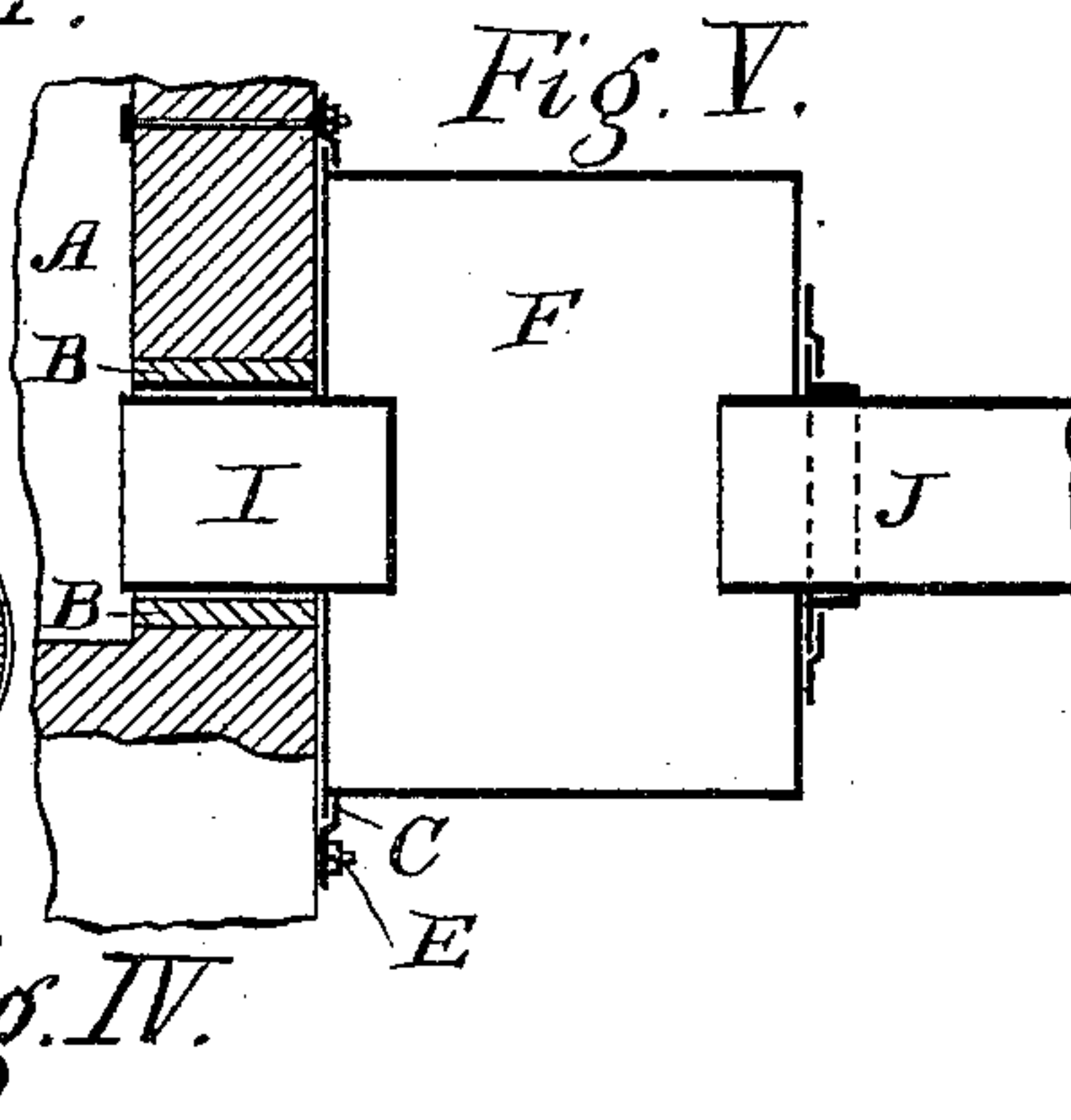
