

No. 746,341.

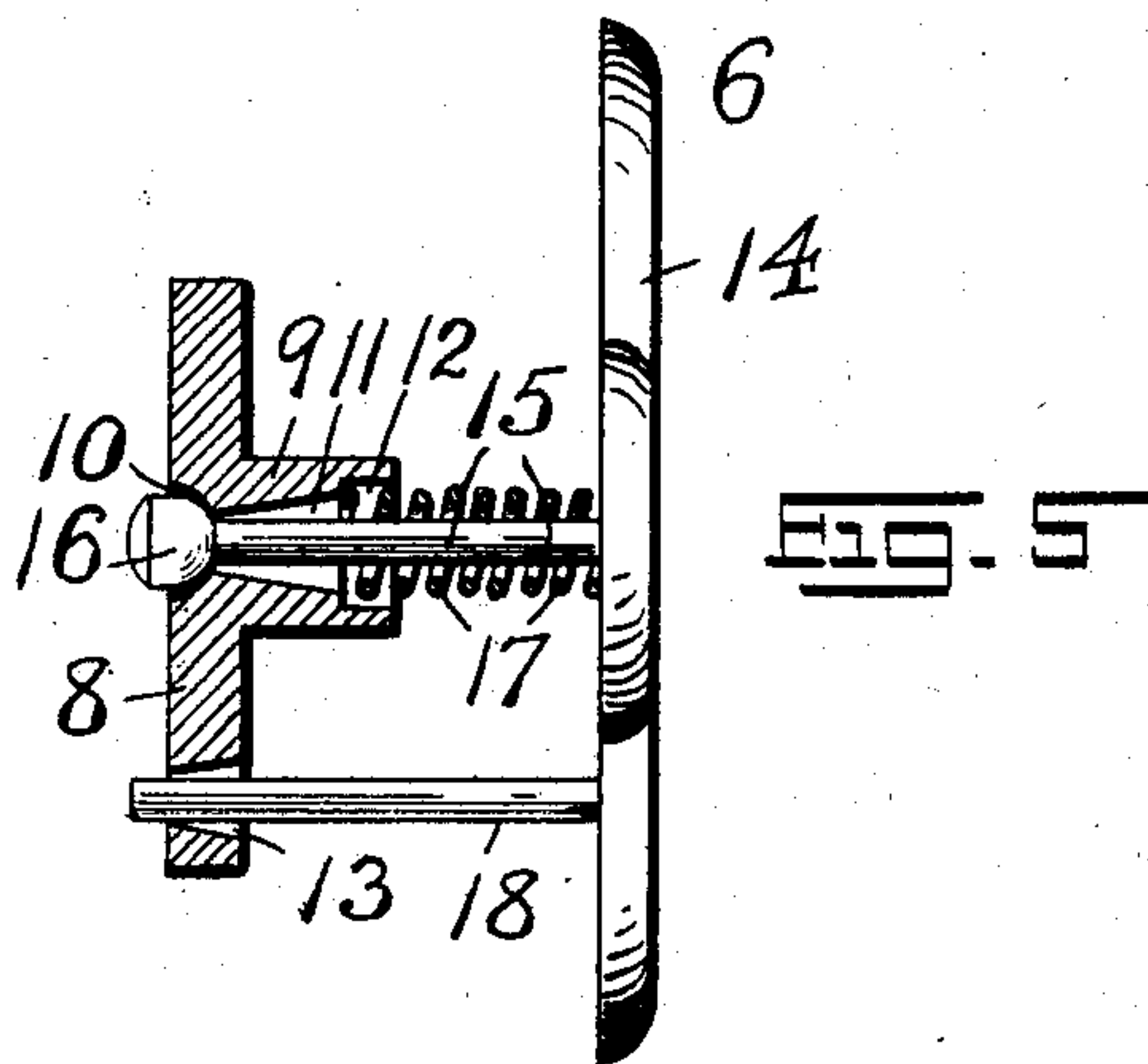
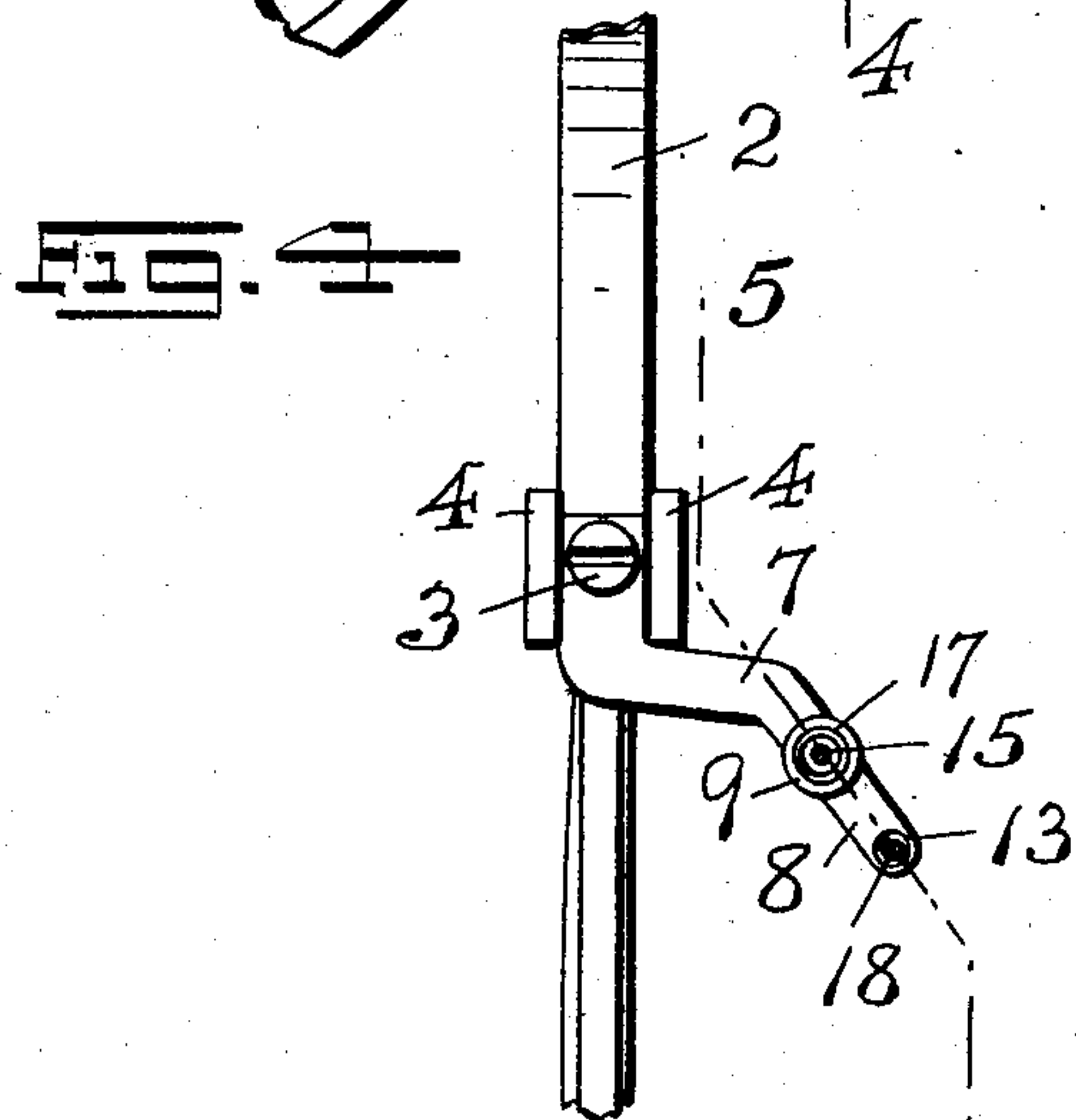
