

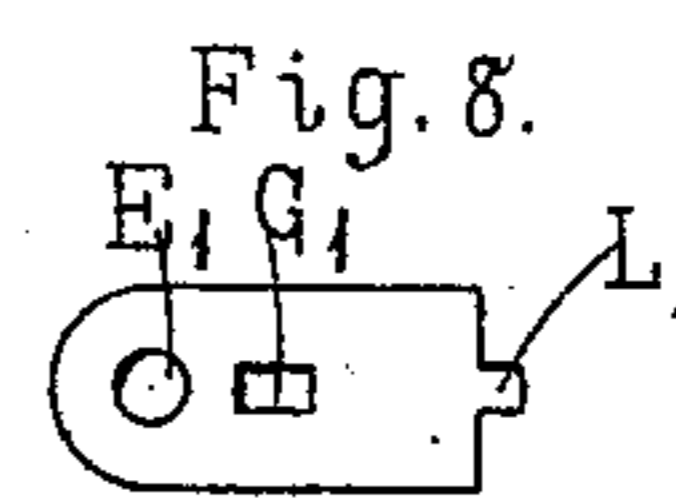
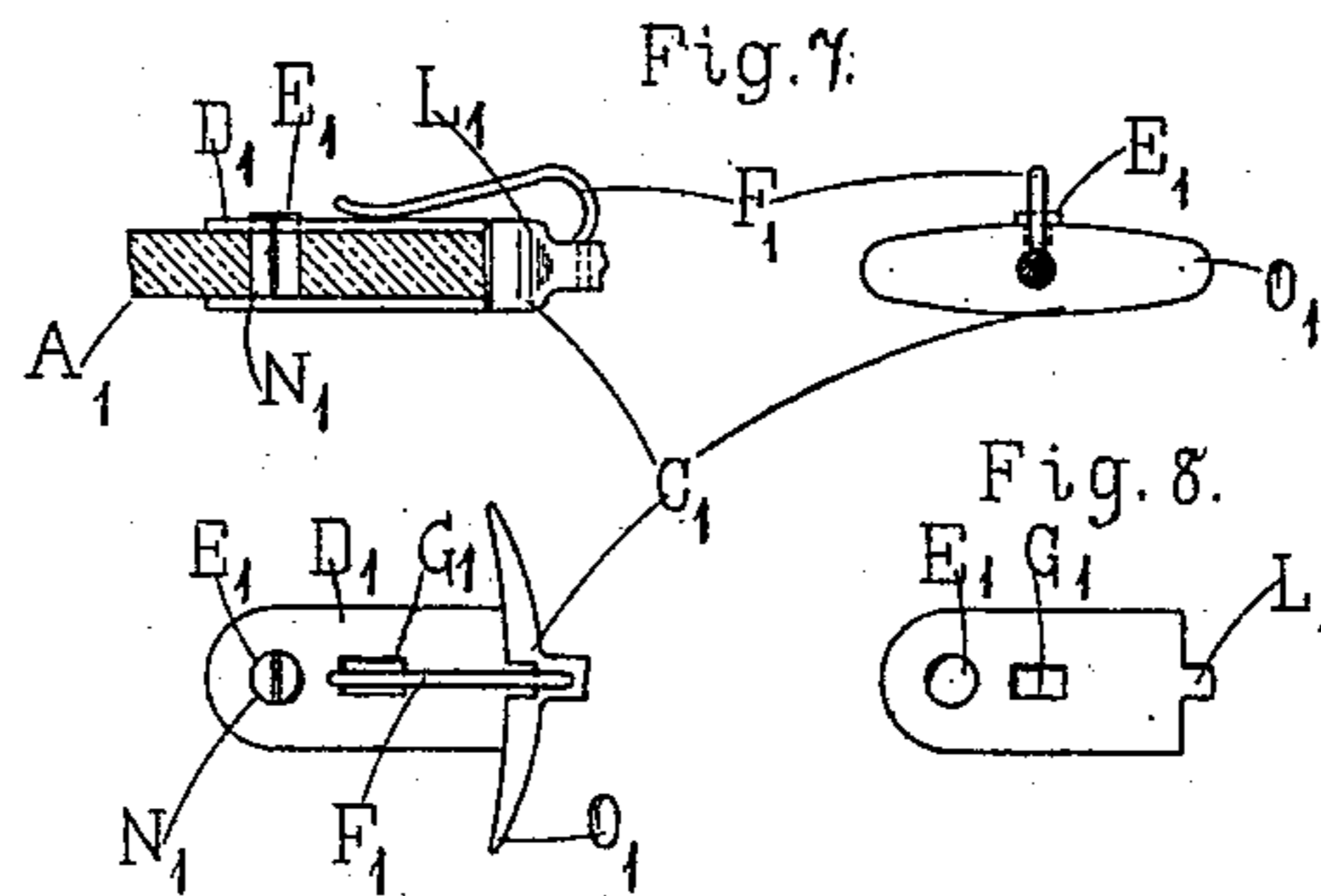
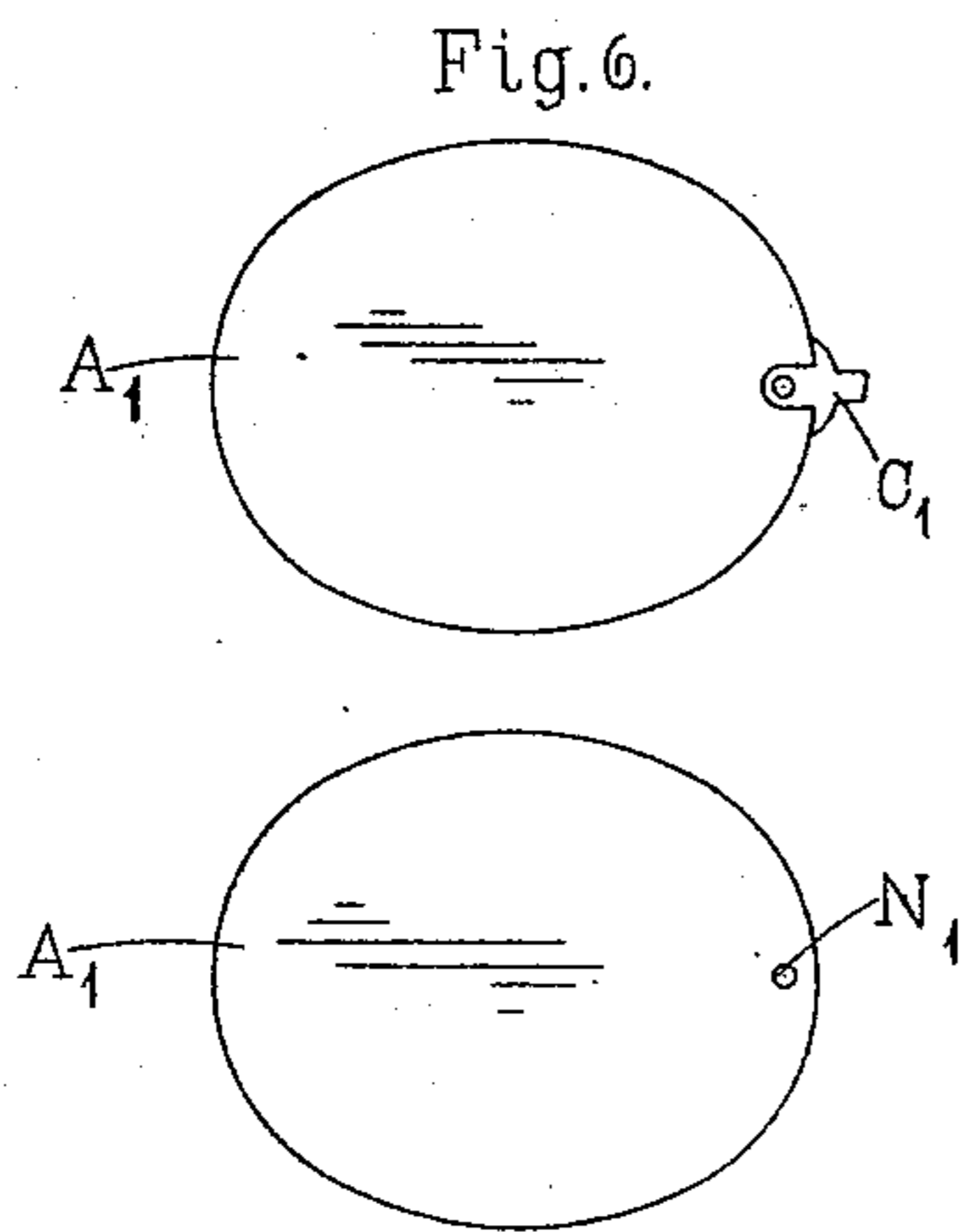
