

No. 876,692.

PATENTED JAN. 14, 1908.

E. C. L. CLOSE.
FIREPLACE OR STOVE.
APPLICATION FILED JULY 19, 1907.

Fig. 1

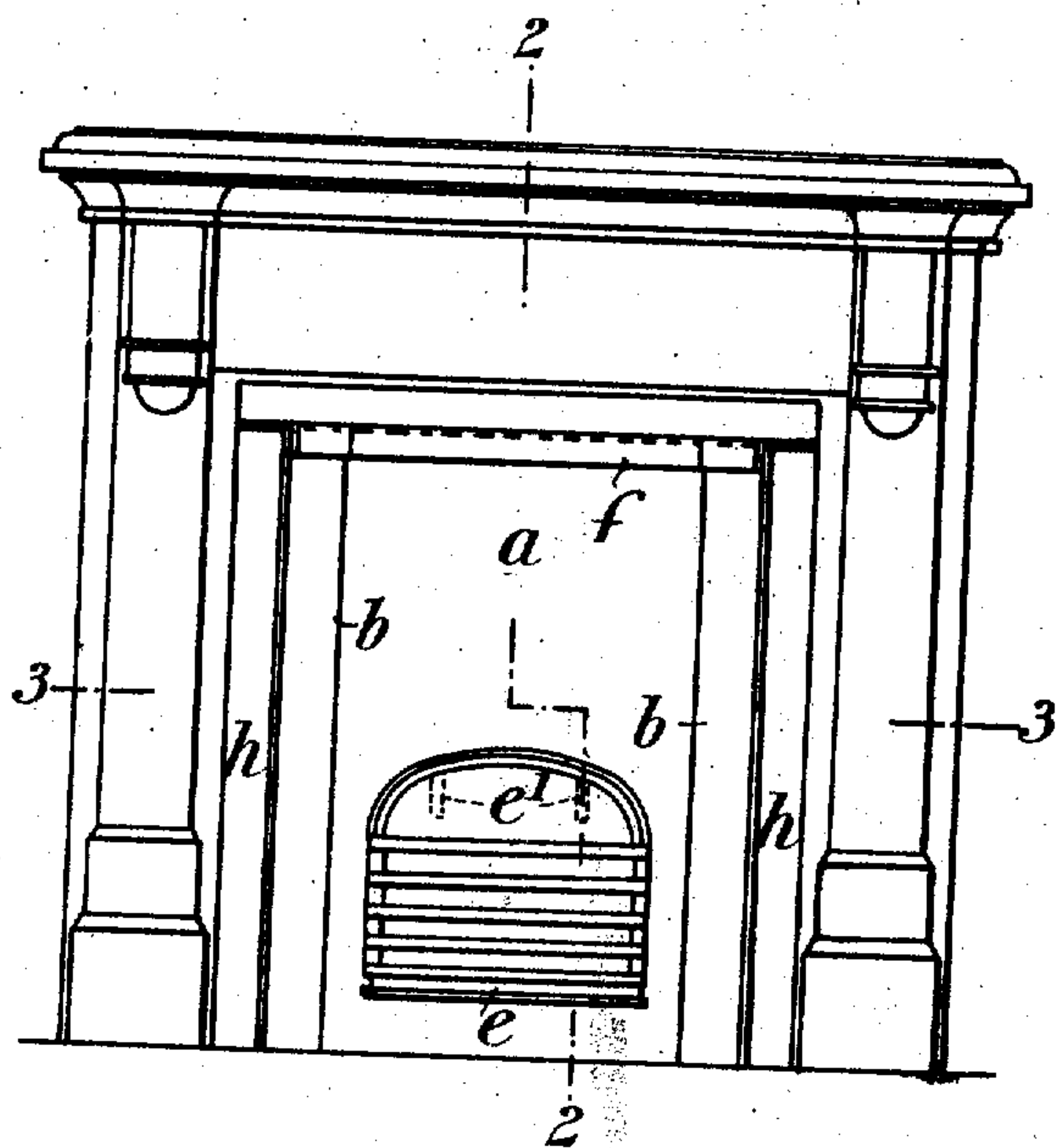


Fig. 2

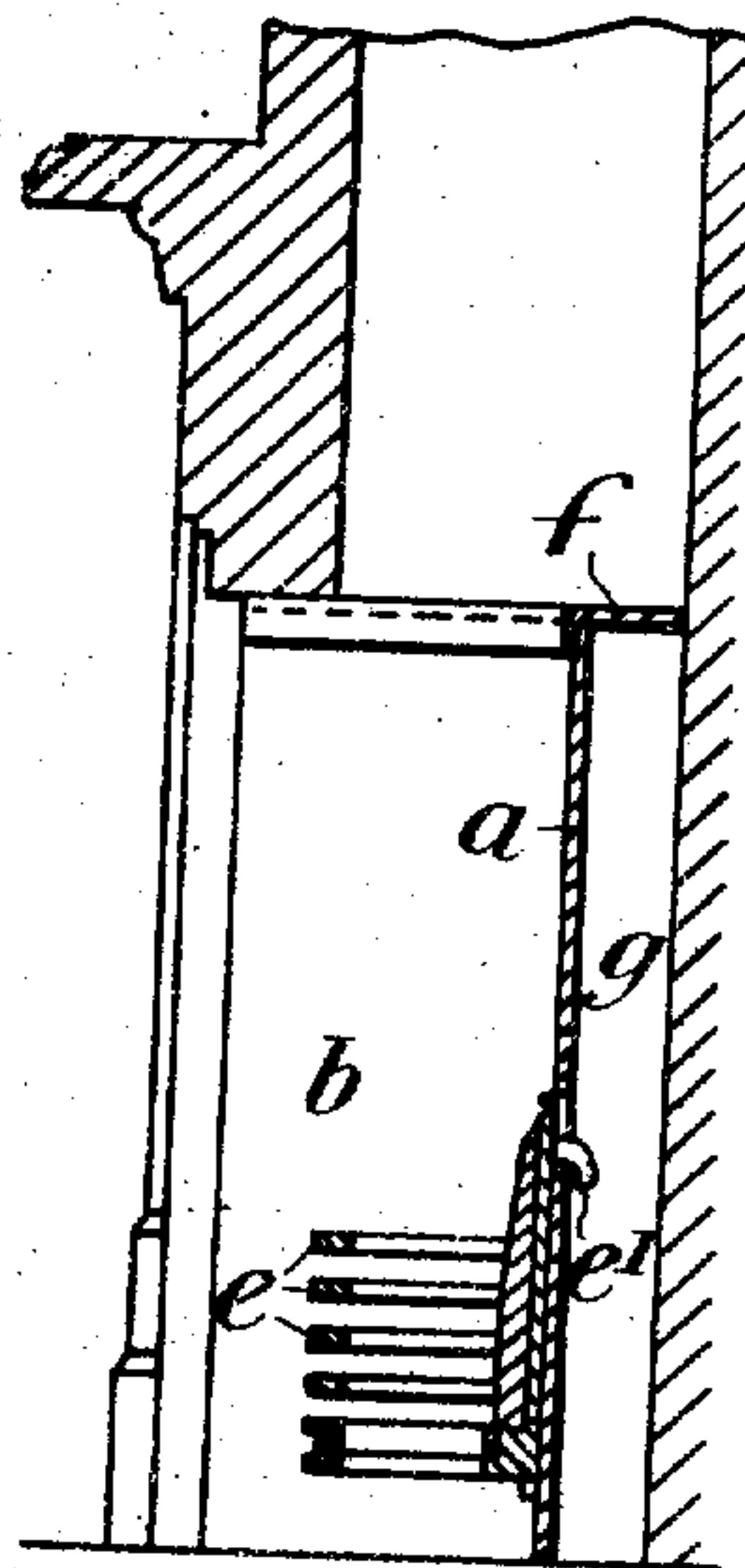