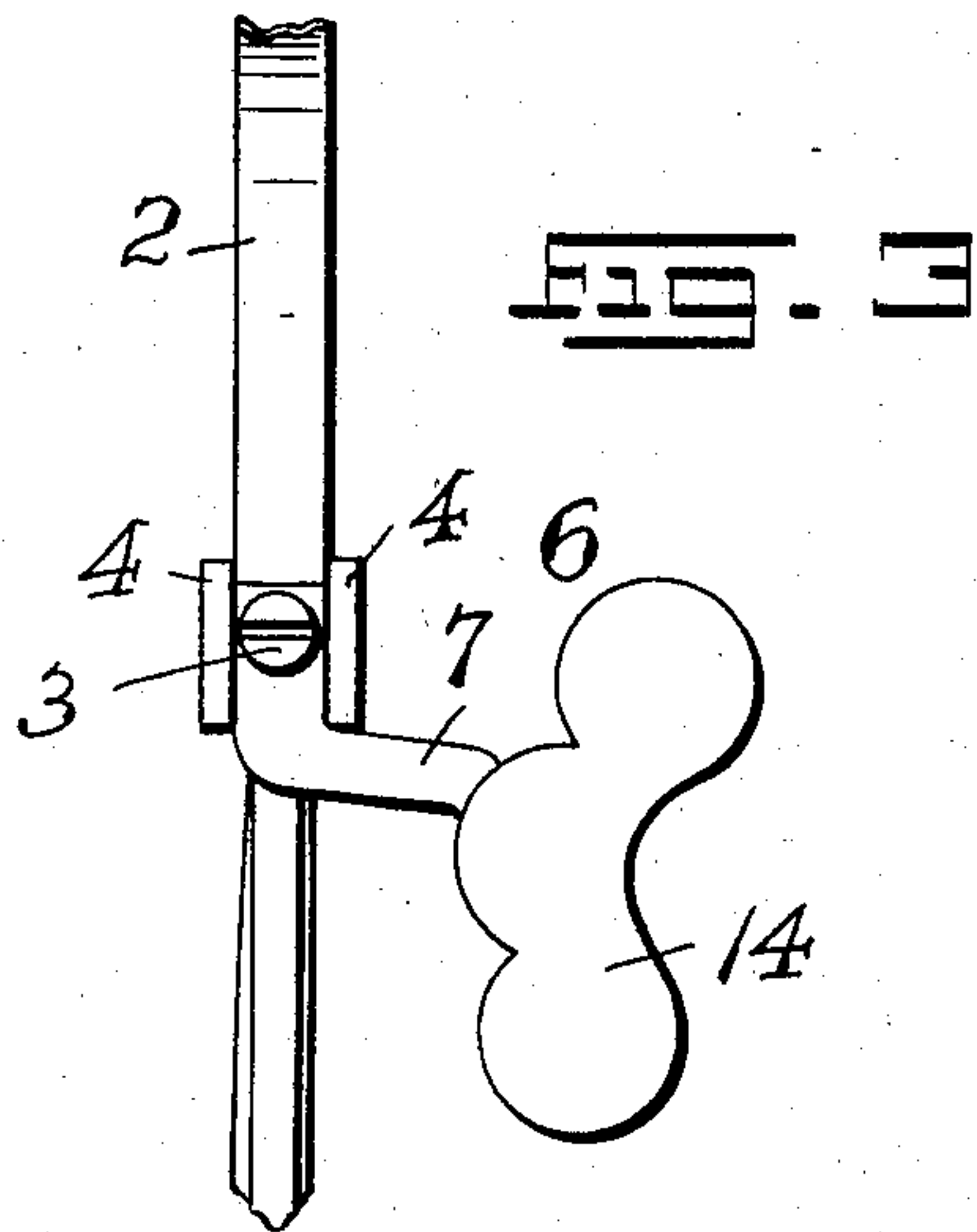
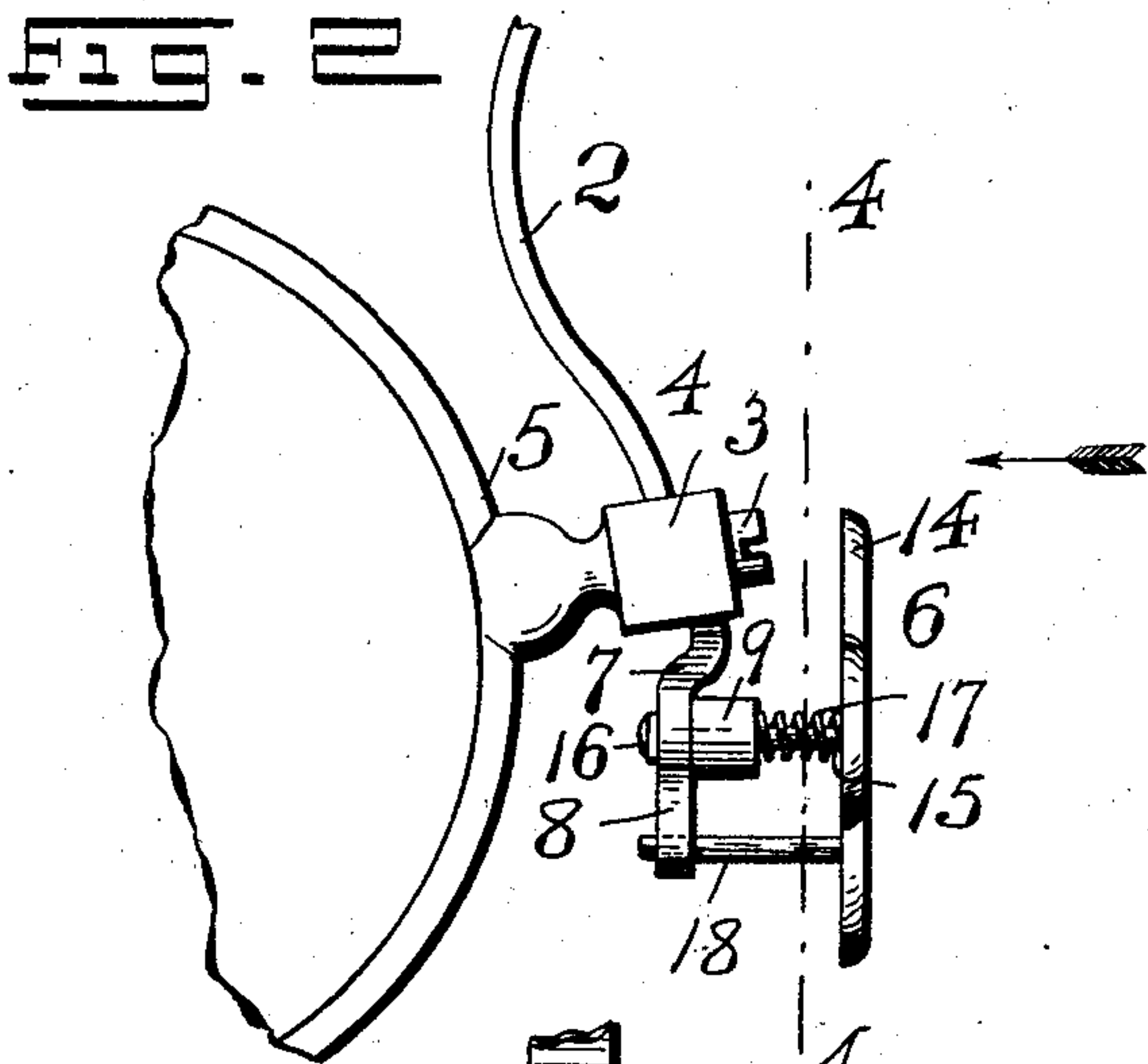
