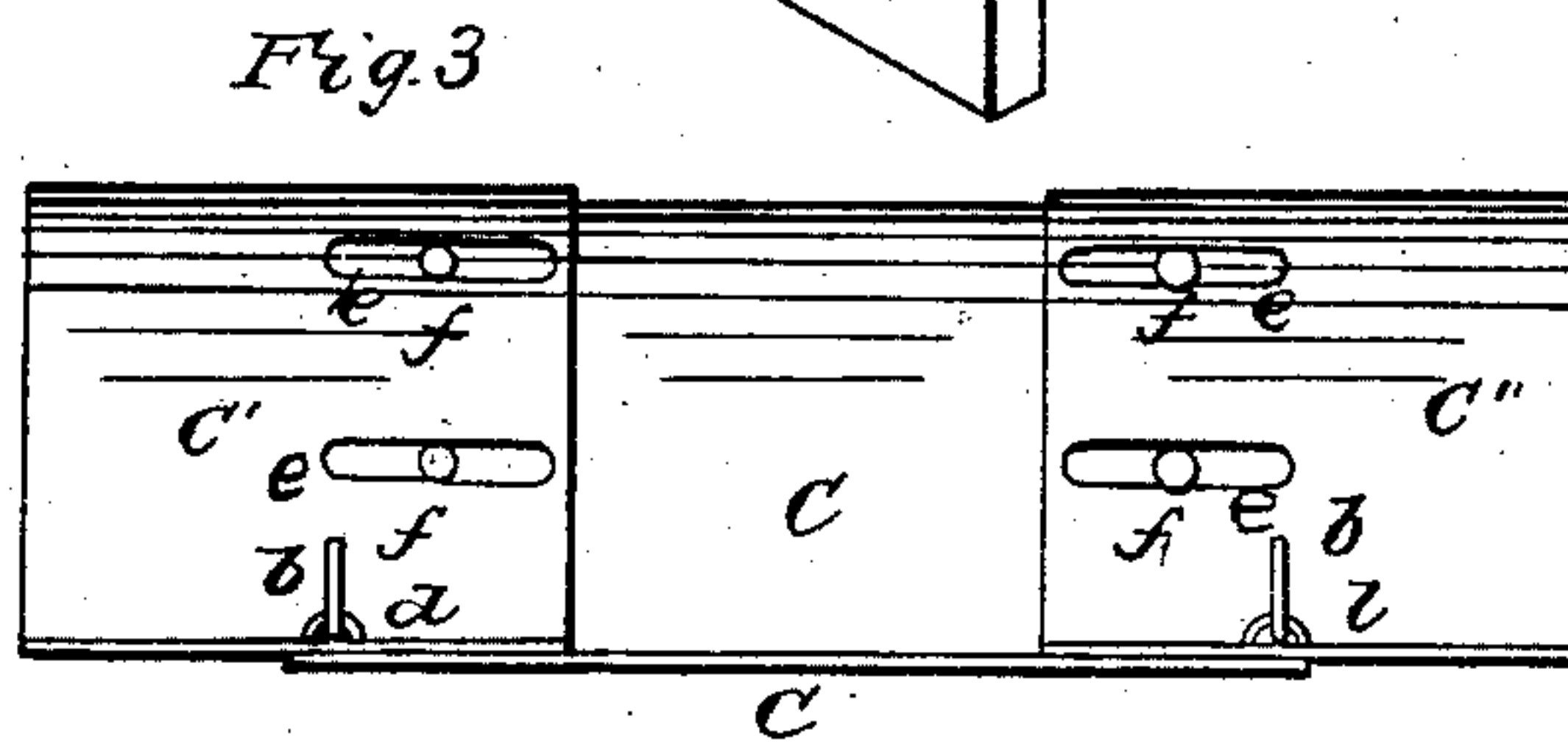
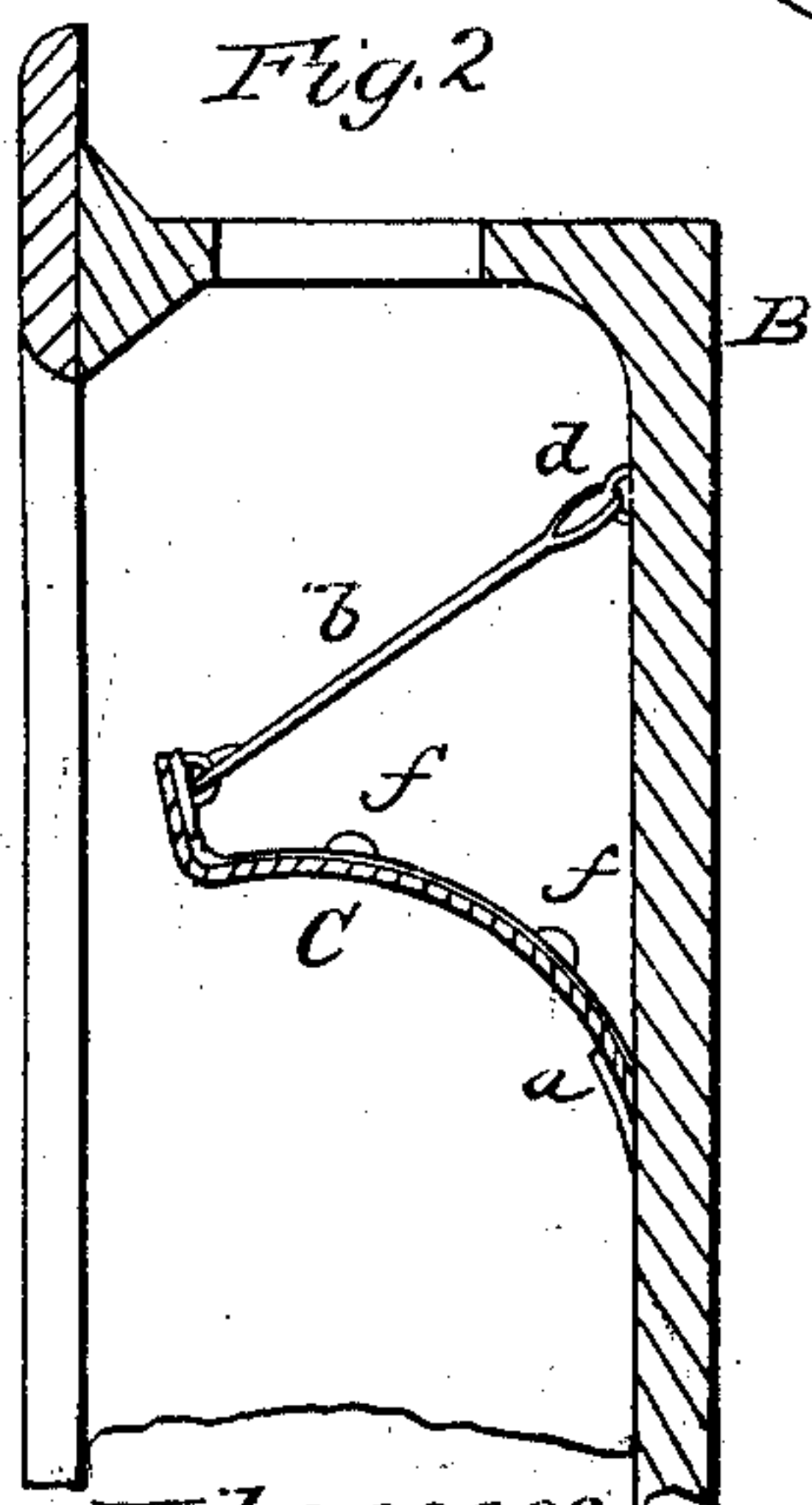
