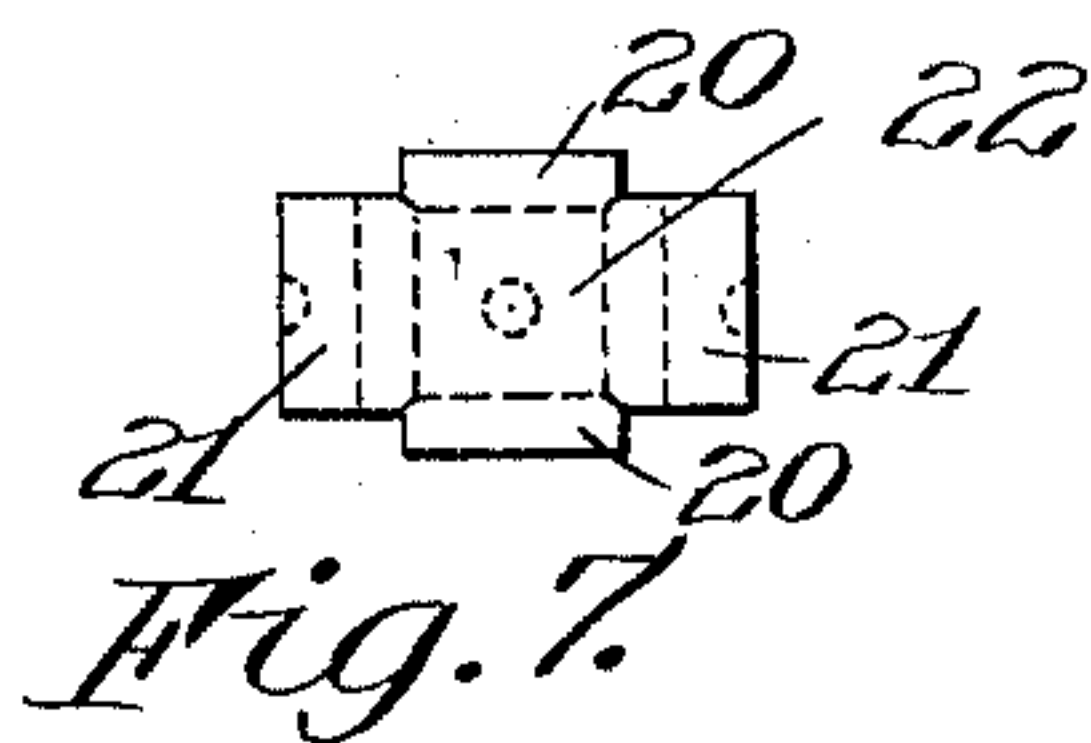
