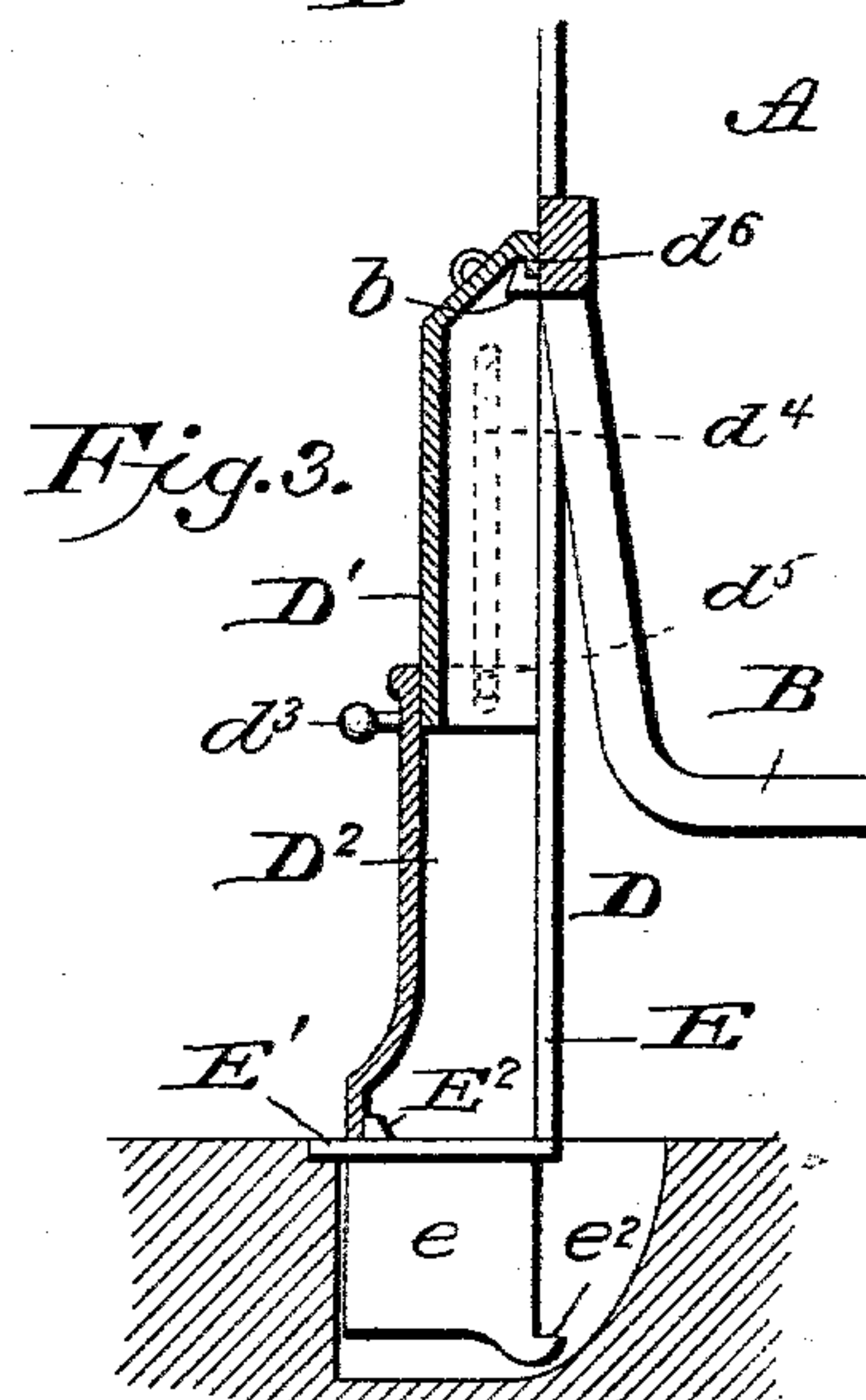