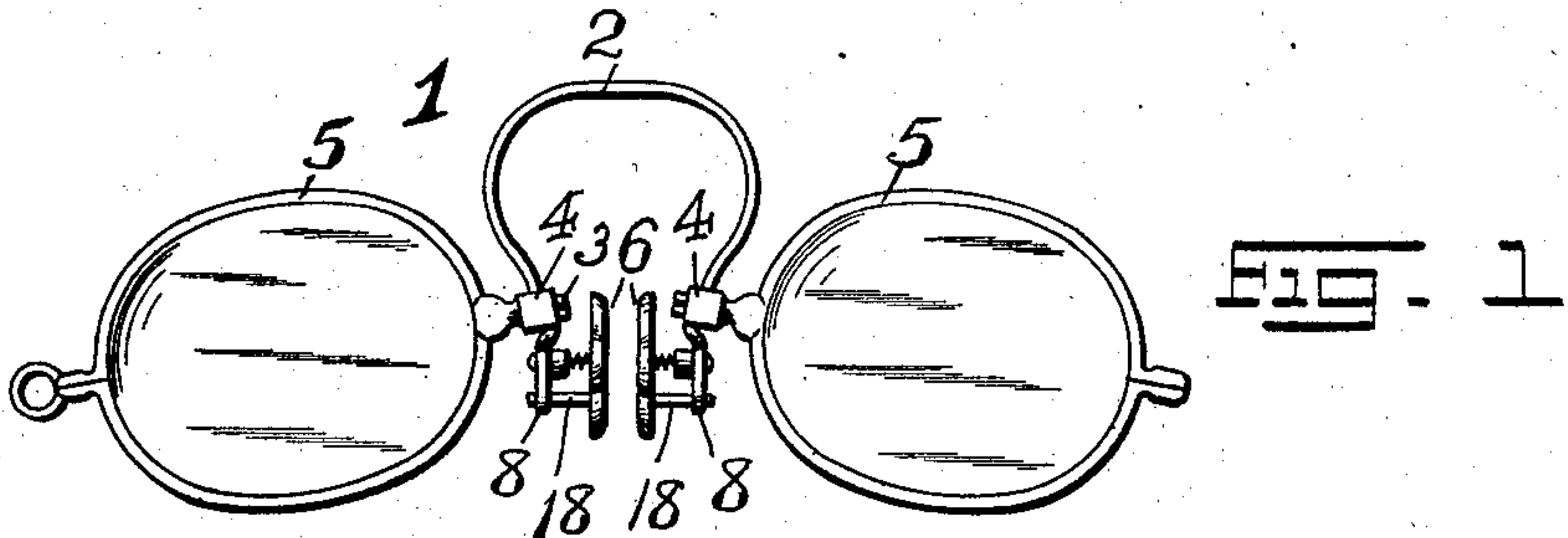
PATENTED DEC. 8, 1903.

