

No. 869,775.

PATENTED OCT. 29, 1907.

H. D. FRISBIE, SR.  
FIREPLACE HEATER.  
APPLICATION FILED FEB. 2, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

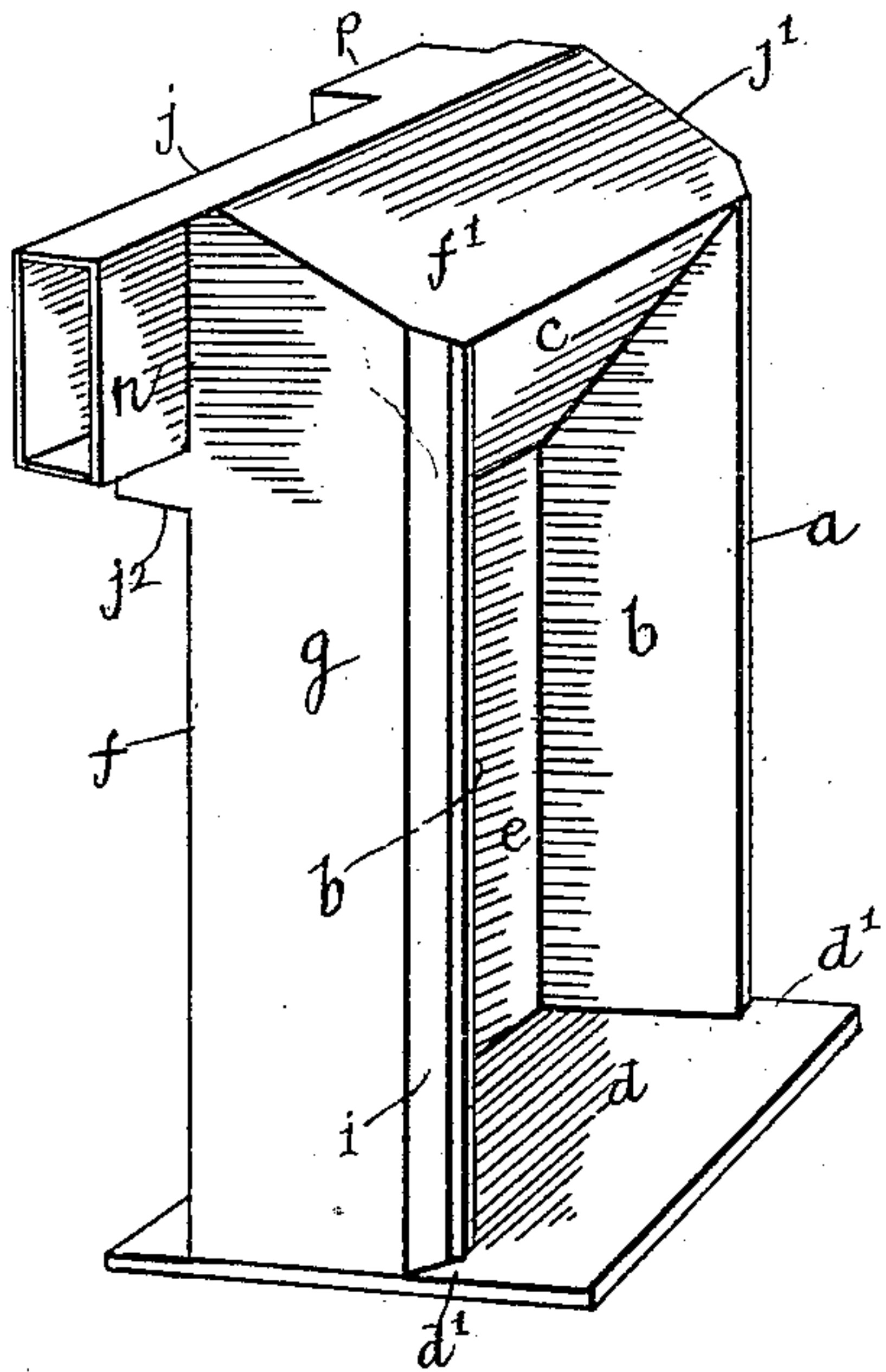


Fig. 2.