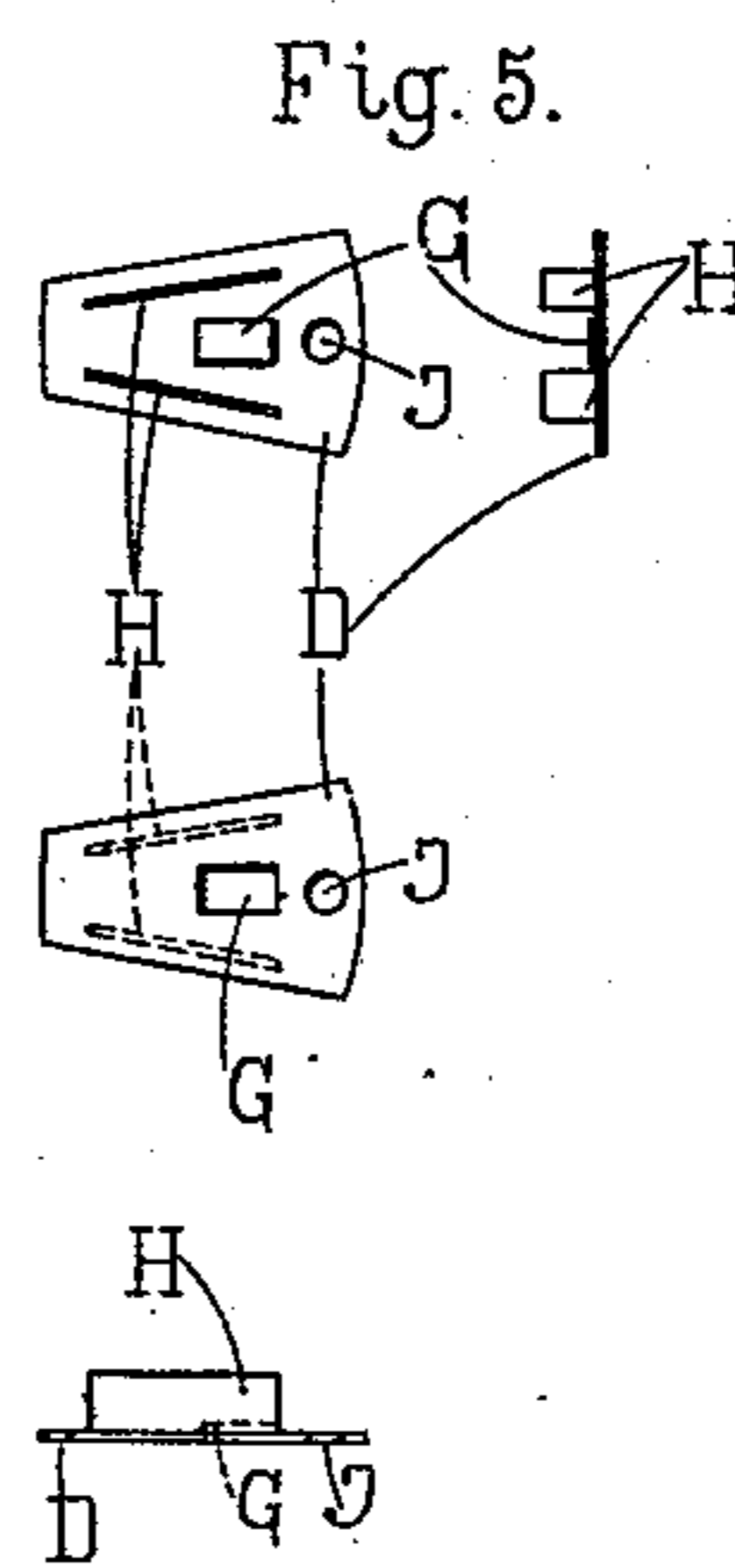
