

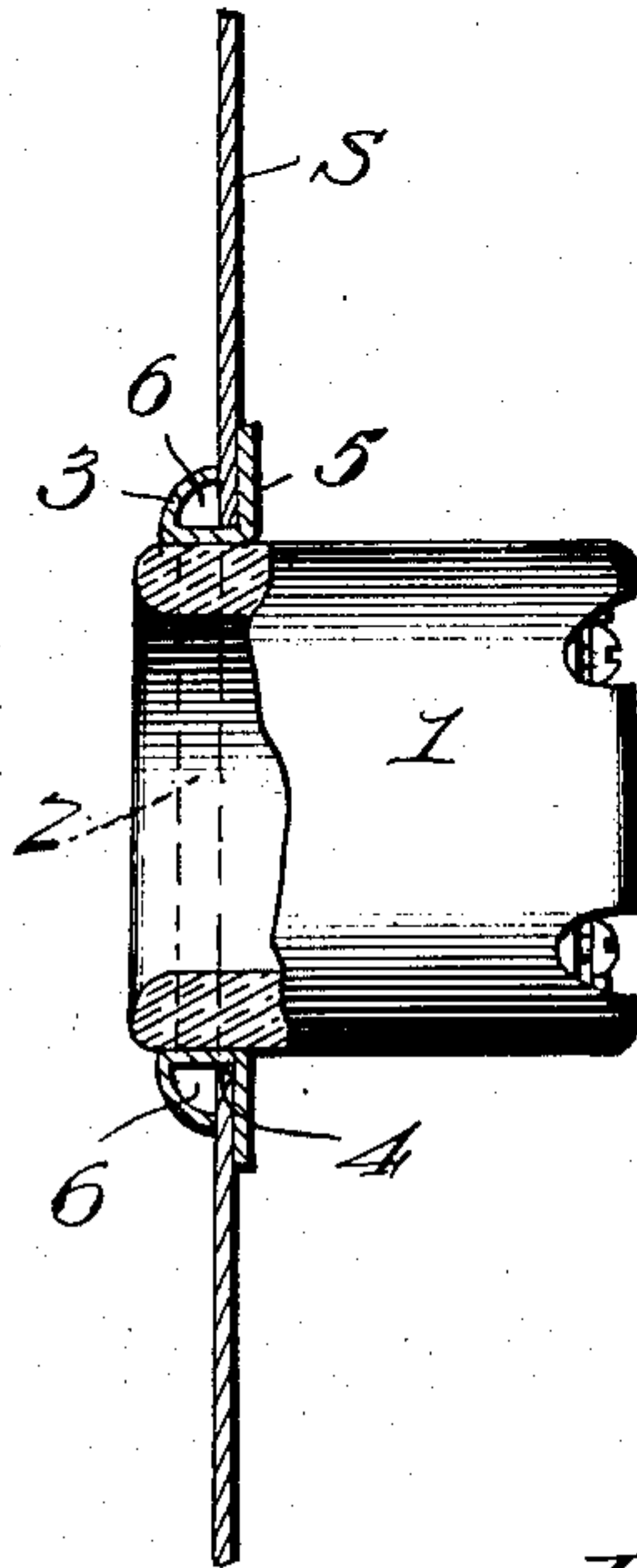
F. J. RUSSELL.  
SIGN RECEPTACLE FASTENING EYELET.  
APPLICATION FILED OCT. 26, 1909.

973,568.

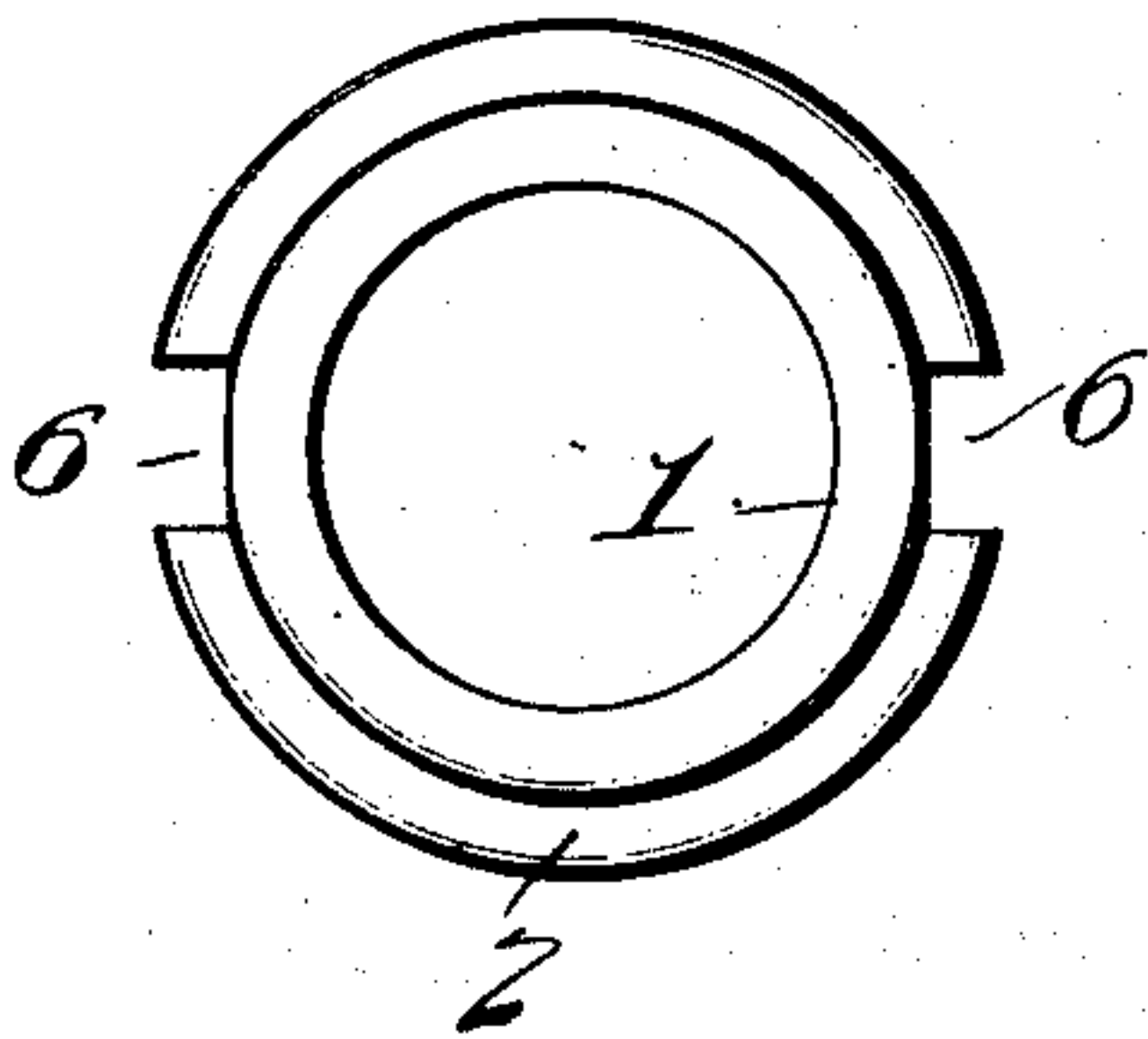
Patented Oct. 25, 1910.