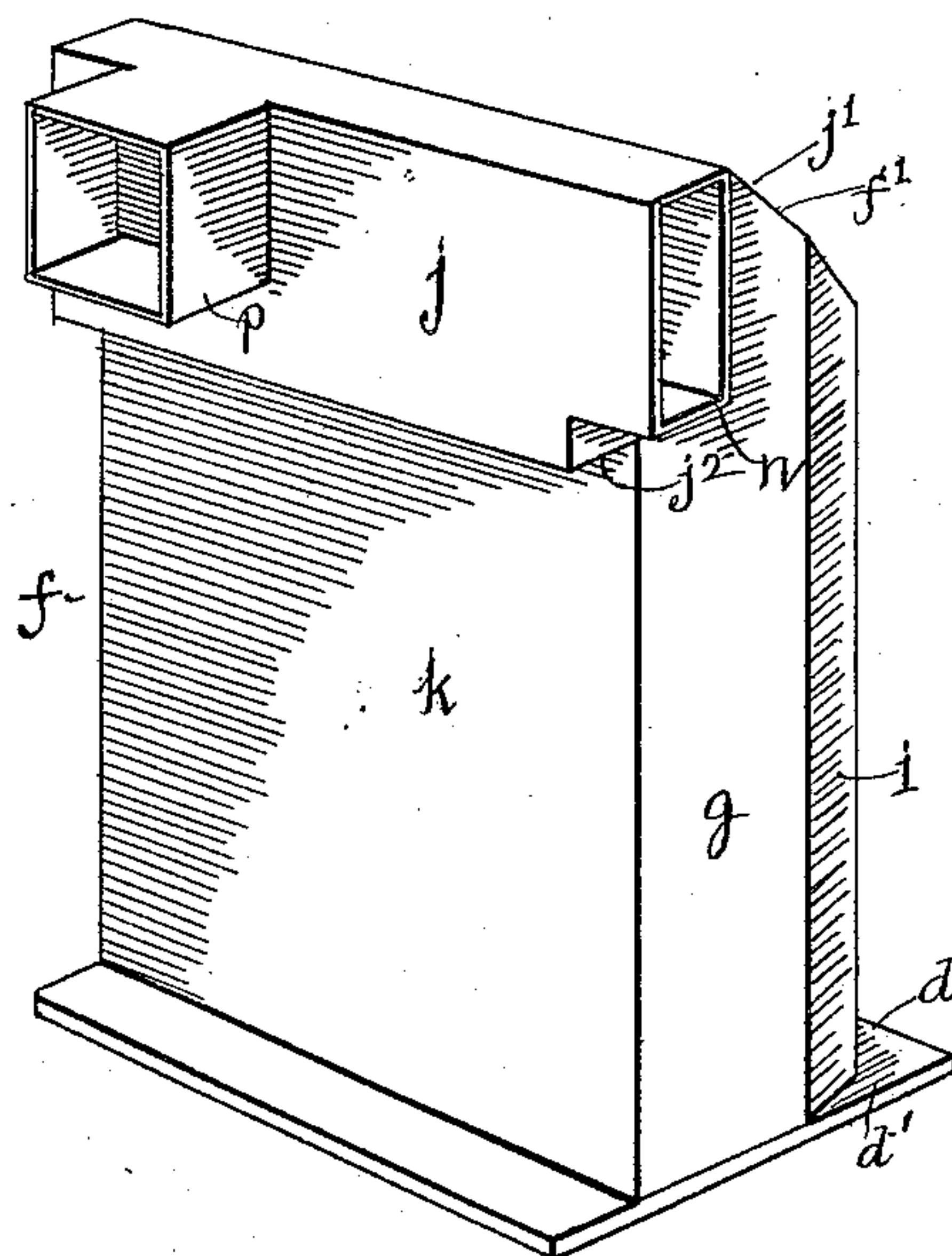
