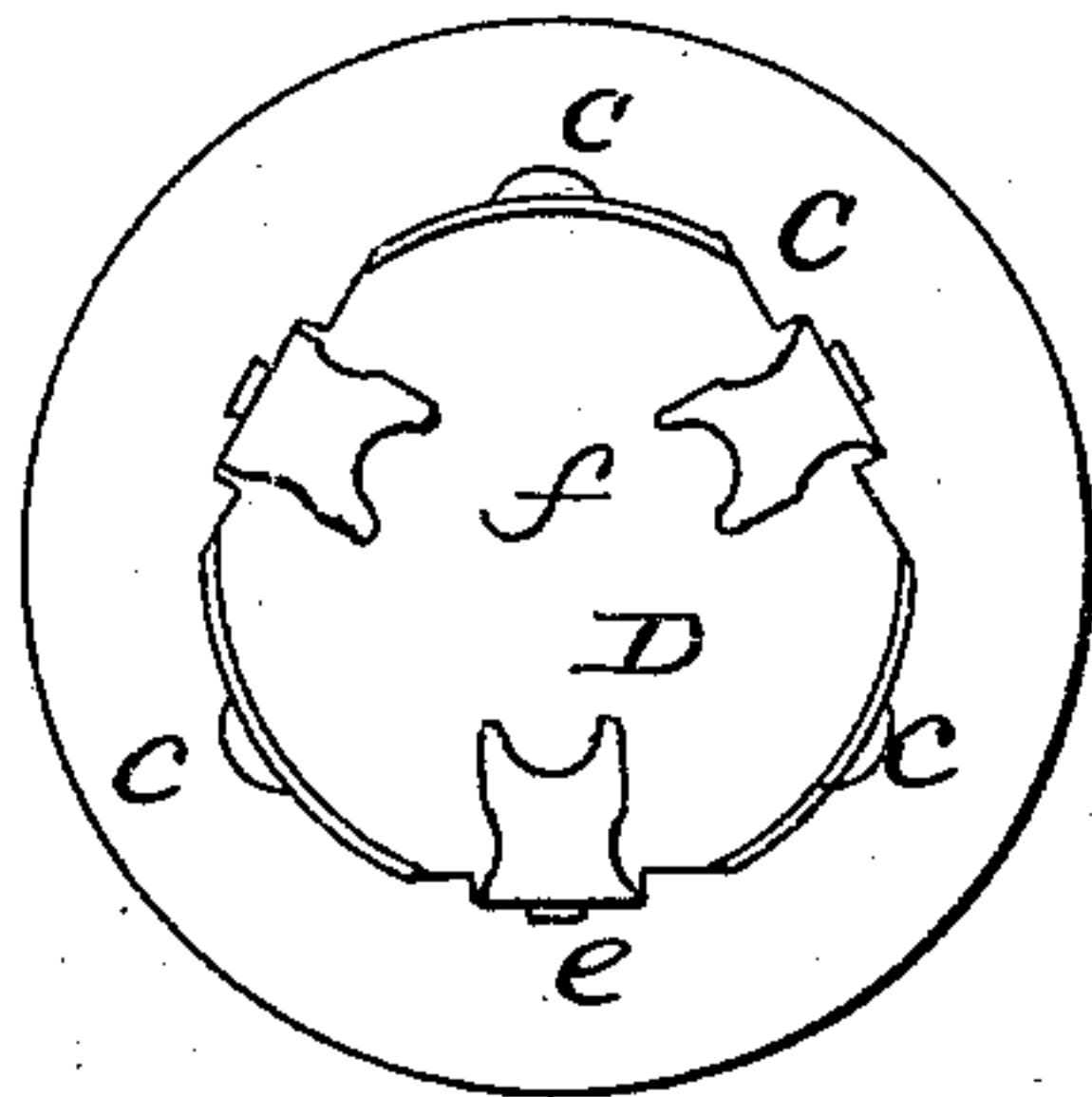
