

(No Model.)

W. H. H. SPAULDING.

ADJUSTABLE FIRE BACK FOR STOVES.

No. 372,577.

Patented Nov. 1, 1887.

Fig. 1

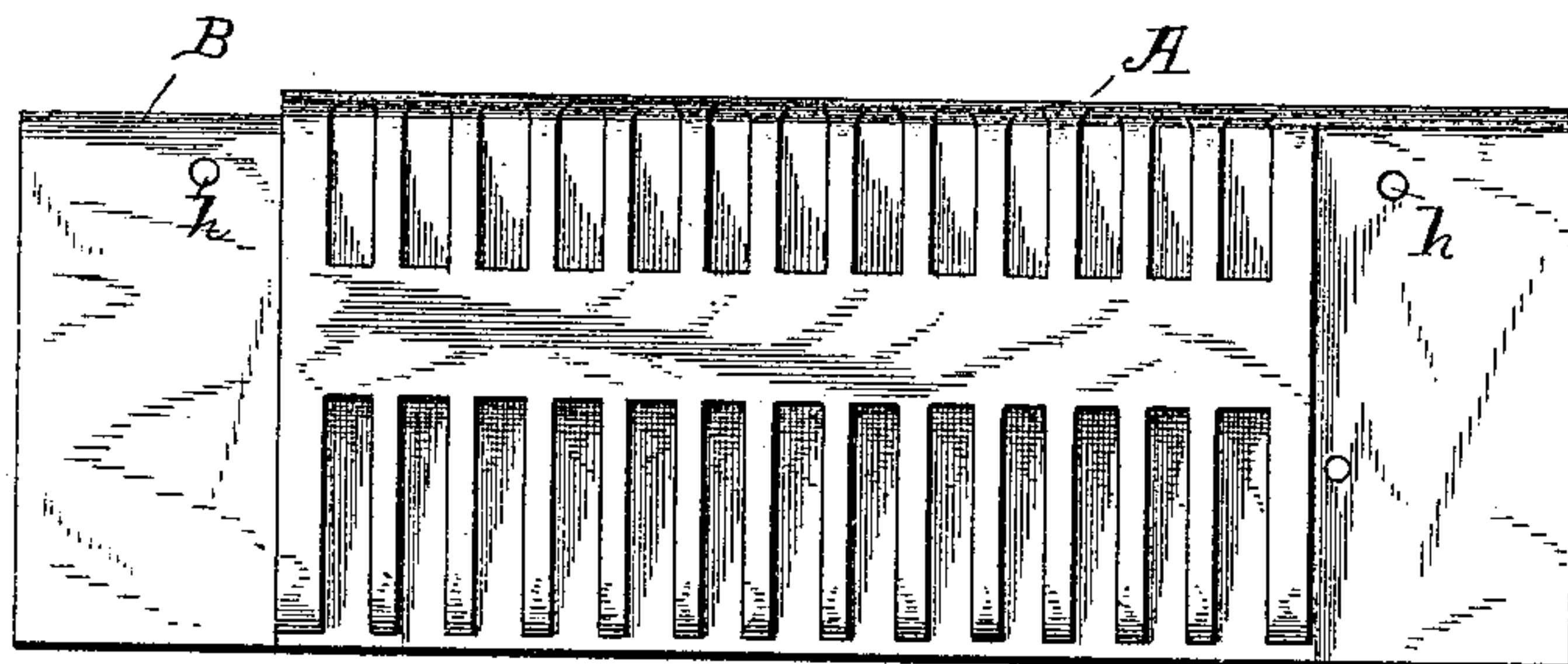


Fig. 2

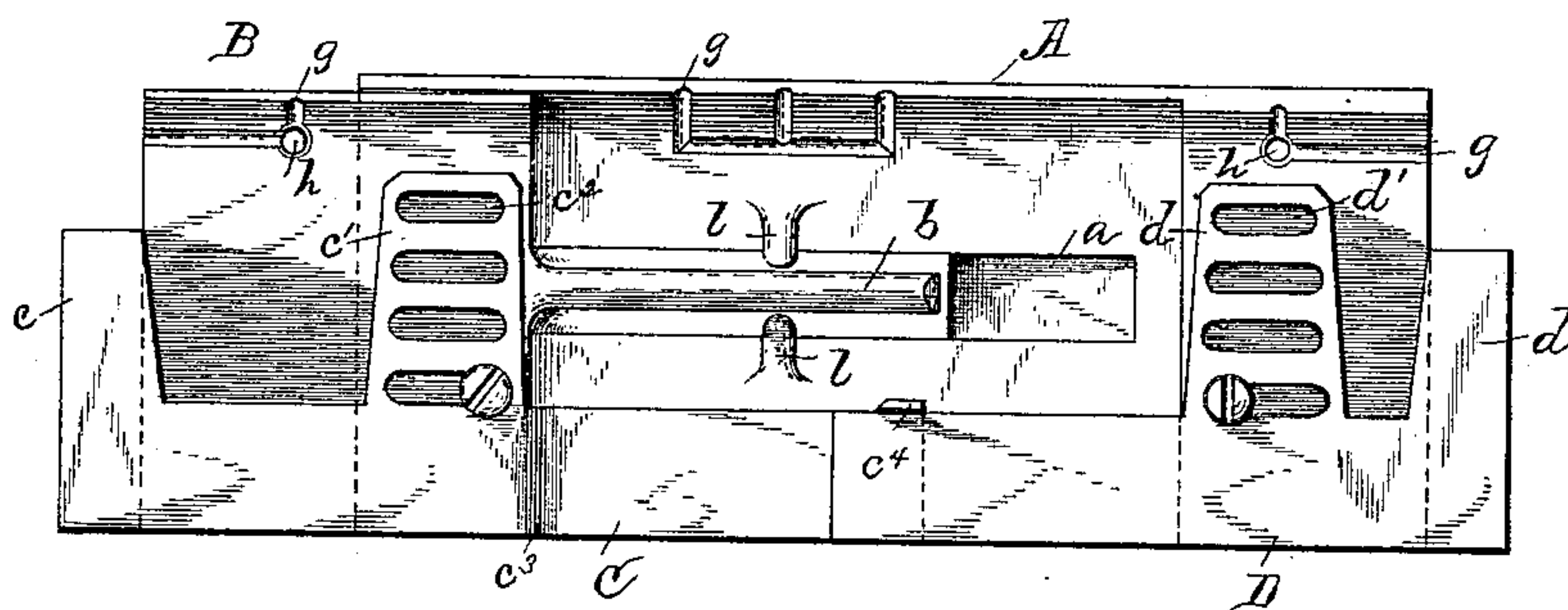
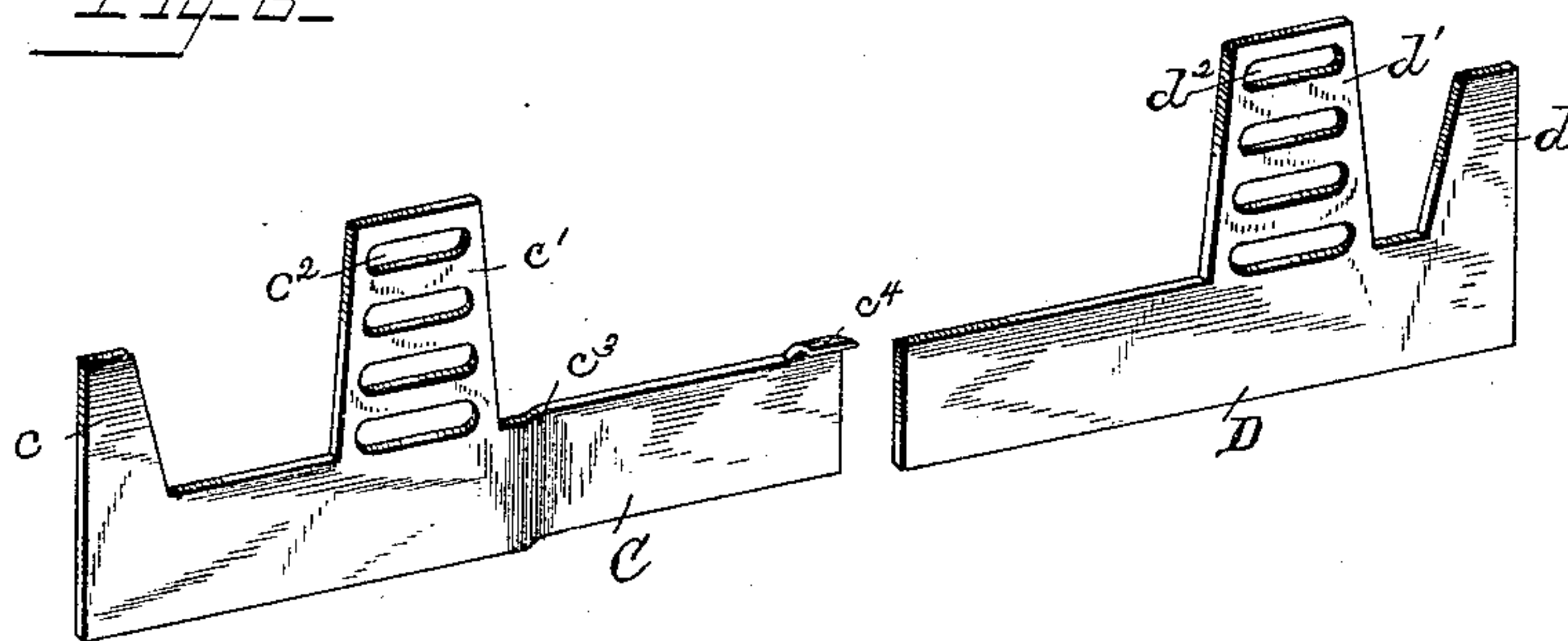


