April 18, 1944. S. P. LICHTOR 2,346,769

WALL COVERING FIXTURE

Filed March 30, 1942

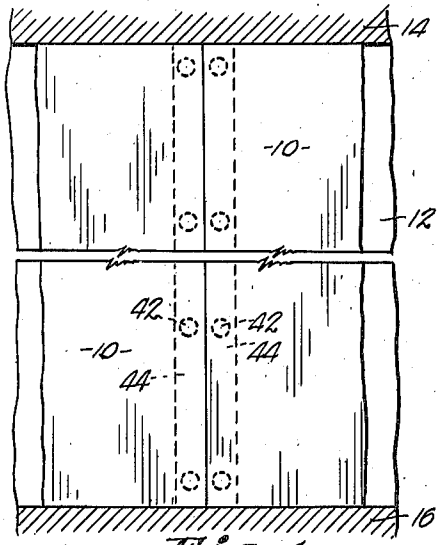


Fig. 1.

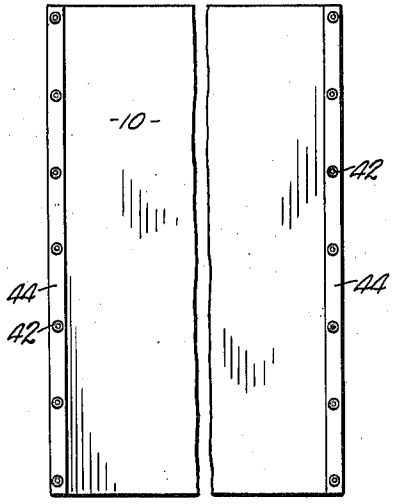


Fig. 2.

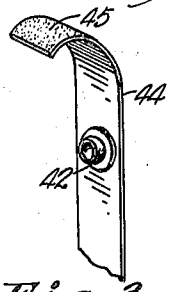


Fig. 3.

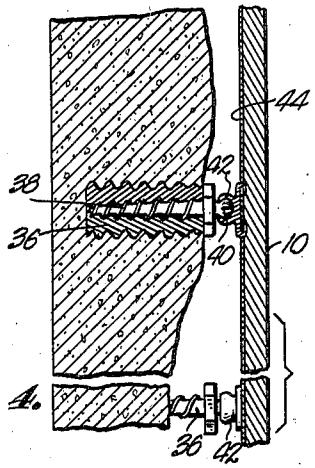


Fig. 4.

Fig. 5.

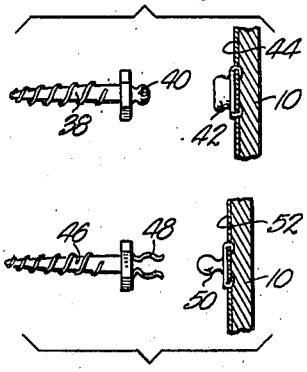


Fig. 6.

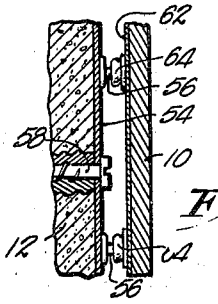


Fig. 7.

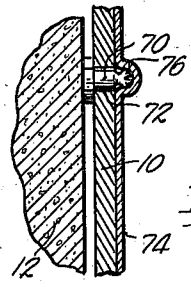


Fig. 8.

INVENTOR.
Samuel P. Lichtor

BY
Earl Hoverl
ATTORNEY.

Patented Apr. 18, 1944 2,346,769

UNITED STATES PATENT OFFICE

2,346,769

WALL COVERING FIXTURE

Samuel P. Lichtor, Kansas City, Mo.

Application March 30, 1942, Serial No. 436,793

2 Claims. (Cl. 20—4)

This invention relates to the art of applying paneling or similar wall covering to structures, and is a continuation in part of my co-pending application Serial No. 381,457, filed March 3, 1941.

One of the important aims of the instant invention is the provision of means for removably positioning wall covering, which means comprises cooperating resilient elements having parts that releasably interconnect, to the end that the wall covering may be quickly and easily attached or detached from the surface of the structure walls.

A yet further object of the invention is the provision of unique, novel, inexpensive and positively acting parts for releasably securing panels to the surface of walls, which means has a portion thereof permanently attached to the wall to cooperate with units either directly on the panel, superimposed thereagainst, or detachably associated therewith.

This invention has for a still further object, the provision of means for supporting panels in a manner described in my U. S. Letters Patent No. 2,208,159, but through the employment of parts not disclosed in said patent, and which are believed to be more economical to produce, easy to operate, and more effective in allowing the user to accomplish the desired end.

In my aforesaid patent, parts of the fixtures employed were made to form a portion of the building or set in the structure during its erection. In the instant invention, means for detachably securing the panels are added to the surface of the walls of the structure without affecting the same, and in a manner to present an even group of anchors arranged to hold the wall-board in a predetermined position without regard to the unevenness of the underlying structure wall. One of the specific objects of this invention therefore, is to provide means for attaching panels to flat surfaces, which means contemplates elements attachable to not only the building, but to the panel itself after the latter has been formed.