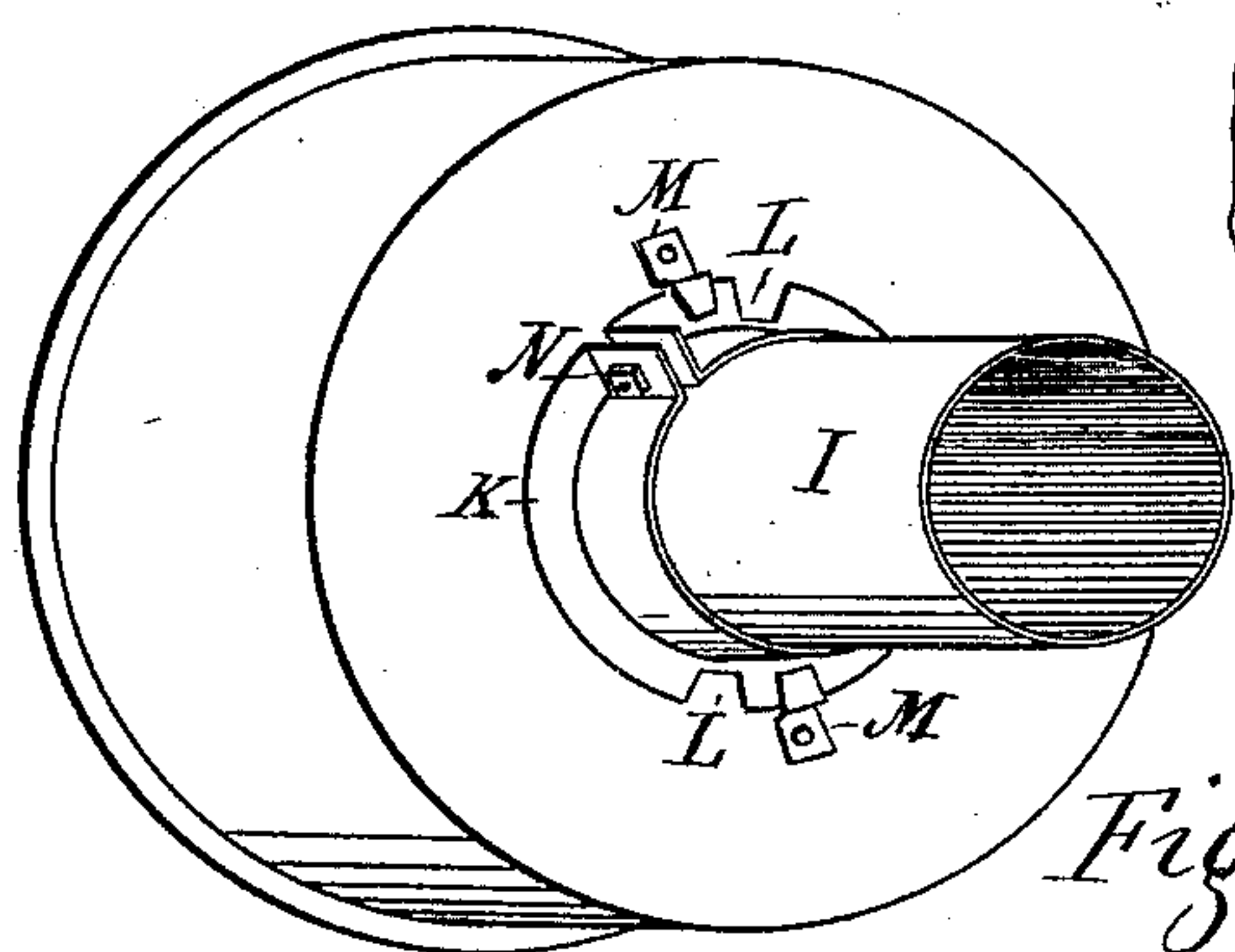
