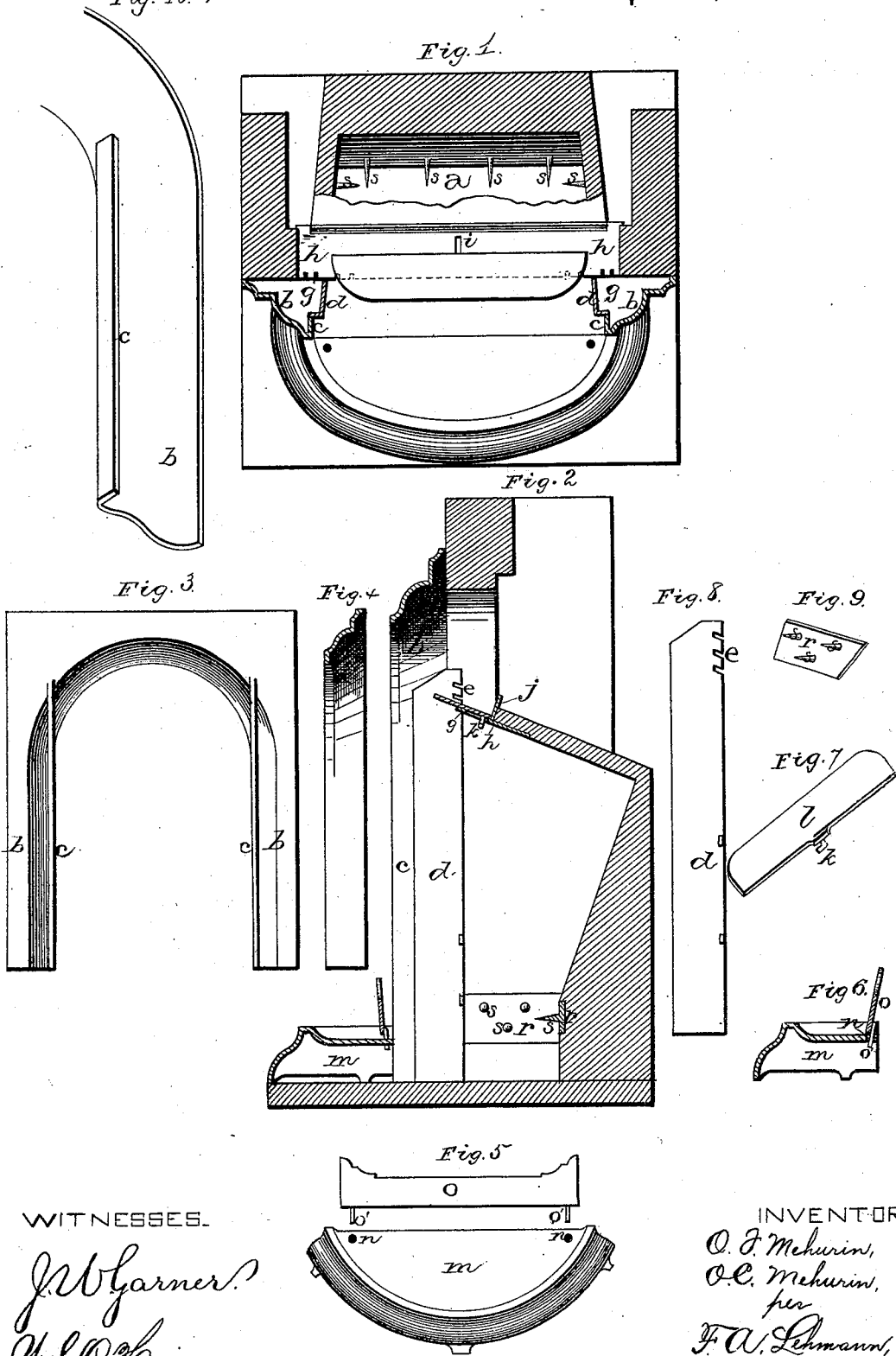


O. F. & O. C. MEHURIN.
Fire Place.

No. 201,886.

Patented April 2, 1878.



WITNESSES.

J. W. Garner.
H. S. D. Caines.

INVENTORS

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UNITED STATES PATENT OFFICE.

OSCAR F. MEHURIN AND OSCAR C. MEHURIN, OF NEWARK, OHIO.

IMPROVEMENT IN FIRE-PLACES.

Specification forming part of Letters Patent No. **201,886**, dated April 2, 1878; application filed January 18, 1878.

To all whom it may concern:

Be it known that we, OSCAR F. MEHURIN and OSCAR C. MEHURIN, of Newark, in the State of Ohio, have invented certain new and useful Improvements in Fire-Places; and we 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

Our invention relates to an improvement in fire-places; and it consists in the peculiar construction and arrangement of parts whereby the construction of the fire-place is cheapened, and a greater amount of heat obtained from a given amount of fuel, as will be more fully described hereinafter.

Figure 1 is a central horizontal section of our invention. Fig. 2 is a central vertical section of the same. Fig. 3 is a rear elevation of the grate-frame. Fig. 4 is a vertical section of the same. Figs. 5 and 6 are views of the ash-screen. Figs. 7, 8, 9, and 10 are detail views of the various parts.

a represents an ordinary fire-place, and *b* the grate-front outside of the mantel. Projecting from the rear of this front are the flanges *c*, which are cast with the front, and rise vertically above the edge of the arch, as shown in Figs. 3 and 10. By thus having the flanges extend above the lower edge of the arch, side jambs *d*, which also extend up above the arch, may be readily and easily secured in position, and make a neat finish. Made in the inner upper edges of the side jambs are the notches *e*, which catch in the notches *g* in the front edge of the supporting-plate *h*, and thus the two parts are made to hold each other firmly in position. Made across the

center of the supporting-plate *h* is a slot, *i*, which extends under the vertical rounding flange *j*, and projecting downward through this slot *i* is the short bent rod *k*, by means of which the damper *l* is moved back and forth, and held in position upon the top of supporting-plate *h*.

We are aware that narrow flanges have been fastened to the inside of the grate-front, and this we disclaim. We cast the flanges *c* with the front, so as to furnish the front complete, and at a much less expense than where the flanges have to be first rolled, then holes drilled through them, and the front and the parts bolted together.

Having thus described our invention, we claim—

1. A grate-front, *b*, having the flanges *c* on its rear side and outside of the mantel, the front and flanges being cast together in a single piece, and the flanges made to extend up above the lower edge of the arch, substantially as shown.

2. The grate-front *b*, having the flanges *c* on its rear side and outside of the mantel extending above the top of the lower edge of the arch, in combination with the side jambs *d*, whereby a neat and perfect finish is obtained, substantially as described.

3. The side jambs *d*, having the notches *e* in their upper ends, in combination with the supporting-plate *h*, substantially as set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 8th day of January, 1878.

OSCAR F. MEHURIN.
OSCAR C. MEHURIN.

Witnesses:

H. W. EAGYE,
HENRY SCHOWING.