L. KLEB.  
EYEGLASSES.

APPLICATION FILED MAY 4, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES:

*Geo. S. Richards*  
*H. B. Fraentzel*

INVENTOR:

*Louis Kleb,*  
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ATTORNEY

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2 SHEETS—SHEET 2.

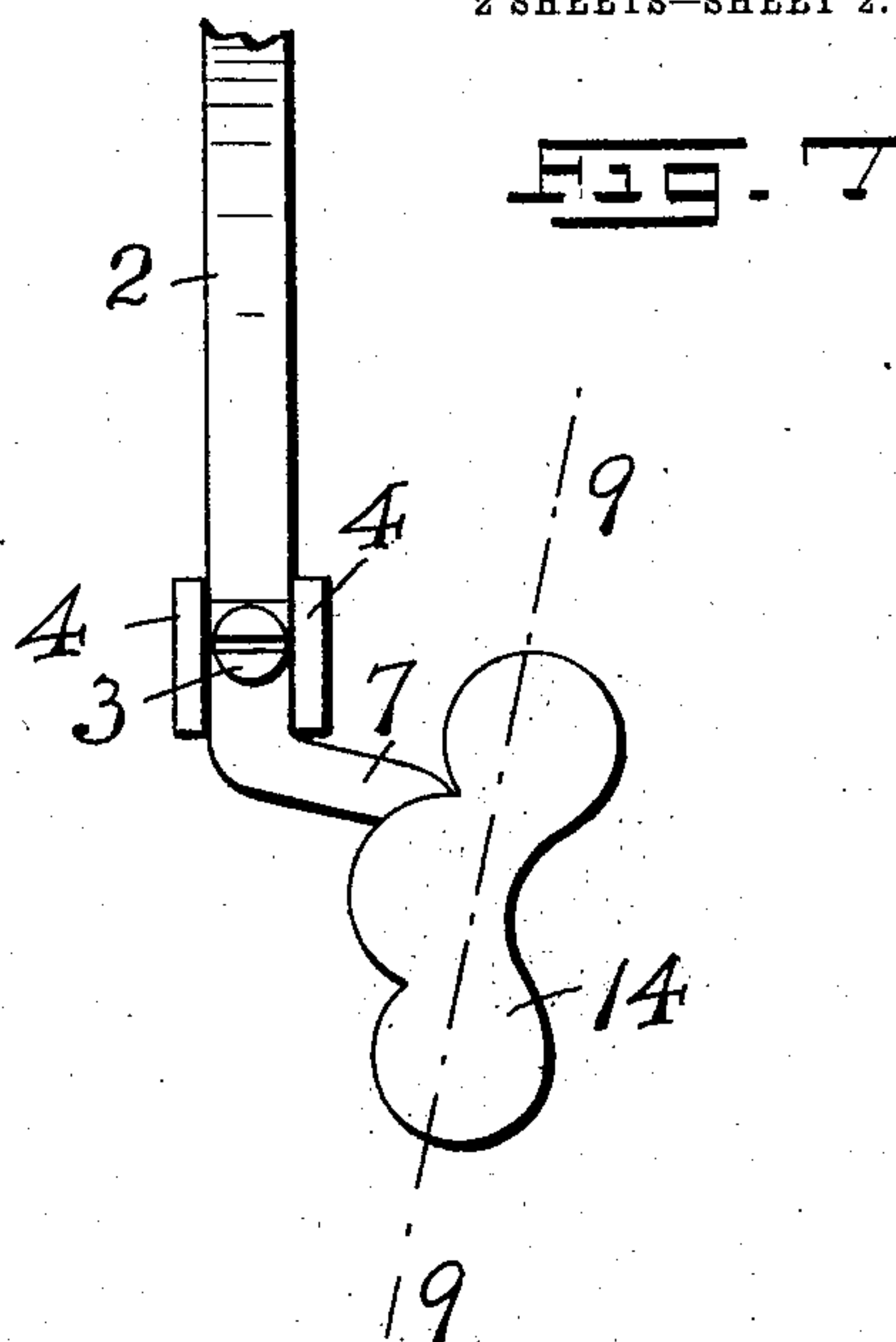
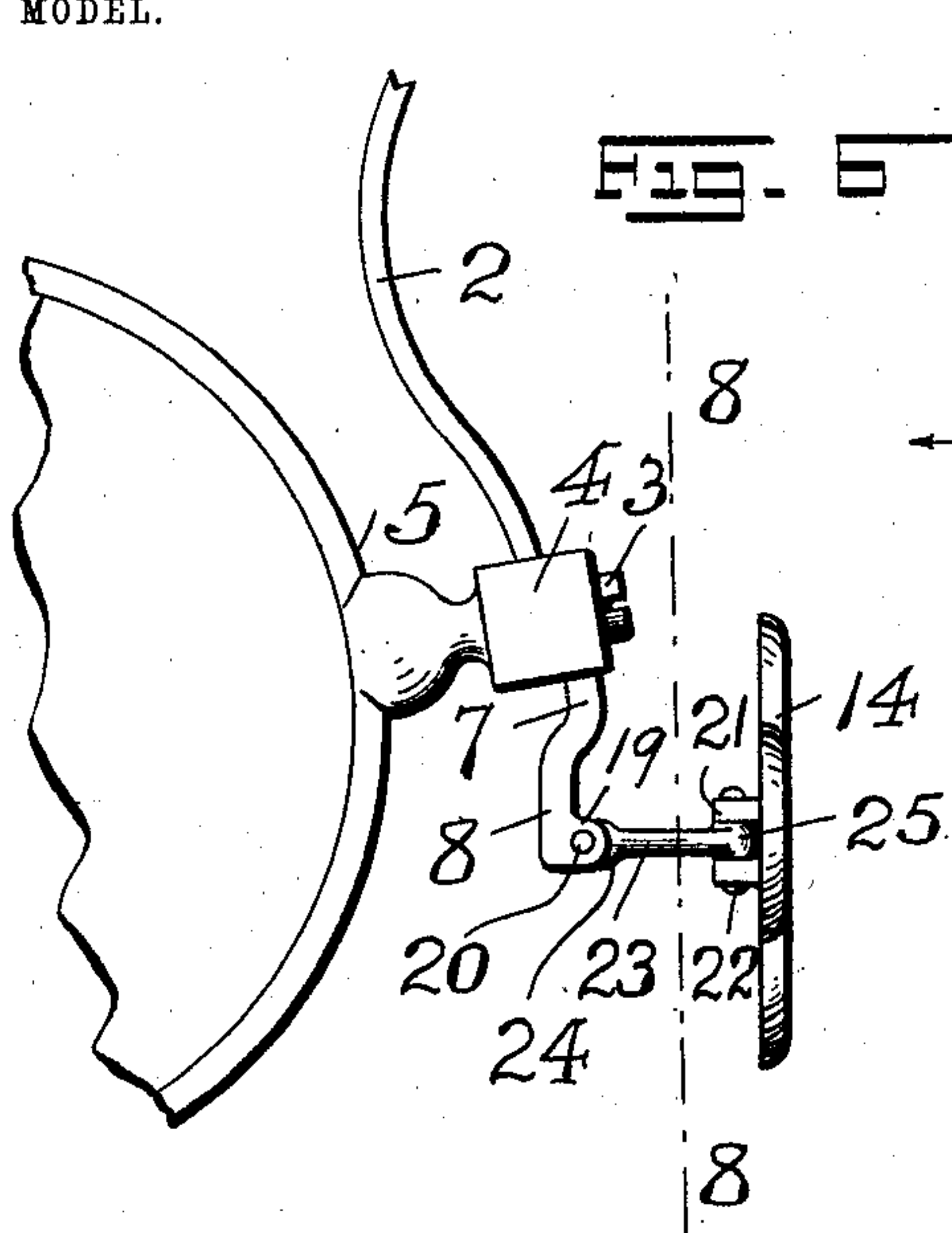


