

(No Model.)

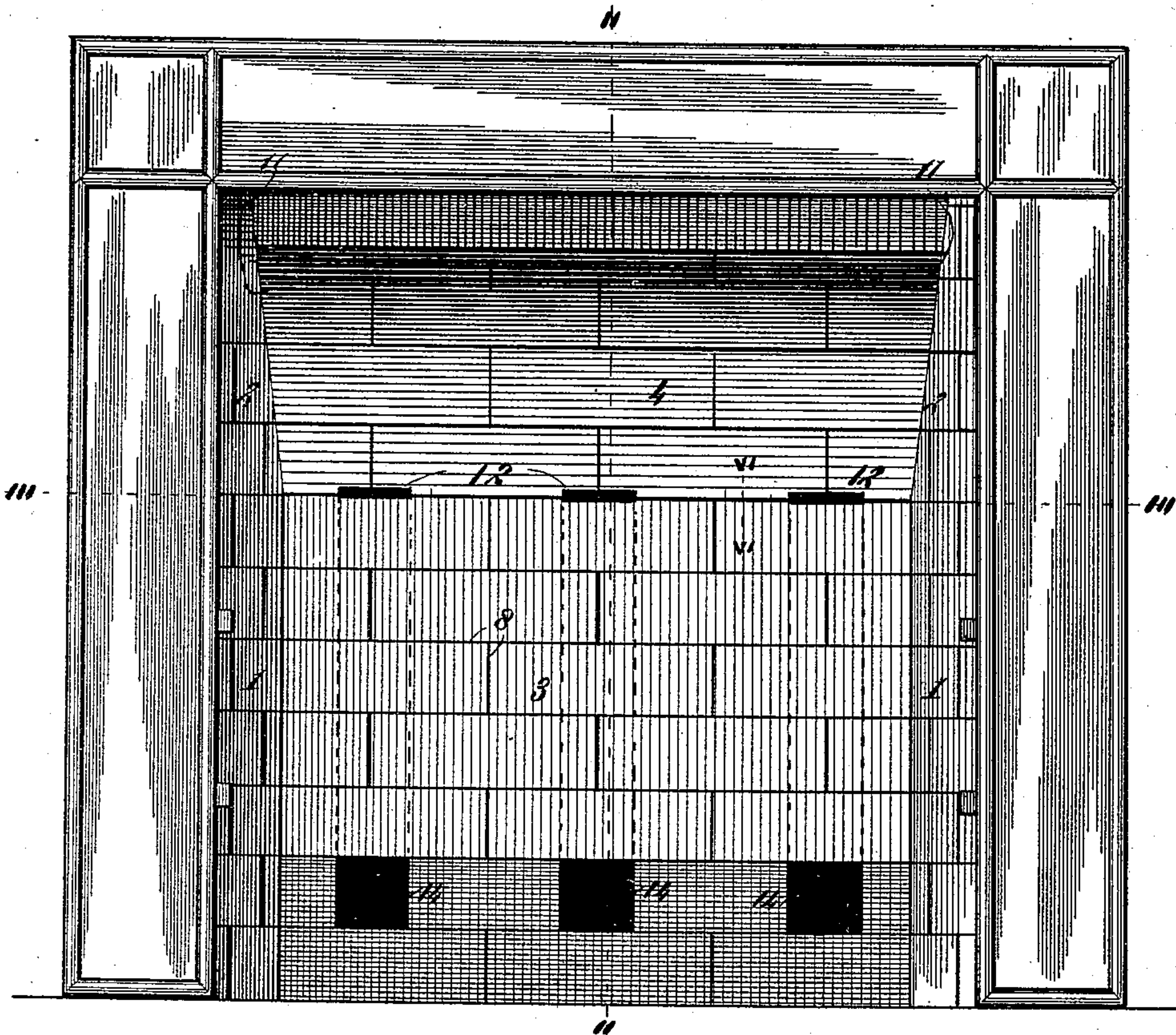
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J. P. O'BRIEN.
FIRE PLACE.

