Aug. 20, 1929. O. W. ULRICH 1,725,230

WALL CONSTRUCTION

Filed Sept. 28, 1927

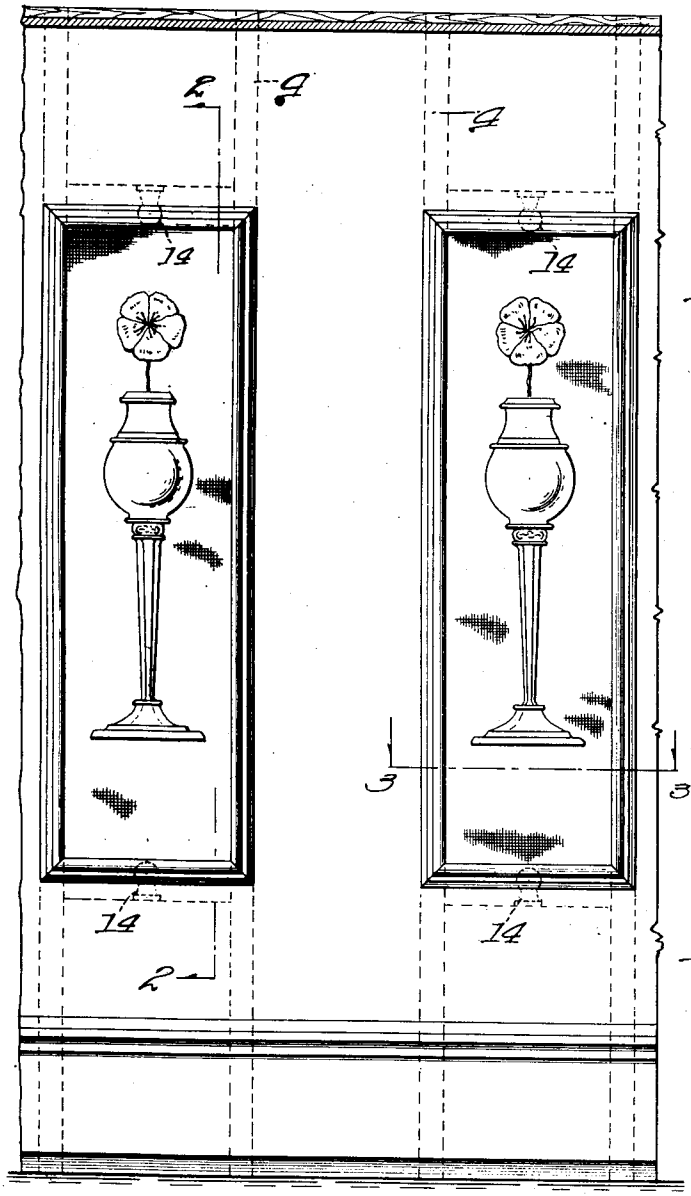


Fig. 1.

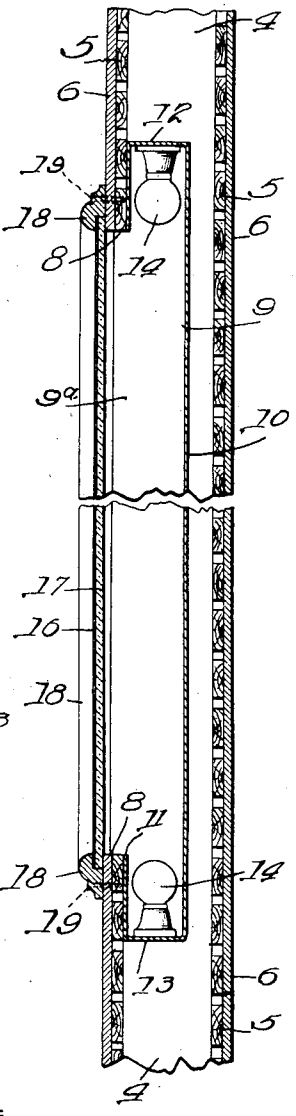


Fig. 2.

