(No Model.)

J. GRAVES.

SHEET METAL MANTEL.

No. 418,788. Patented Jan. 7, 1890.

Fig. 1.

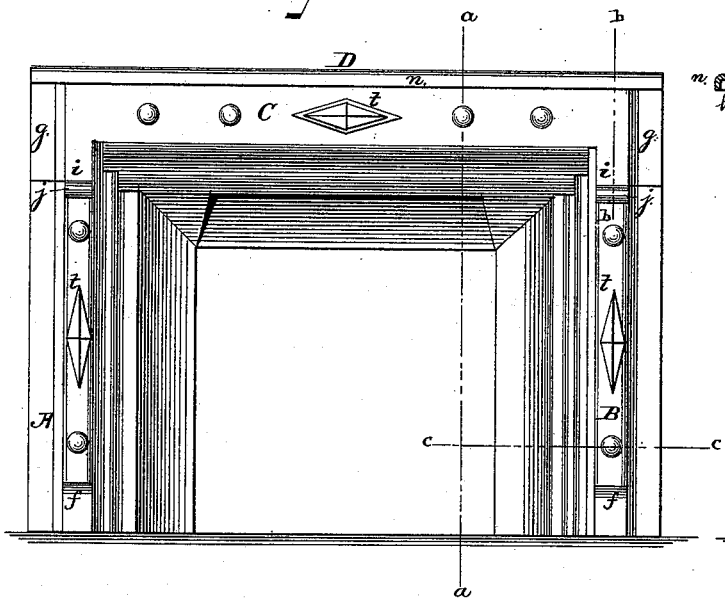


Fig. 2.

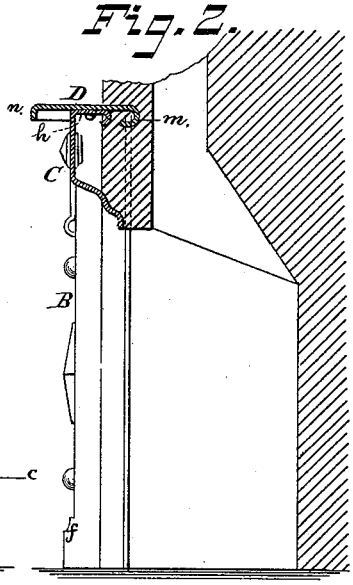


Fig. 5.

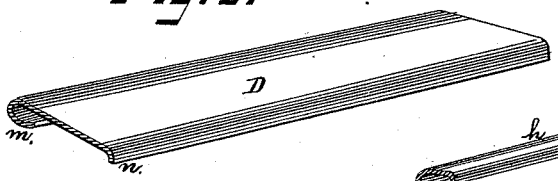


Fig. 6.

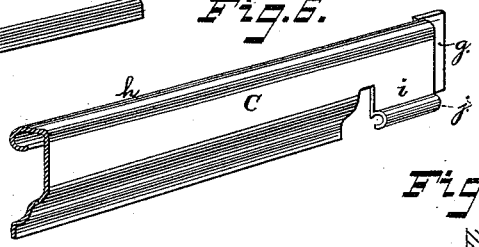


Fig. 3.

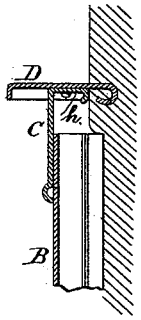


Fig. 7.

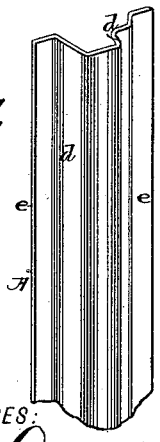
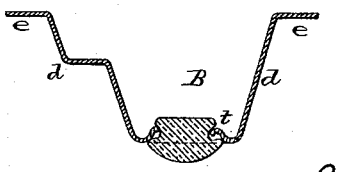


Fig. 4.



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

SHEET-METAL MANTEL.

SPECIFICATION forming part of Letters Patent No. 418,788, dated January 7, 1890.

