

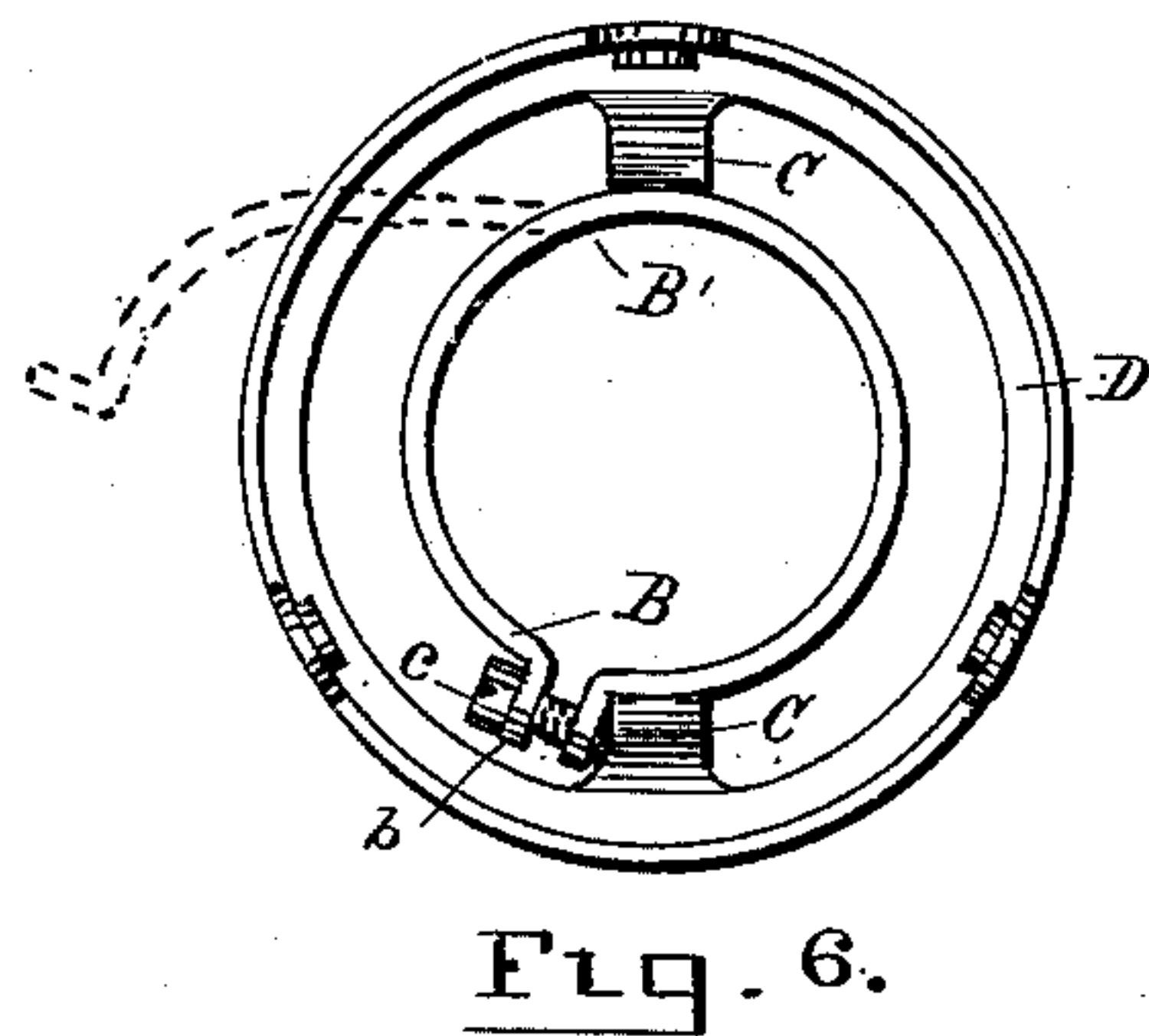