3 SHEETS—SHEET 1.

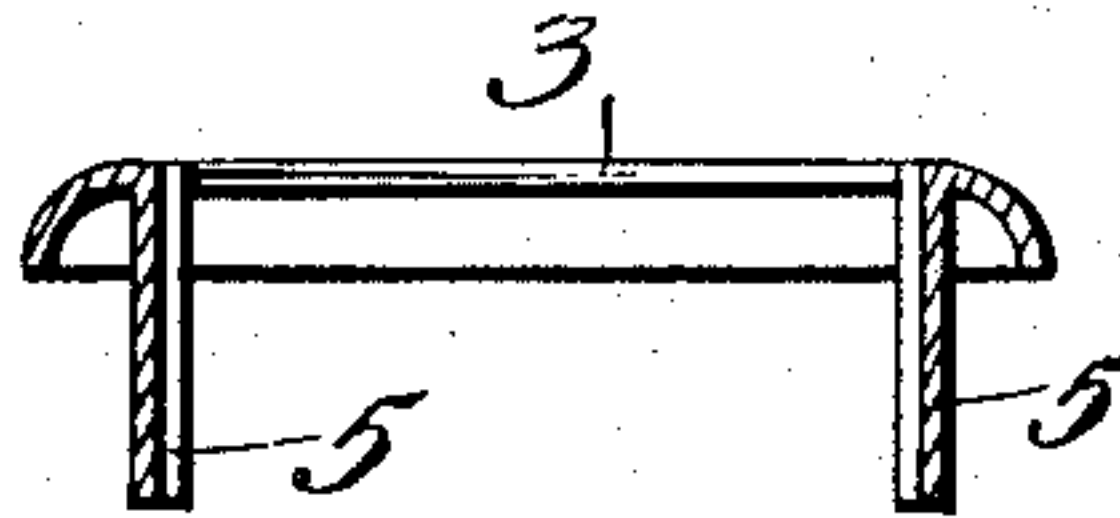
*Fig. 1.*



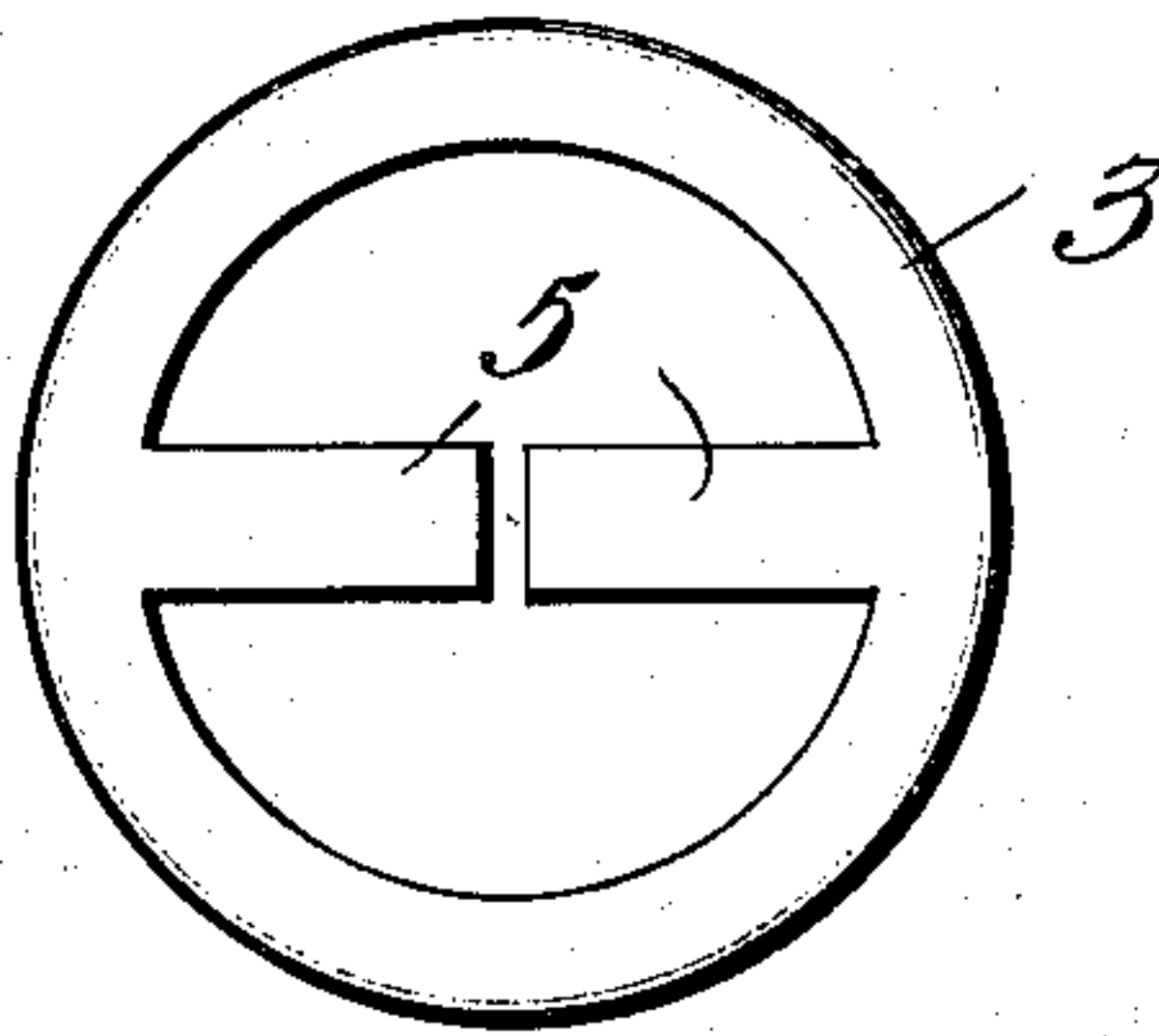
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses

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3 SHEETS—SHEET 2.

