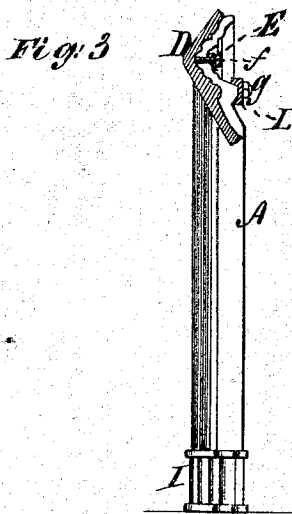
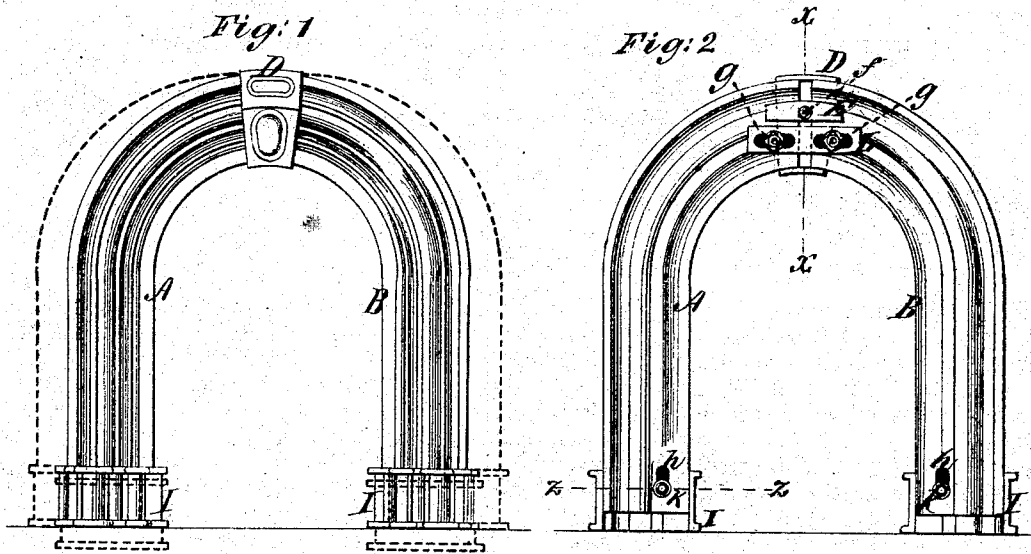


H. M. CREAMER.
Grate-Frames.

No. 158,472.

Patented Jan. 5, 1875.



Witnesses:
Michael Ryan
Fred Harnes

H. M. Creamer
by his Attorneys
Brown & Allen

UNITED STATES PATENT OFFICE

HORATIO M. CREAMER, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN GRATE-FRAMES.

Specification forming part of Letters Patent No. **158,472**, dated January 5, 1875; application filed September 5, 1874.

To all whom it may concern:

Be it known that I, HORATIO M. CREAMER, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Grate-Frames, of which the following is a specification:

Heretofore the ornamental frames surrounding fire-places or grates have been, so far as I am aware, cast in one piece, and, consequently, a separate pattern was required for each sized fire-place or grate.

The object of my invention is to produce a grate-frame that shall, within certain limits, be adjustable or variable as to height or width, or as to both height and width at the same time, and shall be, when in position, undistinguishable in external appearance from a grate formed in the ordinary way.

My invention consists in a grate-frame, the body of which is cast in two pieces, and which is provided with separate pedestals and a separate center-piece, hereinafter more fully described, by which the height and width of the whole may be to a certain extent adjusted or varied to suit the fire-place or the size of the grate to or in connection with which it may be desired to apply the same.

The following is a description of my invention, reference being had to the accompanying drawing, in which similar letters indicate corresponding parts in the several figures.

Figure 1 is a front, and Fig. 2 a back, view of my adjustable or variable grate-frame in position. Fig. 3 is a vertical section in the line *x x*, Fig. 2. Fig. 4 is a section of a pedestal as attached, taken in the line *z z*, Fig. 2.

A and B are the main side pieces of the grate-frame, and may be cast in any suitable ornamental form. D is a center-piece, also cast in any suitable ornamental form, and having made fast to the back thereof the threaded bolt *f*. The pieces A B also have

bolts *g g*, and have, moreover, near the bottom, the holes or slots *h h*. I I are pedestals, the backs of which are fitted to the fronts of A B, and to the backs of these pedestals are suitably made fast the threaded bolts *k k*. E and L are clamping-plates, of a form suitable to fit against the backs of A and B, and provided with holes or slots for the bolts *g g* and *f*. By means of nuts upon the ends of the bolts *g g*, *f*, and *k k*, the parts are held rigidly together, as shown, and may be adjusted in width to the limit of the center-piece D, and in height to the limit of the pedestals I I.

The invention is applicable to grate-frames of square or other form, as well as to those of the arched form represented. Its advantages are that the manufacturer will require a smaller number of patterns to make grate-frames of a given number of sizes, and the dealer will not require so large a stock to meet the demand for fire-places of different sizes.

I claim—

1. The side pieces A and B of the grate-frame, in combination with the adjustable center-piece D, fitting between the upper ends of the side pieces of the grate-frame, whereby the latter may be adjusted in width, as herein shown and described.

2. The combination, with the side pieces A and B of the grate-frame, of the vertically-adjustable pedestals on the lower ends of the side pieces for adjusting the same in height, substantially as and for the object specified.

3. An adjustable or variable grate-frame, consisting of two separate pieces constructed to join at the top and center, two separate pedestals, a separate center-piece, and means of uniting them, combined substantially as herein described.

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Witnesses:

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