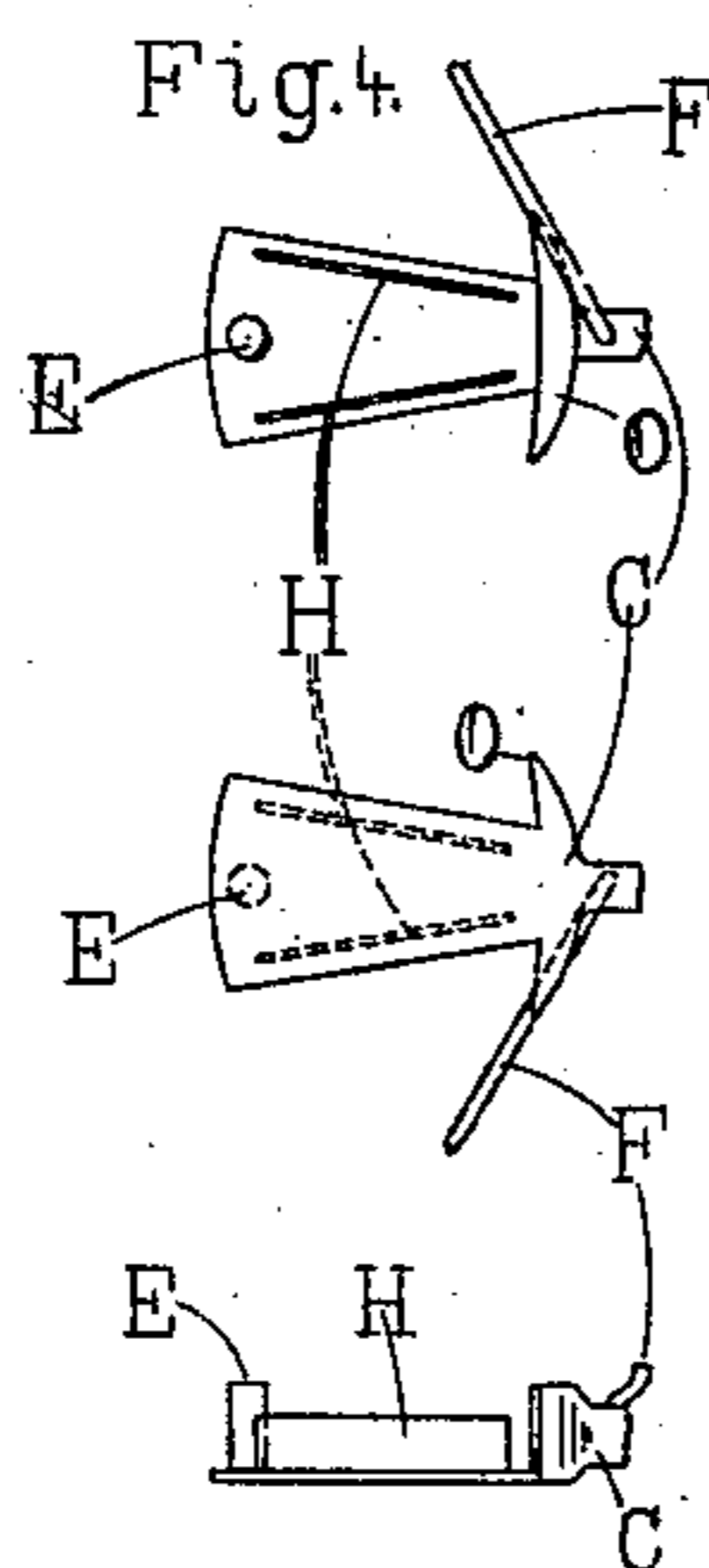
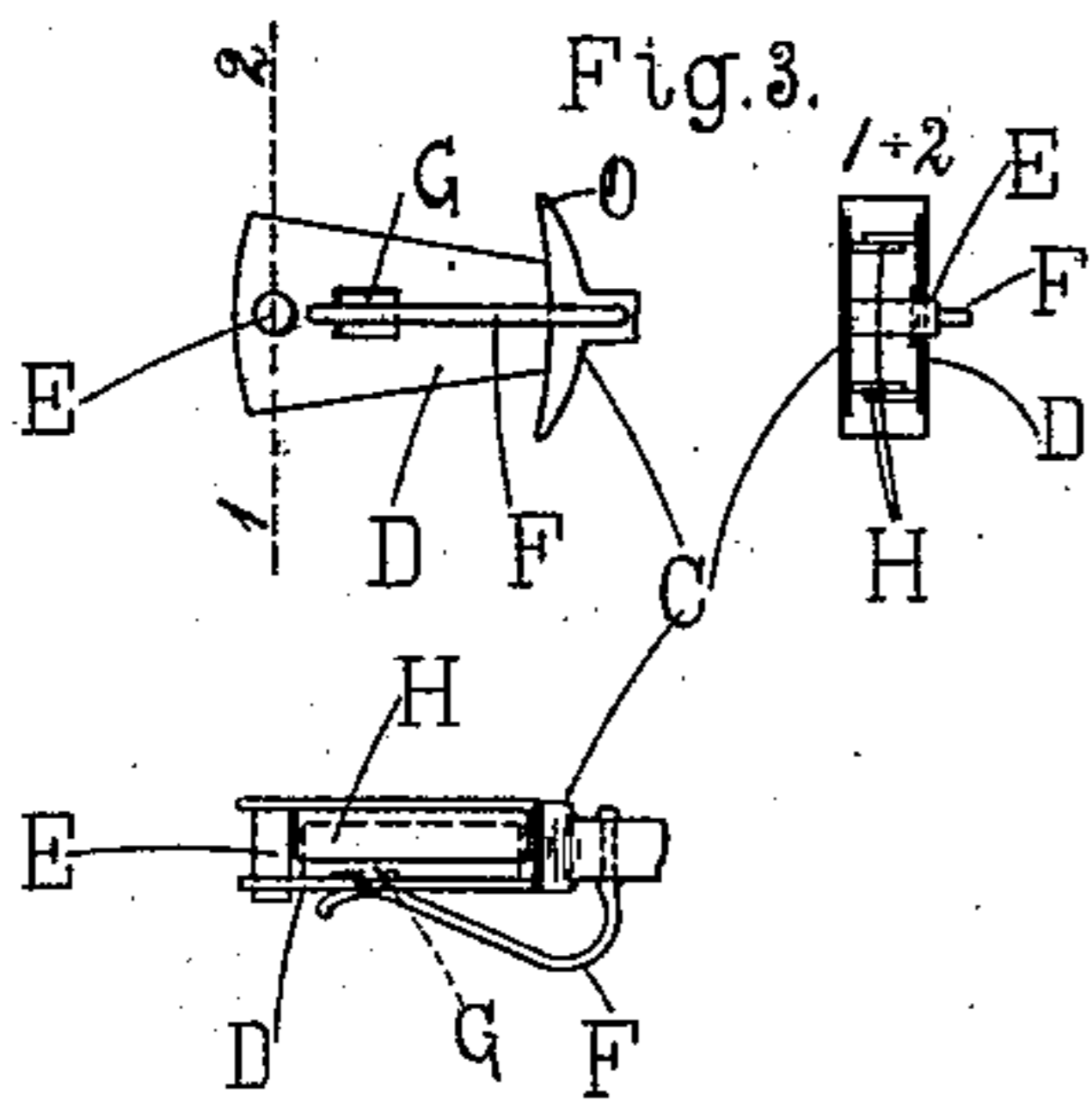