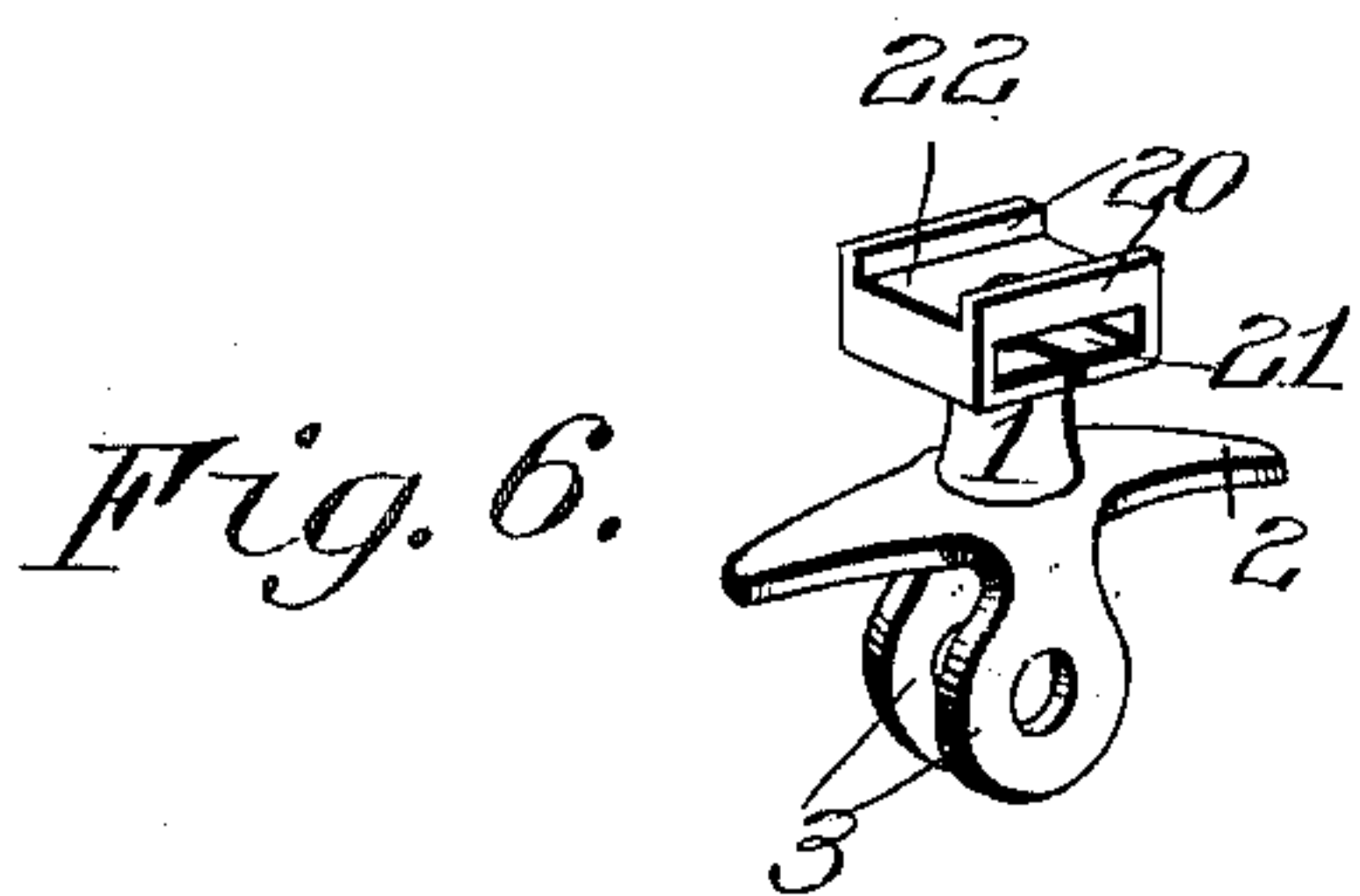