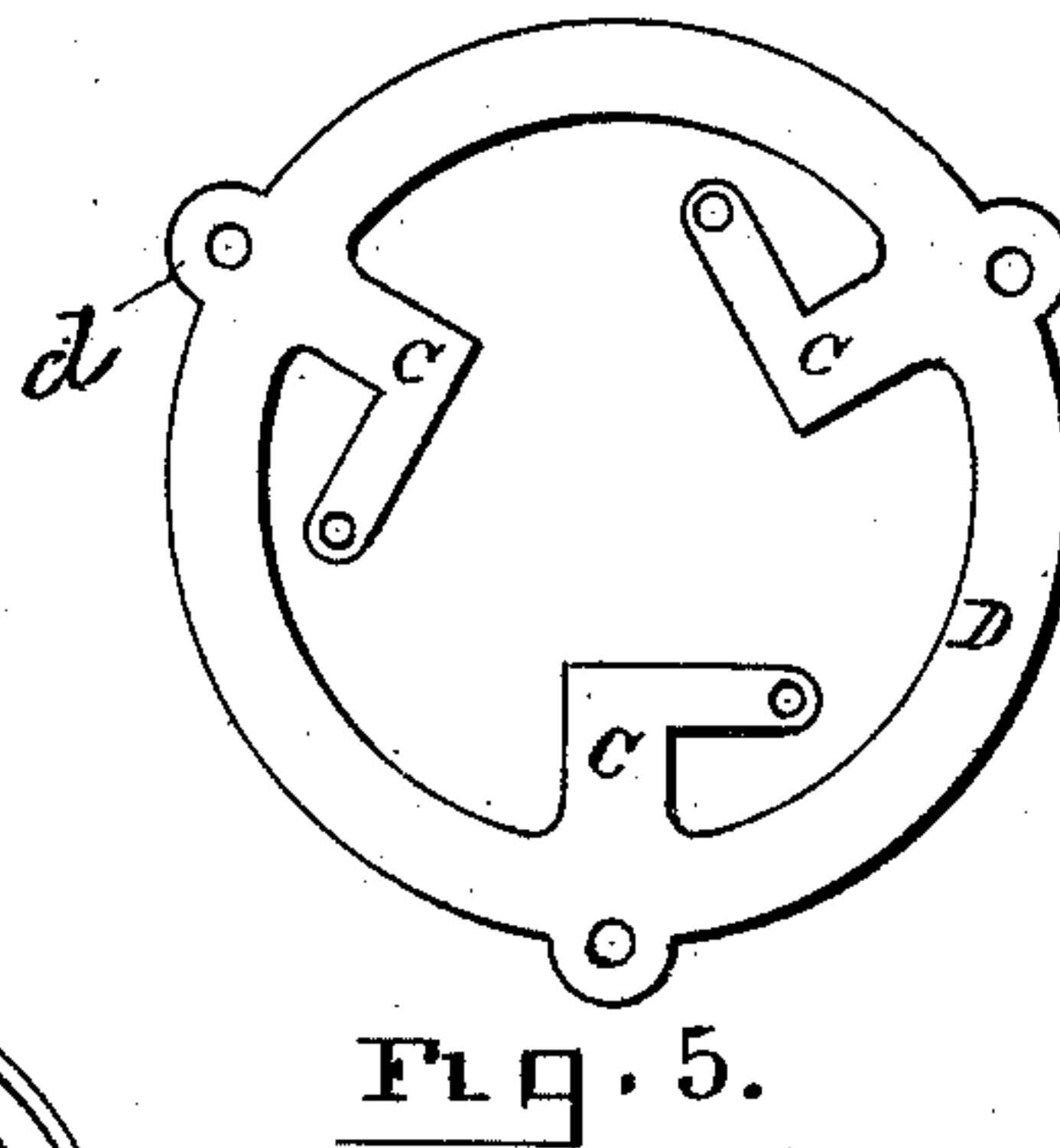
