

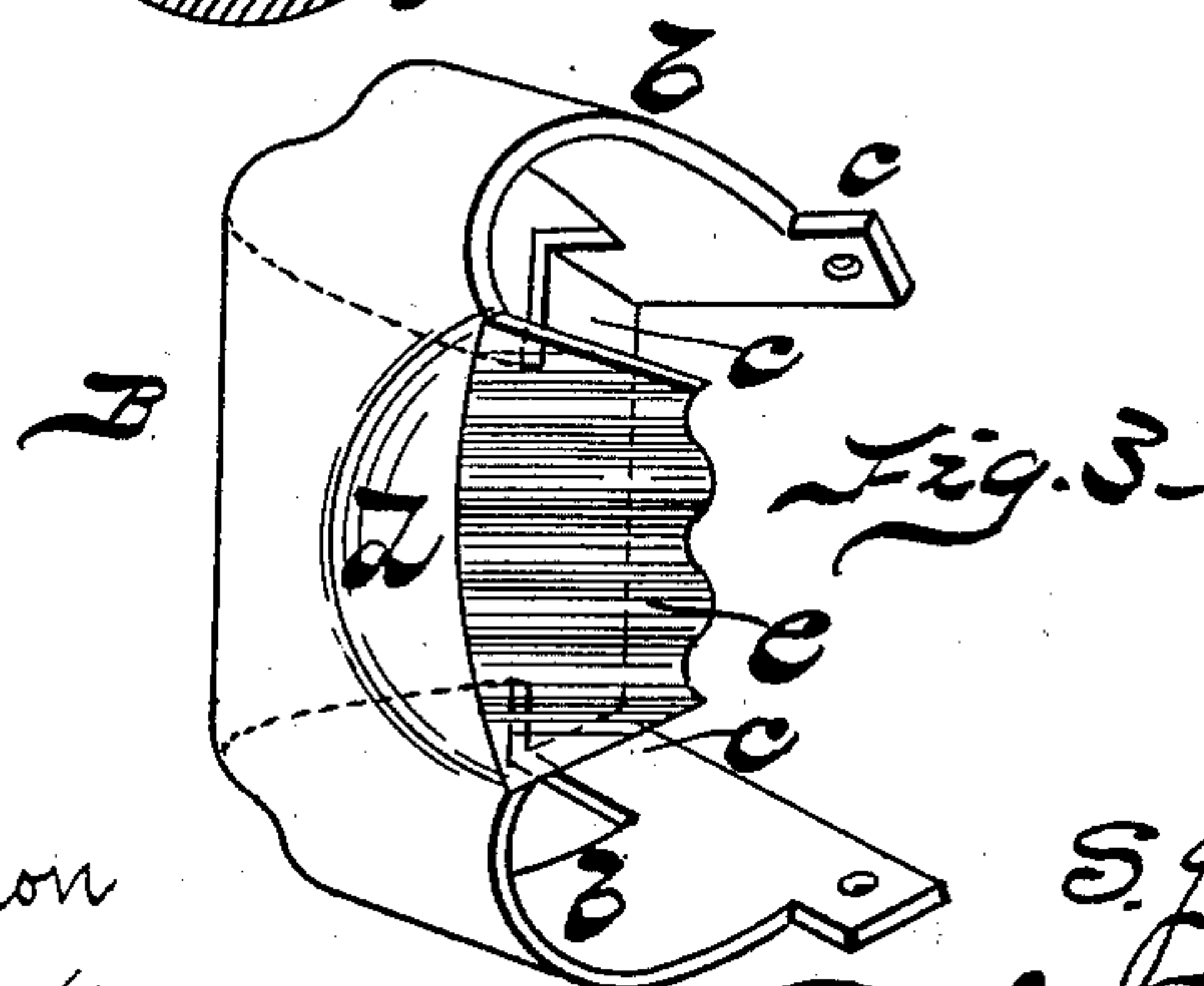
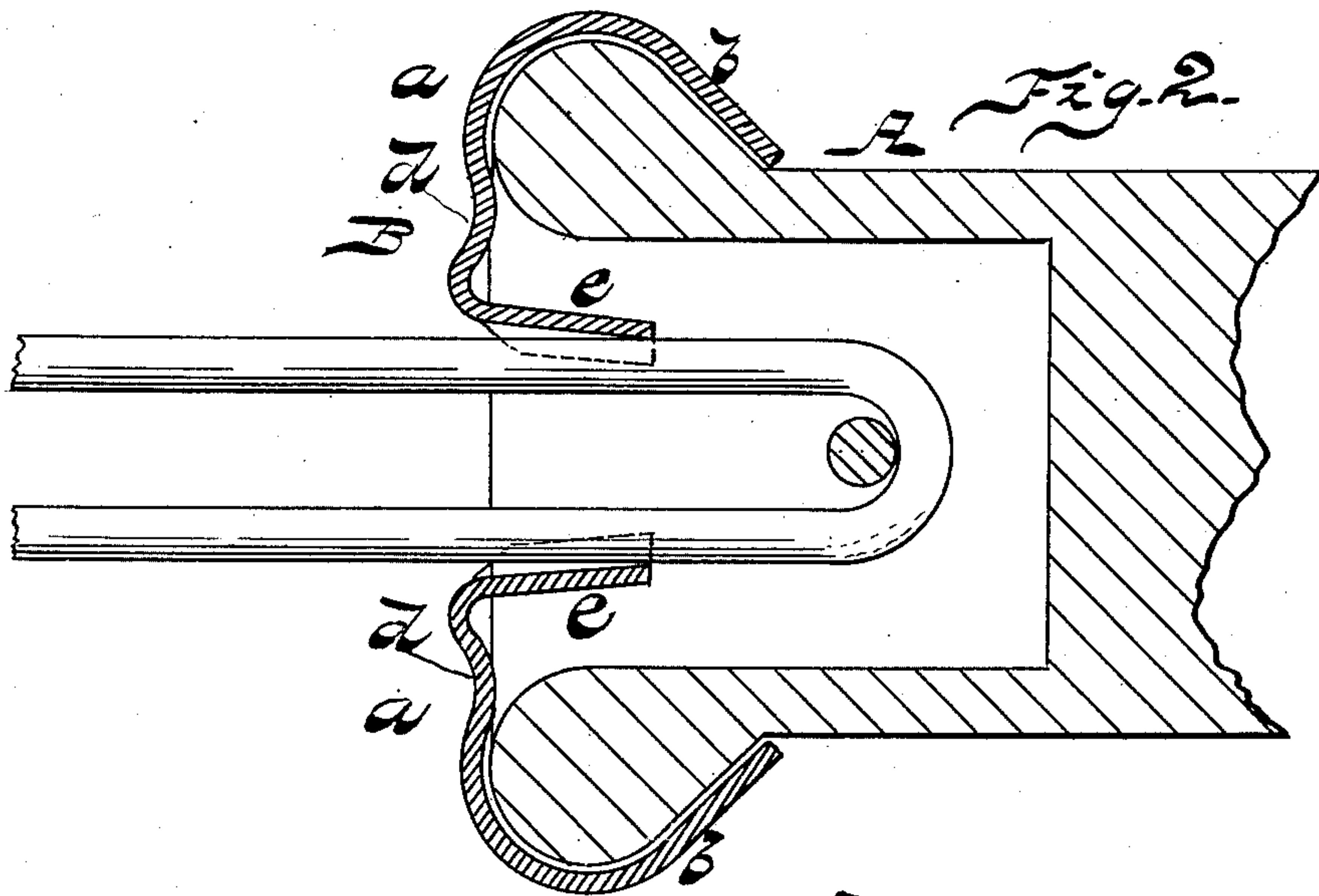