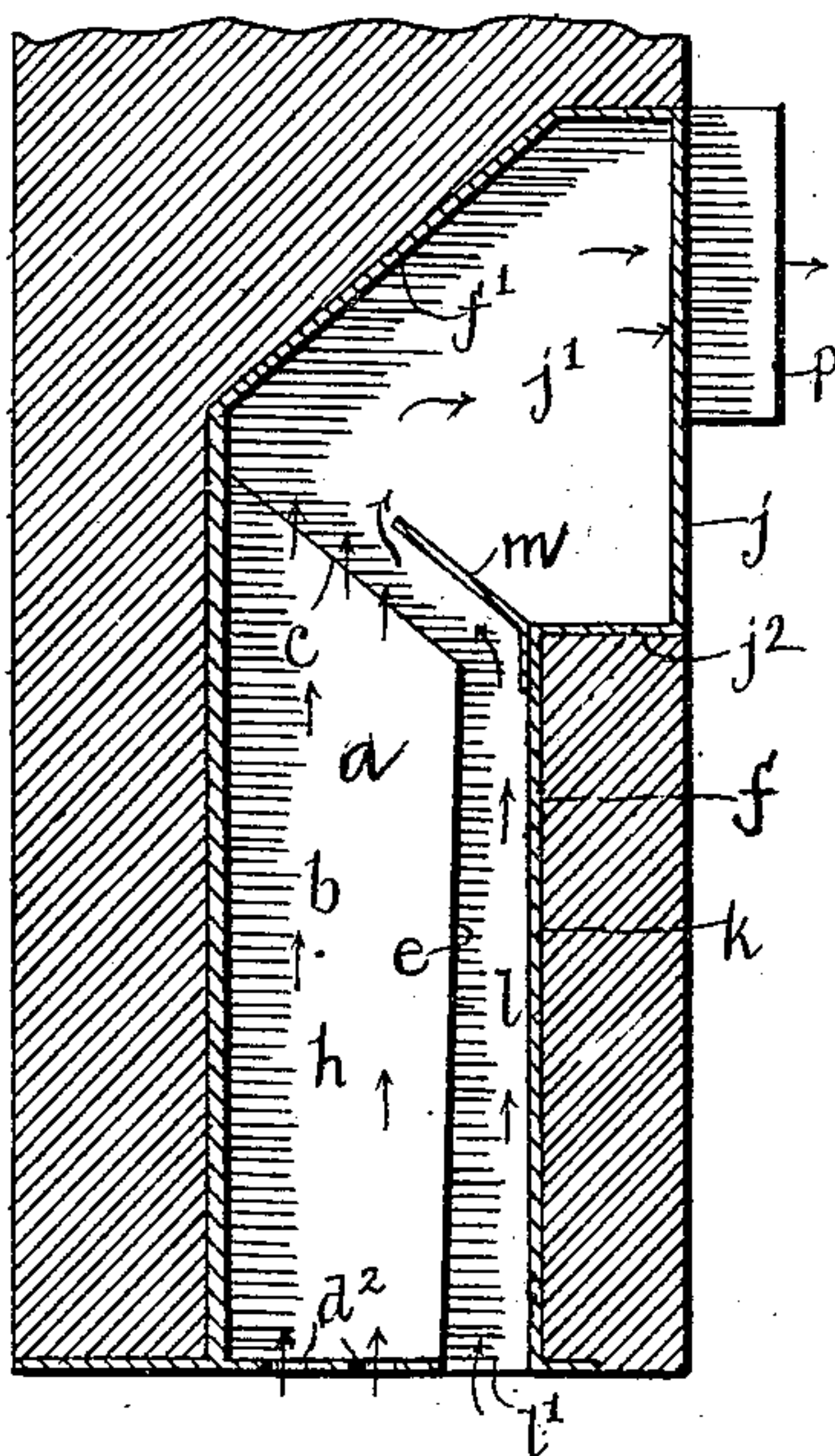


