

(No Model.)

A. B. KINGSLAND.
ADJUSTABLE STOVE PIPE THIMBLE.

No. 313,342.

Patented Mar. 3, 1885.

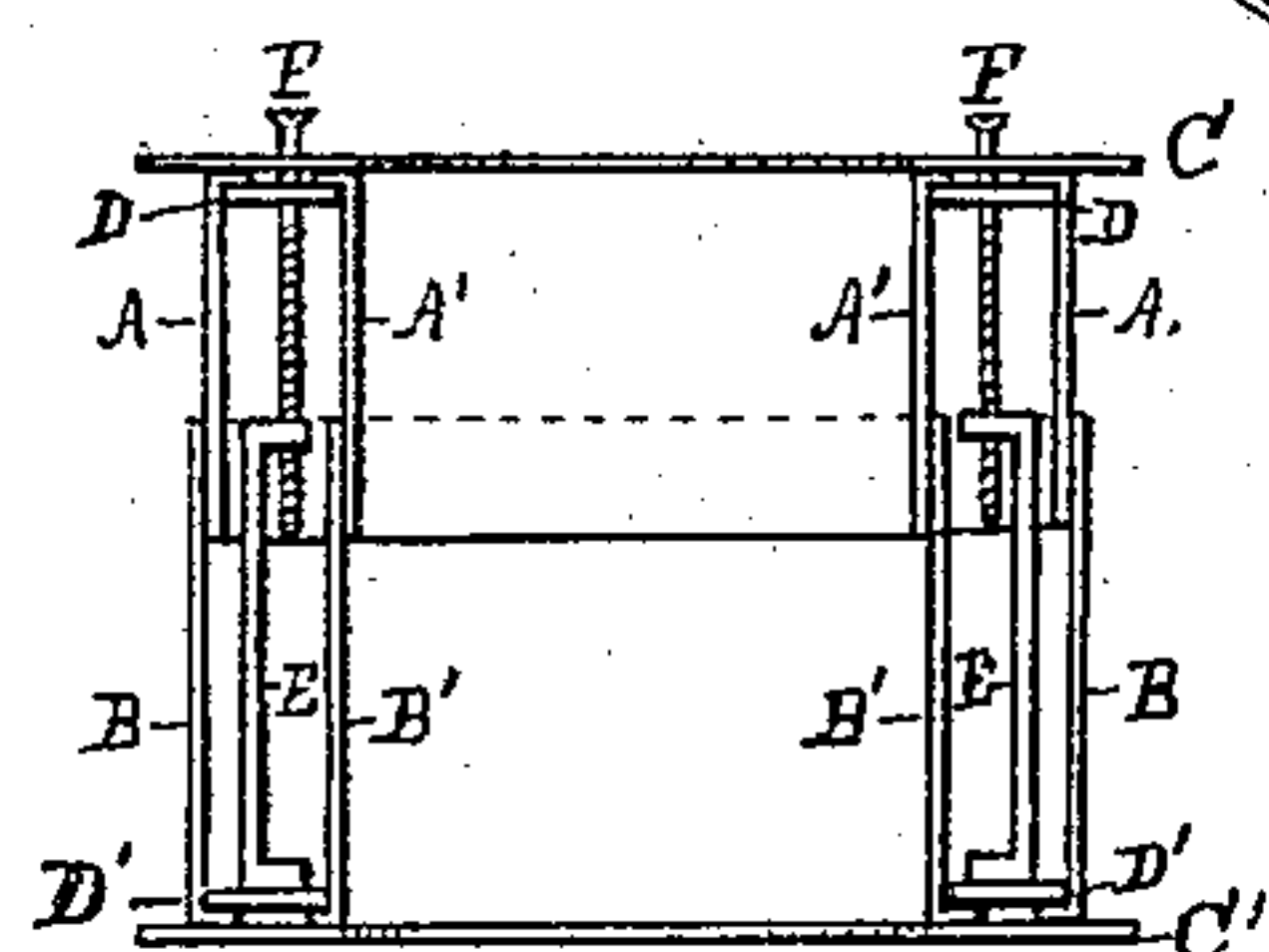