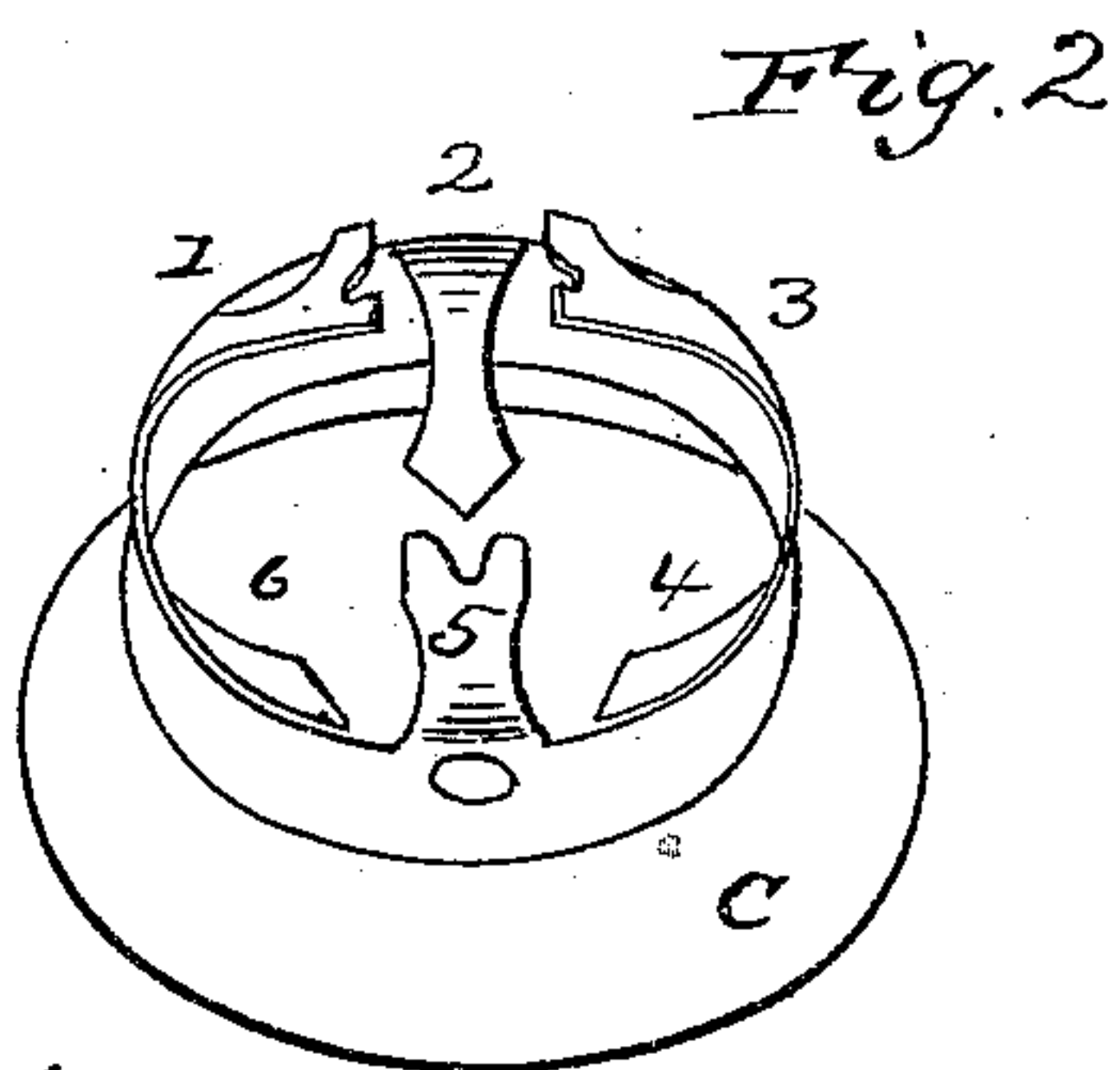
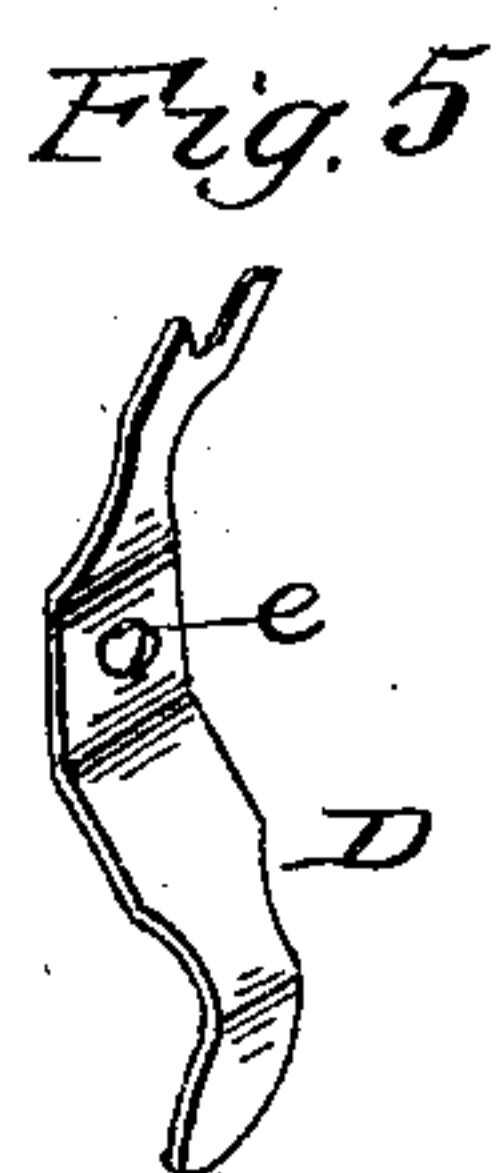