Fig. 5.

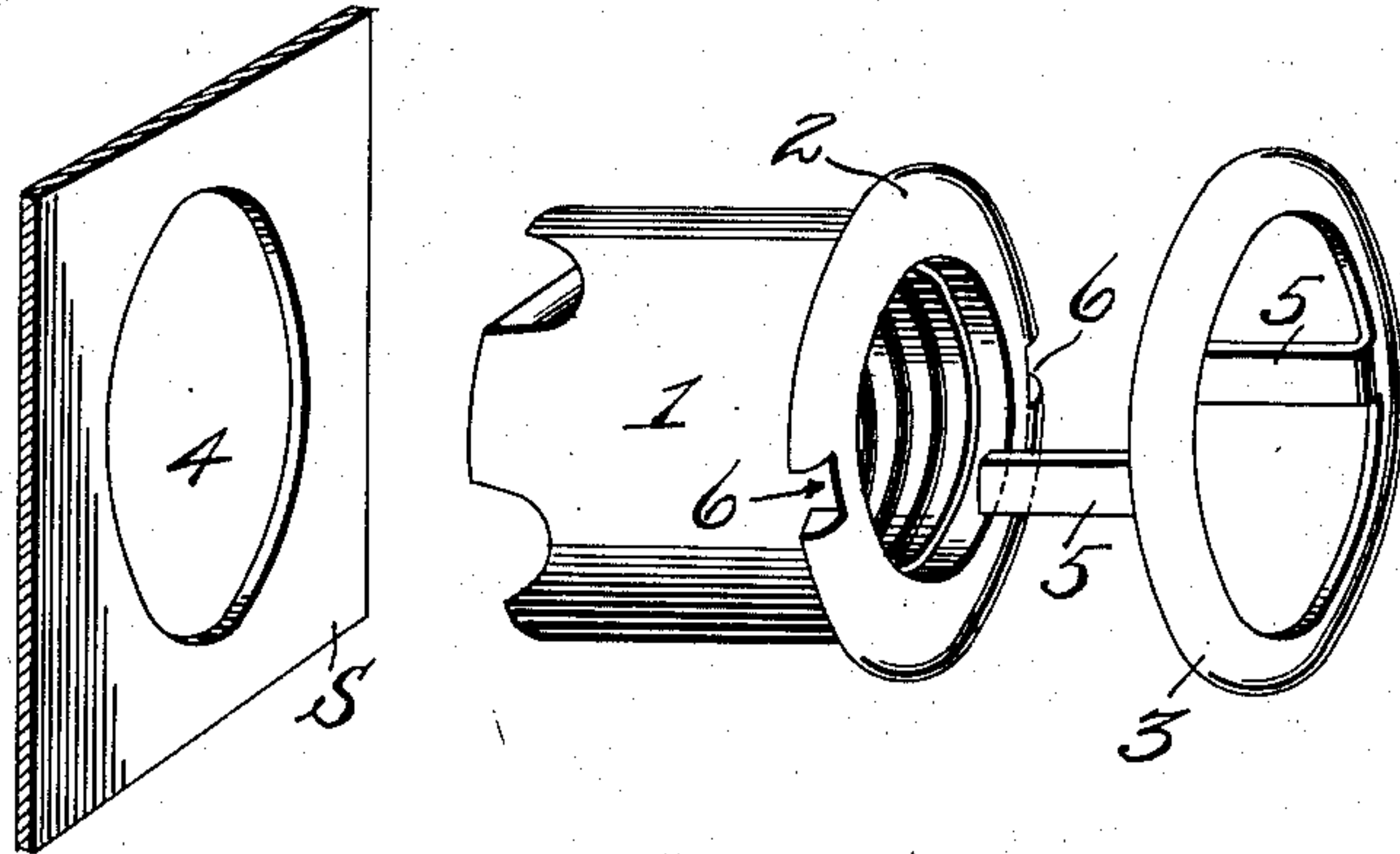


Fig. 6.

