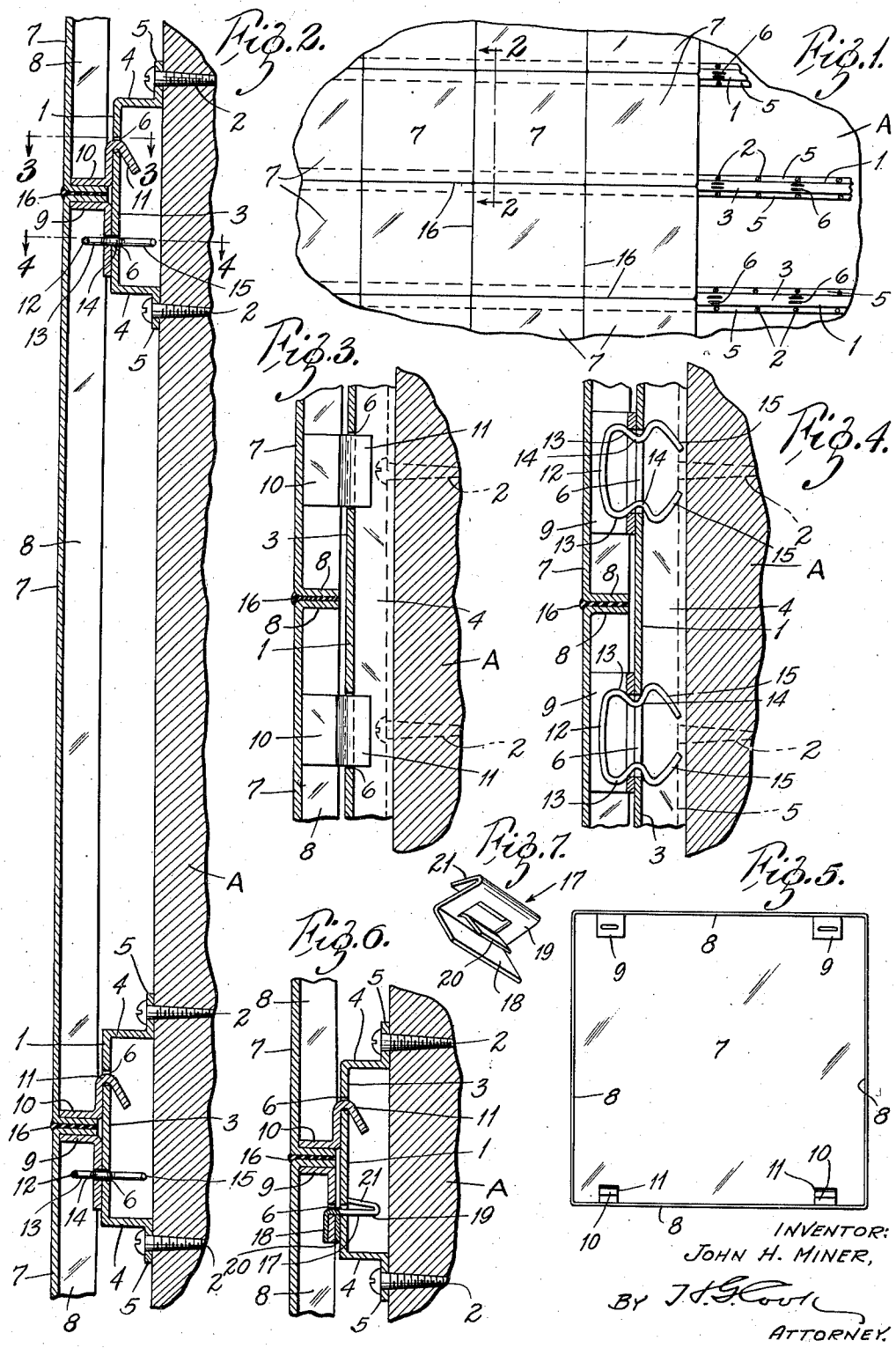
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SUPPORTING STRUCTURE FOR PORCELAIN ENAMELED PANS

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SUPPORTING STRUCTURE FOR PORCELAIN ENAMELED PANS

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3 Claims. (Cl. 189—85)

My invention relates to a supporting structure for porcelain enameled pans, and has for its object, generally, to provide a simple and efficient means for securing such pans to a surface, usually of a building, so that such pans will be retained in fixed position on such surface with the abutting pans in close juxtaposition to each other. These porcelain enameled pans are ornamental in appearance and are generally employed on the outside of a building, and due to their ornamental effect they add materially to the appearance of the building. One of the problems in connection with the use of individual pans is to quickly and efficiently secure them in position on the wall, and to preserve the linear continuity of said pans both vertically and horizontally. Another factor is to so secure said pans to a wall that each pan may, if desired, be removed and transported to another location and again mounted in position on the walls of a structure.

My enameled pans are preferably made up in stock sizes of 24" by 24", 12" by 24", and 6" by 24". I have found that this assortment of sizes provides for practically every kind of space on which my pans are to be used. As I employ weatherproofed packing in the joints between the pans, inclemency of the weather does not affect the structure upon which my pans are mounted.

Fig. 1 is a front view in section of a wall having several tracks with my pans mounted thereon.

Fig. 2 is an enlarged, cross-sectional view of a wall with two tracks mounted thereon and a series of pans secured to said tracks.

Fig. 3 is an enlarged, cross-sectional view taken on line 3—3, Fig. 2, looking in the direction of the arrows.

Fig. 4 is an enlarged, cross-sectional view taken on line 4—4, Fig. 2, looking in the direction of the arrows.

Fig. 5 is a rear elevation of one of my pans showing the attaching lugs.

Fig. 6 is an enlarged, cross-sectional view showing a modification of one of the attaching lugs.