Fig. 3

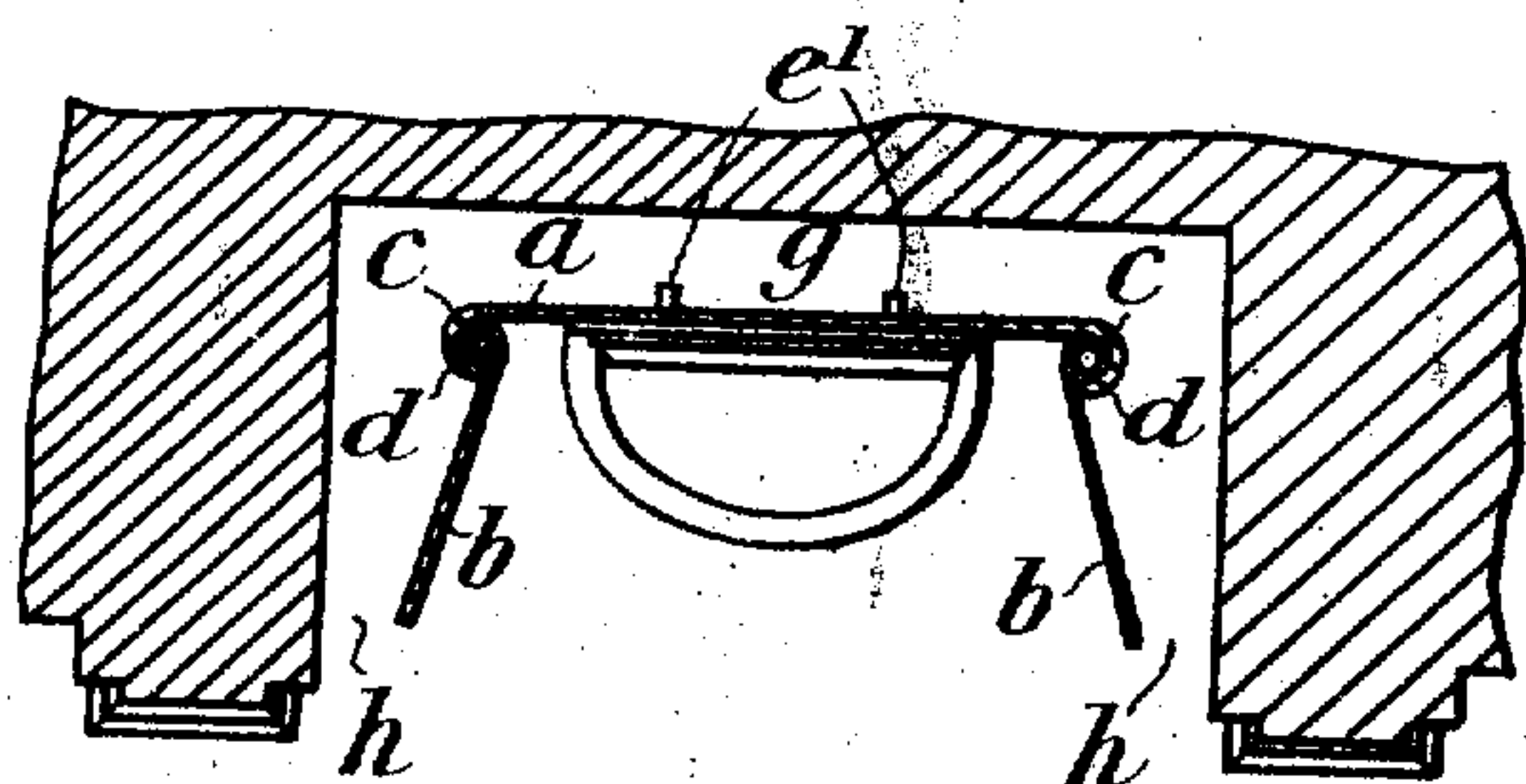
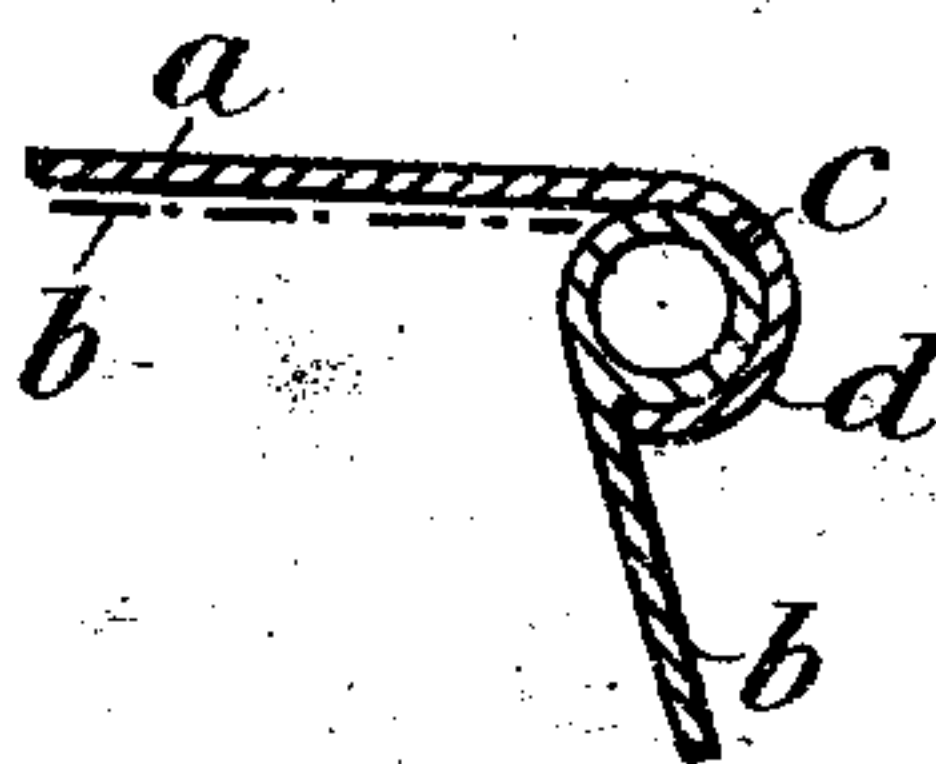