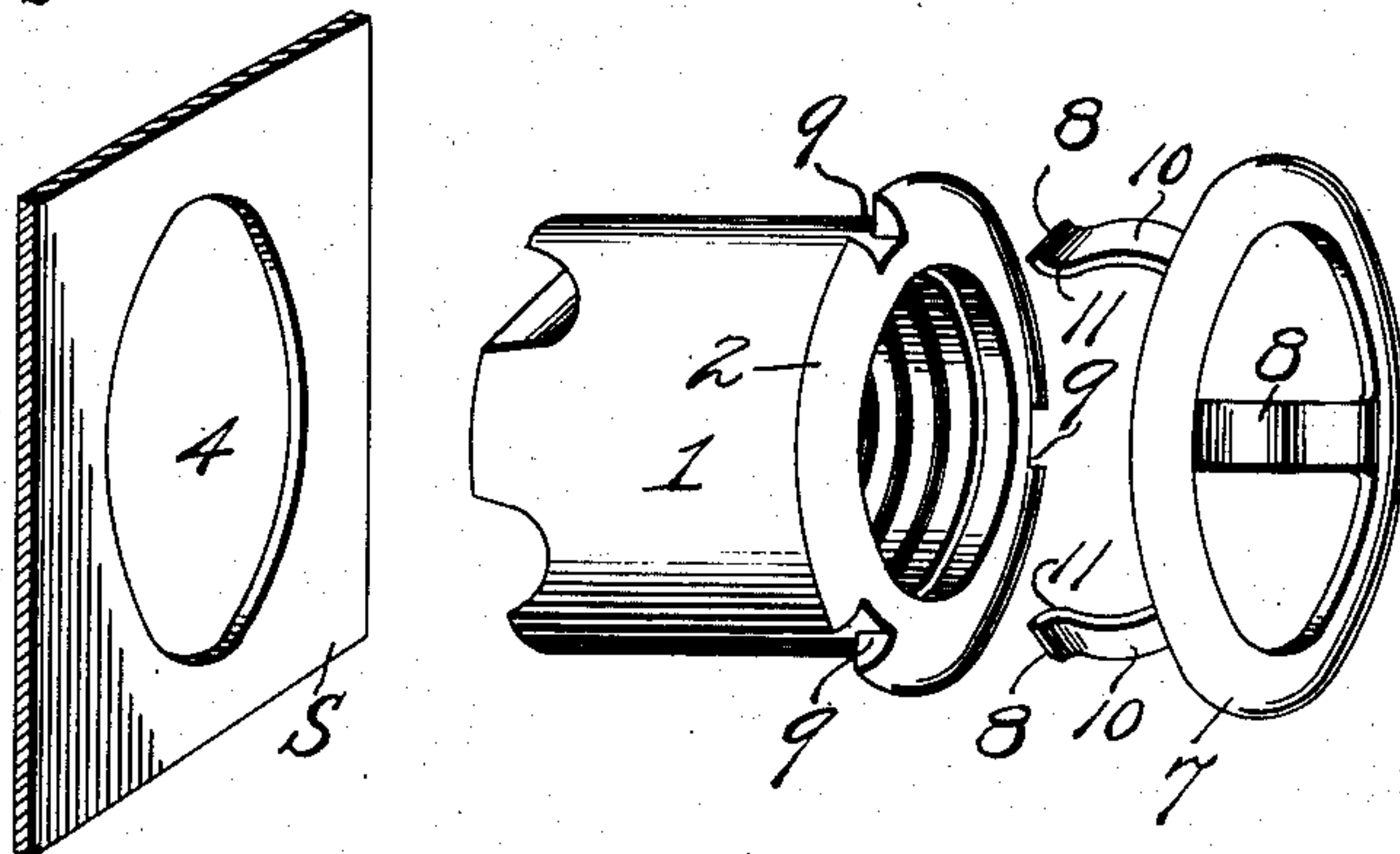


Fig. 10.

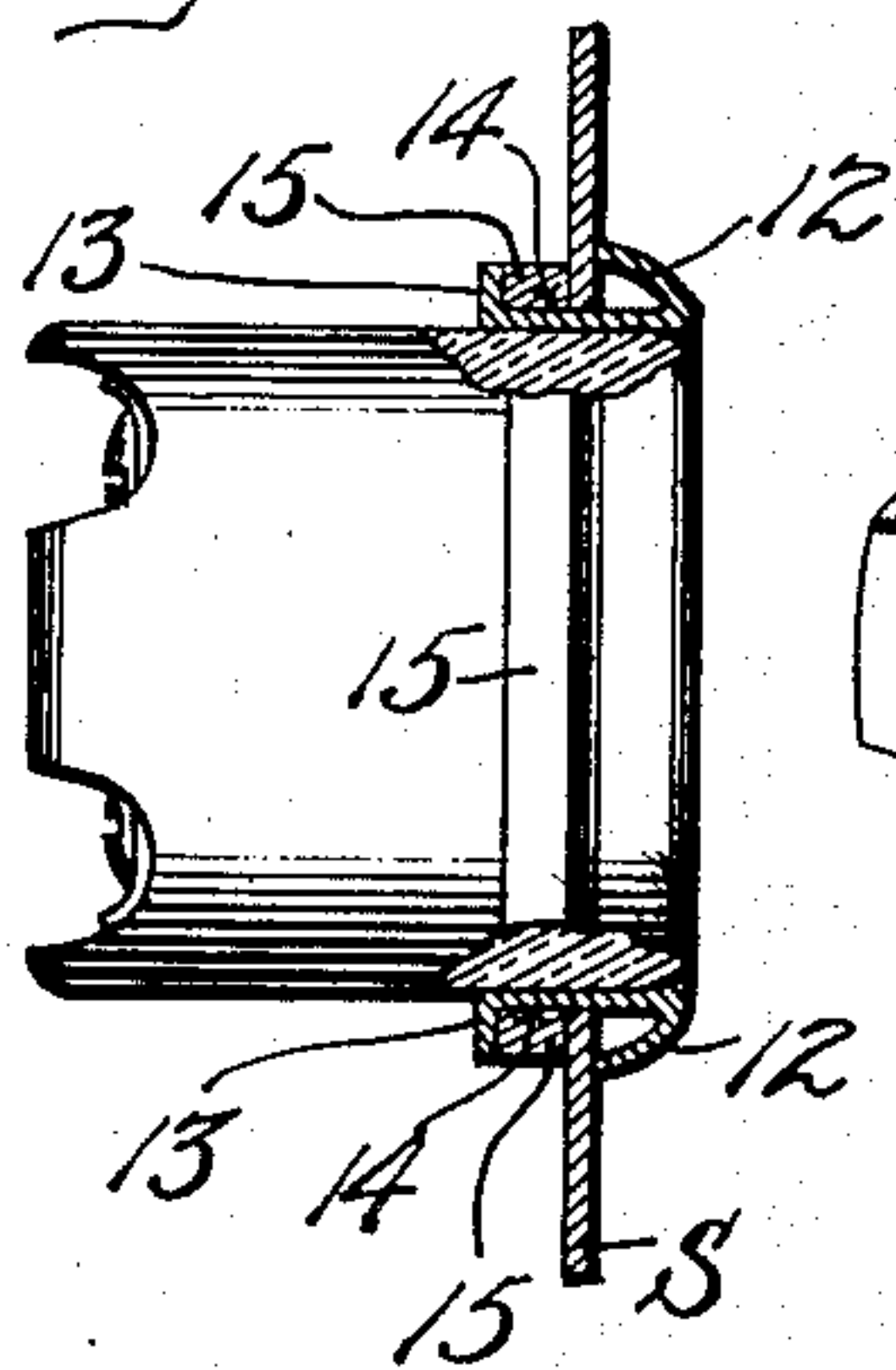
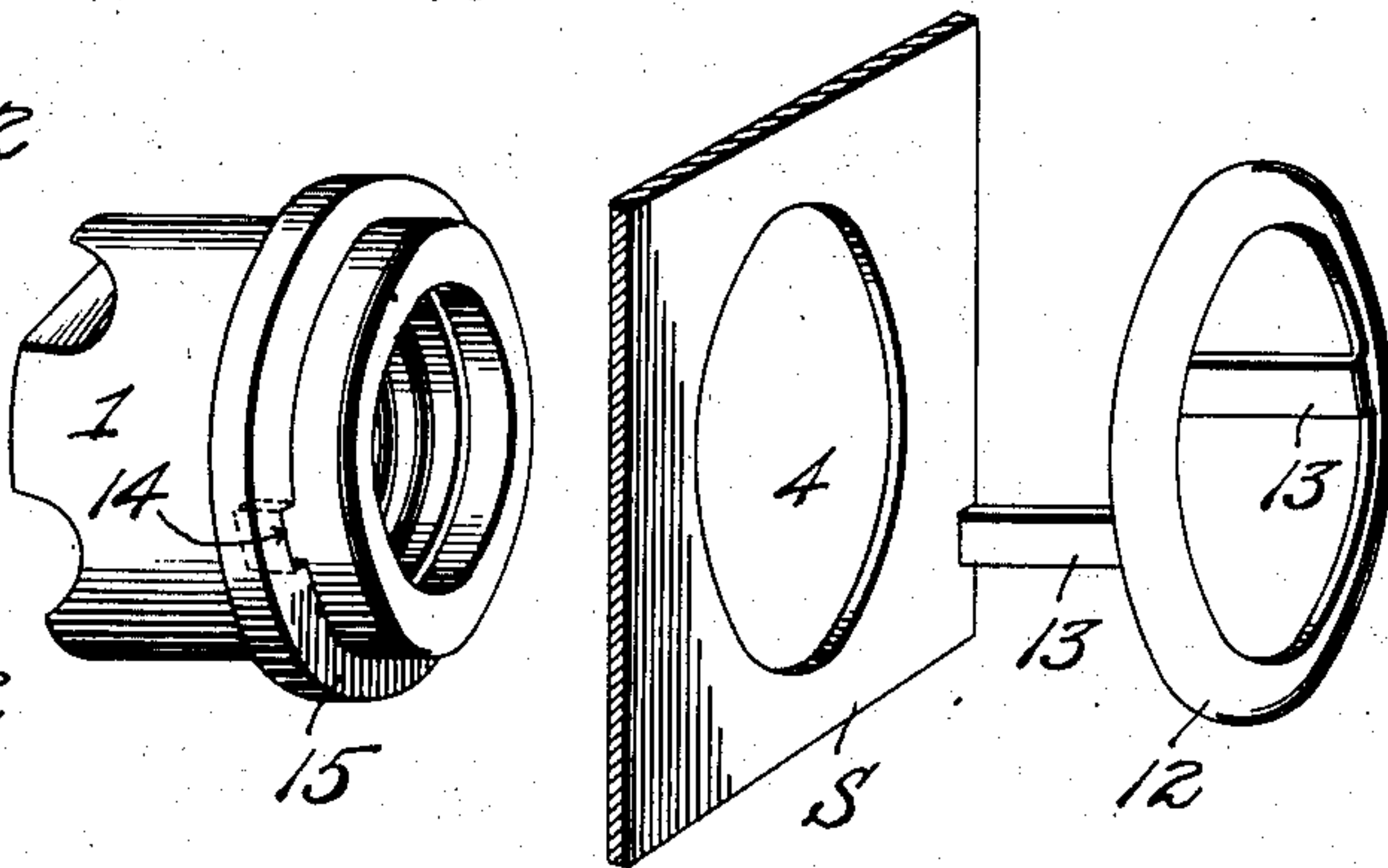