Fig. 3.



Witnesses

Stuart Hilder.  
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his Attorney

Inventor

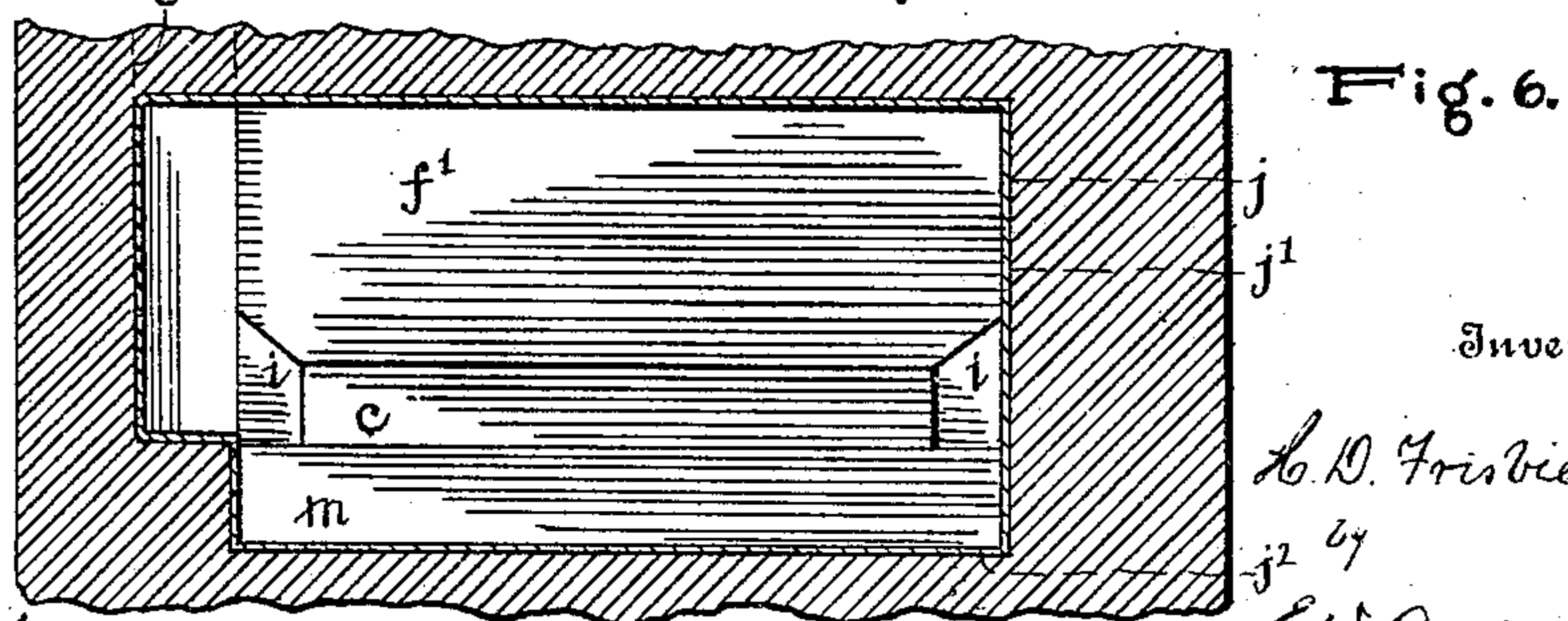
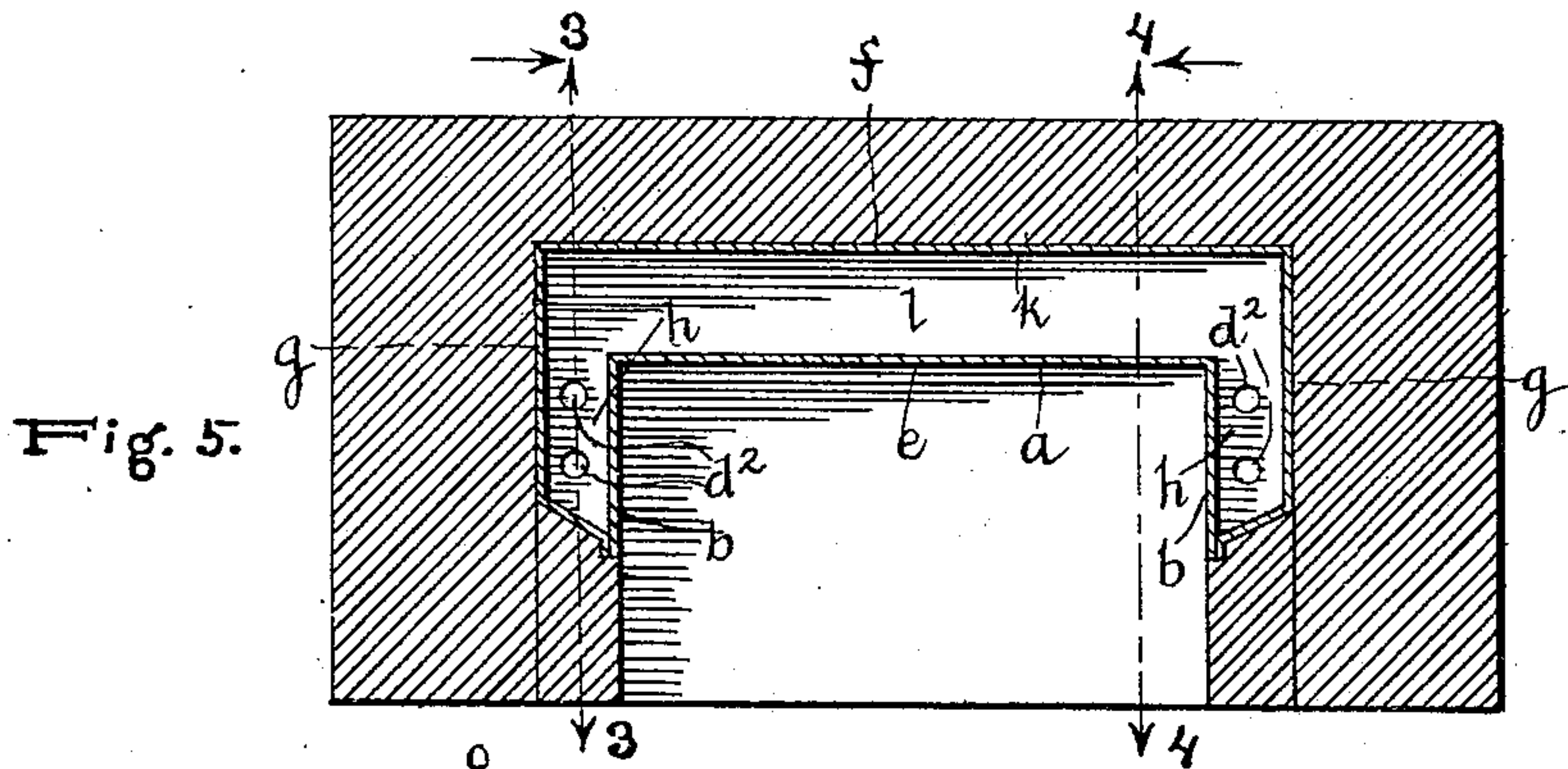