Fig. 3



Witnesses

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WILLIAM H. H. SPAULDING, OF PERU, INDIANA.

ADJUSTABLE FIRE-BACK FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 372,577, dated November 1, 1887.

Application filed May 17, 1887. Serial No. 238,499. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. H. SPAULDING, a citizen of the United States of America, residing at Peru, in the county of Miami and State of Indiana, have invented certain new and useful Improvements in Adjustable Fire-Backs for Stoves, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention is an improvement on the adjustable fire back shown and described in Letters Patent No. 211,192, granted to me on the 7th day of January, 1879; and it has for its object to provide a fire-back that can be conveniently and readily adjusted longitudinally and vertically to fit stoves of different sizes.

Figure 1 of the accompanying drawings is a front elevation of the back wall. Fig. 2 is a rear elevation of the same with the extension-pieces attached. Fig. 3 is a perspective view of the extension-pieces detached.

The back wall is composed of two sections, A and B, of just sufficient width to fit the smaller class of stoves. A longitudinal depression or recess, *a*, is formed in the rear side of section A, and section B is provided at one end with an integrally-formed bar, *b*, which, when the two sections are together, rests in recess *a*, being held therein by lugs *l*, cast on section A. These sections are sufficiently long to form the back wall and overlap each other in a small stove a distance equal to the distance that they are required to extend to form a back wall for stoves of larger size. They are cast with the usual grooves, *g*, and holes *h*, for facility in breaking out to fit the back into certain makes of stoves.

Thus far the description applies to the fire-back shown and described in my aforesaid patent, and I will now describe my improvement on said fire-back.

C and D represent two extension-pieces for increasing the width and also the length of the fire-back. It will be understood that, as the main section A of the back wall is of a length to fit the smallest stove, the extension of the other section, B, must necessarily be limited by the length of the recess in section A, and therefore in some exceptionally large

stoves the back wall may not be quite long enough. In such cases the required length is attained by the aid of extension-pieces C and D. Each extension-piece is considerably wider at one end than at its base, as seen at *c* and *d*, and each is also cast with an upwardly-extending arm, *c'* *d'*, in which is formed a series of longitudinal slots, *c''* *d''*, as shown. Extension-piece D is formed in one plane throughout; but the base of piece C is formed in two planes, being depressed, as at *c''*, to fit down over the inner end of part B of the back wall, and also to allow the base of piece D to overlap the depressed portion. The base of piece C is provided at its inner end, upon its upper side, with an overhanging lip, *c''*, to hold the other piece in proper position.

The extension-pieces are adjustably attached by screws to parts A and B, respectively, of the back wall, the operation of widening or both lengthening and widening the back wall by means of these pieces being manifest on an inspection of the accompanying drawings.

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

1. The combination, with parts A and B of the back wall, constructed as described, of two extension-pieces, each having an end wider than the base, and provided with an upwardly-extending arm in which is formed a series of longitudinal slots, substantially as described, and for the purpose stated.

2. The combination, with parts A and B of the back wall, constructed as described, of two extension-pieces, each having an end wider than the base, and provided with an upwardly-extending arm in which is formed a series of longitudinal slots, a portion of the base of one piece being depressed and having an overhanging lip at its inner end, substantially as described, and for the purposes stated.

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

WILLIAM H. H. SPAULDING.

Witnesses:

JAMES M. BROWN,
NOTT N. ANTRIM.