

UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN BURIAL-CASES.

Specification forming part of Letters Patent No. 124,747, dated March 19, 1872.

I, ROBERT J. HOWDON, of Cincinnati, Hamilton county, State of Ohio, have invented certain new and useful Improvements in Burial-Cases, of which the following is a specification:

Nature and Objects of Invention.

My invention consists, first, in the provision in the construction of the molding or framework of the burial-case of a thin narrow rim or slip of sheet metal cast in at the time of casting the frame, which permits of the sides, ends, and top being soldered or otherwise hermetically connected to the cast-iron frame, and also permits the use of cheap zinc sides, top, and ends in the manufacture of the case; second, in a peculiar construction of the top or cover of the case, which provides an inside molding for the central transparent plate and sheet-metal filling between the glass frame and outside frame; third, in a peculiar device for securing the glass plate to the cover of the case; fourth, in a peculiar device for securing the lining of the burial-case to the body of the case.

Description of the Accompanying Drawing.

Figure 1 is a cross-section of a burial-case embodying my invention. Fig. 2 is a modification in the construction of the bottom. Fig. 3 is a plan showing the construction of the cover of the case.

General Description.

The cover A of the case is composed in the cast-iron part of outside rim or molding a, inside rim or molding a', and connecting cross-bars a'', all cast together so as to leave a central aperture for the glass plate D and large side apertures for the sheet-metal filling a'''. In the molding of this cover sheet-metal rims or slips C C' are inserted in the mold, and when the molten metal is poured in it embraces the rims or slips in the manner shown, the shrinkage of the metal in cooling serving to hermetically seal the joints between the sheet-metal rims and the casting. I prefer to use a sheet metal for the rims C which will admit of soldering to other sheet metal; but do not desire to confine myself to this, as the rims may

be seamed to the filling, as shown in the body of the case on the right side of Fig. 1. Before the glass D is inserted the rims C' are straight, and when the glass is in place the putty E is fitted in the angle between the glass and rims, and the rims are bent over in such a way as to make a perfectly tight joint. The fillings a''' may be of zinc, a metal which I prefer on account of cheapness; but it is a metal which cannot be used to constitute the rims or slips C, on account of its fusibility at low temperature. The glass face D may be covered by the customary lid F, which is formed of cast-iron frame f, metallic rim f' cast in, and sheet-metal filling f'' soldered or seamed to the rim f'. The lid is secured to the cover A, and the cover A to the body of the case, by the usual tightening-screws, a gasket, G, being interposed between the cover and body of the case. The body of the case is composed of rim or molding H, of cast-iron; base I, of cast-iron; sides J J', of zinc or other suitable sheet metal; and bottom K, of sheet metal. The molding H and base I are cast with sheet-metal rims or slips L, attached in the manner before described, and the sides and bottom are soldered or seamed thereto in the manner clearly shown in Fig. 1 or in the modification, Fig. 2. The rim or molding H has also a rim or slip of sheet metal, M, cast in it, projecting sufficiently to admit of bending. This rim is designed to secure the customary satin or muslin lining N in place by simply bending over it in the manner shown, thus dispensing with the glueing or cementing of the lining to the case, heretofore used. The provision of the rims cast in the frame enables the use of cheap material for filling, and provides for close hermetically-tight connections between the metals, and the casting of the cover with openings between the moldings a a', for the sheet-metal fillings a''' enables the case to be made lighter than has been possible heretofore with cast-iron frames.

Claims.

1. A burial-case, composed in part of sheet metal and in part of cast metal, the sheet metal being soldered or in like manner hermetically connected to narrow strips of sheet

metal projecting from the cast metal parts which are cast around them, substantially as set forth.

2. The cover A of a burial-case, constructed with exterior rim *a*, interior rim *a'*, connecting-ribs *a''*, glass or other suitable filling D, and sheet-metal filling *a'''*, as and for the purpose specified.

3. In combination with the glass face D of a burial-case, the bent strip C' cast in the molding *a'*, as and for the purpose specified.

4. In combination with the side molding H of a burial-case, the bent strip M cast in the said molding, to be bent to retain the cloth lining, as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

ROBERT J. HOWDON.

Witnesses:

FRANK MILLWARD,
HENRY MILLWARD.