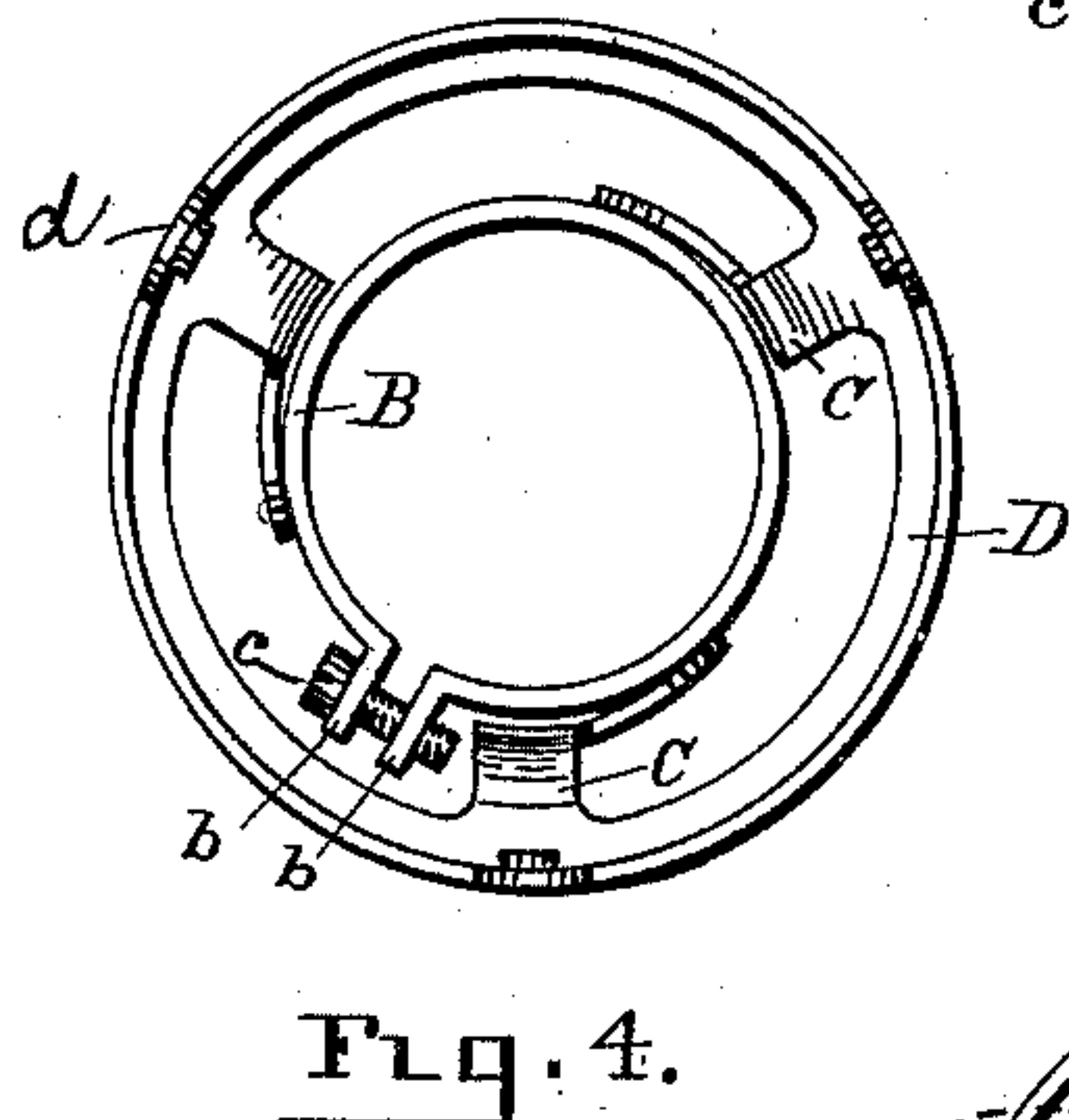
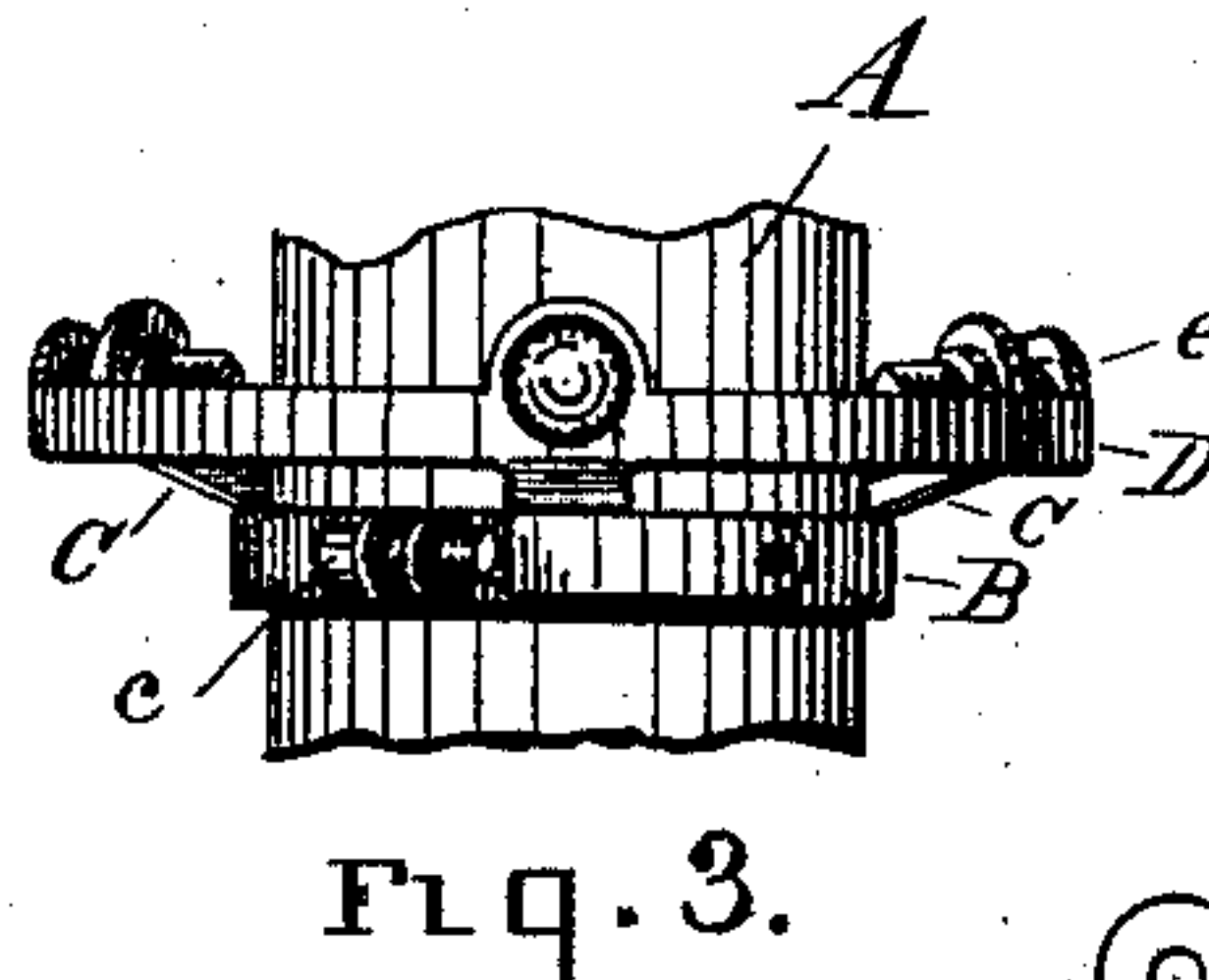