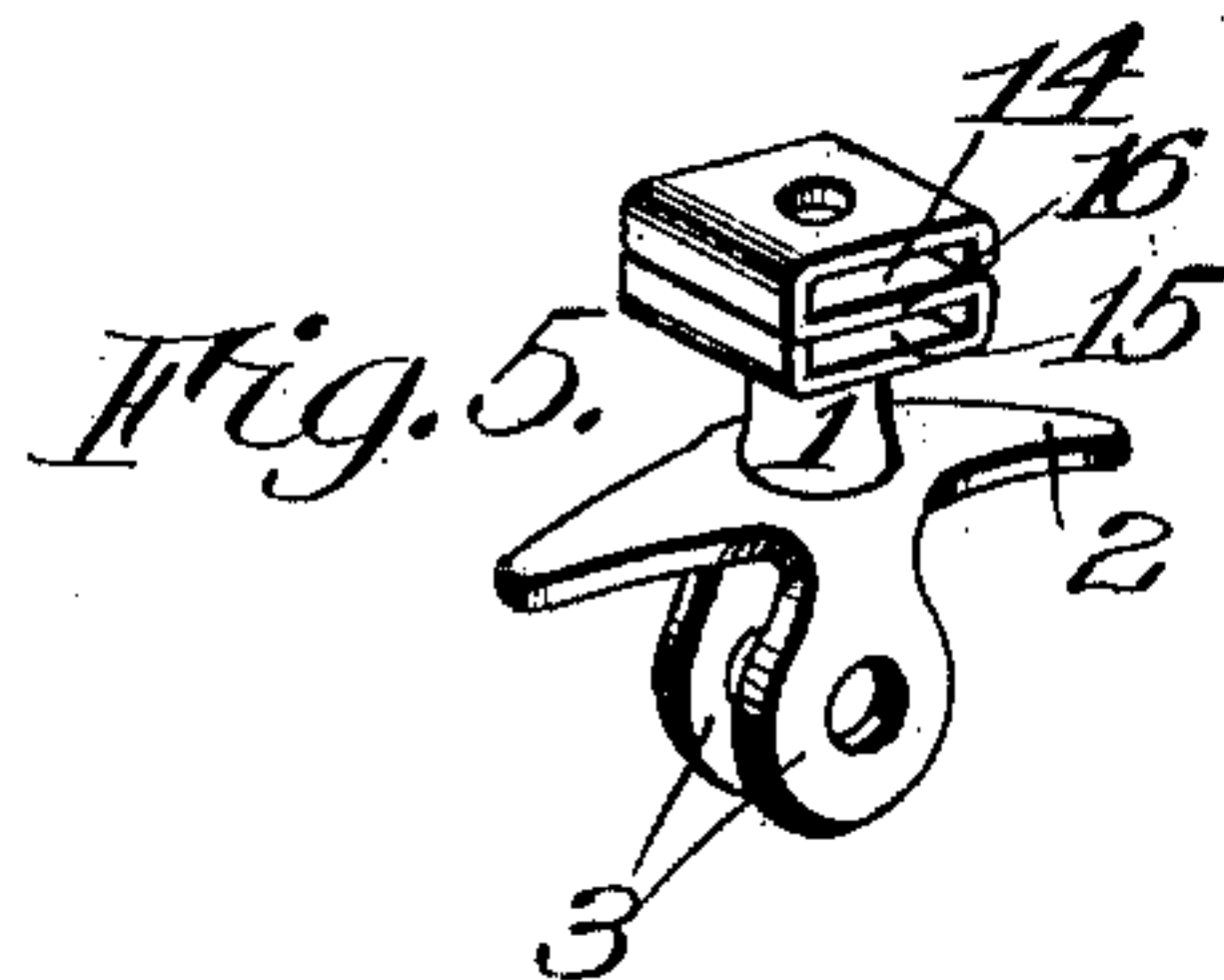
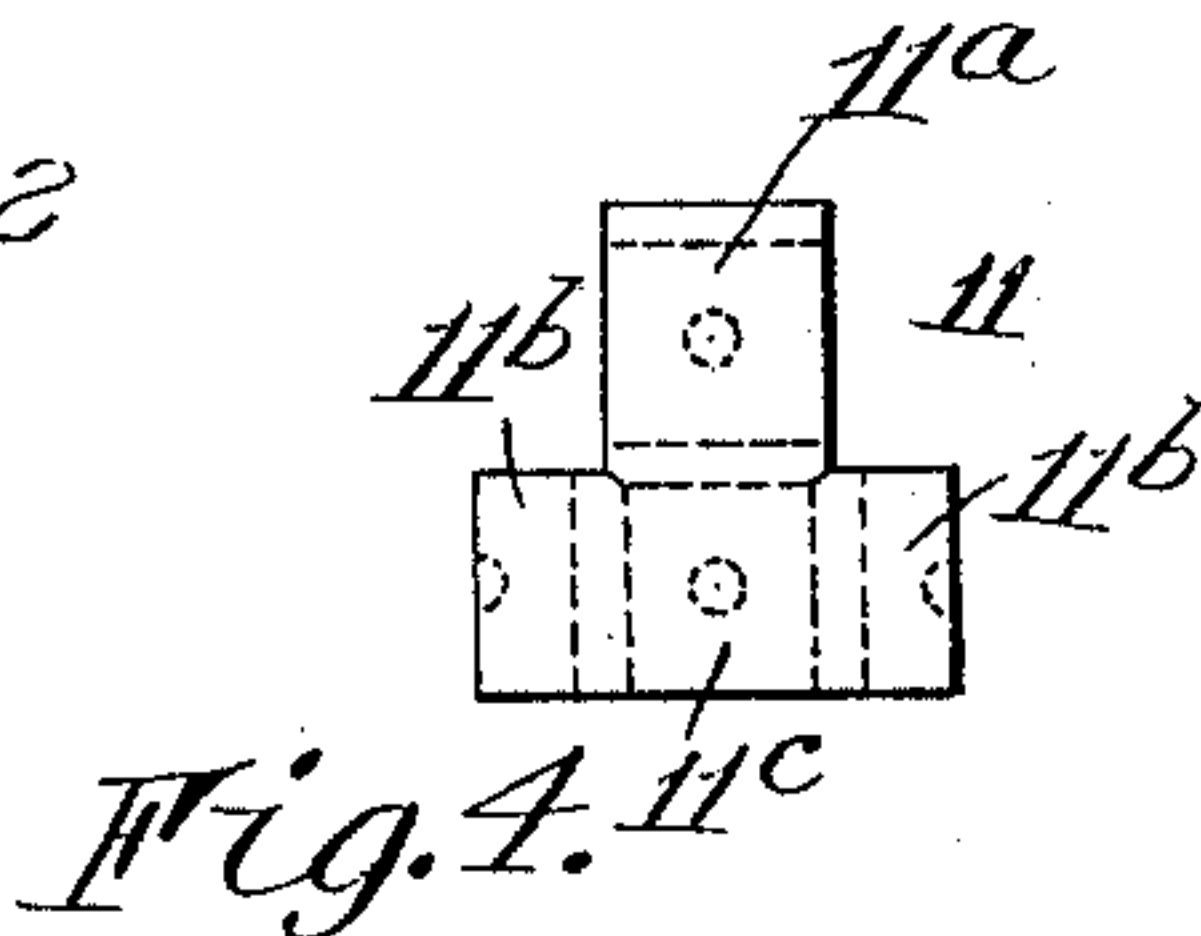
