

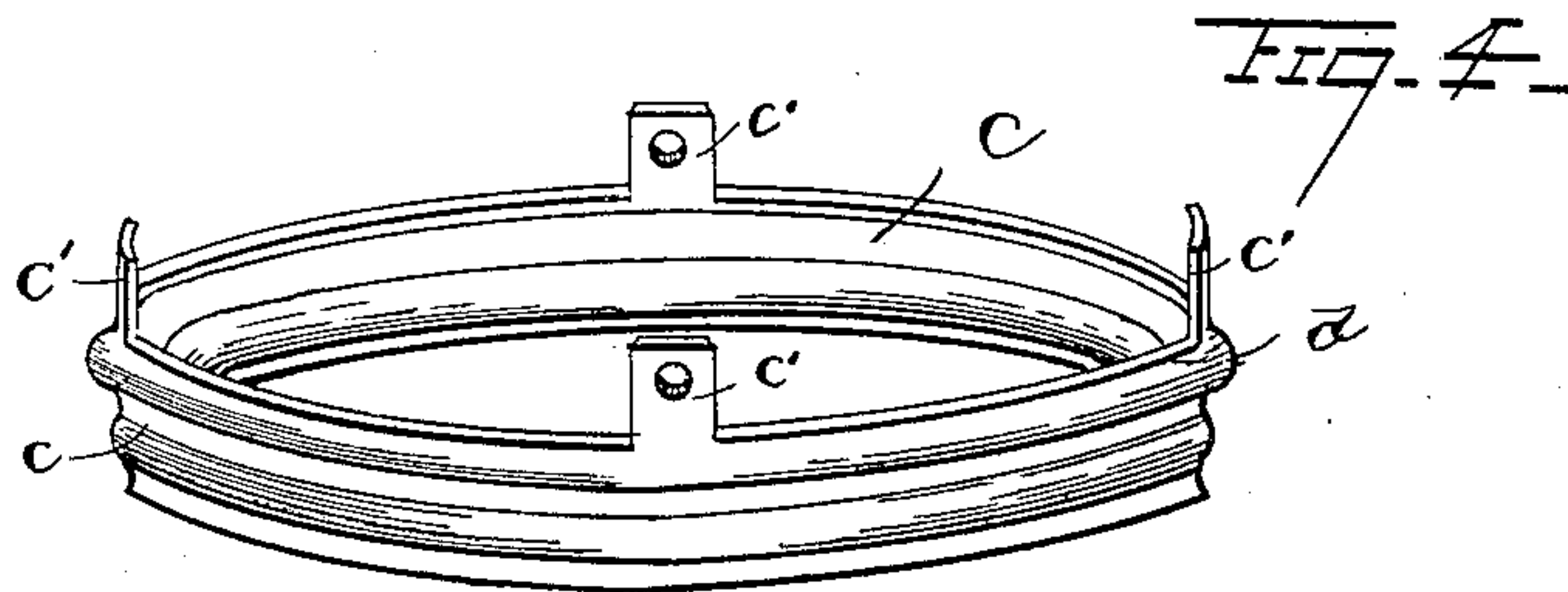