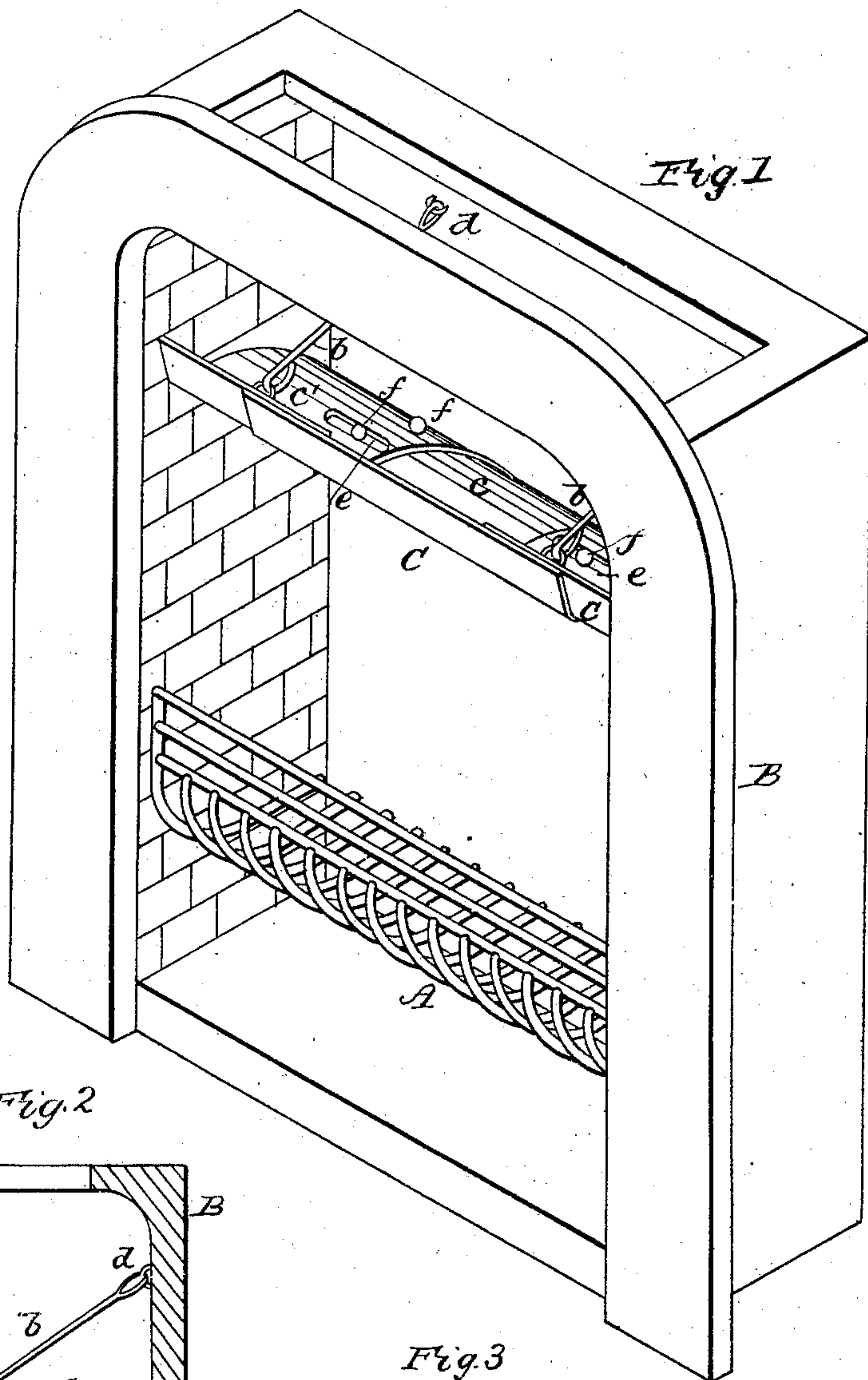