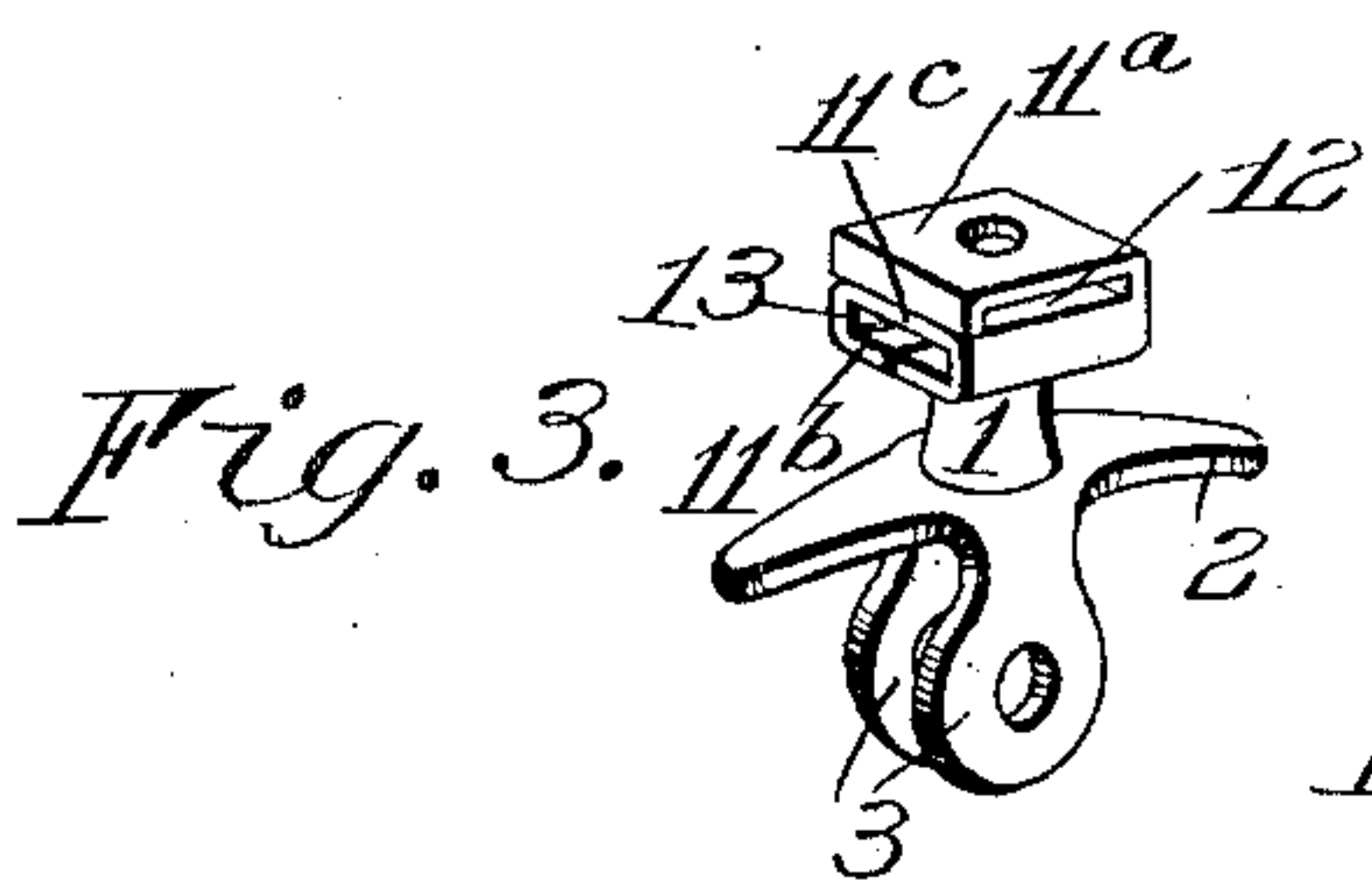