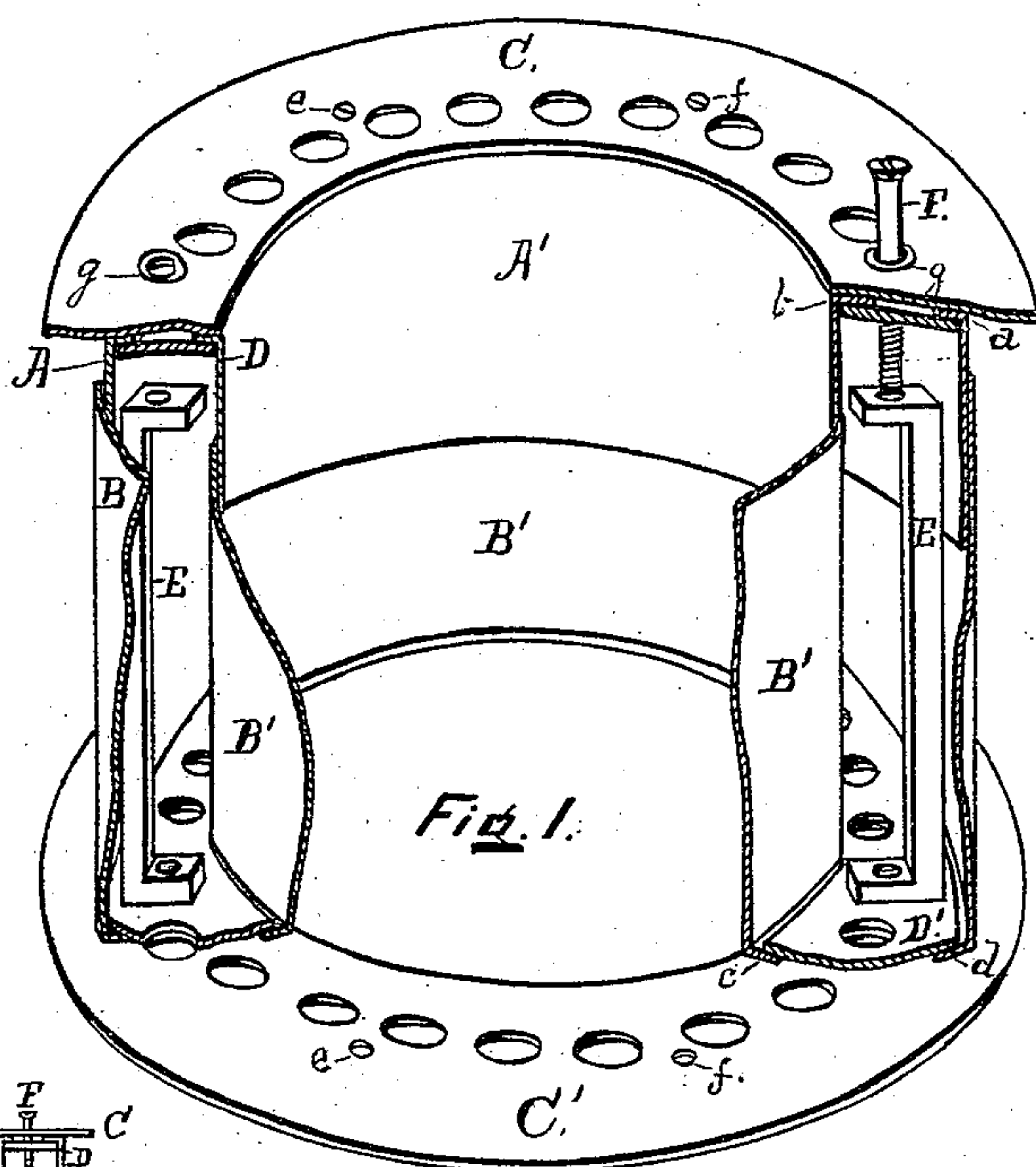
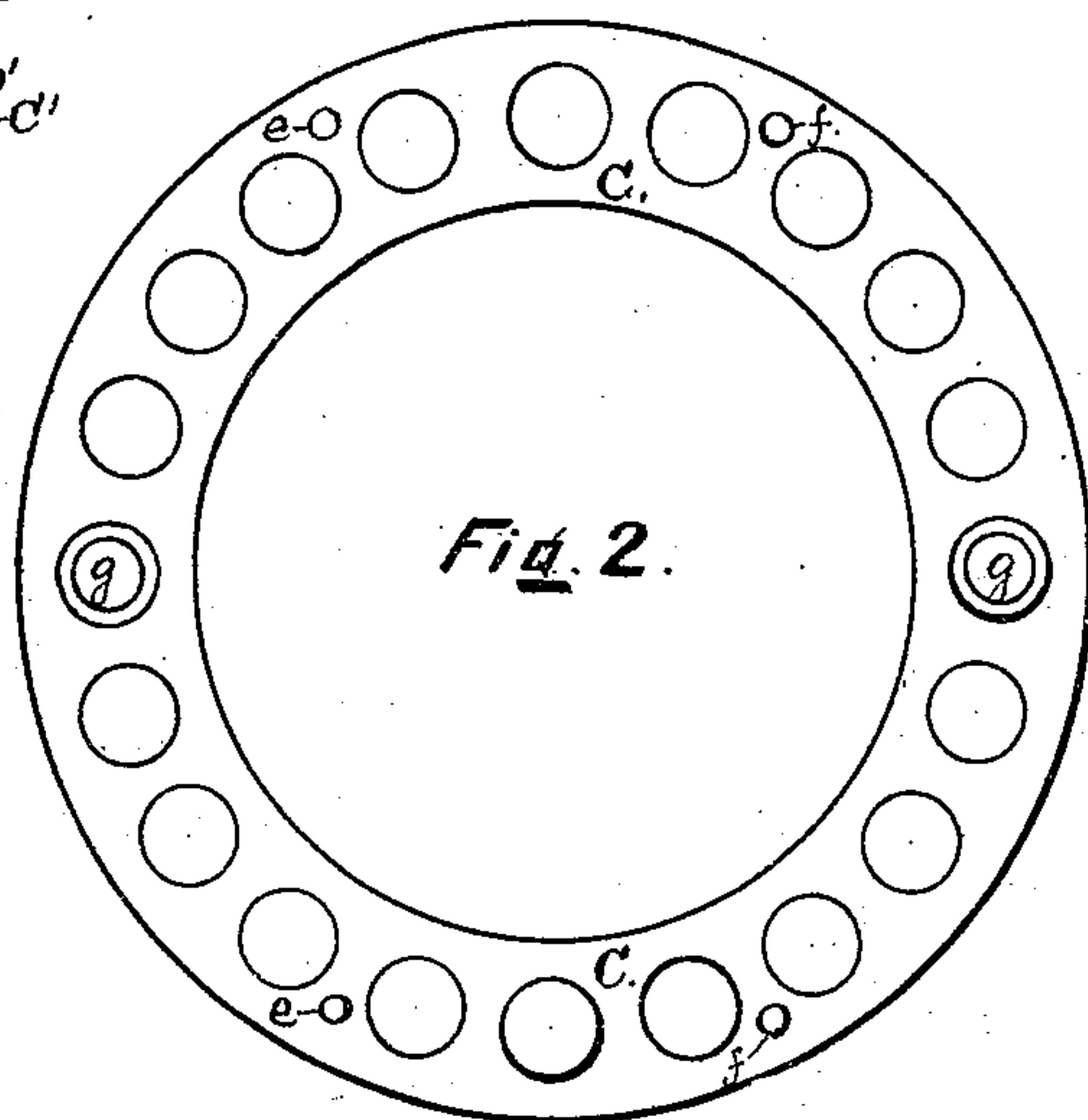