Fig. 7 is a perspective view of one of the attaching lugs shown in Fig. 6.

In the drawing: On the wall A of a building structure I mount a series of tracks 1 in horizontal alinement with each other, and spaced apart the required distance to accommodate the height of the pan structures, hereinafter to be described. It will be understood that all the horizontal lines of pans are, generally, of the same height. Each line of track is secured to the wall A, preferably by screws 2. Each rail 1 is formed with the central, longitudinal portion 3 extending outwardly from the inner members 4, which members have the flanges 5 integral therewith and through which flanges the securing screws 2 are passed, said flanges being appropriately apertured to accommodate said screws. The central, longitudinal portion 3 of the track 1 is slotted, as at 6, for the reception of a securing member, hereinafter to be described. These slots 6 are spaced apart longitudinally of each other a distance so that adequate supporting of the enameled pans is secured.

The porcelain enameled pans 7 have the inturned side edges 8 to which are welded the clips 9 and 10 at the top and bottom of said pans 7, respectively. The clip 10 is a short member of sheet metal, which, as previously explained, is welded to the inside of the bottom, inturned edge 8. A goose-neck 11 is provided at the outer end of the clip 10, and the forward, free end of said goose-neck is adapted to enter the slot in the upper side of the track 1 in the central, longitudinal portion 3. By this arrangement the lower portion of the pan 7 is securely supported. The clip 9, also a short member of sheet metal, is likewise welded to the inside of the top, inturned edge 8. The clip 9 is provided with a slot to receive a securing member 12, which in the preferred form is illustrated in Figs. 2, 3, and 4. This securing member 12 is formed from wire having some resilient qualities, and in Fig. 4 I have shown this member 12. The inner, bowed side of the member 12 has two outwardly extending legs 13, each of which is bent inwardly to form an indentation 14, whereby the member 12 is to be caught in the slot in the clip 9 and the upper slot in the track 1, as clearly appears in Fig. 4. The outer ends 15 of the member 12 are inturned to facilitate their insertion in the slots above referred to. It will be noted by reference to Fig. 4 that the member 12 can be readily removed from the slot in the track 1, as well as from the slot in the clip 9. These slots are sufficiently wide to loosely accommodate the member 12. When the pans 7 are secured to the tracks 1, as shown in Fig. 2, a relatively close joint between the pans 7 is provided, and said pans are securely mounted on the wall A. In the joints between the pans 7 is placed a caulking material 16, which may be of a cork constituency, or any desired caulking material may be used.

In the modifications shown in Figs. 6 and 7, I employ a different fastening top member for the pans 7. The fastening member 17 shown in Figs. 6 and 7 comprises a sheet member piece having a flange 18, a right angular member 19

extending from said flange 18, a tongue 20 stamped from the member 19, which tongue 20 is adapted to contact against one face of the clip 9 while the flange 18 contacts against the opposite face of the clip 9, when the fastening member 17 is placed in position through the slot in the clip 9 by inserting the flange 18 through said slot in said clip and permitting the wall of the said clip to extend between the tongue 20 and the flange 18. I then bend the tongue 20 back against the wall of the clip 9 by means of a pair of pliers. At the outer end of the member 19 is a back-turned portion 21, which is relatively resilient, and when this member 19 and portion 21 are passed through the lower slot in the track 1 the metal of the track 1 is only wide enough to fill the space between the portion 21 and the clip 9, as is shown particularly in Fig. 6.

It will be noted that I have produced an attractive and ornamental porcelain enameled pan which can be cheaply and efficiently secured to the wall of a building, and one which can be readily removed from the structure with little likelihood of mutilation of the surface of the pan structures. By prying loose the topmost layer of the pan structures, each lower layer can be quickly and conveniently removed, and such pans may be used in another location.

I claim:

1. In a device of the character described, a series of sheet metal pans adapted to be ornamentally decorated on one surface thereof, inturned side edges on said pans, clips adapted to be secured to the top and bottom inturned side edges of said pans, one set of clips having a hook-shaped portion adapted to support the bottom of each pan and the other set of clips being adapted to receive a supporting member for the top of each pan, and a series of tracks longitudinally alined with each other and cooperating with said clips to provide a support for said pans, said first named set of clips entering at the bent portion thereof an opening in said track, and the supporting member in the second named set of clips entering another opening in said track, said first and second named series of clips supporting the tops and bottoms of said pans, respectively.

2. In a device of the character described, a series of sheet metal pans adapted to be ornamentally decorated on one surface thereof, inturned side edges on said pans, a series of clips adapted to be secured to one inturned side edge of said pans, said clips being provided with a hook-shaped portion, another series of clips adapted to be secured to another inturned side edge of said pans being slotted to receive a supporting member for said pans, a resilient, removable, supporting member adapted to co-operate with said last-named series of clips, and a series of longitudinally alined tracks adapted to receive the supporting members for said pans, said first named series of clips entering at the hook-shaped portion thereof an opening in said track and the supporting member in the second named series of clips entering another opening in said track, said first and second named series of clips supporting the tops and bottoms of said pans, respectively.

3. In a device of the character described, a series of sheet metal pans adapted to be ornamentally decorated on one surface thereof, inturned side edges on said pans, clips adapted to be secured to the top and bottom inturned side edges of said pans, one set of clips having a hook-shaped portion adapted to support the bottom of each pan and the other set of clips being adapted to receive a removable supporting member for the top of each pan, and a series of tracks longitudinally alined with each other and cooperating with said clips to provide a support for said pans, said first named set of clips entering at the bent portion thereof an opening in said track, and the supporting member in the second named set of clips entering another opening in said track, said first and second named series of clips supporting the tops and bottoms of said pans, respectively.

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