Fig. 4



Witnesses
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UNITED STATES PATENT OFFICE.

ELLINOR CAROLINE LOUISA CLOSE, OF LONDON, ENGLAND.

FIREPLACE OR STOVE.

No. 876,692.

Specification of Letters Patent.

Patented Jan. 14, 1908.

Application filed July 19, 1907. Serial No. 334,625.

To all whom it may concern:

Be it known that I, ELLINOR CAROLINE LOUISA CLOSE, a subject of the King of Great Britain, residing at 101 Eaton Square, London, England, have invented new and useful Improvements in Fireplaces or Stoves, of which the following is a specification.

My invention relates to fire-places or stoves of the portable type, the object of my invention being to provide a stove which can be folded so as to render it more portable, which is more readily placed in position and is of cheaper construction than stoves of the same kind heretofore made.

A stove made in accordance with my invention is provided with two side plates or wings which are pivoted to a back plate upon which the grate or fire-basket is hung and with a top plate which serves to isolate the space behind the stove from the chimney. In placing the stove in position the wings are extended more or less according to the size of the chimney opening, spaces being left between the said wings and the walls for allowing the air to circulate in contact with the heated surfaces of the stove.

To enable my invention to be fully understood, I will describe the same by reference to the accompanying drawing, in which:—

Figure 1 is a front view showing my improved stove in position in the chimney opening. Fig. 2 is a section on the line 2—2, Fig. 1. Fig. 3 is a section on the line 3—3, Fig. 1, and Fig. 4 is a view of a detail drawn to a larger scale than the other figures.

a is the back plate of the stove and *b, b* are the wings hinged thereto. In the drawing circular ribs *c*, (Figs. 3 and 4) are formed on the rear edges of the said wings which ribs are inserted into correspondingly shaped channels *d* formed on the lateral edges of the back plate *a*, the opening into the said channels being less than the diameter of the ribs on the wings so that the latter can only be inserted or removed by moving them in the longitudinal direction relatively with the back plate. With this arrangement it will be seen that the wings can be folded to lie against the back plate *a*.

e is the grate proper or fire-basket which is carried by the back plate *c* and advantageously by means of hooks *e'* which are inserted through apertures in the said back plate so as to permit of the fire basket being readily removed for transport.

f is a plate which is adapted to lie upon the top edge of the back and wings and to cover the space *g* between the latter and the chimney opening so as to prevent smoke from passing down into this space, and the warmed air escaping up the chimney.

In placing the stove in position no fixing is required, the wings being simply extended so that openings *h, h* are left between the front edges of the wings and the chimney opening to allow air from the room or apartment in which the stove is used to enter into the space *g* whereby it is heated, and then to again escape.

In practice it will be found that a stream of air will constantly enter through the lower portions of the openings *h, h* and being warmed, escape from the upper portions of the said openings.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. In a portable stove, the combination with a back plate having its side edges turned up so as to form channels, the diameters of which are greater than the distance between the turned up edges and the back plate, and wings provided with parts adapted to be sprung into said channels thereby pivotally connecting said wings and back plate, substantially as described.

2. In a portable stove, the combination with a back plate having its side edges turned up so as to form channels, greater in diameter than the distance between the turned up edges and the back plate and wings provided with circular ribs adapted to be sprung into said channels, substantially as described.

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Witnesses:

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