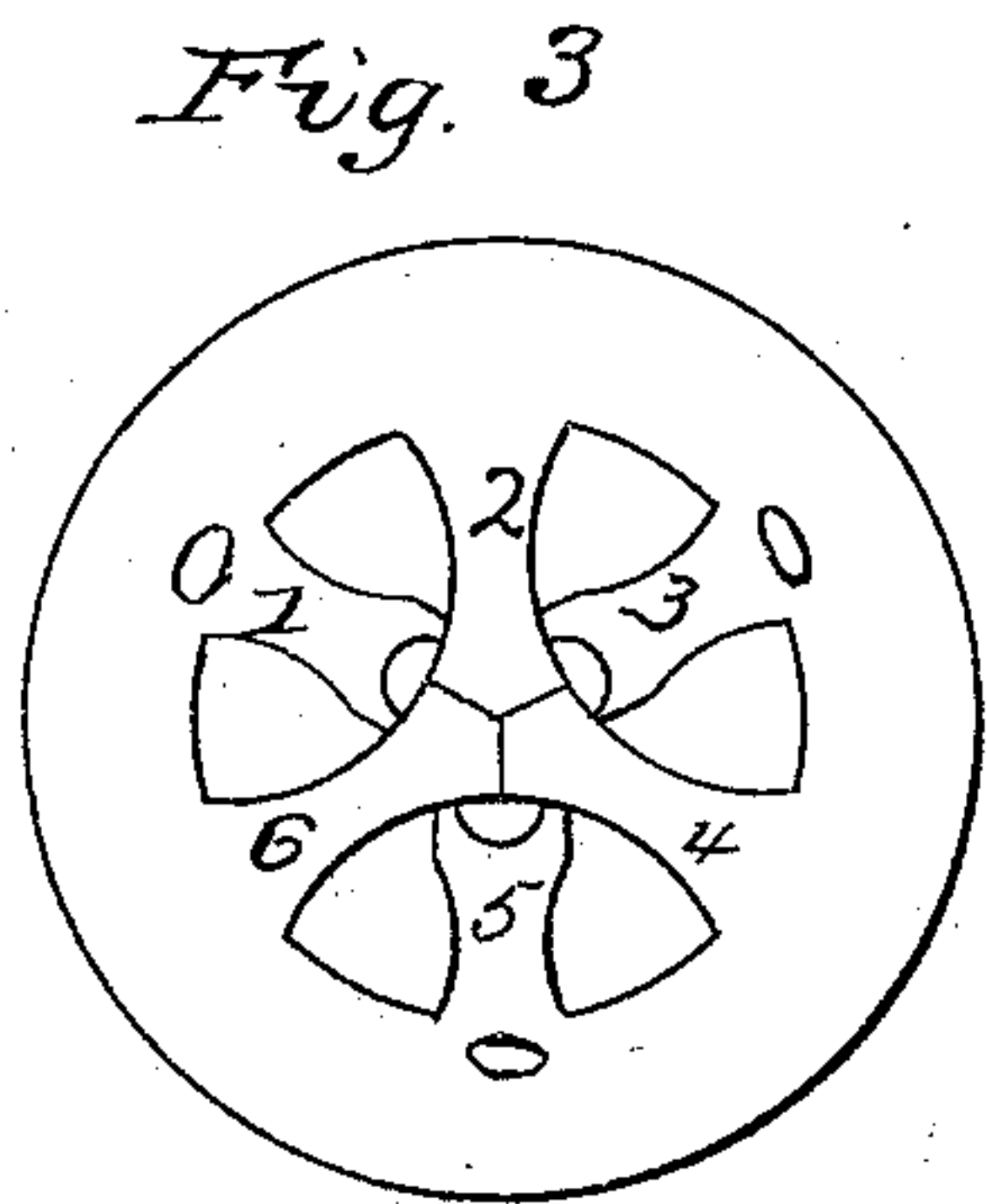