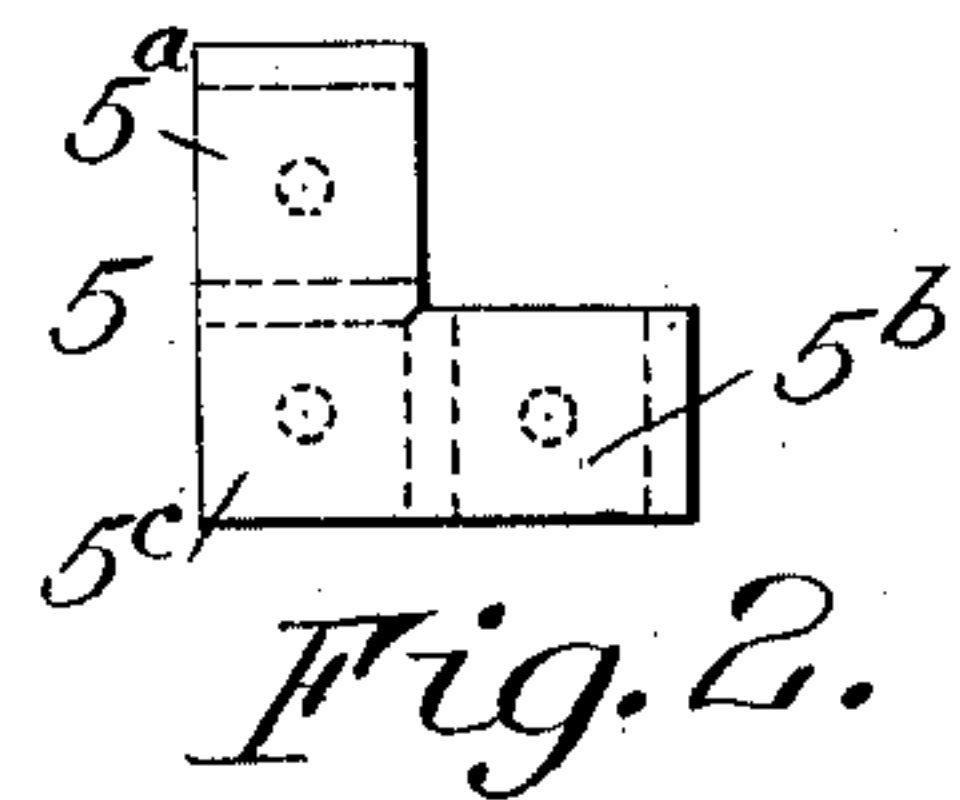