Fig. 11.



Witnesses

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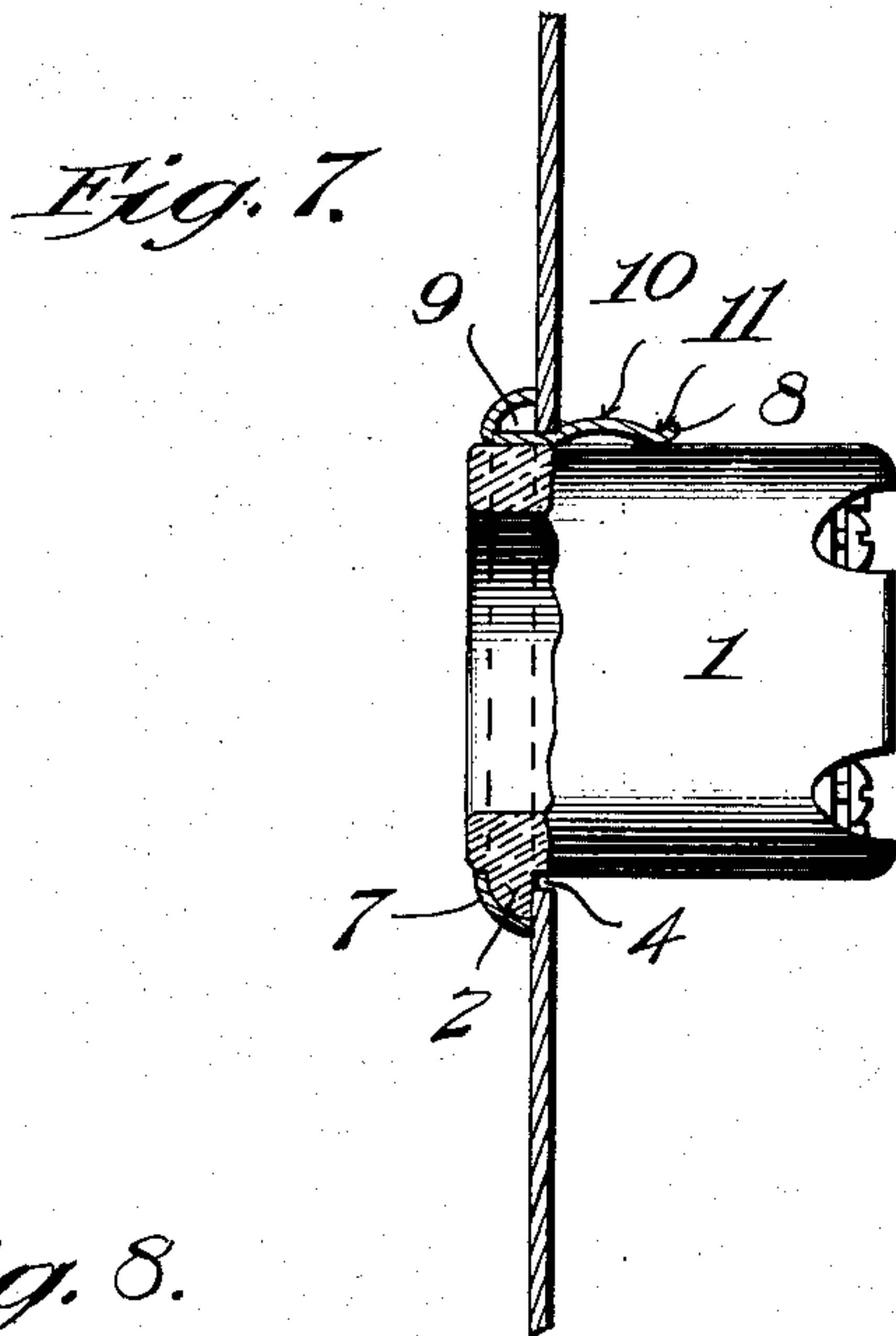
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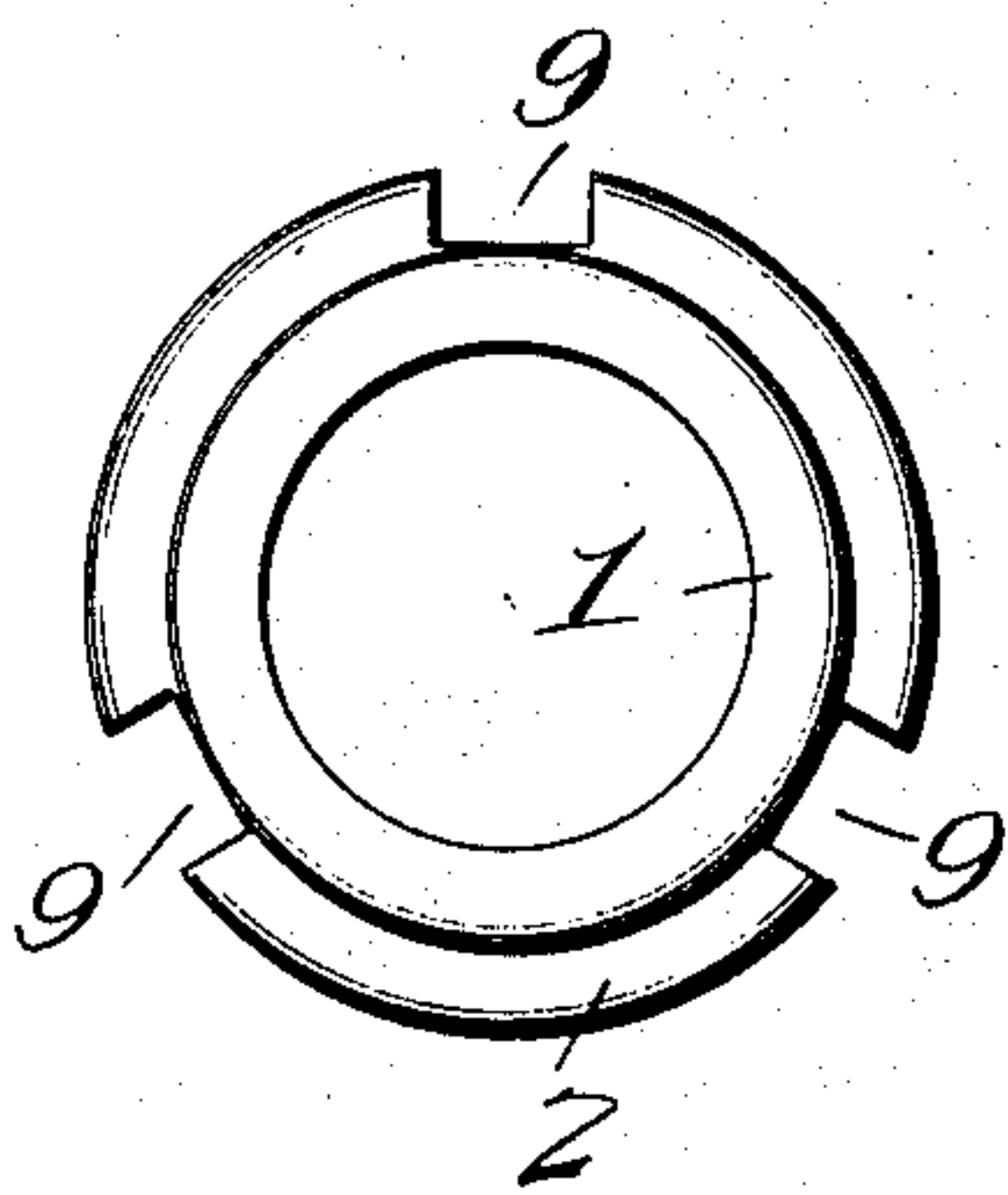