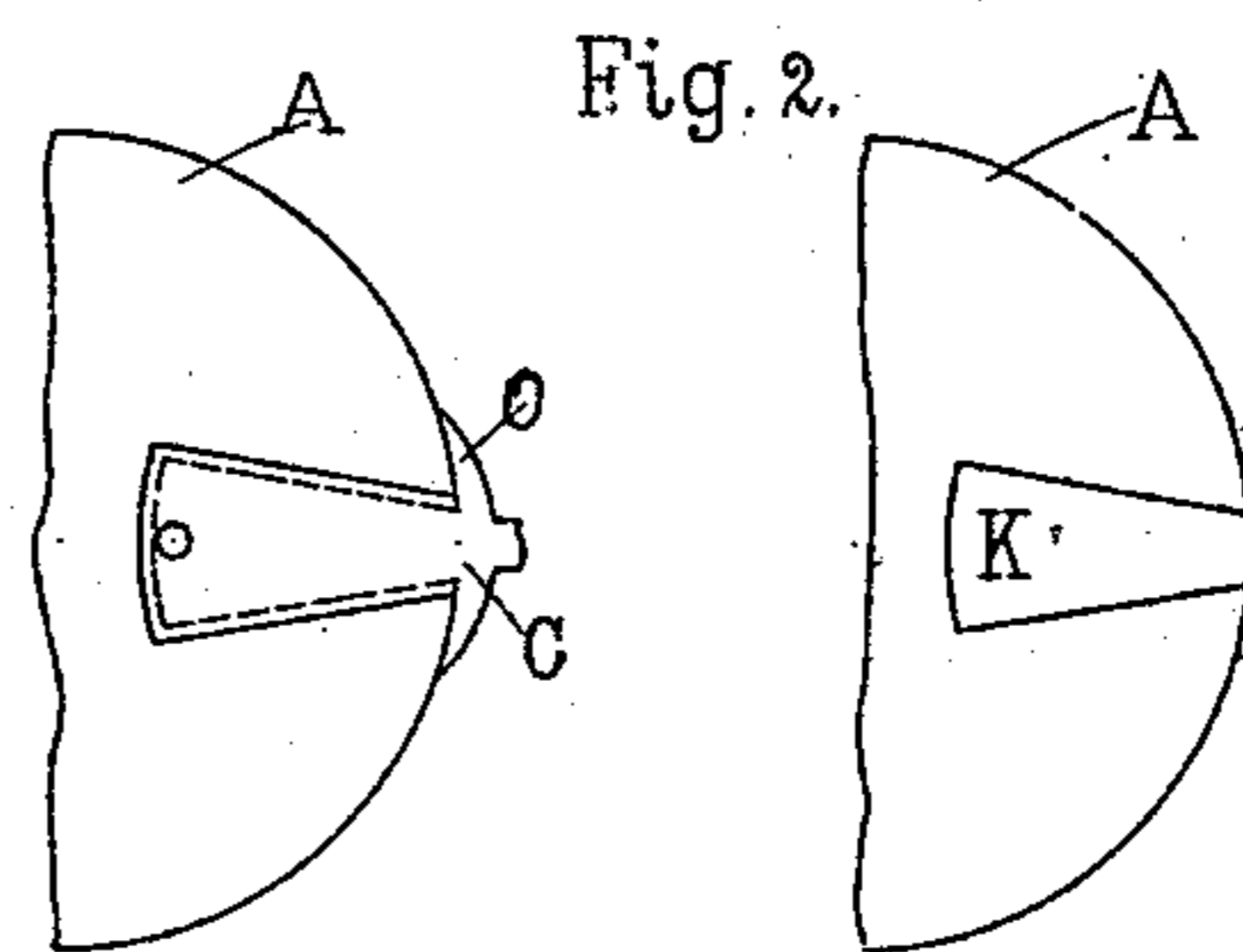