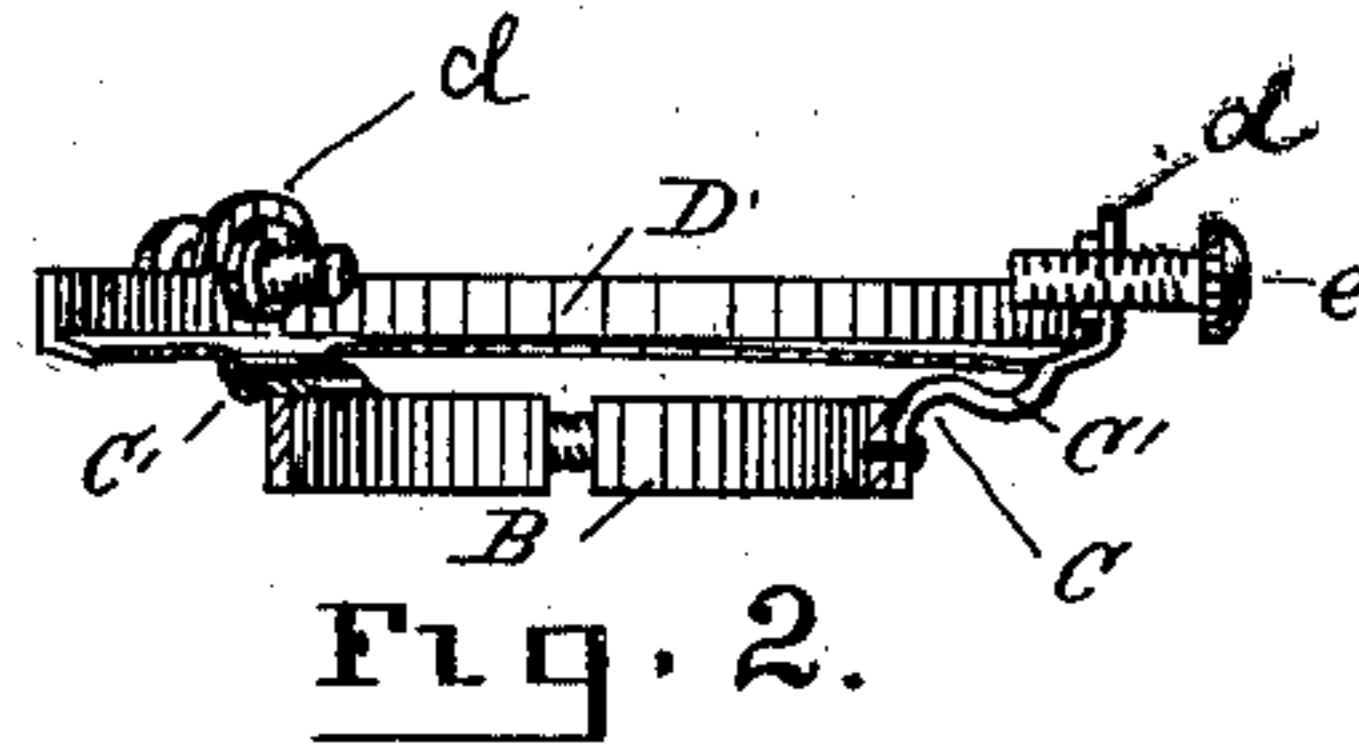