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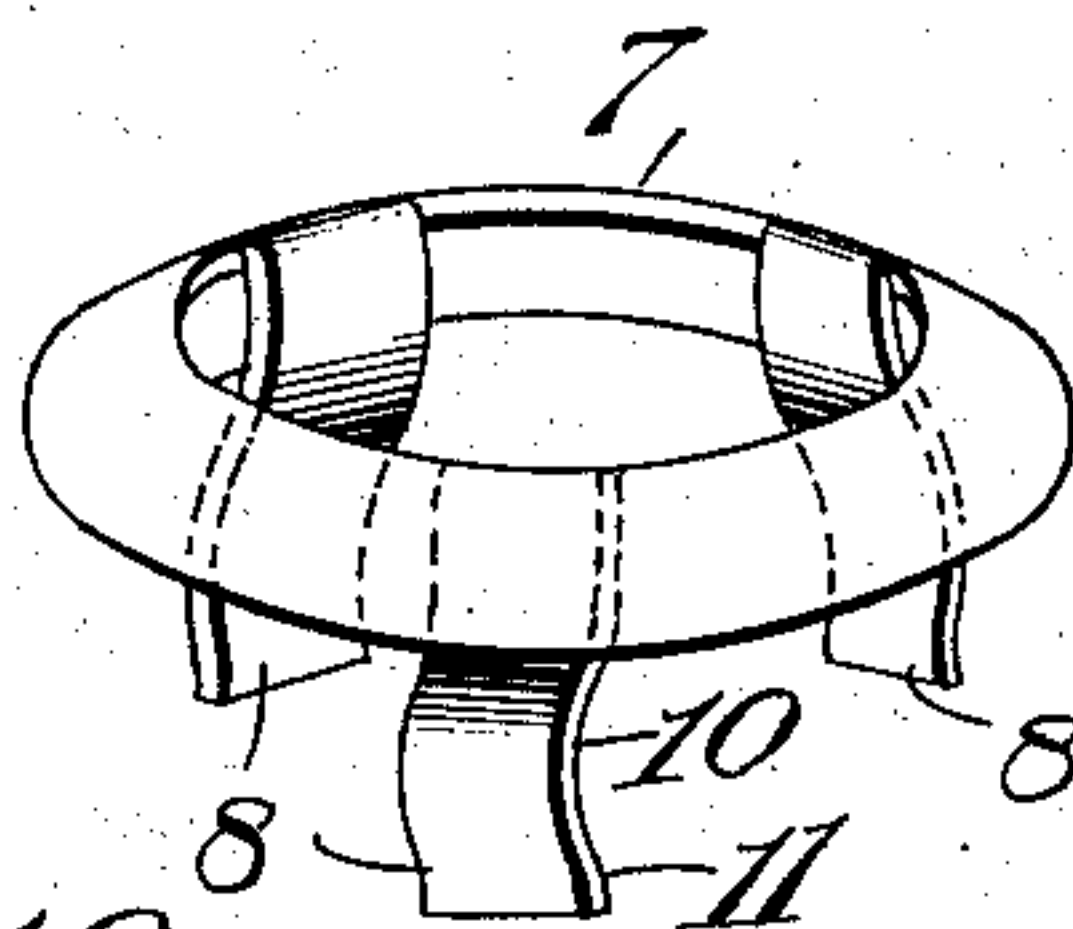
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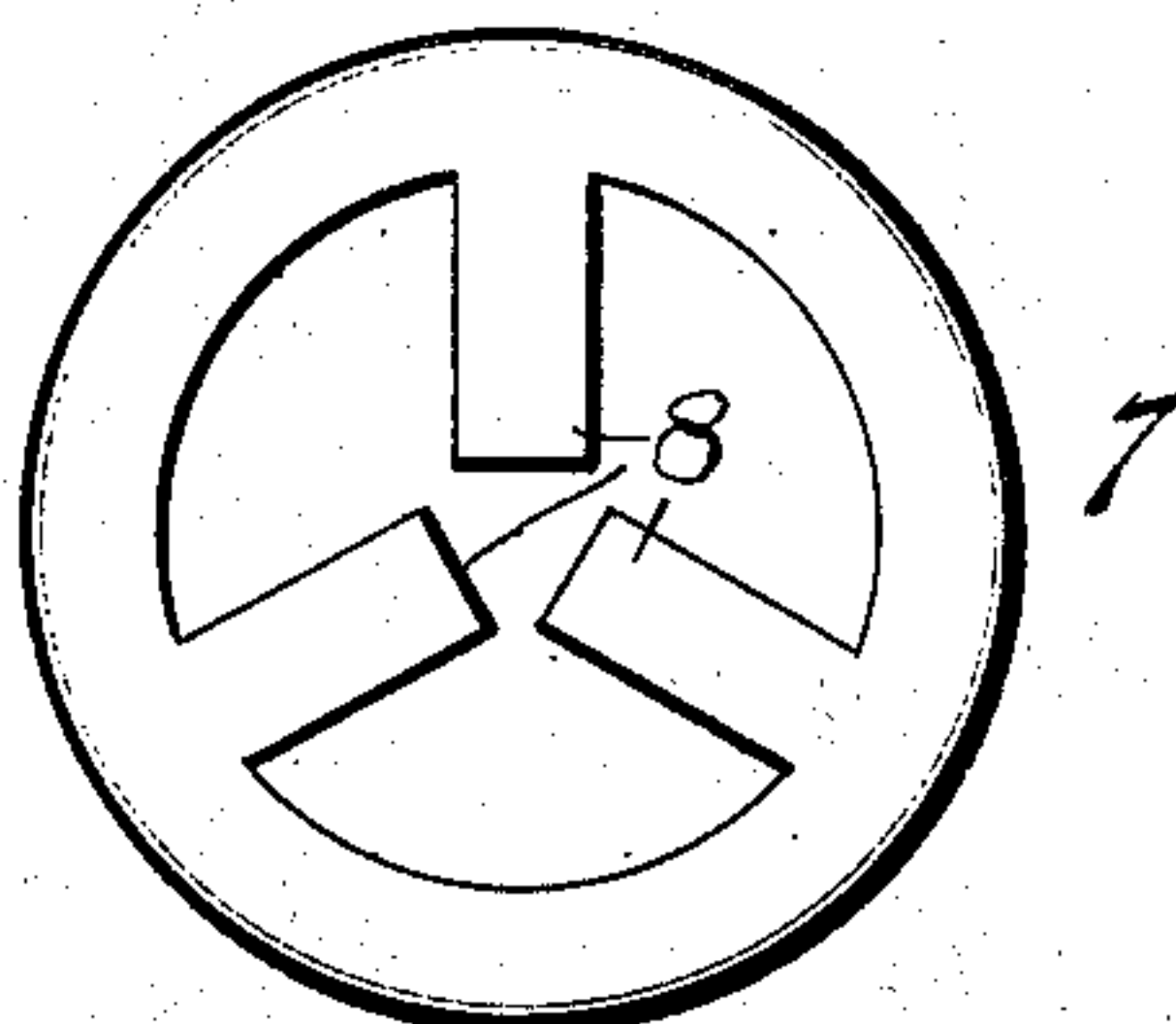
*Fig. 8.*