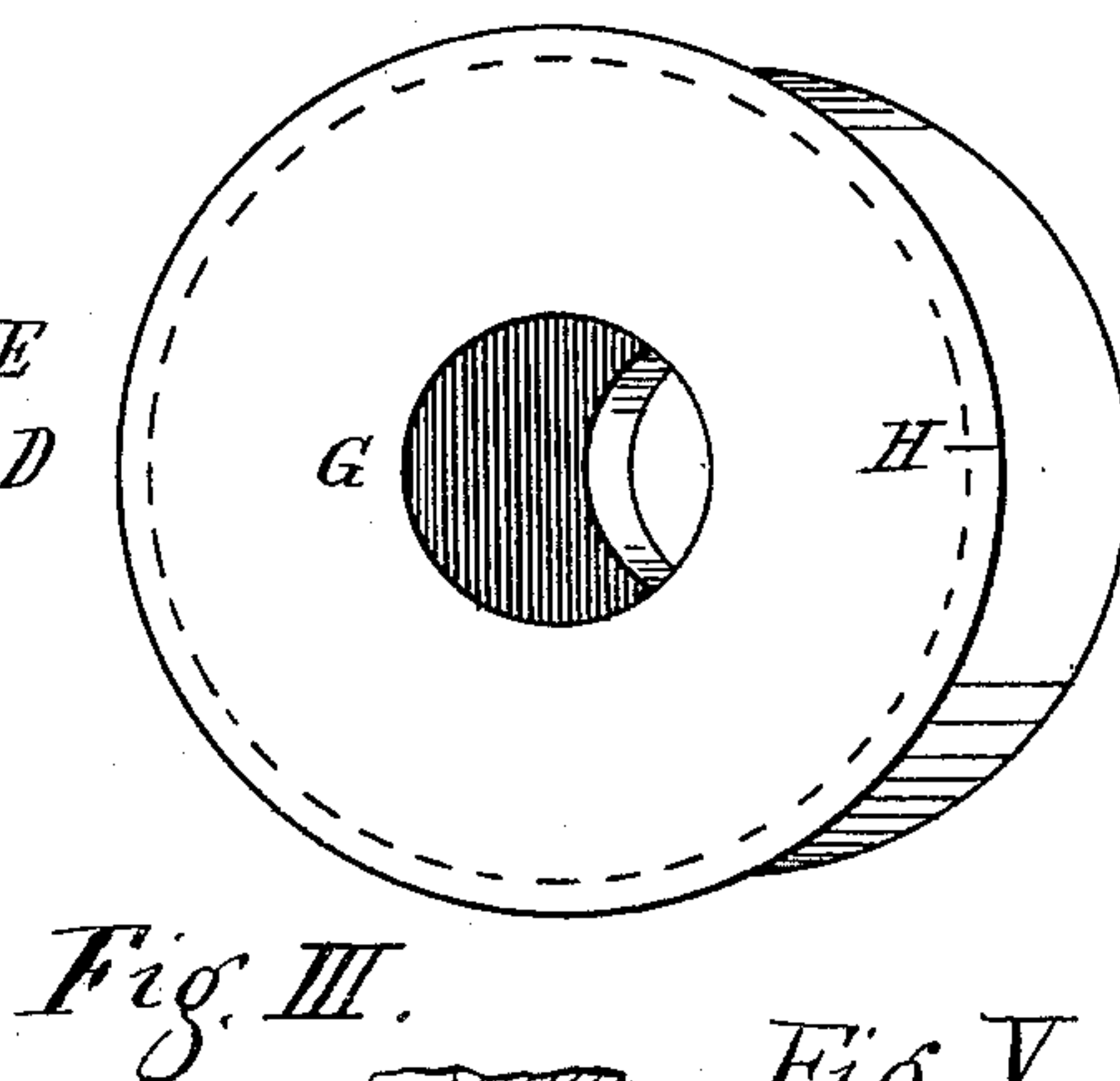