T. F. CARD.  
Fire Place.

No. 27,886.

Patented April 17, 1860.



Witnesses  
Hans Hillward  
C. Steiner Jr

Inventor  
T. F. Card  
Inright Brothers attys

# UNITED STATES PATENT OFFICE.

THOMAS F. CARD, OF CINCINNATI, OHIO.

## FIREPLACE.

Specification of Letters Patent No. 27,886, dated April 17, 1860.

*To all whom it may concern:*

Be it known that I, THOMAS F. CARD, of Cincinnati, Hamilton county, Ohio, have invented a certain new and useful Improvement in Fireplaces; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification.

10 My invention relates to fire places or grates having overhanging plates which serve to prevent the escape of unconsumed gases, and tend to effect a proper distribution of heat; and consists in so constructing  
15 the plate that it may be extensible to suit different widths of fire places, and adjustable in height or distance from the fire.

In the accompanying drawings Figure 1, is a perspective view of a fire place with my improved plate attached. Fig. 2, is a vertical section of the same. Fig. 3 is a top view of the extensible plate detached from the fire place.

25 A is the grate, B the brick work setting of the fire place and C the overhanging plate which may be curved as shown or otherwise. This plate is rendered capable of extension, and vertical adjustment by the following devices. It is composed of three sections

*c c' c''*. The end sections *c' c''* lap over section *c* and are provided with slots *e*, which slide for the adjustment of the plate on headed pins *f* fixed to the center section *c*. The plate C is extended to the width of the grate to which it is applied and is supported at its inner end on pins *a a* driven in the brick work. Its outer end is supported and braced by rods *b, b*, attached to staples or hooks *d*. The staples or hooks *d* and pins *a* may be driven in at any height desired so that the plate C may be fixed at the requisite distance from the fire.

I claim as new and of my invention herein and desire to secure by Letters Patent—

The arrangement of the center plate *c*, side plates *c' c''*, slots *e*, pins *f*, supporting rods *b*, and pins hooks or staples *a* and *d*, the whole being constructed and combined in the manner set forth to form a movable and adjustable deflecting plate adapted to be applied at any height to a fire place of any dimensions.

In testimony of which invention, I hereunto set my hand.

THOS. F. CARD.

Witnesses,

GEO. H. KNIGHT,  
OCTAVIUS KNIGHT.