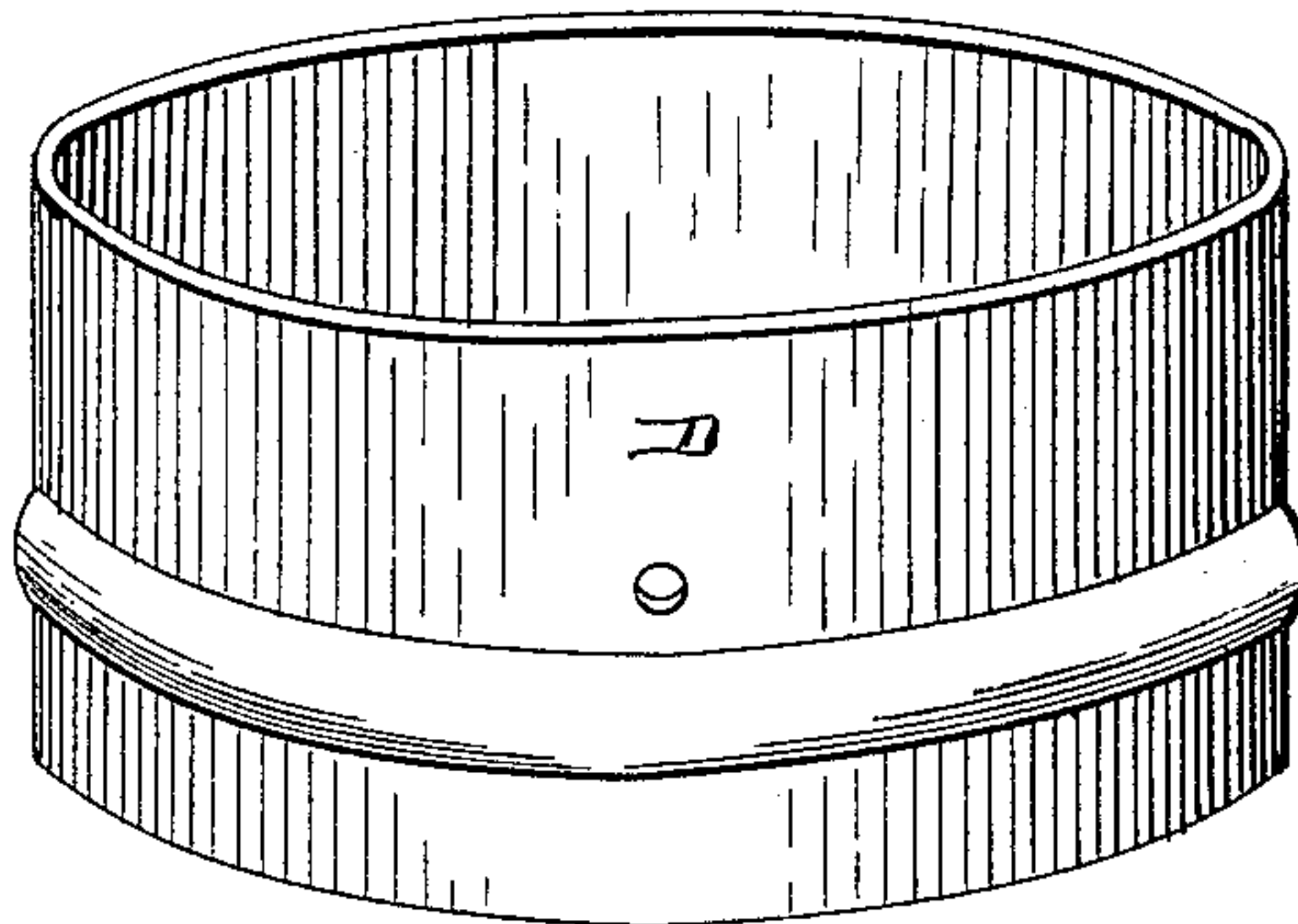
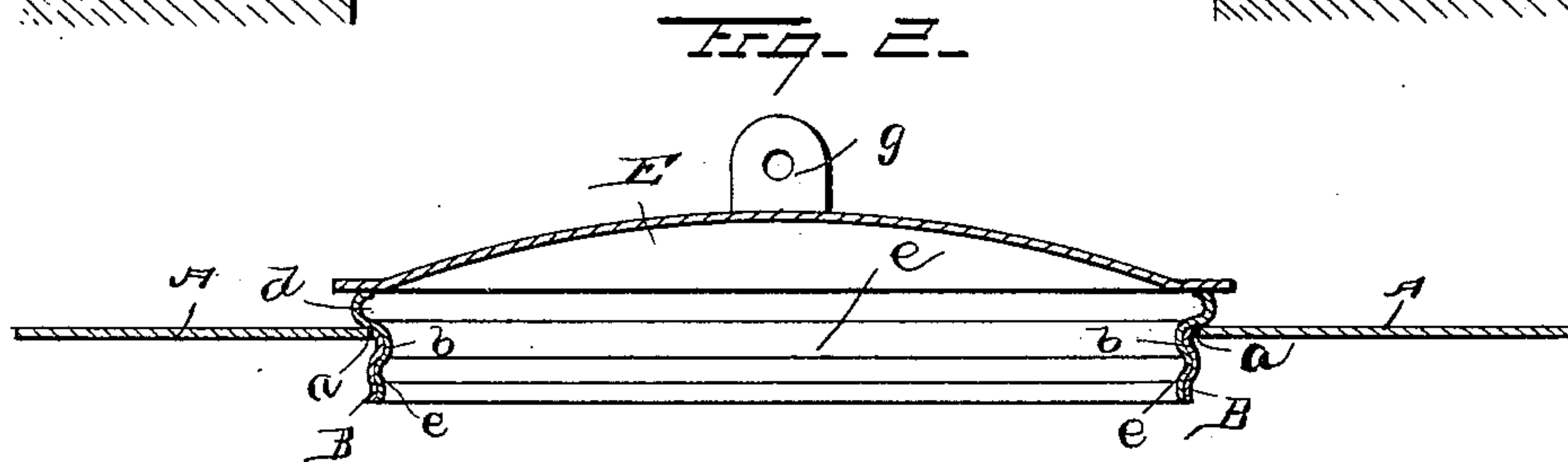