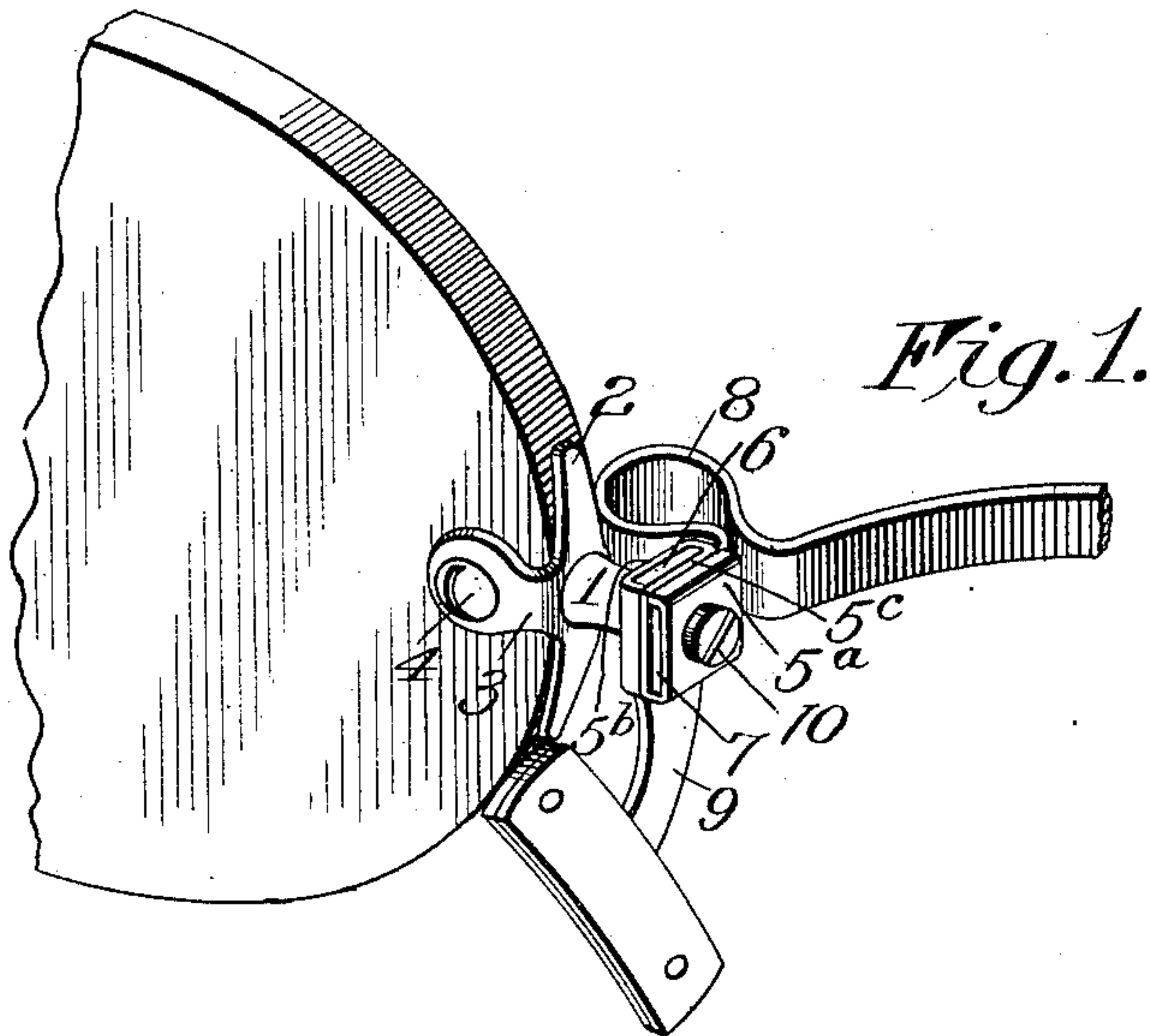
No. 756,312.

