

J. COX.

SLIDING STOVE DOORS.

No. 187,457.

Patented Feb. 20, 1877.

Fig. 1.

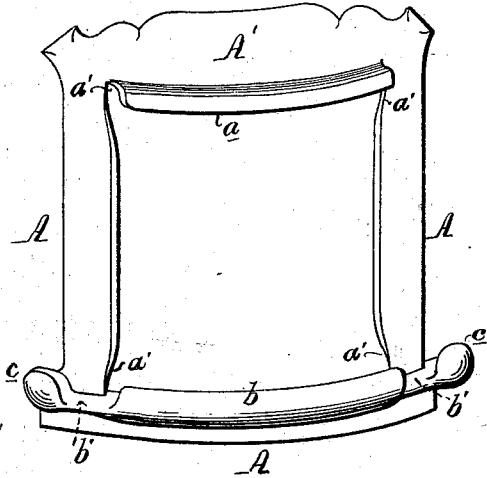


Fig. 2.

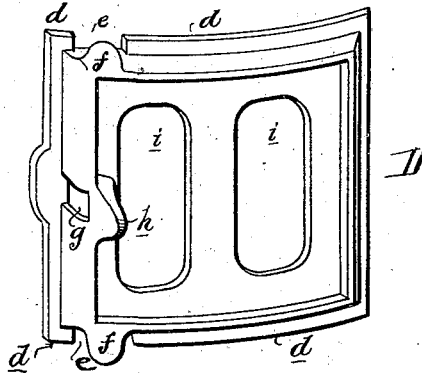


Fig. 3.

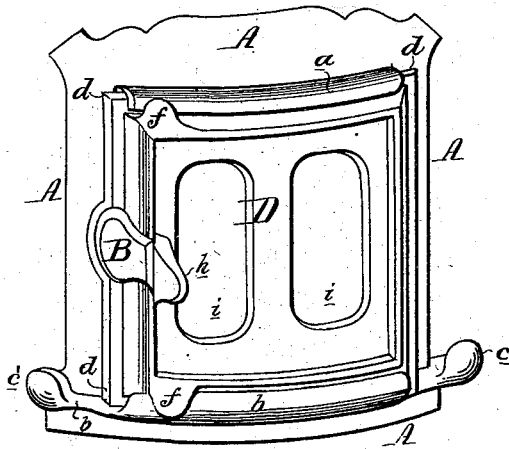


Fig. 4.



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IMPROVEMENT IN SLIDING STOVE-DOORS.

Specification forming part of Letters Patent No. **187,457**, dated February 20, 1877; application filed January 26, 1877.

To all whom it may concern:

Be it known that I, JOSEPH COX, of the city and county of Philadelphia, in the State of Pennsylvania, have invented new and useful Improvements in Sliding Stove-Doors, which improvements are fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to improve the mechanical forms and combinations of the castings required in the manufacture of cast-iron sliding doors and their frames for stove-bodies. These forms and combinations are distinctly shown in the accompanying drawings, forming a part of this specification.

Figure 1 shows in perspective the door-frame complete in one piece of casting, A. Fig. 2 shows in perspective the door complete, also, in one piece of casting, D, and having an aperture, *g*, for the removable stop B. Fig. 3 shows in perspective the finished article, comprising the frame A, door D, and stop B, duly combined for use. Fig. 4 is a horizontal section, taken centrally, of Fig. 3.

a and *b* are inwardly-projecting raised flanges, shelving over the spaces *a' a' a' a'* to be occupied by the edges of the door *d d*. *c* is a guide to the door, and *c'* simply a counterpart for ornament. *b' b'* show the form required for convenience in molding the frame A. *e e* show parts cut away below the points *f f* for convenience, also, in molding the door

D. *ff* are guides to the door; *i i*, openings for mica lights. *h* is a thumb-piece for operating the door. *j* is an aperture, through which a pin, *k*, is inserted to hold the removable stop B in its place.

It will be seen that the putting together of the castings, by which the frame A and door D are completed and made operative as a finished article, consists, simply, in putting the removable stop B in place, and staying it with the pin *k*.

I claim—

1. The door-frame A, provided with the inwardly-projecting raised flanges *a b* and guide *c*, with the portions *b' b'* cut away, as shown, in combination with the door D, substantially as and for the purpose herein set forth.

2. The door D, provided with the small raised outwardly-projecting flanges *f f*, with the portions *e e* cut away, as shown, in combination with the frame A, substantially as and for the purpose herein set forth.

3. In combination, the frame A and door D, constructed as shown and described, for convenience in casting, and provided with the removable stop B, substantially as and for the purpose herein set forth.

JOSEPH COX.

Witnesses:

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