*Fig. 9.*



*Fig. 10.*



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# UNITED STATES PATENT OFFICE.

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SIGN-RECEPTACLE FASTENING-EYELET.

973,568.

Specification of Letters Patent.

Patented Oct. 25, 1910.

Application filed October 26, 1909. Serial No. 524,728.

*To all whom it may concern:*

Be it known that I, FRANK J. RUSSELL, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Sign-Receptacle Fastening-Eyelets, (Case C,) of which the following is a specification.

This invention relates to the mounting of sign receptacles on the sign-board, junction-box cover, or other supporting element.

To this end the invention has in view the provision of a simple and practical type of fastening device admitting of the quick and ready insertion of the electrical receptacle into the receiving hole designed therefor, and at the same time securely fastening the receptacle in place.

A further object of the invention is to provide a sign receptacle mounting or fastening requiring little or no skill for the installation thereof, while at the same time admitting of the electrical receptacle being mounted and secured in smaller and more confined places than is usually possible with the ordinary construction.

A distinctive feature of the present invention is that the body of the receptacle is cylindrical and free from projections, and that the fastening device so engages the receptacle as to admit of employing the invention in connection with a plain round hole in the supporting element. Also, the improved fastening device involves an operation wherein the receptacle body and the fastening device are simply pushed together, and through the hole without rotary movement at all. Furthermore, the invention provides a fastening device or eyelet which is complete in one piece.

Many other objects and advantages of such a construction will be apparent to those familiar with the art and it will also be understood that various modifications may be resorted to in the application of the invention without departing from the principle thereof, but certain practical embodiments of the invention are shown in the accompanying drawings, in which—

Figure 1 is a sectional elevation illustrating an electrical receptacle fastened upon a sign-board or other supporting element by the improved fastening device claimed herein. Fig. 2 is a front end view of the receptacle body employed in the construction shown in Fig. 1. Fig. 3 is a detail sectional

view of the form of eyelet employed in the construction shown in Fig. 1, and illustrating the positions of the securing prongs prior to the bending thereof behind the supporting element. Fig. 4 is a plan view of the blank of the eyelet shown in Figs. 1 and 3, illustrating a simple plan of constructing the eyelet. Fig. 5 is a perspective view exemplifying the method of assembling the parts of the fastening shown in Figs. 1 to 4, inclusive. Fig. 6 is a view similar to Fig. 5 exemplifying the method of assembling the parts of a modified form of construction. Fig. 7 is a sectional elevation illustrating a receptacle body fastened in position by the modified fastening shown in Fig. 6. Figs. 8, 9 and 10 are detail views of the several parts (excepting the supporting element) of the modified fastening shown in Figs. 6 and 7. Fig. 11 is a perspective view of another modified construction embodying the present invention. Fig. 12 is a sectional elevation, with all of the parts assembled in locking position, of the construction shown in Fig. 11.