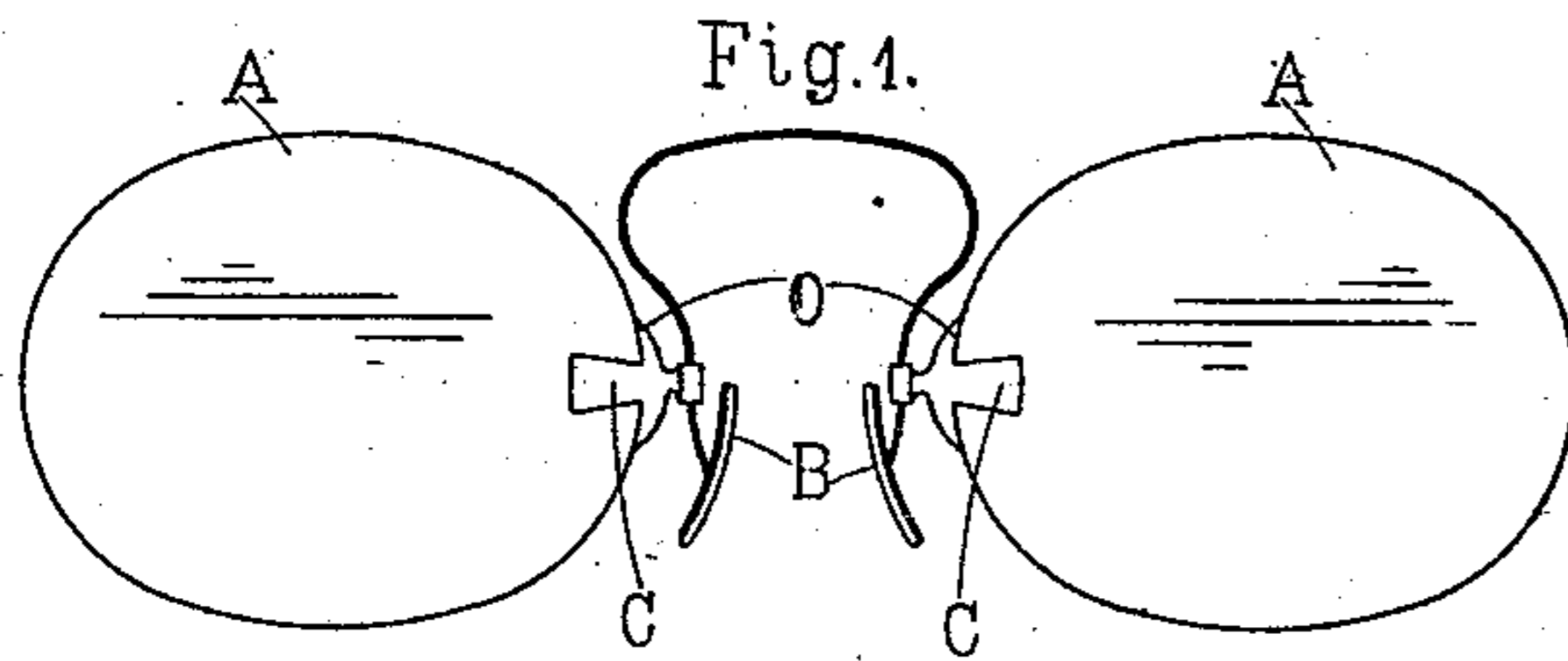
H. SCUDDER & R. K. HOHMANN.