No. 446,363.

Patented Feb. 10, 1891.

Fig. 1



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Joseph T. O'Brien
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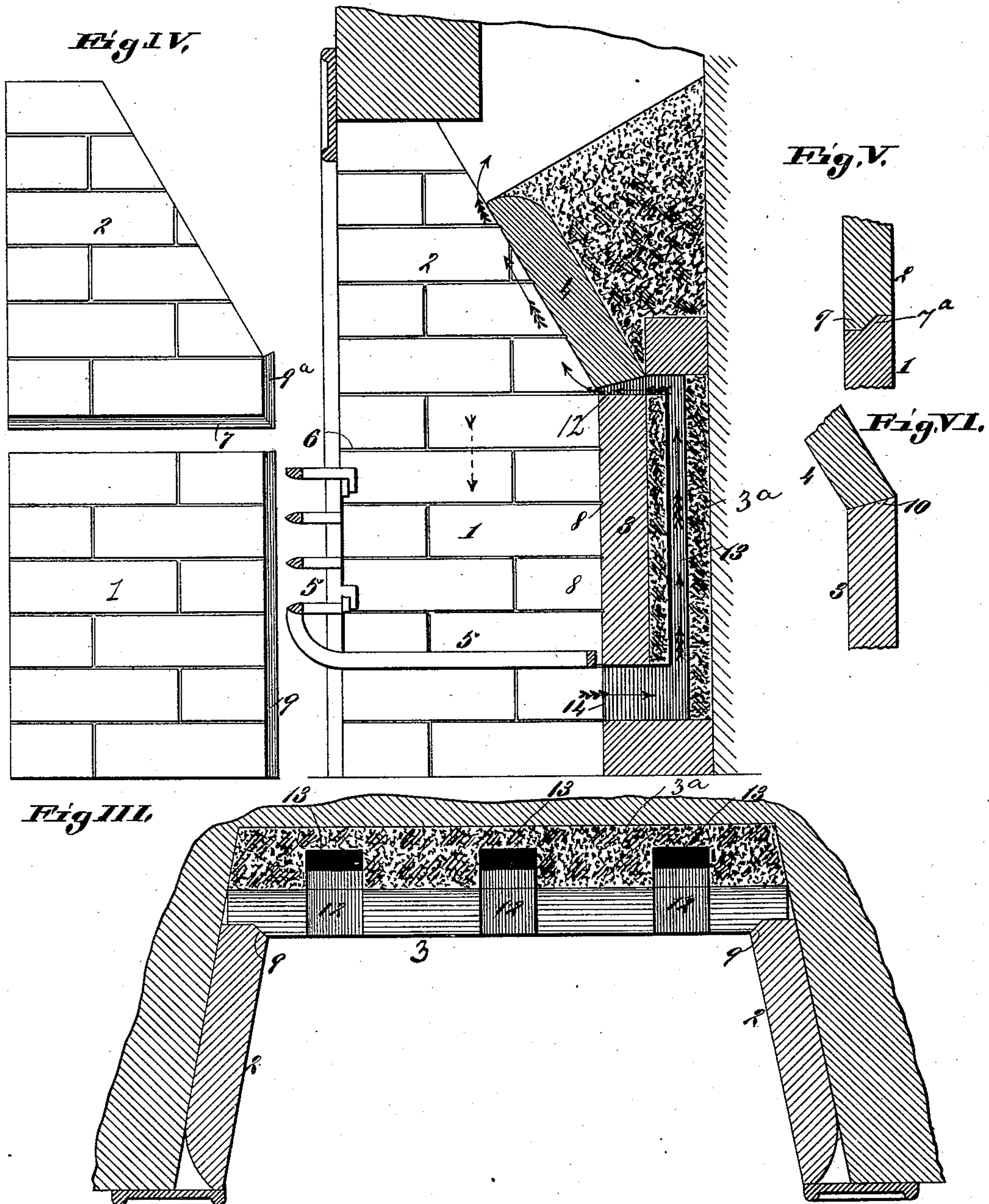
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Fig. II.