Like references designate corresponding parts in the several figures of the drawing.

For illustrative purposes, the invention is shown in the drawings as applied to a sign receptacle having the one piece porcelain or equivalent body designated by the numeral 1. This body is provided at its front end portion with an annular binding collar 2 impinging against the sign sheet or other supporting element S, and coöperating with the fastening device or eyelet 3 to securely fasten the receptacle in position. As indicated, the said fastening device, as an entirety, may be properly termed an eyelet inasmuch as the same surrounds the receiving hole 4 in the supporting element, and also receives and engages the receptacle body.

Referring particularly to the embodiment of the invention suggested in Figs. 1 to 5, inclusive, of the drawings, the fastening eyelet is shown as essentially consisting of a continuous cap-ring or collar, preferably of a concavo-convex form in cross-section so as to snugly fit over the outer rounded side of the front binding collar 2 of the receptacle body, while at the same time having a bearing or impingement against one face of the supporting element around the receiving hole 4 therein. The collar or ring constituting the eyelet 3 is shown provided at the inner edge of its opening with diametrically



opposite securing prongs 5 which are normally bent at substantially right angles to the circular plane of the eyelet body so as to be readily insertible through the receiving hole of the supporting element, and then bendable to positions behind the supporting element, as best seen in Fig. 1 of the drawing. Also, in this form of the invention, the securing prongs 5 are adapted to be inserted through opposite keeper notches 6 formed in the binding collar 2 of the receptacle body. Preferably, it is intended to solder or otherwise suitably secure the bent prongs 5 behind the supporting element so as to effectually hold the parts against turning.

Another modification that may be resorted to in carrying out the essential features of the invention is suggested in the group of Figs. 6 to 10, inclusive, of the drawings. In these figures of the drawings, there is shown a form of fastening eyelet which is but a simple modification of the eyelet shown in the group of Figs. 1 to 5, but differs from the said latter form of eyelet particularly in being so constructed as to clampingly engage, by spring pressure, both the supporting element, and the receptacle body to be secured in the receiving hole 4. It will be seen by reference to Figs. 6, 7, 9 and 10 that the modified eyelet designated by the reference number 7 is of substantially the same construction as the cap-ring form of eyelet hereinbefore referred to, inasmuch as the same essentially consists of a continuous concavo-convex ring or collar provided at the inner edge of its opening with a plurality of prongs or tongues 8. These prongs or tongues 8 are bent at substantial right-angles to the circular plane of the eyelet body so as to be insertible through the receiving hole in the supporting element and also through the keeper notches 9 formed in the binding collar 2 of the receptacle body. It is proposed to have the prongs or tongues 8 compoundly curved to provide respectively the separate spring bends 10 and 11. The outstanding bends 10 have a spring-clamping engagement against the supporting element at the rear edge or side of the hole therein, while the inturned bends 11 have a spring clamping engagement upon the receptacle body. Also in this form of the invention it is designed to have a plurality (preferably more than two) of the prongs or tongues 8, and a corresponding number of notches 9, arranged at equidistant intervals and thus equally dividing or distributing the holding points.

A further modification, exemplifying the range of the present invention is shown in Fig. 11 of the drawings. In this form of the invention the same construction of fastening eyelet may be employed as shown in Figs. 1, 3, 4 and 5, that is, an eyelet consisting of a cross-sectionally concavo-convex

cap-ring or collar 12 provided at the inner edge of its opening with diametrically opposite securing prongs 13 which are normally bent at substantially right-angles to the circular plane of the eyelet body. These prongs are insertible through the receiving hole 4 of the supporting element and also through keeper holes 14 piercing a front binding collar 15 formed on the receptacle body 1 adjacent to the front end edge of the body. The said front end edge or portion projecting beyond the collar 15 is intended to pass through the hole 4 in the supporting element and project through the ring part of the eyelet 12. The prongs 13 after being inserted through the holes 14 are bent behind the collar 15 thus securing the parts in place, as shown in Fig. 12 of the drawings.

The present application includes and covers forms of the invention disclosed in co-pending application filed October 9, 1908, Serial Number 456,949.

I claim—

1. In a receptacle mounting, the combination with the supporting element and a receptacle body having an external collar, and a fastening device engaging said collar of the receptacle body and in the receiving hole of the supporting element.
2. In a receptacle mounting, the combination with the supporting element having a hole, and a receptacle body having an external collar binding against one side of the supporting element, of a fastening device, also binding against one side of the supporting element and having a holding engagement with both the supporting element and the collar of the receptacle body.
3. In a receptacle mounting, the combination with the supporting element having a hole, and a receptacle body having an external collar, of a fastening eyelet receiving and interlocked with the collar of the receptacle body, and also having a holding engagement with the supporting element.
4. In a receptacle mounting, the combination with the supporting element, and a receptacle body having an external collar provided with keepers, of a fastening eyelet interlocked with the keepers of the receptacle body, and also having a holding engagement with the supporting element.
5. In a receptacle mounting, the combination with the supporting element, and a receptacle body having an external collar provided with notches therein, and a fastening eyelet comprising a ring and securing prongs carried by the ring, said securing prongs being insertible through said notches and through the receiving hole of the supporting element.
6. In a receptacle mounting, the combination with the supporting element, and a receptacle body having an external collar pro-



vided with notches therein, of a fastening eyelet comprising a cap-ring binding against one side of the supporting element, and securing prongs extending from said ring and  
5 insertible through said notches and the hole in the supporting element, said prongs having a spring-clamping engagement with both the supporting element and the receptacle body.  
10 7. In a receptacle mounting, the combination with the supporting element, and a receptacle body having an external collar en-

gaging at one side of the supporting element, and a fastening eyelet engaging with said external collar and also having engagement with the supporting element on the side opposite said collar. 15

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

FRANK J. RUSSELL.

Witnesses:

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WM. F. MESCHENMORSE.