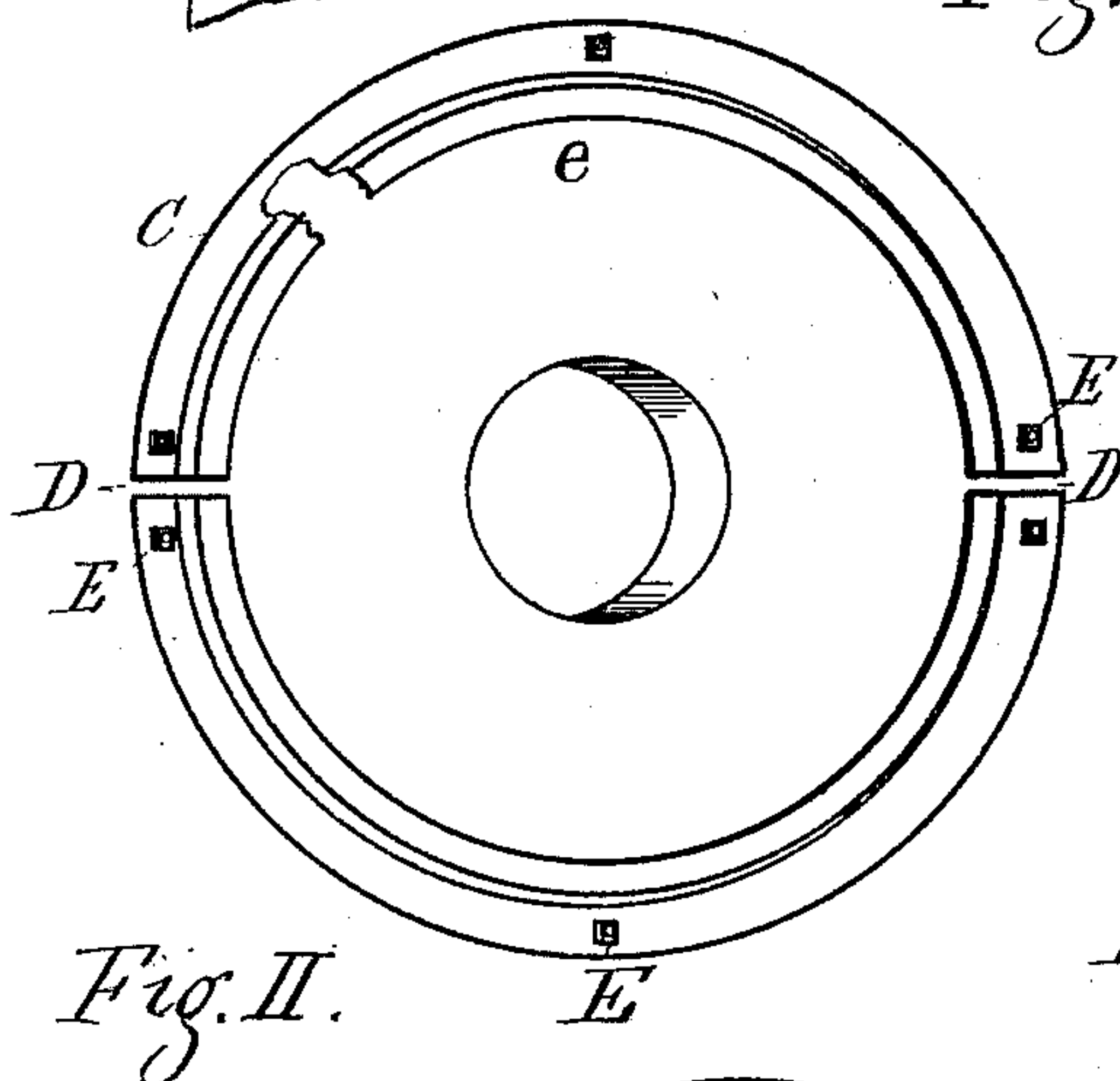