FIG. 8

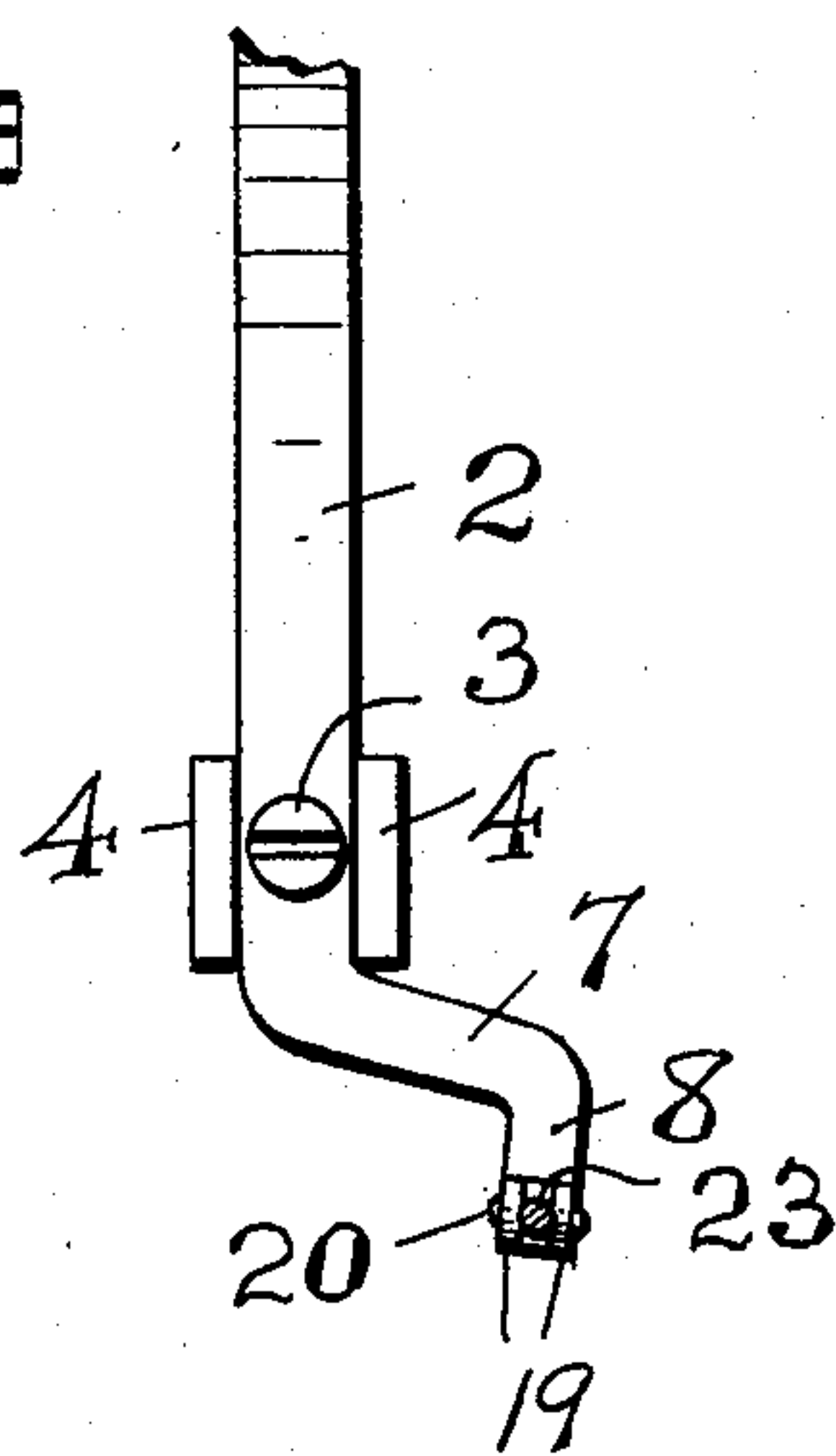