Specific objects of the invention include details of structure which will appear during the course of the following specification, referring to the accompanying drawing, wherein:

Fig. 1 is a fragmentary condensed plan view of a wall having panels covering the same and held in place by fixtures made in accordance with the present invention.

Fig. 2 is a rear elevational view of a wall panel having thereon the fixture parts which cooperate with members on the building.

Fig. 3 is a perspective view of a portion of that portion of the resilient fixture which is arranged for attachment to the wall-board.

Fig. 4 is a fragmentary detailed sectional view through a part of a structure wall, illustrating the manner of removably supporting a panel through resilient fixtures that may be associated with the building wall and panel after the same have been constructed.

Fig. 5 is a stretch-out fragmentary sectional view of the parts shown in Fig. 4.

Fig. 6 is a similar view illustrating cooperating members embodying a modified form of the invention.

Fig. 7 is a fragmentary detailed sectional view through a wall and panel illustrating another form of the invention; and

Fig. 8 is an enlarged fragmentary sectional view showing still another manner of employing the resilient fastener principle for securing wall-boards.

Panels 10 are shown throughout all of the views of the drawing to be of conventional nature well-known in the art, and in Figs. 1 and 2, the panels 10 are shown mounted directly against the surface of the supporting structure of wall 12. Panels 10 may extend from ceiling 14 to floor 16 and while panels 10 are illustrated to be attached to a vertical wall of structure 12, it is understood that the same may be applied to the ceiling if desired.

In the form of the invention illustrated in Figs. 1, 2, 3, 4, 5 and 7, wall 12 is provided with an expansion bolt 36 and a screw 38 movable to and from the position shown in Fig. 4. Screw 38 has a head 40 that fits into socket member 42 carried by tape 44 fastened directly to one face of panel 10 by adhesive 45. The use of adhesive 45 renders it possible for the user to apply tape 44 on the job or the factory may assemble the wall-board 10 and adhesive 44 at the factory after wall-board 10 is complete. The distance between screws 38 and members 42 on tape 44 should be the same so that assembly may easily occur when any type of wall-board is being applied to the structure.

Another way of removably securing panel 10 to wall 12 is through the employment of screw 46 having a clip 48 at one end thereof, which yieldably grasps head 50 carried by tape 52. Tape 52 may be supplied to wall-board 10 by adhesive as before set down, and the use of a clip 48 on screw 46 indicates the manner in which the structure

embodying the invention might be altered to suit conditions as to manufacture and installation.

In Fig. 7 a rigid strip 54 having headed members 56 secured at intervals therealong, is fastened to the face of wall 12 by screws 58 in expansion bolts 60. After this strip 54 has been affixed, wall-board or panel 10 is provided with tape 62 in the manner above mentioned. Tape 62 carries socketed members 64 to receive headed members 56.

In the form of the invention shown in Fig. 7, installation may be made by having a quantity of tape 62, several lengths of strip 54, and several panels 10. Assembly may occur on the job by gluing or cementing tape 62 to panel 10 if tape 62 does not have adhesive thereon, and thereafter mounting strip 54 as before mentioned. Thus, any number of panels 10 may be removably affixed to a wall for replacement by others.

Screws 38 may be employed, as shown in Fig. 4, to evenly support the panel material 10 to produce a straight, even surface on uneven walls.

The form of the invention shown in Fig. 8 is slightly different from the forms illustrated in Figs. 1 to 7 inclusive. In this type of installation, wall 12 has a headed screw 70 that extends through opening 72 in panel 10. A finishing strip 74 having a socket 76 therein receives the head of screw 70 and lies in superimposed relation against the outer face of panel 10. Thus the panel may be drilled to provide holes 72 at distances apart equal to the distance between sockets 76 in strip 74. On the job these holes may be drilled and screws 70 mounted on wall 12.

To replace panel 10, it is but necessary to withdraw strip 74 from its association with screw 70 and thereafter, lift panel 10 away from wall 12.

Materials employed for making the parts shown and described may be varied to suit conditions. Plastic, for example, may form the panel 10 to impart thereto colors of desired shades and to present a washable surface.

It is obvious from the foregoing, walls of all types may be covered with removable paneling and that even finished surfaces are presented by disposing the fixtures in alignment in a manner shown in Fig. 4. The specific form of snap fasteners may be altered without departing from the invention, and in fact, structure having characteristics much different from those illustrated and described might be made without departing from the scope of the appended claims.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

1. Means for removably attaching stiff panels to a supporting wall, comprising anchoring elements mounted on the wall in spaced apart relation; yieldable parts at each anchoring element for engaging the same to releasably hold the panel in place; and a strip of material common to a number of said parts for mounting the parts on the panel, said anchoring element having heads disposed in a common plane spaced outwardly from the surface of the wall, whereby to support evenly, the panels over walls having uneven faces.

2. Means for removably attaching stiff panels to a supporting wall, comprising anchoring elements mounted on the wall in spaced apart relation; and yieldable parts at each anchoring element for engaging the same and the panel to releasably hold the latter in place, said anchoring elements having heads thereon projecting outwardly from the wall, said yieldable parts being members for engaging the heads, said members being carried by a strip of material having adhesive along the one side thereof for securement to the panels.

SAMUEL P. LICHTOR.