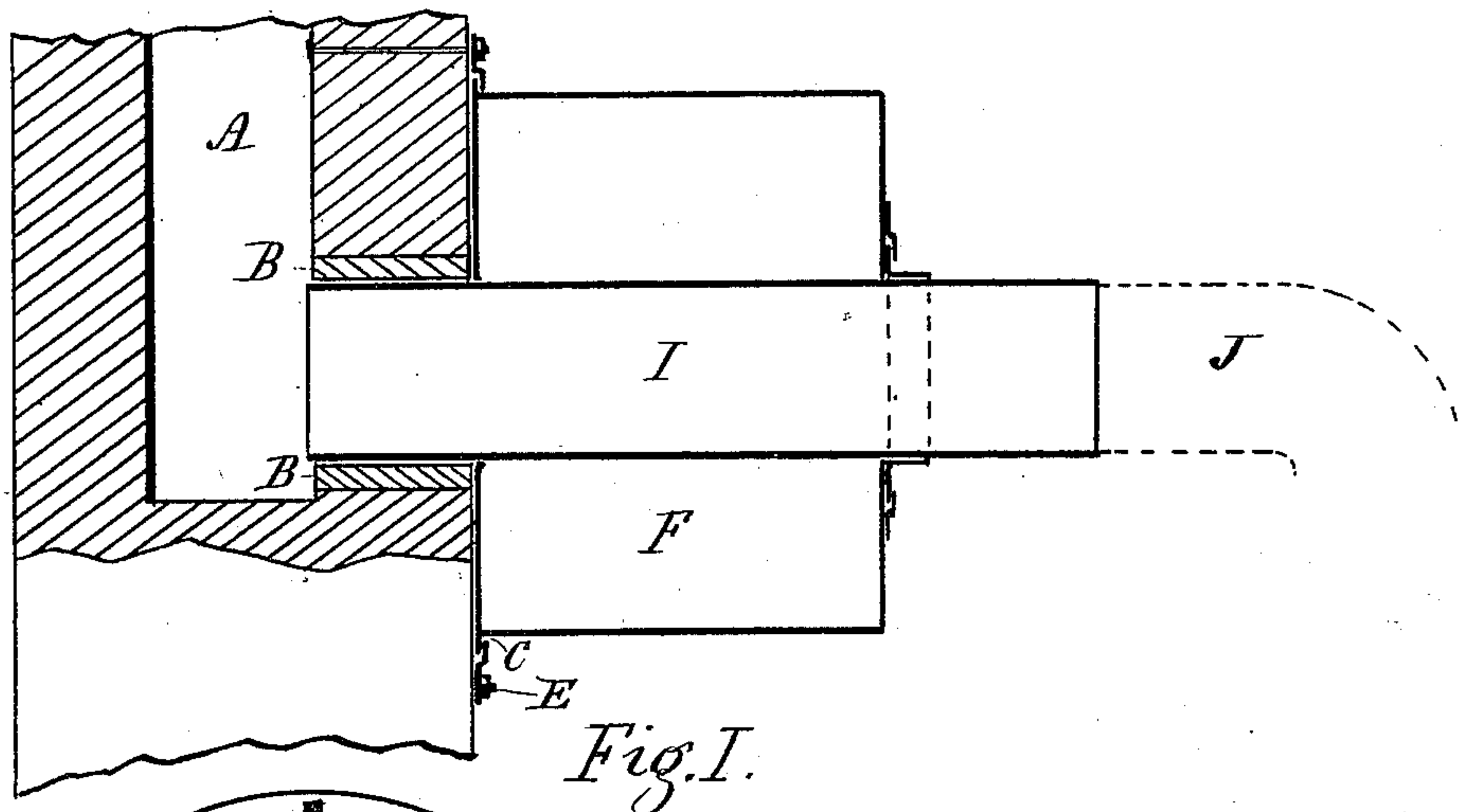