Application filed January 18, 1888. Renewed November 18, 1889. Serial No. 330,642. (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 New York, in the county of New York 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 a mantel made in independent sections struck up or rolled from sheet metal, the frieze or pilasters being capable of ornamentation to suit the taste of the manufacturer, all as hereinafter described and claimed.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a front view of a mantel constructed in sections, according to the invention sought to be protected hereby. Fig. 2 is a vertical section on the dotted line *a a* of Fig. 1, the mantel in this view being shown in position with respect to the usual fire-place. Fig. 3 is a vertical section on the line *b b* of Fig. 1. Fig. 4 is an enlarged horizontal section on the dotted line *c c* of Fig. 1. Fig. 5 is a perspective view of a portion of the mantel-shelf. Fig. 6 is a like view of a portion of the frieze, and Fig. 7 is a like view of a portion of one of the pilasters.

Referring to the drawings, A B designate the pilasters; C, the frieze, and D the mantel-shelf, these parts being separately constructed and struck up or formed in sheet metal. The pilasters are provided with side facings *d d* and wall-plates *e e*, as shown more clearly in Fig. 7, each pilaster being made in one piece of sheet metal and preferably with an ornamental fluting or set-off *f*, as illustrated in Figs. 1 and 2. The pilasters A B are arranged on opposite sides of the fire-place, as illustrated in Fig. 1, and are united with the frieze C by means of rivets or solder, the upper edges of the pilasters being below the lower outer edges of the frieze. The frieze C is also made from a single piece of sheet metal, and is constructed with the end wall-plates *g g*, as illustrated in Figs. 1 and 6. The upper edge of the frieze C is rolled inward, forming a supporting-flange *h*, as illustrated most clearly in Figs. 2, 3, and 6, to which is riveted or otherwise secured the mantel-shelf C hereinafter described. At each end of the frieze C is constructed the corresponding parts *i i*, which extend vertically downward in line with the face of the frieze and pass over and cover the upper ends of the pilasters A B, the lower edges of the parts *i i* being beaded, as at *j*, for the purpose of strengthening the same and giving an ornamental finish to the mantel.

The mantel-shelf D is, like the other parts of the construction shown, made of a single piece of sheet metal, its inner longitudinal edge being constructed with the flange *m* and its outer longitudinal edge being constructed with the downwardly-depending flange *n*, as shown in Figs. 2, 3, and 5. It will be seen from the description above presented that the mantel consists of four independent sheet-metal parts, each being constructed in one piece by means of dies or rolls, and the parts when united as described forming a complete sheet-metal mantel, which is durable, inexpensive, and ornamental.

It will be understood that the parts of the mantel may be suitably ribbed or ornamented to suit the taste of the person desiring to use it; or, if desired, the pilasters and frieze may have apertures cut in them to form settings for ornaments *t*, consisting of colored glass, porcelain, or other material of suitable configuration, these rendering the mantel highly ornamental. The ornaments *t* may be secured in position by the edges of the apertures containing them, as illustrated in Fig. 4.

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

1. In a sheet-metal mantel, a separate and independent frieze formed of a single piece of sheet metal, having an inwardly-projecting flange under its upper edge for the support of the mantel-shelf, and integral downwardly-projecting parts *i i*, substantially as set forth.

2. In a sheet-metal mantel, a separate and independent frieze made from a single piece of sheet metal and having the downwardly-projecting parts *i i*, provided with beads *j*, combined with the separate sheet-metal pilasters A B, the upper parts of which are below the parts *i i*, substantially as set forth.

3. A sheet-metal mantel consisting of the frieze C, having the flange *h* and parts *i i*, the sheet-metal pilasters A B, having facings *d* and wall-plates *e*, and the separate sheet-metal shelf D, the parts being constructed and arranged substantially as shown and described.

4. A sheet-metal mantel having the independent frieze C, pressed up from a single piece of sheet metal, and the pilasters A B, each pressed up from a single piece of sheet metal, the ends of frieze and upper ends of the pilasters overlapping each other, substantially as set forth.

5. A sheet-metal mantel having the independent frieze C pressed up from a single piece of sheet metal with wall-plates at its ends, and the pilasters A B, each pressed up from a single piece of sheet metal with facings and wall-plates, the ends of the frieze and upper ends of the pilasters overlapping each other, substantially as set forth.

Signed at New York, in the county of New York and State of New York, this 14th day of January, A. D. 1888.

JOHN GRAVES.

Witnesses:
CHAS. C. GILL,
ROBERT A. PORTEOUS.