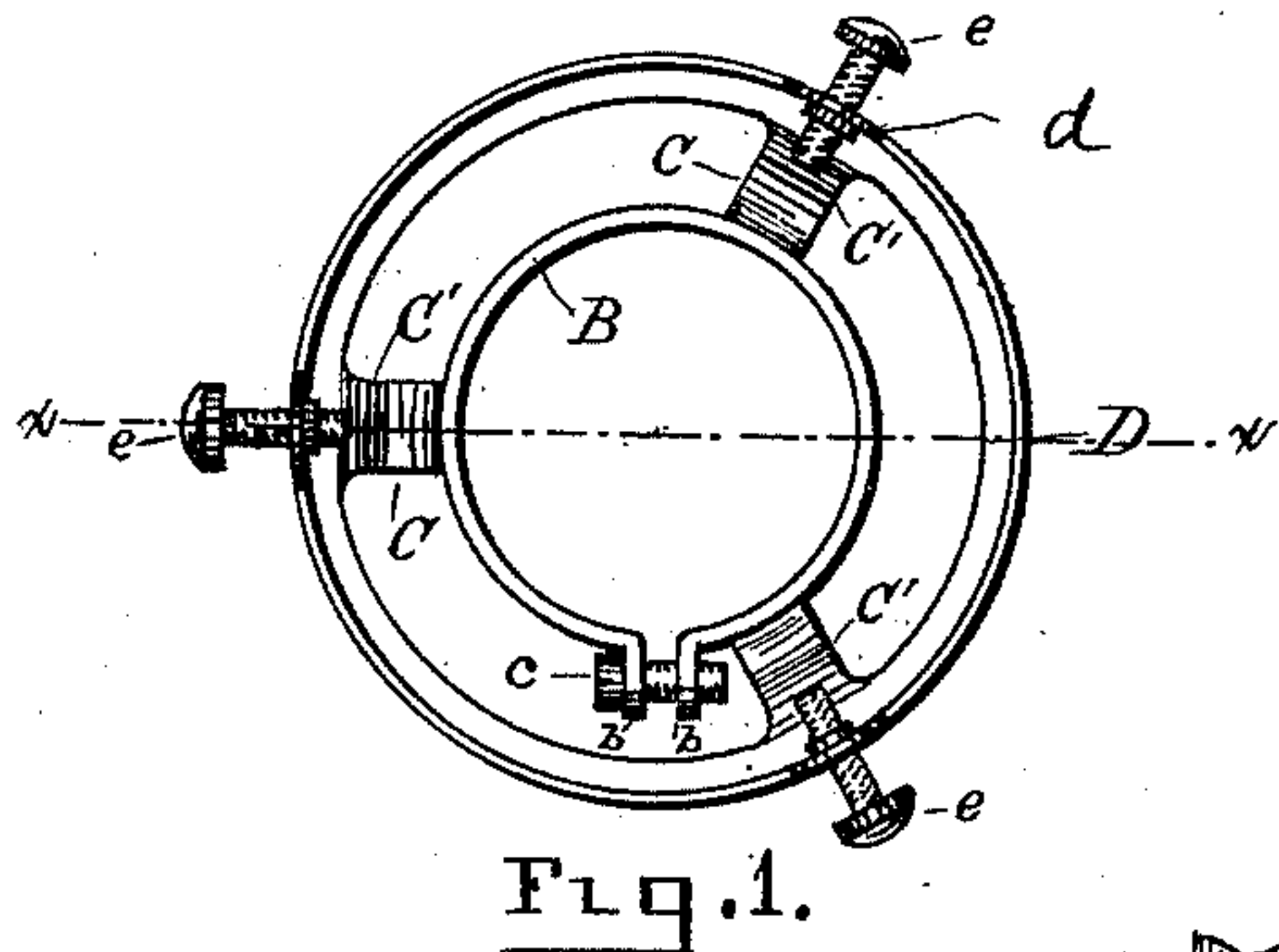
(No Model.)