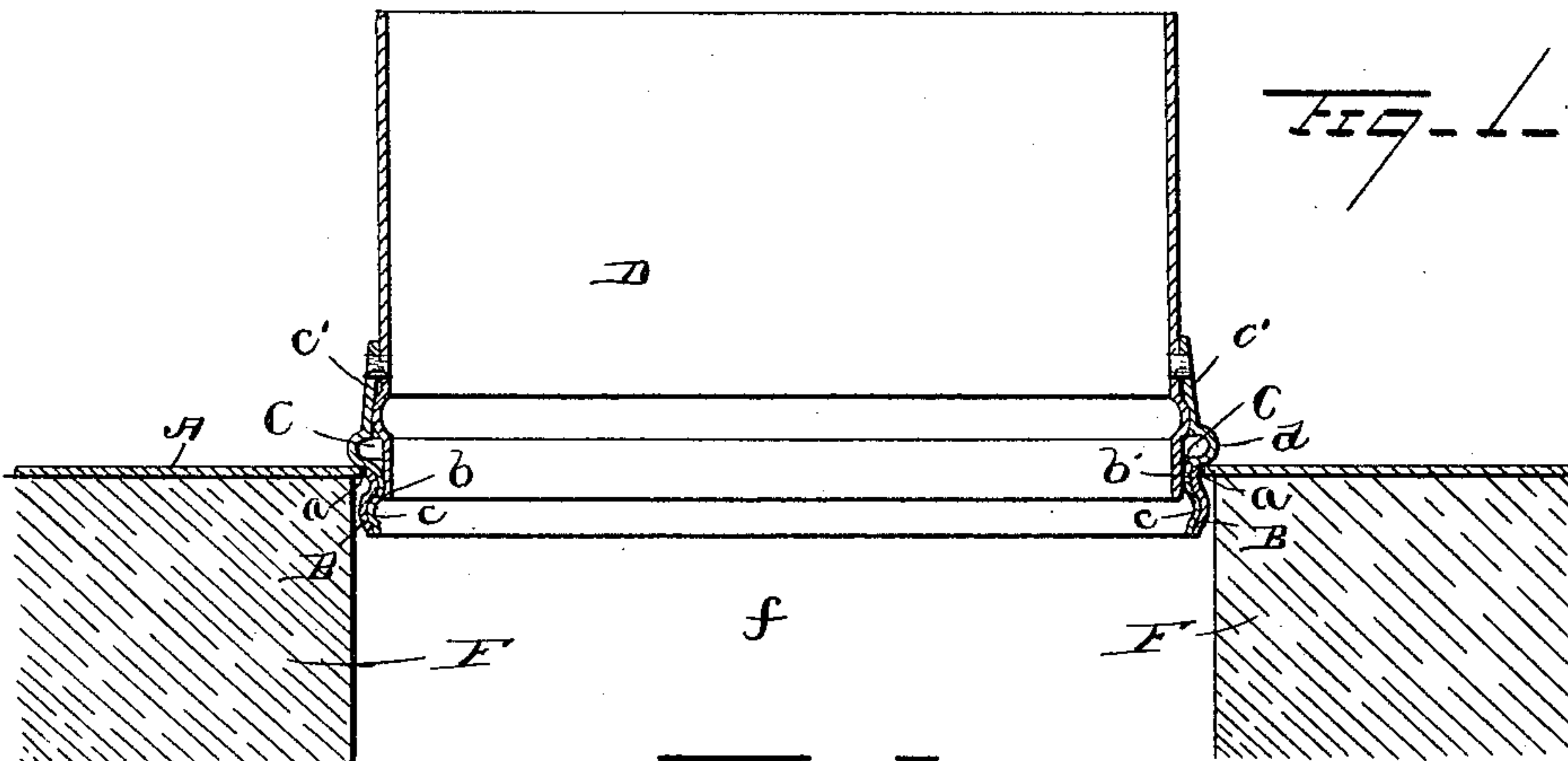
(No Model.)

