

(No Model.)

J. GRAVES.
SHEET METAL MANTEL.

No. 419,659.

Patented Jan. 21, 1890.

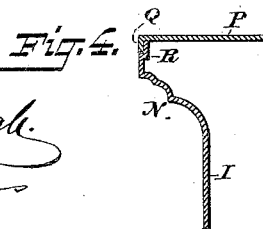
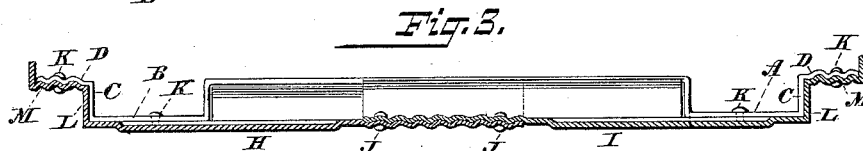
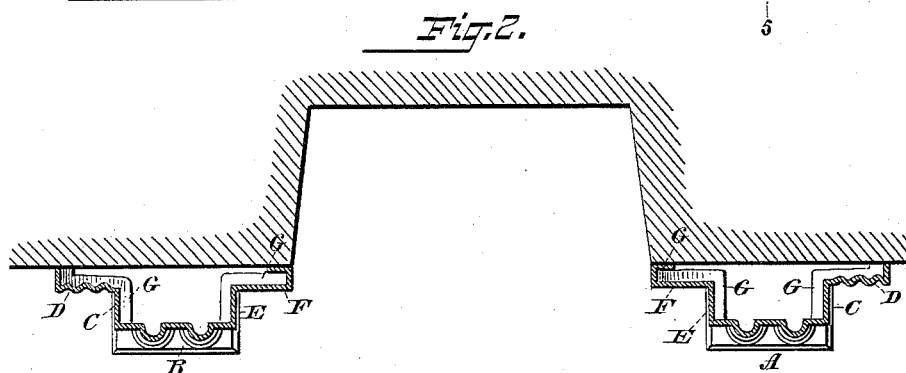
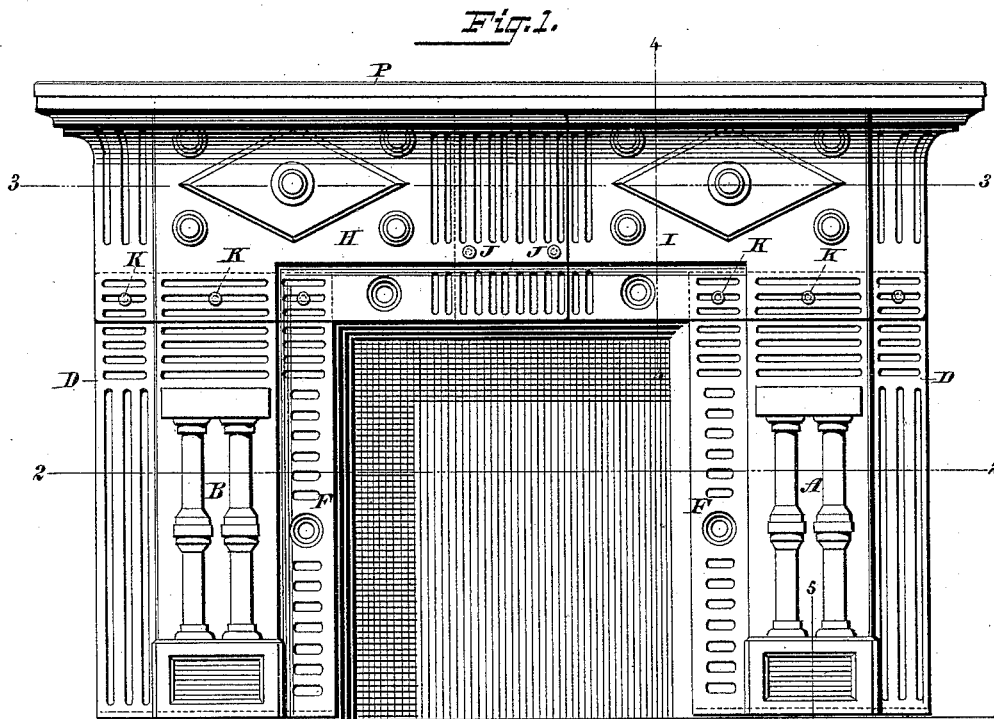


Fig. 5.