ADJUSTABLE LENS CLAMP.

APPLICATION FILED DEC. 2, 1907.

908,039.

Patented Dec. 29, 1908.



WITNESSES

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ADJUSTABLE LENS-CLAMP.

No. 908,039.

Specification of Letters Patent.

Patented Dec. 29, 1908.

Application filed December 2, 1907. Serial No. 404,653.

To all whom it may concern:

Be it known that we, HEWLETT SCUDDER and RICHARD KARL HOHMANN, joint inventors, citizens of the United States, and residents of San Diego, in the county of San Diego and State of California, (whose post-office address is San Diego, California,) have invented new and useful Improvements in Adjustable Lens-Clamps for Eyeglass-Frames.

This invention relates to combination mechanism for eye-glasses and has for its object to produce a simple, effective device of this character which may be readily applied to any class of lens, or eyeglass in general use, without necessitating any great change in the construction of the glasses.

With these and other objects in view, the invention comprises the novel features of construction and combination of parts more fully hereinafter described and claimed.

In the accompanying drawings, Figure 1 shows a pair of eye-glasses with the improved adjustable lens clamp attached complete for use. Fig. 2 shows two parts of eye-glasses, showing the notch in the glasses with and without clamp. In Fig. 3 are three views of the eye-glass clamp appliance, showing the side elevation and top or front view, also an end sectional view, as cut in two on lines 1—2 for the purpose of showing more distinctly the pin which is a support to the clamp. Fig. 4 shows two side elevations, as front or back, and also a top view of the main part of the clamp. Fig. 5 shows view inside and outside, and the top view and front elevation of the cover plate of the clamp. Fig. 6 shows another kind of lens clamp, which fastens in a small hole in the eye-glass or lens, such as used now for clamp attached by ordinary screw fastening. Fig. 7 show stop side and front views of this clamp. Fig. 8 shows the loose plate of the clamp.

Similar letters refer to similar parts throughout the several views.

A are the lenses, B the nose guard and C the main part of the clamp, which may be applied either in front or back of lens as the case may demand, but is for convenience to be applied as shown in the drawings.

D is a coverplate, and is attached to the opposite side of the main part C, and is provided with a hole T, that fits snug to pin E, said pin E being secured to the main part C.

F is an adjustable spring which turns on

a pivot at one end, connected to the main part C, and is intended to rest in notch G of plate D when the clamp is properly connected to lens for service. The main part C and plate D are provided with rims or flanges H which adjust the clamp in the notch K of the lens.