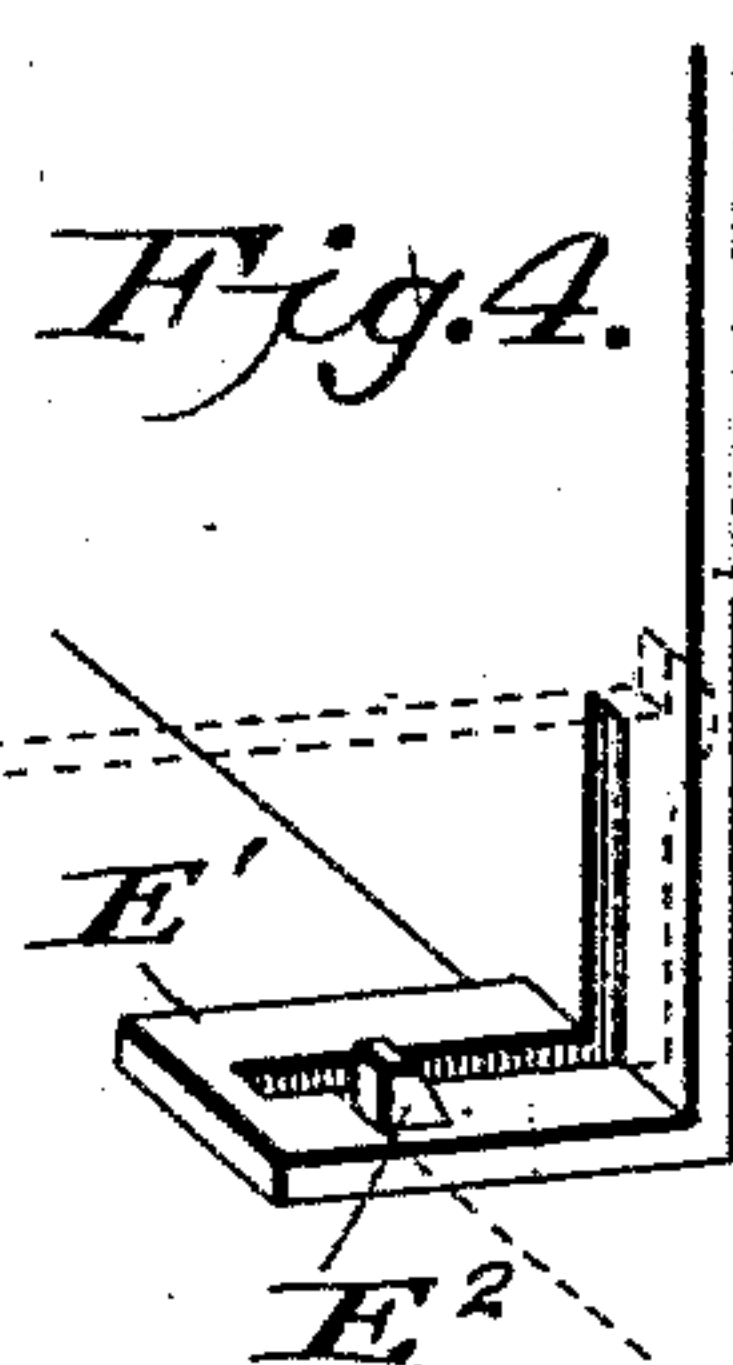