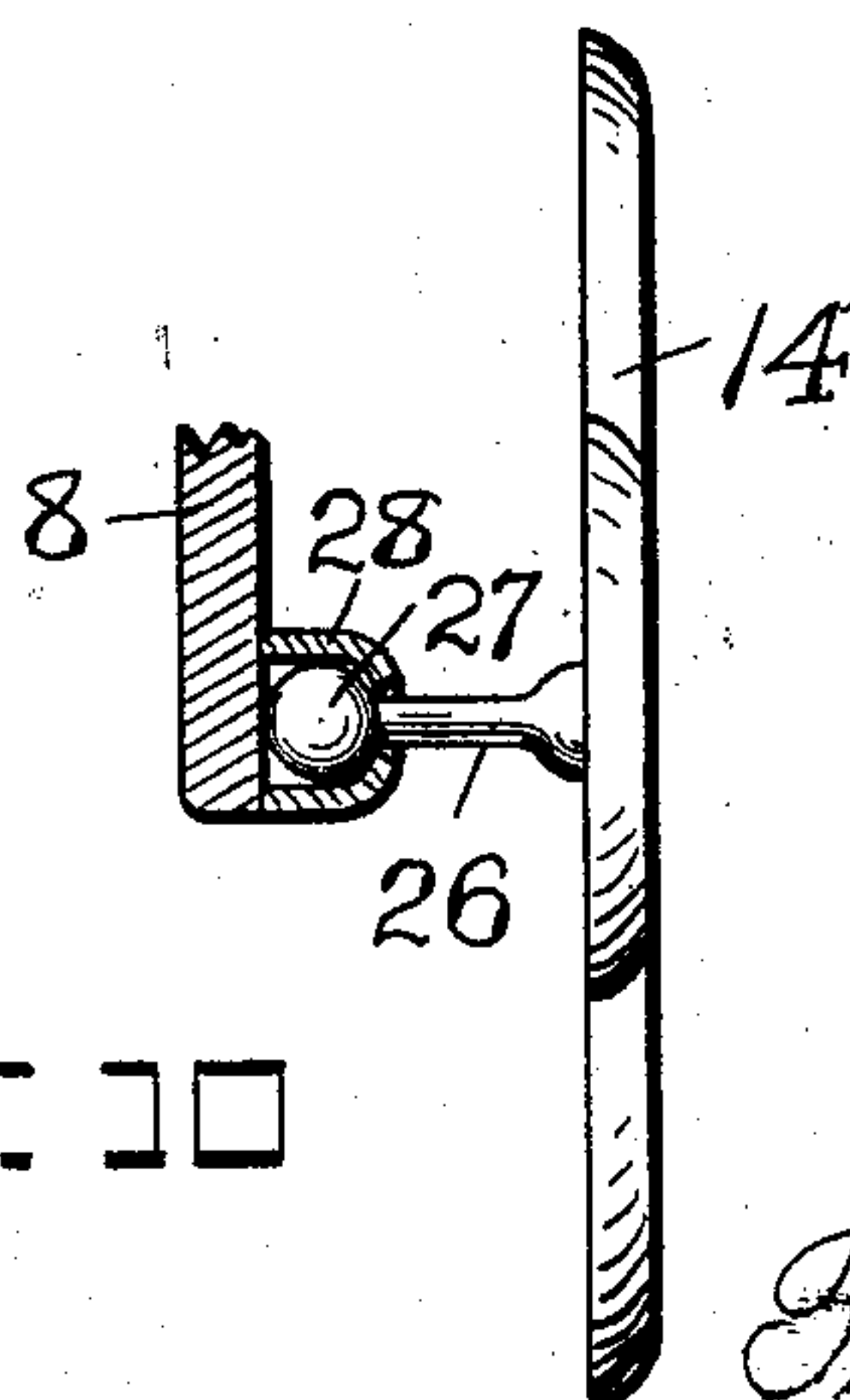
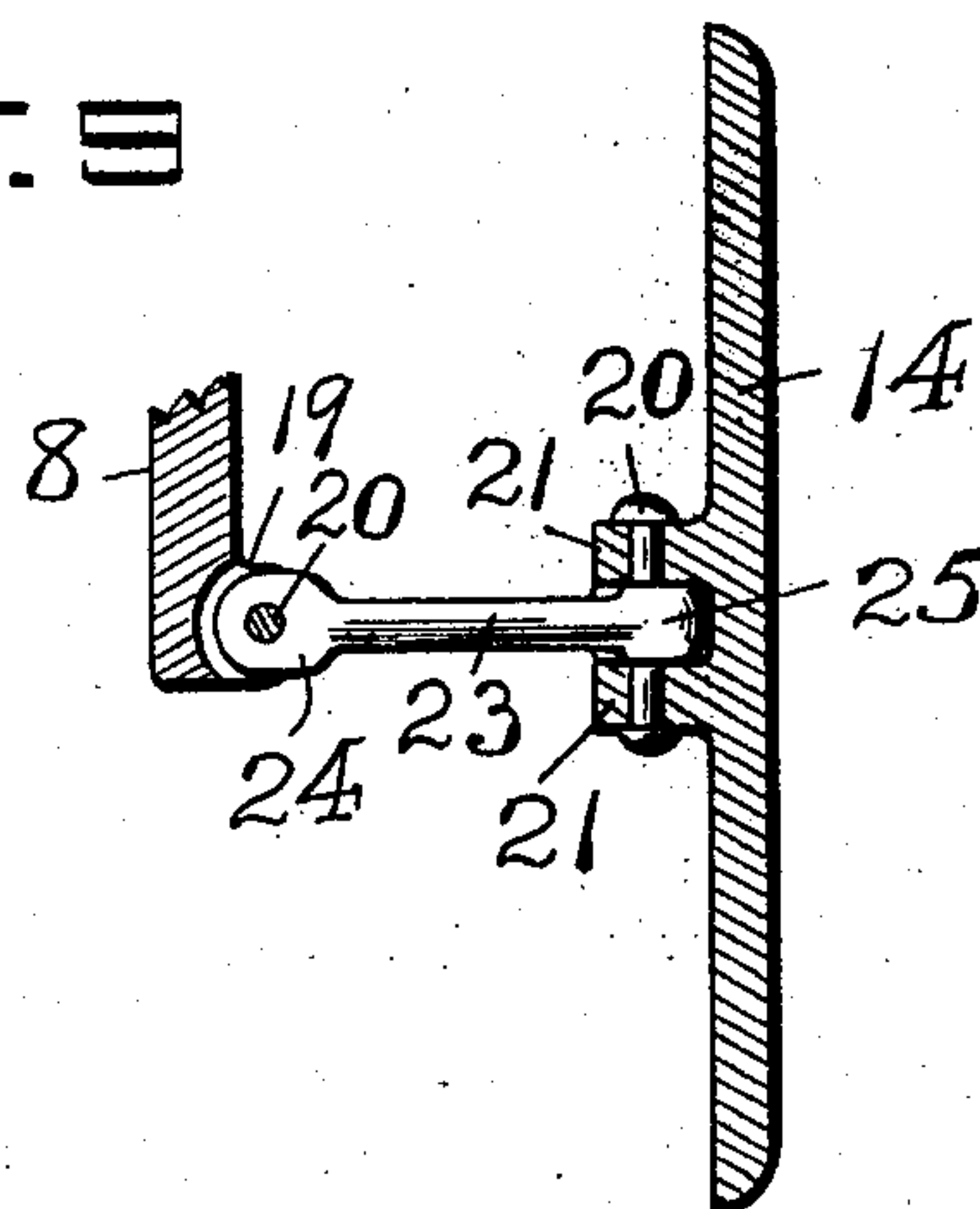