(No Model.)

M. A. MUSE.  
SOOT CATCHER.

No. 429,047.

Patented May 27, 1890.



WITNESSES:

Robert Kirk  
Robt. S. Millar

INVENTOR :

Maggie A. Muse  
By *J. S. Zerbe*  
Attorney.

# UNITED STATES PATENT OFFICE.

MAGGIE A. MUSE, OF MOUNT CARMEL, KENTUCKY.

## SOOT-CATCHER.

SPECIFICATION forming part of Letters Patent No. 429,047, dated May 27, 1890.

Application filed December 16, 1887. Serial No. 258,122. (No model.)

*To all whom it may concern:*

Be it known that I, MAGGIE A. MUSE, of Mount Carmel, in the county of Fleming and State of Kentucky, have invented a new and  
5 useful Improvement in Soot-Catchers, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a vertical sectional view of my  
10 soot-catcher. Fig. 2 is a perspective view of the holding-disk on the wall; Fig. 3, a perspective view of the inner end of the drum of the soot-catcher; and Fig. 4, a view of the  
15 outer end of the drum, showing manner of attaching the stove-pipe thereto. Fig. 5 is a section showing the drum having a pipe in each end.

The object of my invention is to provide a  
20 cheap, simple, and efficient soot-catcher for chimneys; and it consists of a drum removably attached to the pipe-hole of a chimney, into which the ordinary pipe from the stove is placed and secured, so that when the soot accumulates in the chimney or flue and the  
25 stove-pipe is taken down the soot-drum remains and catches the soot, all of which will now be set forth in detail.

In the accompanying drawings, A represents the chimney-flue, and B the pipe-lining  
30 such as is ordinarily used. Around this hole is placed a metal ring C, horizontally divided at D. The inner portion *e* of this ring is raised so as to permit the flange of the drum to rest thereunder. The lower half of the  
35 ring is permanently secured to the wall, and is held in position by means of bolts and nuts E.

The soot-drum F may be of any suitable size, the inner end of which has an aperture  
40 G the size of the stove-pipe, and this end is provided with an annular flange H. When in position against the wall, this flange H rests under the raised portion of the ring C. A short stove-pipe I extends entirely through  
45 the drum and into the flue-aperture, as shown in Fig. 1, in which construction the soot will fall into the drum when the pipe I is removed. The opposite or outer end of the soot-drum is provided with an aperture or

opening centrally to receive the stove-pipe J. 50  
The end of the drum is provided with a separable flanged rim K, provided with notches L on opposite sides, and projecting spurs M are riveted to the head of the drum in such position that their inner ends extend 55  
over the flanged ring and are adapted to enter the notches, after which the ring K is turned and the nuts and bolts N are employed to secure the band tightly to the pipe J. The pipe I, as shown in Fig. 5, may extend 60  
partly into the drum on the inner end, and the pipe J may extend partly into it at the other end.

It is obvious that other means may be devised to secure the pipe to the drum than as 65  
I have herein shown, and also to attach the drum to the flue.

In attaching the device the upper half of the ring C is removed and the flange H of the drum placed in the space made by the 70  
raised portion of the ring, after which the short section of pipe I is placed in, or the short section may be attached to, the pipe J and extended through the drum.

When it is desired to remove the soot from 75  
the flue, the pipe J is removed and the soot scraped from the flue into the drum, after which the drum is disengaged from the retaining-ring and the soot emptied therefrom. It will be observed that the use of the short 80  
section of pipe I prevents the soot from forcing its way out and falling down between the ring C and the face of the wall.

The use of this soot-catcher prevents the escape of soot. When the soot is being re- 85  
moved, it prevents the soot from falling out of the flue and injuring the carpet and furniture.

What I claim as new is—

1. The soot-drum F, having a suitable aper- 90  
ture at each end for the stove-pipe and flanged at H at one end and having at the other the separable flanged rim K, notched at L and held in place, as described, and combined with the ring C, made in two parts, hav- 95  
ing a raised part *e*, all substantially as and for the purposes set forth.

2. The within-described soot-drum having



at one end a flange and at the other a separable rim to secure it upon the stove-pipe which passes into the drum, combined with a ring made in parts and so constructed that  
5 the said flange will engage with it, whereby the drum is held in position for use.

In testimony that I claim the foregoing I

have hereunto set my hand, this 17th day of August, 1887, in the presence of two witnesses.

MAGGIE A. MUSE.

Witnesses:

J. W. HENDERSON,  
ISAAC KELLY.