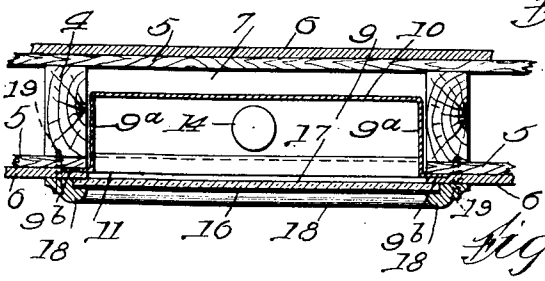


Fig. 3

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UNITED STATES PATENT OFFICE.

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WALL CONSTRUCTION.

Application filed September 28, 1927. Serial No. 222,410.

The invention relates to wall constructions.

It is now common practice to decorate the side walls of the room of a dwelling with panels for decorative purposes.

One object of the invention is to improve the panelling by providing a construction which makes it possible to illuminate the panels indirectly.

Another object is to provide a construction for this purpose which may be readily installed within the side walls of the room.

Other objects of the invention will appear from the description.

The invention consists in the several novel features hereinafter set forth and more particularly defined by claims at the conclusion hereof.

In the drawing: Fig. 1 is a front view of a side wall provided with a panel construction embodying the invention. Fig. 2 is a section taken on the line 2—2 of Fig. 1, on a somewhat larger scale. Fig. 3 is a section taken on the line 3—3 of Fig. 1.

The invention is exemplified in a wall composed of studs 4, lathing 5 secured to the front and back of the studs, and plaster 6 over the lathing. This forms a hollow wall with vertically extending spaces 7 within the wall and between the studs. The front of the side wall is formed with openings 8 which extend between the studs where desired and vertically, to provide panel openings of the desired height. In each opening is located an intramural box 9. This box is placed in a space 7 and comprises a back wall 10 which is formed of sheet metal having a reflecting surface, such as tin. The front of the box is open, as at 11, corresponding to the opening 8 in the front wall. The box is extended, as at 12, above the opening 8, and as at 13, below said opening, to form pockets for electric lights 14. By locating the lamps in these pockets, the box is illuminated, but the light rays do not pass directly through the opening 8. The reflecting surface being formed of polished tin, the inner faces of the walls of the box serve to reflect and diffuse the light to all portions of the box. The side walls 9^a of the box are provided with flanges 9^b which lap the lath 5 around the side margins of wall opening 8, and are secured to the studding so that the box will be held in place. The front of the opening 8 is covered by a decorative translucent panel 16 of cloth or paper, which may, if desired, be backed by a glass plate 17. The margins of the panel 16 and plate 17 are held and covered by a frame 18 formed of moulding which is secured to the front of the wall by screws 19. The panels 16 may be decorated in any suitable manner desired. When the lamps 14 are burning, the entire inside of the box will be illuminated to illuminate the translucent panel 16. Any number of illuminated panels may be provided with spaces therebetween, usually corresponding in width to the distance between the studs.

The invention provides a construction by which decorated panels may be illuminated, which can be readily installed at a comparatively low cost. By removal of the moulding 18, the translucent panels may be changed, if desired, to give different color effects to the room.

The invention is not to be understood as restricted to the details set forth, since these may be modified within the scope of the appended claims, without departing from the spirit and scope of the invention.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent, is:

1. The combination of a side wall having an opening therein, a box disposed within the wall, having an opening in its front substantially corresponding to and in registry with the wall-opening, and a pocket-forming portion extending outwardly relatively to the opening in the box-front and positioned behind and covered by a part of the wall adjacent the wall-opening, a decorative translucent panel for the wall-opening, a frame around the margin of the panel, and means in the pocket formed by said extended portion, operative to illuminate indirectly the panel.

2. The combination of a side wall having an opening therein, a box disposed within the wall, having an opening in its front substantially corresponding to and in registry

with the wall-opening, and a pair of pocket-forming portions extending above and below the opening in the box-front respectively and positioned behind and covered by the part of the wall directly above and below the wall-opening, a decorative translucent panel for the wall-opening, a frame around the margin of the panel, and means in the pockets formed by said extended portions, operative to illuminate indirectly the panel.

Signed at Chicago, Illinois, this 16th day of September, 1927.

OTTO W. ULRICH.