PATENTED APR. 5, 1904.

L. F. ADT.  
EYEGLASSES.

APPLICATION FILED AUG. 29, 1903.

NO MODEL.



Witnesses

Walter B. Payne.  
Clarence A. Bateman

Inventor  
L. F. Adt  
By Frederick F. Church  
Attorney



# UNITED STATES PATENT OFFICE.

LEO F. ADT, OF TROY, NEW YORK.

## EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 756,312, dated April 5, 1904.

Application filed August 29, 1903. Serial No. 171,280. (No model.)

*To all whom it may concern:*

Be it known that I, LEO F. ADT, of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful  
 5 Improvements in Eyeglasses; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My present invention relates to improvements in eyeglasses, and has for its object to provide an improved connection for securing the spring and guards to the lenses in such a  
 15 manner as to eliminate the possibility of relative motion of the parts and consequent loosening of the screw and to provide a device of this character that may be employed universally with springs and guards having both  
 20 horizontally and vertically extending attaching portions.

To these and other ends my invention consists in certain features of novelty to be hereinafter more fully described, and pointed out  
 25 in the claims hereunto annexed.

In the drawings, Figure 1 is a perspective view of a portion of an eyeglass having one form of my invention applied thereto. Fig. 2 is a detail view of the blank from which a  
 30 portion of the attachment is formed. Figs. 3 and 4 are views of an attachment and blank embodying a modified form of my invention. Figs. 5 and 8 are perspective views of modifications of the above-described forms, and  
 35 Figs. 6 and 7 are views of another modified form of attachment and the blank thereof.

The same numerals of reference designate similar parts in the several views.

In the several embodiments of my invention as herein shown an ordinary form of lens-attaching post or stud is employed in connection with my invention, such stud or post comprising a shank or body portion 1, formed in any suitable manner and provided  
 45 with a clip having the shoes 2 2 thereon to engage the edge of a lens and one or more lugs or ears 3 3, arranged to engage upon the sides of the lens and perforated to receive a fastening-screw 4. To the opposite end of a  
 50 post or stud formed in the above or any de-

sired manner is attached a box wherein the attaching ends of the spring and the guard-arms are secured, and in the embodiment shown in Figs. 1 and 2 a blank 5, substantially  
 55 L-shaped, is punched or otherwise formed, preferably, from sheet material, the ends 5<sup>a</sup> 5<sup>b</sup> thereof being folded or bent back in opposite directions to form the seats 6 7, arranged at right angles to each other upon opposite  
 60 sides of the intervening partition 5<sup>c</sup>, separating them. Into these seats or apertures 6 7 thus formed are adapted to be inserted the attaching arms or portions of the spring 8 and the guard 9, respectively, said seats being so  
 65 formed and arranged as to receive the attaching portions of springs and guards of any ordinary type or construction, wherein said portions may extend horizontally on the spring and vertically on the guard, or vice  
 70 versa. The box thus formed may be soldered or otherwise secured to the body portion 1 of the post and is apertured to receive a screw 10, adapted to perforate the attaching ends of the spring and guard to securely lock them  
 75 in position.

In Fig. 3 is illustrated a box formed in a somewhat different manner, a T-shaped blank 11 having the laterally-disposed arms 11<sup>a</sup> 11<sup>b</sup>, adapted to be folded back of the portion 11<sup>c</sup> of the blank, and an arm 11<sup>d</sup>, adapted to be  
 80 folded in the opposite direction to form a box having the seats 12 13 arranged at right angles upon each side of the intervening partition 11<sup>c</sup>. That side of the box thus formed having the abutting ends of the arms 11<sup>a</sup> 11<sup>b</sup>  
 85 is preferably soldered or otherwise secured to the body portion of the post, said box being perforated to receive the fastening-screw, the head of which will bear upon the portion 11<sup>d</sup> of the box to compress it, and thereby se-  
 90 curely clamp the spring and guard arms at right angles in relation to each other and within the box upon opposite sides of the partition 11<sup>c</sup>.

In Figs. 5 and 8 a box is illustrated that  
 95 may be formed of a straight strip of sheet material, the form shown in Fig. 6 being made by folding the extremities of the strip back upon opposite sides of the central portion thereof to form a box having the seats 14 15  
 100



arranged at opposite sides of the intervening partition 16. In Fig. 8 the box is similarly formed; but instead of the central portion of the blank forming the partition the end 17 thereof constitutes the partition, and the remaining portion of the blank is folded around said portion upon both sides to form the apertures or seats 18 19, arranged upon opposite sides of the said partition. In both forms shown in Figs. 5 and 8 the seats to receive the guard and spring arms extend in the same or parallel directions, said boxes being suitably mounted upon the body of the post and perforated to receive the clamping-screw for compressing said box and securely holding the attaching portions of the spring and guard in position.