E. P. GLEASON & E. F. GENNERT.

SHADE OR GLOBE HOLDER FOR LAMPS.

No. 385,453.

Patented July 3. 1888.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ELLIOTT P. GLEASON AND EMIL F. GENNERT, OF BROOKLYN, NEW YORK.

SHADE OR GLOBE HOLDER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 385,453, dated July 3, 1888.

Application filed December 2, 1887. Serial No. 256,726. (No model.)

To all whom it may concern:

Be it known that we, ELLIOTT P. GLEASON and EMIL F. GENNERT, citizens of the United States of America, and residents of the city of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Shade or Globe Holders for Lamps or Lighting Fixtures, of which the following is a specification.

Our invention relates to shade or globe holders for lamps or lighting fixtures, and has for its object the production of a shade or globe holder that can be struck up out of sheet metal into a form that will admit of the expanding or contracting of the adjustable center or band by which it is secured to the neck or collar of the lamp, and the further object of simplifying construction and cheapening the cost of manufacture.

Our invention, consisting in the means by which we attain these objects, will more fully appear in the following specification, of which the accompanying drawings form a part.

Figure 1 is a plan view of a completed shade or globe holder; Fig. 2, a central section on the plane $x x$ of Fig. 1, the position being reversed. Fig. 3 is a side elevation showing a portion of a lamp collar and the manner of clamping the shade-holder thereon. Fig. 4 is a plan view of our shade or globe holder in a more approved form. Fig. 5 is a completed blank of sheet metal of proper shape to be struck up into the form of Fig. 4. Fig. 6 is a plan view of another form.

Like letters designate like parts in all the figures.