Fig. 3.



Witnesses:
James A. Harvey
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Atty.

UNITED STATES PATENT OFFICE.

ALLAN B. KINGSLAND, OF BURLINGTON, VERMONT.

ADJUSTABLE STOVE-PIPE THIMBLE.

SPECIFICATION forming part of Letters Patent No. 313,342, dated March 3, 1885.

Application filed December 6, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALLAN B. KINGSLAND, a citizen of the United States, residing at Burlington, in the county of Chittenden and State Vermont, have invented certain new and useful Improvements in Adjustable Stove-Pipe Thimbles, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improved construction of adjustable stove-pipe thimbles; and it consists, first, in two double cylinders which constitute the thimble, each being firmly attached to an exterior ventilating-rim by means of a correspondingly-ventilated interior plate which rests upon inwardly-projecting flanges in the edges of the two cylinders, and is bolted to the exterior rim between the cylinders; second, in the connection of the two double cylinders by placing one set within the other, and attaching the two sets together by means of adjustable screw-bolts which pass through holes in the ventilating-plates of one set and screw into the outer flanges of corresponding angle or channel irons, the inner flanges of which are so bolted to the interior face of the ventilating-plates of the other set that these irons form supports or braces for the exterior cylinders of the thimble when they are adjusted to each other, thereby increasing the stiffness of the exterior sides of the thimble and enabling them to more successfully withstand all outside pressure or weight when in position.

In the drawings, in which similar letters indicate like parts, Figure 1 is a cross-section in perspective of the double cylinders when combined to form the thimble. Fig. 2 is a plan view of the ventilating-rim. Fig. 3 is a cross-sectional view of the adjustable thimble.

A A' represent, respectively, the outer and inner cylinders of one set of the adjustable thimble, and B B' the outer and inner cylinders of the other set, the two first cylinders being designed to set, respectively, within the last two cylinders.

CC' are the ventilating-rims of the two sets, and DD' their respective interior correspond-

ingly-ventilated plates, which are intended to secure each set of cylinders to their respective ventilating-rims by confining the inwardly-projecting flanges *a, b, c,* and *d* between them and their rims CC', to which they are respectively bolted by screws *e* and *f*, which enter the rims from the outside, and thus avoid the necessity of uniting them to ears or shoulders projecting from the under face of the rims—an exceedingly inconvenient and difficult operation, on account of the depth and limited space between the cylinders in which the work has to be performed.

EE are angle or channel irons, one flange of which is so bolted to the rim C' and its interior plate, D', as to allow only sufficient space between the outside of its upright or long arm and the exterior cylinder, B, for the insertion between them of the corresponding exterior cylinder, A.

FF are screw-bolts, which pass through holes *g g* in the rim C and plate D of the interior cylinders, A A', and thence into the upper flanges of the angle or channel irons EE, for the purpose of adjusting the length of the thimble to the thickness of the floor or wall in which it may be placed. Thus constructed, when the two sets are joined, the channel-irons, by being rigidly attached to the substantial ventilating-rims instead of to the yielding sides of the cylinder, and so placed as to brace against the sides of the exterior cylinders, serve both to add to the firmness and rigidity of the entire thimble and to support any exterior pressure to which it can be made liable.

The holes in the ventilating-rims for the several bolts employed are countersunk, so that the heads of the bolts may be flush with the exterior face of the ventilating-rim, thus forming a smooth surface, which is especially desirable.

What I claim is—

1. In a stove-pipe thimble or sleeve, the combination of the exterior and interior cylinders having inwardly-bent flanges at their ends, ventilating-rims which bear against the ends of the cylinders, and interior plates which rest against the inwardly-projecting

flanges of the cylinders and which are bolted to the rims, substantially as and for the purposes set forth.

5 2. The combination of the rims C C', the two sets of cylinders A A' B B', having inwardly-projecting flanges at their inner ends, the plates D, bolts F, and the irons E, substantially as shown.

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

ALLAN B. KINGSLAND.

Witnesses:

CHARLES E. ALLEN,
CHAS. F. LEWIS.