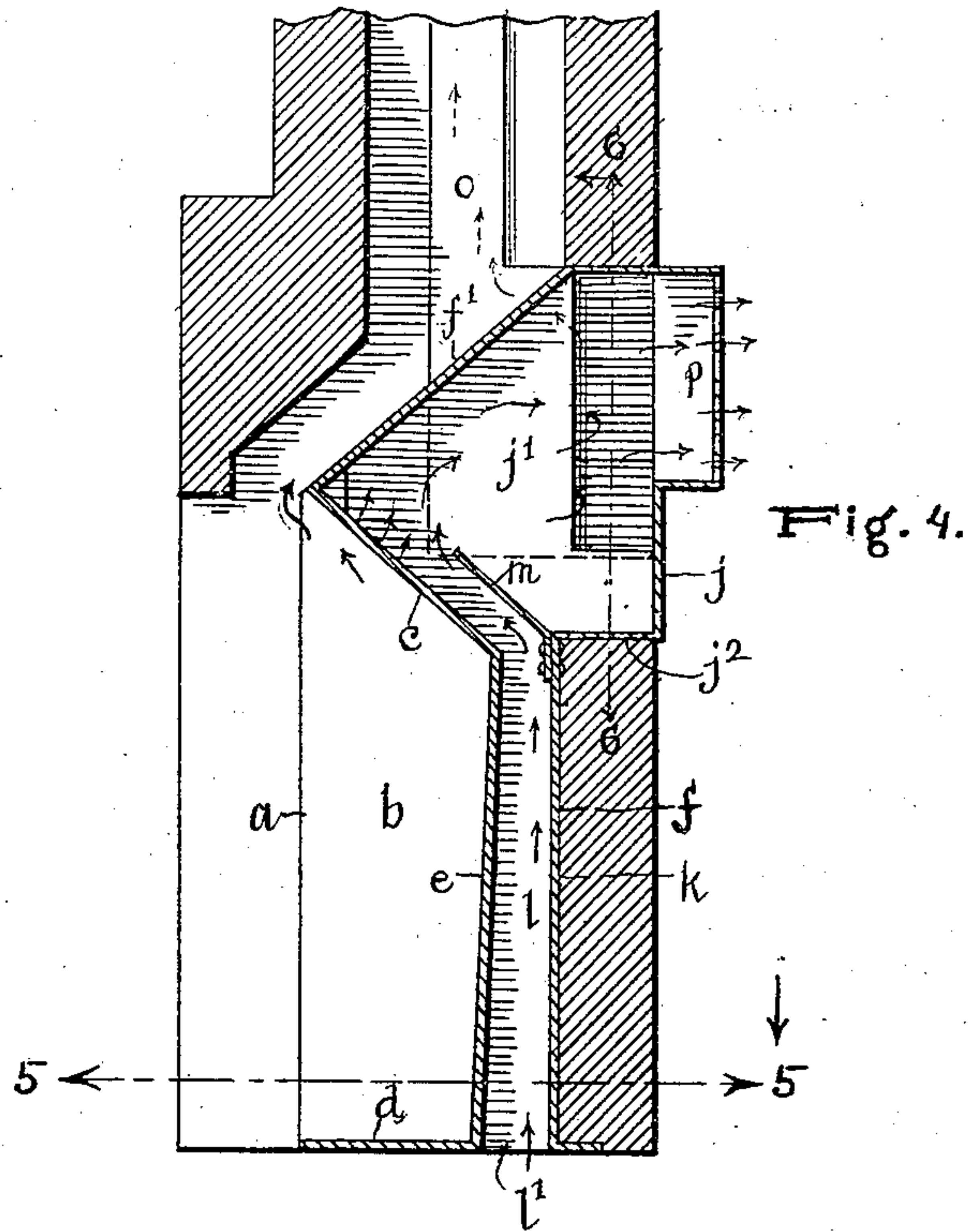
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2 SHEETS—SHEET 2.