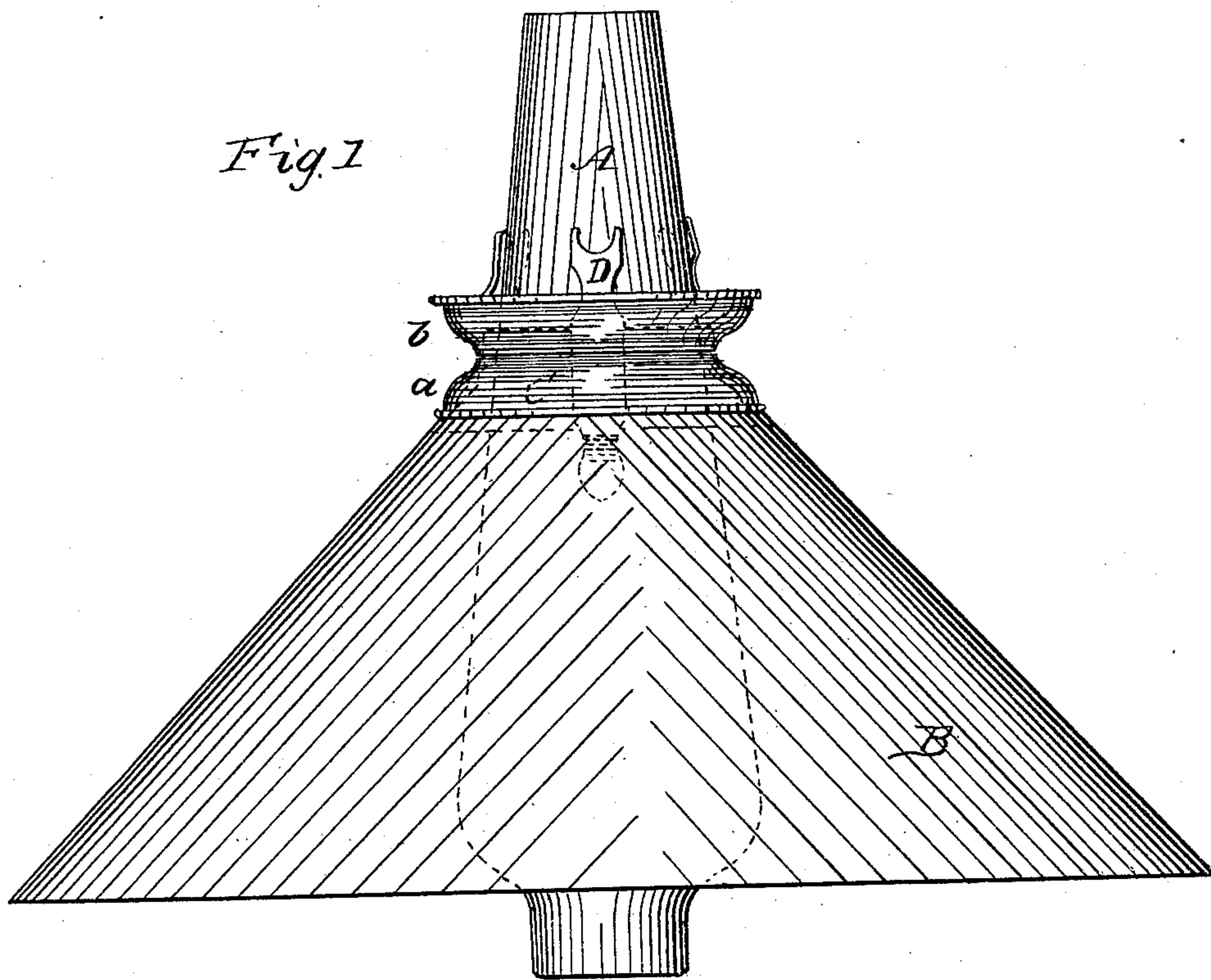