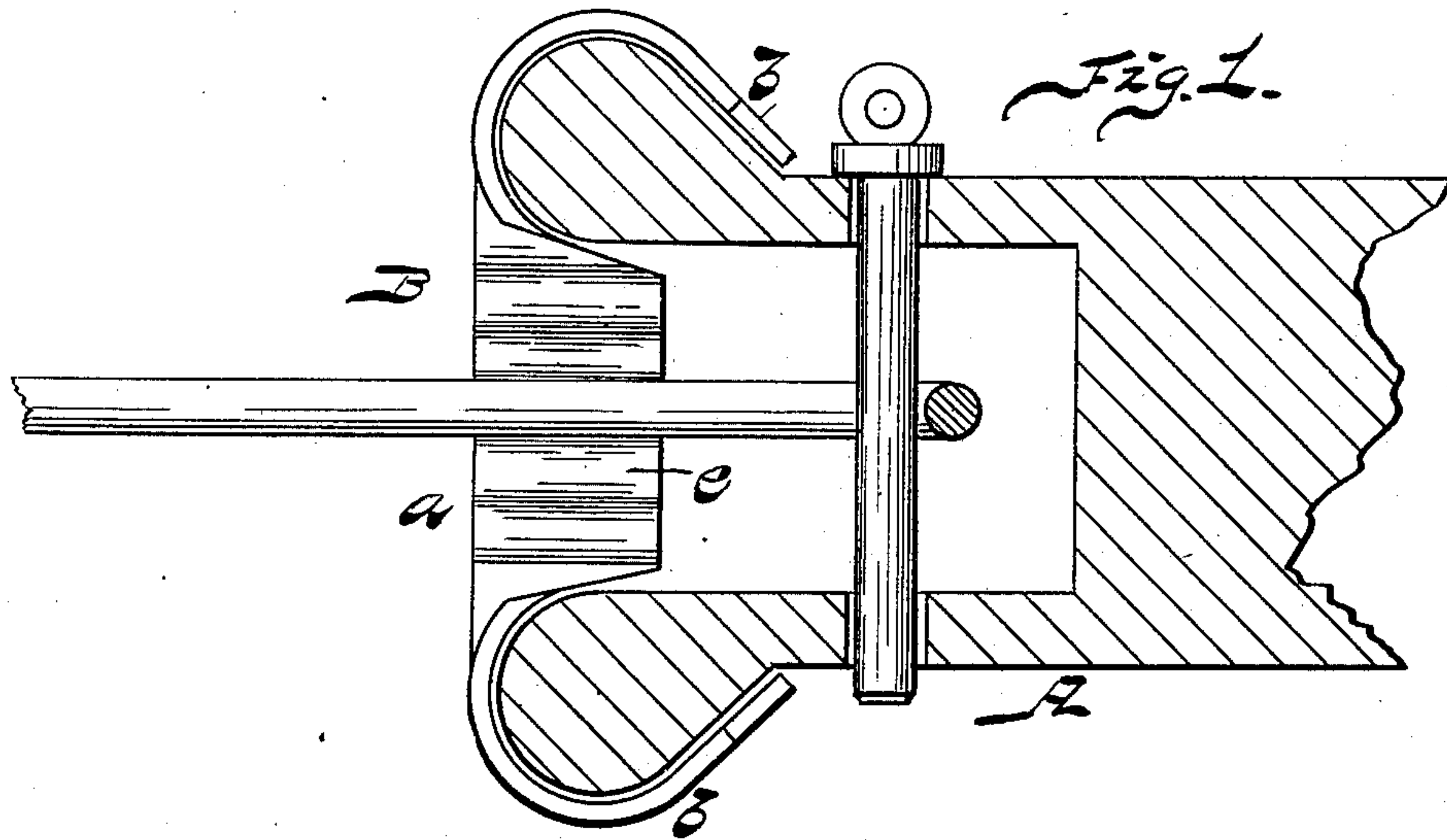
(No Model.)