FIG. 9



WITNESSES:

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FIG. 10

INVENTOR:

*Louis Kleb,*

BY

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# UNITED STATES PATENT OFFICE.

LOUIS KLEB, OF NEWARK, NEW JERSEY.

## EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 746,341, dated December 8, 1903.

Application filed May 4, 1903. Serial No. 155,519. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS KLEB, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Eyeglasses; and I do hereby 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 numerals of reference marked thereon, which form a part of this specification.

This invention relates to improvements in mountings for eyeglasses; and the present invention has for its principal object to provide, in connection with the mounting, a novel construction of nose-guard constructed to provide, when in position upon the nose, a greater bearing-surface to more easily retain the eyeglasses in their position upon the nose, the guard being movably connected with the mounting and being capable of adjusting itself to any configuration of the sides of the nose, thereby resulting in great comfort and ease to the wearer and less liability of abrading the skin and preventing the resulting soreness of the nose.

A further object of the present invention is to provide a nose-guard having a universal movement, so that it will be self-adjusting on the nose and will thereby be securely held against accidental displacement.

The invention therefore consists in the general construction of mounting and self-adjustable nose-guard connected therewith, all of which will be hereinafter more fully described.

This invention consists, furthermore, in the various arrangements and combinations of parts, as well as in the details of the construction thereof, all of which will be more particularly described in the following specification and then finally embodied in the clauses of the claim which are appended to and form a part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a face view of a pair of eyeglasses and a mounting and nose-guard therefor, all embodying the principles of the pres-

ent invention. Fig. 2 represents a face view, on an enlarged scale, of a portion of one of the eyeglass-lenses, a portion of the mounting and a nose-guard connected therewith, the said guard being represented in end elevation. Fig. 3 is an edge view of these parts looking in the direction of the arrow in said Fig. 2. Fig. 4 is a vertical cross-section taken on line 4 4 in said Fig. 2, and Fig. 5 is a transverse section on line 5 5 in said Fig. 4. Fig. 6 is a view of a portion of an eyeglass-lens, a portion of the mounting therefor, and a nose-guard connected therewith, illustrating another means of adjustably attaching the said nose-guard to the mounting. Fig. 7 is an edge view of the parts represented in said Fig. 6 looking in the direction of the arrow in said figure. Fig. 8 is a vertical section taken on line 8 8 in said Fig. 6, and Fig. 9 is a similar section taken on line 9 9 in said Fig. 7. Fig. 10 is a sectional representation of still another modified means of adjustably attaching the nose-guard to the mounting.

Similar characters of reference are employed in all of the said hereinabove-described views to indicate corresponding parts.

Referring now to Figs. 1 to 5, inclusive, the reference character 1 indicates the complete mounting, the same comprising the usual form of spring 2, connected at or near its free end portions by means of screws 3 or in any other usual manner with the boxes 4, and the usual means and frame in which the lenses 5 are mounted. The nose-guards are indicated by the reference character 6, and they are adjustably connected with each free end portion 7 of the spring 2 in the following manner: The said end portions 7 are bent or formed, preferably in the manner represented in the several figures of the drawings, to provide an angular arm 8, which, as will be seen, is made with a socketed extension 9, having a curved retaining portion 10, a tapering or funnel-shaped duct 11, and a shouldered retaining portion 12, substantially as illustrated in Fig. 5 of the drawings. The said arm 8 is also provided with a tapered opening 13, as shown.