A. M. MEALEY.

STOVE PIPE ATTACHMENT FOR FLUES.

No. 365,145.

Patented June 21, 1887.



Witnesses

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UNITED STATES PATENT OFFICE.

ALFRED M. MEALEY, OF COLDWATER, KANSAS.

STOVE-PIPE ATTACHMENT FOR FLUES.

SPECIFICATION forming part of Letters Patent No. 365,145, dated June 21, 1887.

Application filed May 15, 1886. Serial No. 202,315. (No model.)

To all whom it may concern:

Be it known that I, ALFRED M. MEALEY, a citizen of the United States, residing at Coldwater, in the county of Comanche and State of Kansas, have invented a new and useful Improvement in Stove-Pipe Attachments for Flues, of which the following is a specification.

This invention relates to improvements in stove-pipe attachments; and it consists of the peculiar combination and novel construction and arrangement of the various parts for service, substantially as hereinafter fully set forth, and specifically pointed out in the claims.

The object of my invention is to provide novel means for securely and rigidly holding in place the end of the stove-pipe that enters a flue or chimney, and to prevent the said pipe from being accidentally detached or falling down, as is sometimes the case; and a further object of my invention is to provide means that can be securely and readily connected to the device in the flue or chimney when the stove-pipe is removed—as, for instance, during the hot or summer season—to prevent water, smoke, or soot from entering the room or apartment through the stove-pipe hole or port.

In the accompanying drawings, Figure 1 is a vertical sectional view through a flue and a portion of a stove-pipe, showing my invention applied thereto. Fig. 2 is a similar sectional view through the flue with my invention applied thereto, showing a cap fitted over the stove-pipe hole. Fig. 3 is a detached perspective view of the stove-pipe, and Fig. 4 is a like view of the annulus.

Referring to the drawings, in which like letters of reference denote corresponding parts in all the figures, A designates the back plate of my improved stove-pipe attachment, which is made of sheet metal, and square, rectangular, round, or of any other preferred shape. This back plate is provided at its center or middle with an opening or hole, *a*, and to the back plate is secured, by solder or other suitable means, an annulus or ring, B, which aligns with the opening *a* in the plate and projects therefrom at an angle. The annulus or ring is rigidly secured to and carried by the plate A, and the ring is threaded interiorly, as at *b*.

C designates a similar ring or annulus that

is exteriorly threaded, as at *c*, and which is adapted to be screwed into the annulus or ring B of the back plate, and the ring C is provided with a series of spaced lugs or flanges, *c'*, which bear upon the outer periphery of a stove-pipe, D, to which the ring C is rigidly secured by means of rivets or bolts passing through the lugs and the stove-pipe. The annulus or ring C is further provided near its outer edges with a raised bead or flange, *d*, that is formed integral therewith, and is made larger in diameter than the diameter of the ring itself, and thereby serves to limit the inward movement of the ring C within the annulus B.

E designates a cap-plate, which is made of any desired shape or form, and provided on its rear face with a projecting rim or flange, *e*, which is exteriorly threaded, as shown, and corresponds in diameter with the diameter of the ring C, the flange *e* being adapted to be screwed into the annulus or ring B of the back plate when the stove-pipe is removed, so that water, soot, smoke, &c., are prevented from escaping into the room or apartment when the stove-pipe is detached.

The use of my invention is obvious. The back plate is rigidly and firmly secured to a flue or chimney, as F, by any suitable means, so that the annulus or ring B extends into the opening or port *f* for the stove-pipe, and is thereby concealed or hid from view. The back plate and ring C may be secured in the chimney or flue by mortar, and thus form a permanent fixture of the flue, and it can be nailed thereto, so that it can be detached when desired. The ring C is rigidly secured to the stove-pipe by rivets or bolts, and the ring C is screwed into the ring B to securely and firmly connect the stove-pipe to the ring B of the back plate and prevent the stove-pipe from movement or falling down, the rotation of the ring C within the annulus B being limited or stopped by the raised bead or flange *d*. When the stove-pipe is removed or detached from the ring B, which can be conveniently accomplished by rotating the pipe-section D and the ring C in the proper direction, the cap-plate E is screwed into the annulus B to prevent the escape of soot, &c., as hereinbefore described.

The cap-plate may be suitably ornamented or finished and provided with a handle or fin-

ger-piece, *g*, for its convenient manipulation.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

- 5 1. The combination of a back plate provided with a central opening and adapted to be rigidly affixed to a chimney or flue, a threaded ring or annulus, *B*, affixed to the rear side of the back plate and arranged in line with the
10 central opening therein, and a similar threaded ring, *C*, adapted to pass through the opening of the cap-plate and screw into the fixed ring thereon, and provided with a rigid stop-flange, *d*, of greater diameter than the ring, and the
15 perforated ears or lugs *c'*, substantially as described, for the purpose set forth.

2. In combination with the back plate, *A*, provided with a central opening and adapted

to be secured to the outside of a chimney or flue, with the central opening of the plate 20 aligning with the flue-hole, a threaded ring or annulus, *B*, affixed to the rear side of the back plate around the opening thereof, and projected into the flue-hole, so as to be concealed from view, and a cap, *E*, provided with a 25 threaded ring, annulus, or flange, *e*, to screw into the annulus *B* and close the flue-hole, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 30 presence of two witnesses.

ALFRED M. MEALEY.

Witnesses:

R. C. PALMER,

JOHN H. MCINTYRE.