The form illustrated in Fig. 6 is adapted to be made from a blank similar to that shown in Fig. 7, having the oppositely-disposed flanges 20 20 adapted to be bent or turned perpendicularly to the surface of the blank and the arms 21 21 adapted to be folded in an opposite direction, the parallel flanges 20 20 forming a channel or seat between them upon one side and the folded arms 21 21 a seat arranged at right angles thereto at the opposite side of the intervening partition 22, the box thus formed being suitably secured to the post or stud with, preferably, the flanges 20 20 free or extending outwardly. The box and body of the stud may be perforated to receive a fastening-screw the head of which will bear upon the spring or guard arm interposed between said flanges 20 20 to clamp the same in position and to compress the intervening portion upon the attaching portion upon the opposite side thereof, and thereby firmly secure said attaching portion in position.

In the various embodiments herein shown it will be obvious that a box is provided that may be readily and cheaply produced and suitably secured to any ordinary form of attaching post or clip, wherein a compressible or yielding action of the material comprising the box is secured, enabling the clamping or fastening screw to firmly and positively hold the spring and guards in their proper positions, and the reactionary effect of the compression will exert a constant pressure against the screw-head to produce a friction tending to resist the loosening of the screw. However, all possibility of the loosening of the screw and relative motion of the parts is practically eliminated by arranging the screw to bear upon a stationary portion of the box and clamping the attaching portions of the spring and guards at opposite sides of an intervening stationary portion of the box and so forming the seats therein as to provide portions bearing against both lateral edges of the parts to be clamped to prevent edgewise movement thereof.

I claim as my invention—

1. A device of the character described, com-

prising a portion adapted to be attached to a lens, a box thereon having seats therein adapted to receive the ends of the spring and guard arms, and a partition in said box between said seats.

2. A device of the character described, comprising a body portion adapted to be attached to the lens, a box formed of sheet material and attached thereto having seats formed therein to receive the attaching portions of the spring and guard, and having a partition between said seats, and a screw for clamping said attaching portions within said box.

3. A device of the character described, comprising a body portion adapted to be attached to a lens, and a compressible box carried thereby, having seats formed therein to receive the ends of the spring and guard arms, a partition formed in said box between said seats, and a clamping-screw having a portion adapted to bear upon a portion of said box to clamp said attaching ends therein.

4. In a device of the character described, the combination with a body portion adapted to be attached to a lens, of a box formed of an integral piece and secured thereto having seats formed therein to receive the attaching ends of the spring and guards, a partition formed integrally with said box between said seats upon opposite sides of which said attaching ends are adapted to bear, and a screw for clamping said ends within said box.

5. In a device of the character described, the combination with the shank or body portion having devices thereon to engage a lens, of a box formed integrally of flat material having its ends bent or folded in opposite directions to form seats arranged upon opposite sides of an intervening portion to receive the attaching ends of the spring and guards, and a screw passing through apertures in said box and said spring and guard ends, and having a portion adapted to bear upon a portion of said box to compress it and clamp said attaching ends therein.

6. The combination with the shank or body portion of a stud or post and lens-attaching devices carried thereby, of a box formed of a blank of sheet material having oppositely-disposed portions thereon adapted to be folded upon opposite sides of an intervening portion thereof to form seats arranged at opposite sides of a partition to receive the attaching ends of the spring and guard, the box thus formed being secured to the shank or body portion of the post or stud, and perforated to receive a clamping-screw.

7. In eyeglasses, a device of the character described, comprising a shank or body portion carrying lens-attaching devices, and a box having a portion thereof attached to said shank, and resilient or yielding portions formed integrally therewith and arranged to provide seats to receive the attaching portions of the spring or guard, an intervening partition be-



ing provided against which said attaching portions are adapted to bear, said box being perforated to receive a fastening-screw for compressing said yielding portions on said attaching portions.

8. A device of the character described, comprising a shank or body portion to which the lenses of an eyeglass are adapted to be attached, and a box having a portion thereof attached to said shank and a relatively yieldable portion so arranged as to form a seat between it and said attached portion to receive the at-

taching ends of the spring and guards, and having its free end located at one side thereof to permit a yielding action between said yieldable and attached portions, the box thus formed being apertured to receive a fastening-screw adapted to produce a compression between said portions.

LEO F. ADT.

Witnesses:

WM. SHAW,  
K. BELLE KELLY.