S. J. RHOADS.

CAR COUPLING.

No. 318,138.

Patented May 19, 1885.



WITNESSES

Rutledge Robinson  
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# UNITED STATES PATENT OFFICE.

SOLOMON J. RHOADS, OF METROPOLIS, ILLINOIS.

## CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 318,138, dated May 19, 1885.

Application filed April 9, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, SOLOMON J. RHOADS, a citizen of the United States, residing at Metropolis, in the county of Massac and State of Illinois, have invented certain new and useful Improvements in Link-Supporters for Car-Couplings, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention has relation to improvements in devices for supporting and guiding links in the mouth of draw-heads of railway-cars; and it consists in the construction and novel arrangement of devices hereinafter fully explained, and particularly pointed out in the  
15 appended claims.

The annexed drawings, to which reference is made, fully illustrate my invention, in which  
20 Figure 1 represents a vertical sectional view of my device. Fig. 2 is a longitudinal view of the same, and Fig. 3 is a perspective view of the attachment detached from the draw-head.

Referring by letter to the accompanying  
25 drawings, A designates a draw-head of a railway-car of the usual construction, and B indicates the supporter and guide for the link by which the cars are coupled to one another. This holder or supporter usually consists of  
30 two portions, *a a*, which are constructed alike and are made in skeleton form, having the arms *b*, which connect with the strap portion *c* that encircles the draw-bar and is secured thereto. The front portion, *d*, thereof is con-  
35 caved to fit neatly within the mouth of the draw-head, and a continuation of said front portion extends within the mouth a suitable

distance, being corrugated horizontally and forming a spring arm or plate, *e*, on each side of the mouth of the draw-head. These cor- 40  
rugated spring arms or plates serve to hold the link in proper position to permit the same to enter the opposite draw-head when the cars are in the act of coupling, thus rendering it unnecessary for the person to go between the 45  
cars to couple the same, except for attending to the pin. Thus the attendant is freed from danger incurred from guiding the link into the opposite draw-head, and the spring-arm attachment can be readily applied to draw- 50  
bars of different constructions, as shown, or otherwise.

Having described this invention, what I claim, and desire to secure by Letters Patent, is— 55

1. The link holder or supporter herein described, consisting of the corrugated springs, plates, or arms secured to the draw-head and extending within the mouth of the same, substantially as described, and for the purpose 60  
set forth.

2. A spring link-holder for draw-heads of railway-cars, consisting of the corrugated horizontal spring-arms *e*, adapted to receive and hold the link, the connecting-arms *b*, and the 65  
band *c*, adapted to be secured to said draw-head, as and for the purpose set forth.

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

SOLOMON J. RHOADS.

Witnesses:

W. H. KARR,  
WM. PELL.