The nose-plate of the guard is indicated by the reference 14, and it may be of any configuration in outline. Suitably secured upon the back of the said nose-plate 14 is a post



15, which extends through the portion 12 and the duct 11 and is provided with a ball-shaped or other enlargement 16, which is movably arranged upon the curved seat of the retaining portion 10 in the manner of a ball-and-socket joint and whereby the post 15 is capable of a free oscillatory movement within the duct 11, so that the nose-plate 14 readily adjusts itself to any shape and configuration of nose against which it is to be placed. That the said post 15 and plate 14 may be operatively connected with the arm 8 and still have a flexible and yielding relation with the said arm 8 a coiled spring 17 encircles a portion of the said post 15, the spring being sufficiently compressed between the back of the nose-plate 14 and the shouldered retaining portion 12 that it will have an initial pressure which brings the enlargement 16 in its operative position upon the seat of the said retaining portion 10. The said nose-plate 14 is also preferably made with a rearwardly-extending post 18, which extends into and through the tapered opening 13 in the arm 8, these parts acting as a guiding means to limit any undue pivotal or oscillating movement of the post 15 and the plate 14, as will be clearly evident.

From an inspection more especially of Fig. 5 it will be seen that while the nose-plate 14 and its post 15 may have a rotary or oscillatory motion the said plate 14 will readily adjust itself to the shape or contour of the nose, and it can also be moved in direct alinement with the central axis of the duct 11 toward the said arm 8 and the end portions 7 of the spring 2, whereby the two oppositely-placed nose-plates can be brought farther apart or closer to each other in their holding positions upon the opposite sides of the nose, the various parts having such flexible and yielding properties that the guards can be worn upon the nose without annoyance to the wearer and without danger of accidental displacement, being easily and positively retained upon any shaped nose.

In Figs. 6 to 9, inclusive, I have illustrated a modified means of adjustably attaching the nose-plate 14 to the arm 8 of the portion 7 of the spring 2. In this construction the said arm 8 is made with a pair of perforated ears or lugs 19, in which is arranged a pintle 20. The nose-plate 14 is also made with a pair of rearwardly-extending perforated ears or lugs 21, in which is arranged a pintle 22. A post or bar 23 is arranged between these pintles 20 and 22, the said post or bar having an eye portion 24, arranged upon the pintle 20, and an eye portion 25, which is arranged upon the pintle 22. These eye portions have their flat sides suitably arranged between the respective ears or lugs 19 and 21 in frictional contact with the opposite surfaces of each pair of ears, which permits of a pivotal movement of the various parts, but retains the said parts in any one of their adjusted positions, as will be clearly understood.

No matter in what angular arrangement the plate 14 and the post or bar 23 have been placed the central axes of the pintles 20 and 22 are always at right angles to each other, whereby the plate 14 is capable of any angular adjustment, so as to be applied or easily fitted to any shape or contour of nose.

In Fig. 10 I have illustrated still another modified form of adjusting means. In this construction the plate 14 is made with a rearwardly-extending post 26, having upon its free end a ball-shaped enlargement 27, which is movably arranged and held within a socket 28, suitably secured, by means of solder or in any other manner, upon the arm 8. The adjustable arrangement of the plate 14 in relation to the other parts will be clearly evident from an inspection of the said Fig. 10.

The many advantages derived from my present invention will be evident from the above description and from an inspection of the drawings; but the principal features of the invention are adaptability of easy and quick adjustment of the nose-plate to the different shapes of noses, and especially the self-adjusting feature of the construction set forth in Figs. 1 to 5, inclusive, whereby the eyeglasses are comfortably and positively held upon the nose and will not abrade the skin, and thereby prevents the sore spots which are the results of so many faulty constructions now in use.

I am aware that several changes may be made in the various arrangements and combinations of the parts, as well as in the details of the construction of the same, without departing from the scope of my present invention. Hence I do not limit my invention to the exact arrangement and combinations of the parts as described in the foregoing specification and as illustrated in the accompanying drawings; nor do I confine myself to the exact details of the construction of the said parts.

Having thus described my invention, what I claim is—

1. In a mounting for eyeglasses, the combination, with the bow-spring, of a nose-guard comprising a nose-plate, and a rearwardly-extending post on said plate, said plate and post having a universal oscillatory movement, substantially as and for the purposes set forth.

2. In a mounting for eyeglasses, the combination, with the bow-spring, of a nose-guard comprising a nose-plate, and a rearwardly-extending post on said plate, said plate and post having a universal oscillatory movement, and a spring encircling said post between said nose-plate and a portion of the bow-spring to provide for a yielding motion of said nose-plate toward the said bow-spring, substantially as and for the purposes set forth.

3. In a mounting for eyeglasses, the combination, with the bow-spring, of a nose-guard comprising a nose-plate, and a rearwardly-



extending post on said plate, said plate and post having a universal oscillatory movement, a spring encircling said post between said nose-plate and a portion of the bow-spring to provide for a yielding motion of said nose-plate toward the said bow-spring, and a guide-rod on said nose-plate, substantially as and for the purposes set forth.

4. In a mounting for eyeglasses, a bow-spring, having a receiving-socket, and a nose-guard comprising a nose-plate, and a rearwardly-extending post on said nose-plate, said post extending in said receiving-socket, and a spring encircling said post between said nose-plate and a portion of the bow-spring to provide for a yielding motion of said nose-plate toward the said bow-spring, substantially as and for the purposes set forth.

5. In a mounting for eyeglasses, a bow-spring, having a receiving-socket, and a nose-guard comprising a nose-plate, a rearwardly-extending post on said nose-plate, said post having an oscillatory motion in said receiving-socket, and a coiled spring encircling the said post between said nose-plate and a por-

tion of said receiving-socket to provide for a yielding motion of said nose-plate toward the said bow-spring, substantially as and for the purposes set forth.

6. In a mounting for eyeglasses, a bow-spring, having a receiving-socket, and a nose-guard comprising a nose-plate, a rearwardly-extending post on said nose-plate, said post having an oscillatory motion in said receiving-socket, and a coiled spring encircling the said post between said nose-plate and a portion of said receiving-socket to provide for a yielding motion of said nose-plate toward the said bow-spring, and a guide-rod on said nose-plate, said bow-spring being provided with an opening in which said guide-rod is movably arranged, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 2d day of May, 1903.

LOUIS KLEB.

Witnesses:

FREDK. C. FRAENTZEL,  
GEO. D. RICHARDS.