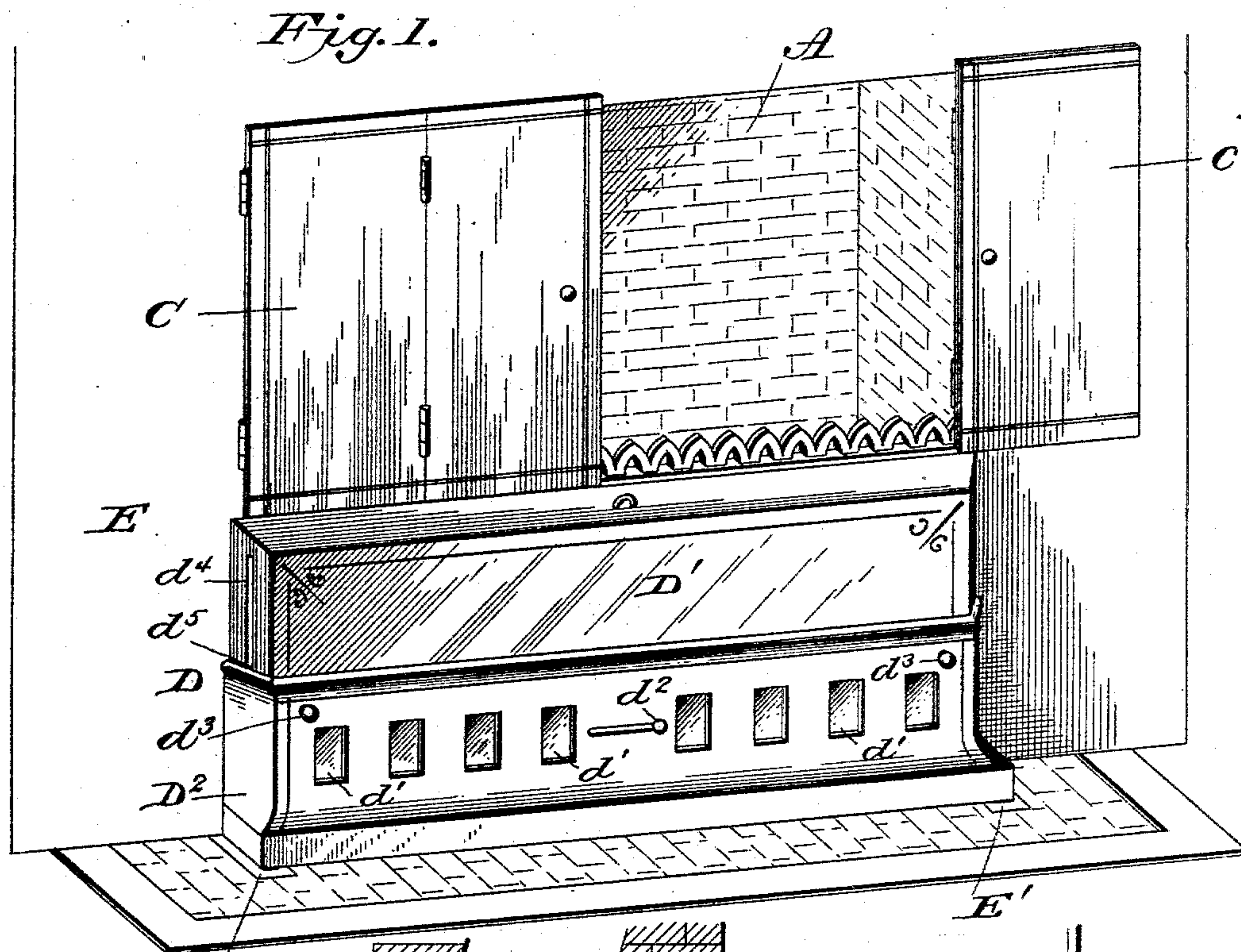