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UNITED STATES PATENT OFFICE.

JOSEPH P. O'BRIEN, OF ST. LOUIS, MISSOURI.

FIRE-PLACE.

SPECIFICATION forming part of Letters Patent No. 446,363, dated February 10, 1891.

Application filed April 30, 1890. Serial No. 350,047. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH P. O'BRIEN, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Fire-Places, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an improvement in fire-places, the object being to cheapen as well as improve the construction; and my invention consists in features of novelty herein-after fully described, and pointed out in the claims.

Figure I is a front elevation illustrative of my invention. Fig. II is a vertical section taken on line II II, Fig. I. Fig. III is a horizontal section taken on line III III, Fig. I. Fig. IV illustrates in elevation the two pieces forming one side of the fire-place. Fig. V is an enlarged detail vertical section taken on line V V, Fig. II; and Fig. VI is a similar view taken on line VI VI, Fig. I.

Referring to the drawings, 1 2 represent the side walls or linings of the fire-place; 3 4, the back wall or lining, and 5 the fire box or basket. Each side wall or lining of the fire-place is made in two parts, 1 representing the lower part and 2 the upper part, the dividing-line being at 6. Each part or section 1 2 is preferably marked or scratched off into sections; but these marks or scratches are only on the surface of the parts and are for the purpose of giving to the parts the appearance of being made of separate bricks or blocks for the purpose of enhancing the appearance of the parts. The upper part 2 has a bevel or tapering lower edge or shoulder 7, (see Figs. IV and V,) fitting behind the tapering upper end or shoulder 7^a of the part 1, and is thus held in place at its bottom by the part 1. The back parts 3 and 4 of the fire-place are also preferably laid off to imitate separate bricks by scratches or grooves 8.

The portion 3 of the back of the fire-place holds the inner ends of the parts 1 of the sides in their position by the latter having bevels 9, (see Fig. III,) fitting against the part

3 of the back. The parts 2 of the sides also have vertical beveled portions 9^a at their lower ends, which also bear against the portion 3 of the back. The part 4 of the back of the fire-place is placed at an inclination, as shown in Fig. II. Its lower edge is beveled slightly to fit the beveled upper end of the part 3, as shown at 10, Fig. VI, and its outer ends rest against the inclined edges of the parts 2, as shown at 11, Fig. I, the various sections 1, 2, 3, and 4 of the fire-place being thus self-supporting.

12 represents converging horizontally-arranged openings in the lower edge of the part 4 and the upper edge of the part 3 of the back, which communicate with vertical back flues 13, communicating with the ash-pit of the fire-place by means of horizontally-arranged flues 14, thus permitting a draft from the ash-pit up through the wall 3^a behind the part 3 of the back and into the fire-place at the upper end of the part 3.

I claim as my invention—

1. A fire-place lining consisting of the lower side walls 1, having beveled shoulders 7^a at their upper ends and vertical bevels 9, the upper side walls 2, having beveled lower edges 7 and vertical bevels 9^a, the lower back part 3, fitting the vertical bevels of the side walls and having beveled top, and the inclined back part 4, fitting the upper side walls and having beveled lower edge fitting the beveled top of the lower back part, substantially as described.

2. The combination, with the rear wall 3^a, having vertical flues 13, of the side walls 1 2, the back part 3, formed with horizontally-arranged flues 14, and beveled top formed with the lower portions of converging horizontally-arranged openings 12, and the inclined back part 4, having beveled lower edge formed with the upper portions of the converging horizontally-arranged openings 12, substantially as described.

JOS. P. O'BRIEN.

In presence of—

E. S. KNIGHT,
THOS. KNIGHT.