A represents a neck or collar of lamps such as are to be found on sale for electric, gas, or other means of lighting. The necks or collars in many of such lamps are plain cylinders, but in some they are provided with a shoulder or have bead projections, between which the center or band of the shade or globe holder is attached. A variation is also found in the diameter of different makes, so it has been found necessary to provide the shade or globe holder with a flexible or elastic center or band which is capable of adjustment. B, representing this band, is struck from sheet metal having a springy nature. Its ends are bent at right angles to form the lugs $b b$, which are adapted to

receive and engage a set screw, c . It is then bent in the annular form shown and attached with rivets or other secure means to the inner side of the arms $C C$ of the shade or globe holder D , which, it will be observed, is a shading of sheet metal provided with lugs $d d d$, which are re-enforced by bosses and adapted to receive the set-screws $e e e$, by means of which the shade or globe is held in place.

In order to secure the greatest range of flexibility or elasticity for the band B , the arms $C C$, to which it is firmly attached, are so constructed and arranged that they also will have a springy or flexible nature, and the band B is positioned with one of its ends close to one of the said arms, so as to leave the other end long and free for greater range of elasticity or flexibility.

Two methods of securing the quality of elasticity or flexibility to the arms $C C$ are shown in the drawings. As they extend inward radially, they curve somewhat in ogee form, as shown at C' , Figs. 1 and 2, (one or more angles instead of curves would have equivalent effect;) or, as may be preferred, the arms $C C$ are formed L-shaped, as in the blank shown by Fig. 5, which, when "struck up" between proper forming-dies, gives them a transverse angular direction extending parallel with the band B , as shown in Fig. 4. In either case the ends of the said arms attaching to band B are free to move with it to a limited extent, thus affording a greater range of adjustability to the band B . Fig. 6 shows the adaptability of this construction for attachment to the necks of lamps having the beaded projections.

It will be seen that if the set-screw c is removed the free end of the band B may be bent outward at the point B' , as shown by dotted lines, sufficient to allow it to be slipped sideways over the neck of the lamp, when it can be bent back to place and firmly secured to the lamp-neck by reinserting and tightly engaging the set-screw c , the yielding of the arms $C C$ greatly facilitating the operation.

To place the shade or globe holder on the other forms of lamp-collars, the band B is slipped endwise and the set-screw tightened, the flexible or elastic nature of the arms $C C$ and band B permitting such adjustment as is necessary to accommodate differing diameters

of lamp necks or collars. The simplicity consists in that by the construction described the shade-ring, with its lugs *d d d* and the arms *CC*, are but one piece, being cut by punch and die from suitable sheet metal, and a blank is formed which is pressed between forming-dies into the finished sheet. This process of manufacture (as is well known) is comparatively of small cost, and we are thereby enabled to manufacture the same cheaply.

Having thus described our invention, what we claim as new, and desire to secure by letters patent, is—

1. In holders for lamps or shades, a shade-ring provided with suitable means for attaching a globe or shade and having curved elastic or flexible arms, as *CC*, extending inward, in combination with a separate center or band, as *B*, attached to the inner end of said arms, which band is of elastic or flexible nature, and provided with lugs, as *b b*, and set-screw, as *c*, arranged and constructed substantially in the manner and for the purpose set forth.

2. In holders for lamps, shades, or globes, a shade-ring provided with suitable means for attachment to a globe or shade and having two or more inwardly-extending curved arms, in combination with a separate band, as *B*, at-

tached to the inner end of said arms, which band is severed and provided with means for adjustment to larger or smaller diameters, and so positioned with one of its ends close to one of the arms that the other end will include a long free portion of the said band extending past the other of the arms, in the manner shown, and for the purpose set forth.

3. In a globe or shade holder for lamps or lighting fixtures, a shade-ring provided with lugs, as *d d d*, and inwardly-extending integral arms, as *CC*, the inner ends of which are bent to extend circumferentially, in combination with a severed band, as *B*, which is firmly attached to the inner end of said arms *CC*, and which is provided with the lugs *b b* and set-screw *c*, adapting it for adjustment to the varying diameters of lamp necks or collars, substantially as and for the purpose described.

In testimony that we claim the foregoing as our invention each one has signed his name, in presence of two witnesses, this 29th day of November, 1887.

ELLIOTT P. GLEASON.
EMIL F. GENNERT.

Witnesses:

J. F. CUNNINGHAM,
F. W. BELMONT.