(No Model.)

J. R. DONALDSON.
FIREPLACE.

No. 561,871.

Patented June 9, 1896.



Joab R. Donaldson
INVENTOR

WITNESSES *E*
L. S. Elliott.
T. W. Johnson

Fig. 2.

7.2. *INVENTOR*
by *[Signature]* *Attorney*

UNITED STATES PATENT OFFICE.

JOAB R. DONALDSON, OF OLIPHANT FURNACE, PENNSYLVANIA.

FIREPLACE.

SPECIFICATION forming part of Letters Patent No. 561,871, dated June 9, 1896.

Application filed July 25, 1895. Serial No. 557,122. (No model.)

To all whom it may concern:

Be it known that I, JOAB R. DONALDSON, a citizen of the United States of America, residing at Oliphant Furnace, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Fireplaces; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide an ordinary fireplace with attachments whereby it can be entirely inclosed, the fireplace being provided above the grate with sectional doors, which, when closed, present a blower, and beneath the doors or blower is a front of improved construction, being made up of two sections which slide upon each other and are adapted to be moved to occupy either a vertical or horizontal position, the vertical position providing an efficient front with draft-openings, and the horizontal position presenting a fender or hearth which projects a considerable distance in front of the grate.

With my improvements attached the fireplace is adapted to burn coke, very fine coal, or any other suitable fuel.

The invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view showing my improvements applied to a fireplace or chimney opening of ordinary construction. Fig. 2 is a vertical sectional view showing the combined front and fender lowered in full lines and in a raised or vertical position in dotted lines. Fig. 3 is a detail sectional view of the combined fender and front, and Fig. 4 is a detail perspective view of one of the supports for the combined fender and front.

A designates the fireplace-opening in the chimney, which is of the usual construction, and is provided with a grate B, supported in the usual manner. The front of the grate is provided at its upper portion with hooks b,

with which the combined fender and front, hereinafter described, engages.

C C designate doors which are hinged to the sides of the fireplace, said doors being made up of sections hinged to each other, and are adapted to close the upper part of the fireplace, the lower edges thereof overlying the upper part of the grate. The doors are preferably made up of sheet-iron stamped so as to be ornamental.

D designates the combined fender and front, which is made up of two sections D' and D², the lower section D² being provided with suitable draft-openings adapted to be covered by a sliding plate or damper d', operated by a knob d². The lower section is provided at its upper portion with knobs d³ d³, which not only serve as means for raising and lowering the combined fender and front, but also serve as legs when the device is lowered, as shown in Fig. 2. The side pieces of the section D² are extended at their lower ends, forming plates e, having hooks e² at their rear ends, and these downwardly-extended side pieces are passed through slots formed in the sheet-metal side plates E of the fireplace, the forwardly-projecting portions E' of the plates being provided with a lug E², located to one side of the slot, and against these lugs the lower edge of the front plate of the section D² bears, and when the combined fender and front is lowered to a horizontal position, as shown in Fig. 2, the hook e² will engage the inner side of the plate E at the upper end of the slot therein.

The section D' of the combined fender and front is connected to the section D², so that it can slide within the same, the part D' being provided with vertical slots d⁴ in its side pieces, which are engaged by lugs d⁵ at the upper end of the side pieces of the section D². The section D' is provided at its upper end with depending portions or flanges d⁶, which engage with the hooks b on the grate when the combined fender and front is in a vertical position and the section D' extended.

The device hereinbefore described possesses numerous advantages and provides for entirely closing up the fireplace when desired. When it is desired to have an open-grate fire, the doors C C are swung to each side of the fireplace and the upper section of the combined fender and front is lowered into the

lower section and both sections then moved to the position shown in Fig. 2, so as to expose the entire grate.

It will be noted that the device not only provides means for closing the fireplace but also provides an efficient blower, and by properly regulating the slide or damper the desired amount of draft can be admitted under the grate. It also provides for burning fuel in the grate which has heretofore been considered unsuitable for such purpose.

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

1. The combination with a fireplace and hearth, the hearth having slotted plates and recesses below said plates, of a front and fender made up of two sections held in sliding engagement with each other, the lower section having projections which engage the slotted plates, substantially as shown, for pivotally connecting the front and fender to the hearth so that the same may be used either in a vertical or horizontal position, for the purpose set forth.

2. The combination in a fireplace, of a front, as E, having outwardly-projecting portions or plates E' which extend over the hearth and are slotted as shown, together with a fender having plates which pass through the slots, said plates having hooked ends e^2 , for the purpose set forth.

3. In combination with a fireplace and grate supported therein, of a fender and front supported by the hearth, the combined fender and front being made up of two sections the lower section having projecting portions at its sides for engagement with a plate E, said plate having continuous vertical and horizontal slots the lower section also having openings and a damper and the upper section which is carried thereby being adapted to engage with the grate so as to support the front in a vertical position in front of the grate, substantially as shown and for the purpose set forth.

4. In combination with a fireplace and grate, of a combined fender and front made up of two sections, the inner section being held in sliding engagement with the outer section and the outer section being connected to the hearth to be supported in vertical and horizontal positions, together with means carried by the grate or sliding section for holding the sections in engagement with each other when the inner section is in an extended vertical position, substantially as shown and for the purpose set forth.

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

JOAB R. DONALDSON.

Witnesses:

CHARLES T. CRAMER,
C. H. SEATON.