In Fig. 2 are shown a part of a lens having the notch K and also a part of the lens with the clamp attached. The spring F when drawn to the center of plate D rests firmly in notch or groove G, and is arranged with sufficient spring to take up the loose motion between the main part C and the cover plate D and also allows the different parts to yield to a strain that might be brought to bear on the lens or glass when dropped, or strained by other means, and which if they were constructed in a rigid form would cause the breakage of the glasses or lens, this being the object of the spring adjustment to prevent any breakage from jar or strain due to accident.

Pin E that is inserted in hole T, when plate D is connected in its proper position has a slotted end Y to adapt it to be spread to form a spring to take up lost motion and cause the pin to fit tight in hole T when connected for use.

O is the shoulder of the main part C of the eye-glass clamp which is intended to be made curved to fit on to different sized glasses, and the connection with the flanges H allows it to give when strain is brought upon it, and thus prevent the glass from breaking because of sudden jar.

In Fig. 6 another form of a lens clamp is shown with the main part C₁ attached that illustrates the form of clamp to be used with the ordinary hole N₁ in lens as now used for screw. Plate D₁ is provided with a projection L at one end which when placed in proper position is inserted into a notch X at the shoulder of the main part C₁, that prevents plate D₁ from slipping either way and with these changes and also omitting flanges H the main part C₁ and plate D₁ are practically the same as shown in Figs. 3, 4, and 5 as C and D.

It is obvious from the foregoing that there is produced an extremely simple mechanism in which the different parts of the combination eye-glass clamp are so arranged as to work harmoniously in conjunction with each other for the protection of the eye-glass and to prevent the glass from being broken

by a strain or jar that might be caused from the fall of the glasses or otherwise, and at the same time provide an appliance that is strong and self adjusting, free from loose motion, and may with slight changes be applied to different forms of glasses.

In attaining these ends it is to be understood that minor changes in the form, proportions and general assemblage of the parts herein set forth may be resorted to without departing from the spirit of the invention.

Having thus described our invention, what we claim as new and patentable is,

1. An eye-glass clamp comprising a main plate having a curved projection forming a shoulder adapted to fit a lens, flanges adapted to adjust the clamp in a notch of the lens, a pin secured thereto, and an adjustable spring pivoted to the plate, a cover plate having a slot adapted to receive the spring to hold the cover plate in position, and also a hole to receive the pin, the said pin having a slotted end to adapt it to be spread to form a spring to take up lost motion.

2. An eye-glass clamp comprising a main plate having a curved projection forming a shoulder adapted to fit a lens, flanges adapted to adjust the clamp in a notch of the lens, a pin secured thereto, and an adjustable spring pivoted to the plate, a cover plate having a slot adapted to receive the spring to hold the cover plate in position, flanges adapted to adjust the clamp in a notch of the lens and also a hole to receive the pin, the said pin having a slotted end to adapt it to be spread to form a spring to take up lost motion.

3. An eye-glass clamp comprising a main plate having a curved projection forming a shoulder adapted to fit a lens, flanges adapted

to adjust the clamp in a notch of the lens, an adjustable spring pivoted to the plate and also a hole to receive a pin, the said pin having slotted ends to adapt it to be spread to form a spring at each end to take up lost motion, a cover plate having a slot adapted to receive the spring to hold the cover plate in position and also a hole to receive the pin.

4. An eye-glass clamp comprising a main plate having a curved projection forming a shoulder adapted to fit a lens, a notch at the shoulder adapted to receive a projection, a pin, secured thereto, and an adjustable spring pivoted to the plate, a cover plate having a slot adapted to receive the spring to hold the cover plate in position, a projection adapted to be inserted in the notch, and also a hole to receive the pin, the said pin having a slotted end to adapt it to be spread to form a spring to take up lost motion.

5. An eye-glass clamp comprising a main plate having a curved projection forming a shoulder adapted to fit a lens, a notch at the shoulder adapted to receive a projection, and an adjustable spring pivoted to the plate and also a hole to receive a pin, the said pin having slotted ends to adapt it to be spread to form a spring at each end to take up lost motion, a cover plate having a slot adapted to receive the spring to hold the cover plate in position, a projection adapted to be inserted in the notch, and also a hole to receive the pin.

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