W. F. SHAW.

Lamp Shade.

Patented Dec. 14, 1858.

No. 22,311.



WITNESSES  
*Thos. Raach*  
*Chas. Schumacher*

INVENTOR  
*W. F. Shaw*

# UNITED STATES PATENT OFFICE.

WM. F. SHAW, OF BOSTON, MASSACHUSETTS.

## LAMP-SHADE SUPPORTER.

Specification of Letters Patent No. 22,311, dated December 14, 1858.

### *To all whom it may concern:*

Be it known that I, WM. F. SHAW, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in the Manufacture of an Article Known as a Lamp-Shade Supporter, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making  
10 part of this specification, in which—

Figure 1 is a view of a lamp chimney with shade and shade supporter attached; Figs. 2, 3, 4 and 5, details to be referred to hereafter.

15 My present invention consists in certain improvements in the manufacture of the article known as a "lamp shade supporter" by which I am enabled to economize both stock and labor in the construction and produce a  
20 cheaper article.

That others skilled in the art may understand and use my invention, I will proceed to describe the manner in which I have carried out the same.

25 In the drawings, Fig. 1, A, is the glass chimney; B, the shade of paper or perforated metal.

C, Figs. 1 and 4, is the shade supporter as ordinarily constructed. It is seen dotted  
30 in Fig. 1 and in plan Fig 4. It is formed of thin sheet metal, and flares out in a conical form at its base to receive the shade which is placed over it, and is held in place by a ring *a* which embraces the top of the  
35 shade, this being kept in place by another ring *b*, that is slipped over the top of the supporter C, and is held in place by bosses *c*, Fig. 4, over which it is sprung.

40 To hold the supporter in its place on the chimney it is furnished with four springs of sheet metal D, one of which is shown detached in Fig. 5. Each of these is riveted at the middle of its length at *e*, to the inside

of the supporter C, so that its ends bear upon the chimney above and below the supporter 45 and keep it and the shade steady.

In forming the parts as above, considerable stock is wasted in stamping out the springs D, of the shape shown in Fig. 5, and considerable time and labor is consumed in  
50 riveting the springs to the sides of the supporter C.

In my improved construction of supporter as shown in Fig. 2 the whole is formed of one piece of metal, the supporter C, being  
55 struck up into form in dies, the bottom of the cup which is thus formed instead of being cut out as shown by the space *f*, Fig. 4, is stamped out as shown in Fig. 3, leaving the portions 1, 2, 3, 4, 5, 6, of it attached to  
60 the rim. The alternate strips 1, 3, 5, are now bent up as shown in Fig. 2, forming upper springs and the other strips 2, 4, 6, are bent down forming lower springs, the two sets together answering the same pur-  
65 pose as the springs D, in the former case.

By an inspection of Fig. 3, it will be seen that but a small portion of the stock is wasted, while the whole labor and time  
70 of riveting is saved.

In some cases springs may be used only above or below the supporter C, but the form shown in the drawings is that which I prefer.

75 What I claim as my invention and desire to secure by Letters Patent as a new article of manufacture is—

The lamp shade supporter C, with its upper and lower springs, constructed of a single piece of metal in the manner substan-  
80 tially as described.

W. F. SHAW.

Witnesses:

THOS. R. ROACH,

P. E. TESCHEMACHER.