INVENTOR
John Graves,
BY
Chas. C. Gill
ATTORNEY

WITNESSES:

Gustave Dietrich.
R. A. Portman

UNITED STATES PATENT OFFICE.

JOHN GRAVES, OF BROOKLYN, NEW YORK, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO THE GEO. VAN WAGENEN COMPANY, OF SAME PLACE.

SHEET-METAL MANTEL.

SPECIFICATION forming part of Letters Patent No. 419,659, dated January 21, 1890.

Application filed October 11, 1889. Serial No. 326,667. (No model.)

To all whom it may concern:

Be it known that I, JOHN GRAVES, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Sheet-Metal Mantels, of which the following is a specification.

The invention relates to improvements in sheet-metal mantels; and it consists in the construction hereinafter fully described, the object being to produce a mantel capable of adjustment to suit different sizes of fire-places, and possessing the requisite strength and durability to withstand the rough usage to which mantels are sometimes subjected.

A further object of the invention is to produce a mantel which will be ornate in appearance, and the parts of which may be readily connected together to form the complete structure.

Referring to the accompanying drawings, Figure 1 is a front view of a mantel constructed in accordance with the invention; Fig. 2, a transverse section on the dotted line 2 2 of Fig. 1; Fig. 3, a like section on the dotted line 3 3 of Fig. 1; Fig. 4, a vertical section on the dotted line 4 4 of Fig. 1, and Fig. 5 a like section on the dotted line 5 5 of Fig. 1.

In the drawings, A B designate the pilasters, which are formed with the profiles C, facings D, returns E, facings F, and inwardly-turned flanges G, the said parts being formed in one piece of metal suitably corrugated to afford the requisite degree of rigidity and strength, the lower edge of the metal forming the pilasters A B being turned inward to constitute flanges G to rest upon the floor and impart strength and rigidity to the lower edge of the said pilasters.

The flanges G constitute a new and important feature in the construction of sheet-metal mantels, and they are of importance, since they impart not only strength and rigidity, but a desirable finish to the lower edge of the pilasters and prevent the said edge being bent inward by contact with passing objects.

The frieze is composed of sections H I, extending along the top of the pilasters and

fire-plate, and having their inner edges overlapped and secured by rivets J, as illustrated in Figs. 1 and 3. The lower portions of the ends of the frieze-sections H I extend downward over the upper ends of the pilasters A B, and are secured by rivets K. The overlapping of the frieze-sections H I above the fire-place affords a means whereby the said frieze may be extended or contracted to adjust it for different sizes of fire-places, and the overlapping of the lower edge of the frieze-sections with the upper ends of the pilasters A B constitutes a means whereby the mantel may be adapted for fire-places of varying heights, the mantel being thus adapted for adjustment both laterally and vertically. The outer portions of the frieze-sections H I are provided with the profiles L and facings M, conforming to and fitting closely against the profiles C and facings D of the pilasters A B, as illustrated in Figs. 1 and 3. The upper portions of the frieze-sections H I are bent outward, as shown at N in Fig. 4, to meet the front edge of the mantel-shelf P, said shelf having downwardly-turned flange Q, which bears against the flange R, formed along the upper edge of said frieze-sections. The front portion of the mantel-shelf P is, owing to the construction above described, sustained upon the upper edge of the frieze, and has the appearance of an extended thickness without increasing its weight, and a desirable finish is imparted to the upper front portion of the mantel.

The frieze-sections H I are suitably corrugated to impart a desirable ornamental finish, as well as to afford strength and rigidity.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A sheet-metal mantel composed of the pilasters A B and the frieze-sections H I, said frieze-sections overlapping each other and the pilasters, substantially as and for the purposes set forth.

2. A sheet-metal mantel composed of a frieze, mantel-shelf, and pilasters, the lower edge of the pilasters being turned inward to form flanges G, substantially as and for the purposes set forth.

3. In a sheet-metal mantel, the pilasters A
B, formed of sheet metal in a single piece,
with the profiles C, facings D, returns E, and
facings F, combined with the frieze-sections
5 having facings L M, and overlapping the up-
per ends of said pilasters, substantially as
and for the purposes set forth.

Signed at New York, in the county of New
York and State of New York, this 10th day
of October, A. D. 1889.

JOHN GRAVES.

Witnesses:

CHAS. C. GILL,
R. A. PORTOUS.