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# UNITED STATES PATENT OFFICE.

HARRY D. FRISBIE, SR., OF CYNTHIANA, KENTUCKY.

## FIREPLACE-HEATER.

No. 869,775.

Specification of Letters Patent.

Patented Oct. 29, 1907.

Application filed February 2, 1907. Serial No. 355,517.

*To all whom it may concern:*

Be it known that I, HARRY D. FRISBIE, Sr., a citizen of the United States, resident of Cynthiana, in the county of Harrison and State of Kentucky, have made  
5 a certain new and useful Invention in Fireplace-Heaters; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accom-  
10 panying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 is a perspective view of my fire place heater. Fig. 2 is a similar view of the same in a different position. Fig. 3 is a section on the line 3—3, Fig. 5. Fig.  
15 4 is a section on the line 4—4, Fig. 5. Fig. 5 is a section on the line 5—5 Fig. 4. Fig. 6 is a section on the line 6—6, Fig. 4.

The invention has relation to fire place heaters, having for its object the provision of improved means of  
20 simple and efficient character for application to an open fire place, whereby upper and back or adjoining rooms may also be heated.

With this object in view, the invention consists in the novel construction and combinations of parts, as  
25 hereinafter set forth.

Referring to the accompanying drawings, illustrating the invention, the letter *a* designates the fire place or inner section of my heater, having vertical side walls *b, b*, an outward and upward inclined top wall  
30 *c*, a horizontal bottom wall *d*, having lateral extensions *d'* at each side beyond the side walls *b, b*, and a vertical back wall *e*. Secured to this fire place or inner section is an outside casing *f*, having an inward and upward inclined top wall *f'*, meeting the top wall  
35 *c* of the fire place section at the front; vertical side walls *g, g*, separated from the side walls *b, b*, of the inner section by vertical intervals or flues *h, h*, at each side, said walls *g, g*, resting upon the lateral extensions  
40 *d'* of the bottom wall of the fire place section, and inward inclined vertical front extensions *i, i*, meeting the side walls of the inner section at the front thereof; a rearward offset vertical quadrangular prismatic extension *j*, forming the third side of the triangular prismatic drum *j'* formed by the walls *c, f'*, and the ex-  
45 tension *j*, such extension being open at the rear into the hollow interior of such drum; and a vertical back wall *k*, in line with the inner edge of the extension *j*, and meeting its bottom wall *j<sup>2</sup>* at right angles.

The back wall *k* of the casing *f* is separated from the  
50 back wall *e* of the fire place section by a vertical interval or flue *l*, open at the bottom at *l'*, and at its open top communicating with the hollow interior of the drum *j'*, over the top of the fire place.

Cold air is admitted underneath the fire place by any  
55 suitable means and passes through the perforations

*d<sup>2</sup>*, *d<sup>2</sup>* of the bottom wall of the fire place section, and through the open bottom *l'* of the flue *l*, upward within such flue and the lateral flues *h, h*, surrounding the three sides of the fire place, into the drum *j'*, the air passing  
60 upward in the rear flue *l* being deflected forward over the top of the fire place by an outward and upward inclined flange or apron *m* parallel to the top wall *c* of the fire place, and jutting from the angular intersection of the back wall *k* of the casing *f* with the bottom wall  
65 *j<sup>2</sup>* of the extension *j*. This extension *j* has at one end a lateral projection *n* in line therewith for connection with a vertical flue *o* at one side of the chimney breast, thus conveying the heated air to the room or rooms  
70 above. A rearward projection *p* of the extension *j* at right angles thereto, is designed to pass through the back wall of the chimney to the adjoining room in the rear, for a further conveyance of the heated air to such room.

The fire place section and casing section, with its rearward extension and other parts are designed to be cast  
75 from suitable metal and riveted or otherwise secured together to form a unitary piece which is capable of ready insertion into a fire place, when it is easily connected up with the various rooms. Different sizes of the heater are designed to be made for different sizes  
80 of fireplaces.

The smoke passes upward in the fire place along the top wall thereof and thence into the smoke flue which opens at the front of the fire place.

Parts of the device may be formed of sheet iron. 85  
The quadrangular extension *j* fits in an opening of similar size formed in the back wall of the chimney.

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

In a fire place heater, the combination with a fire place  
90 section having side walls, a rear wall, and an outward and upward inclined top wall, of a casing section having an inward and upward inclined top wall meeting and secured to the top wall of the fire place section at its outer edge, side  
95 walls connected to the top wall thereof and to the side walls of the fire place section at their outer edges, and a rear wall connecting the side walls thereof, said inward and upward inclined top wall and the rear wall of the casing section having rearward extensions provided with a  
100 connecting rear wall forming a drum having a rearward offset chamber extension, and the rear wall of the casing section having a deflecting flange at its top, the chamber extension of the drum having a tubular projection for piping connection, such heater having vertical lateral flues be-  
105 tween the side walls of the two sections and opening at the top thereof into the drum, and a vertical rear flue between the rear walls of the two sections and also communicating at the top thereof with the drum.

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

HARRY D. FRISBIE, SR.

Witnesses:

H. K. TAYLOR,

JAS. M. RANKIN.