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M. S. STANBRO
WALL BOARD FASTENER
Filed Jan. 21, 1925

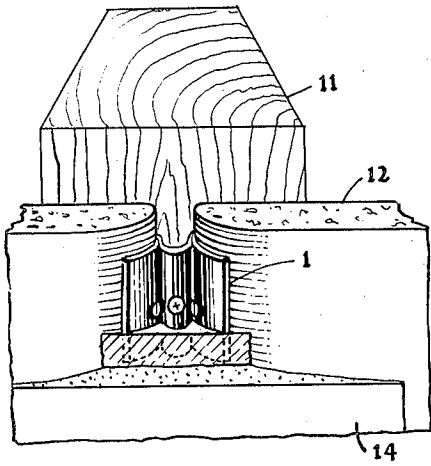


FIG. 2

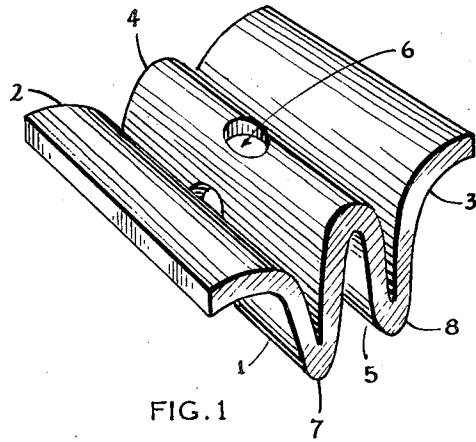


FIG. 1

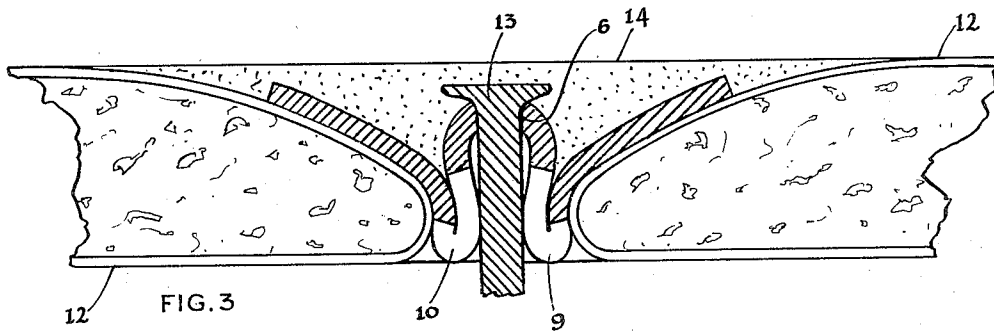


FIG. 3

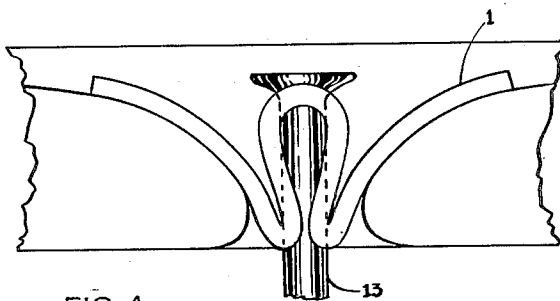


FIG. 4

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WALL-BOARD FASTENER.

Application filed January 21, 1925. Serial No. 8,779.

To all whom it may concern:

Be it known that I, MARK S. STANBRO, a citizen of the United States, residing in the city of Buffalo, county of Erie, State of New York, have invented certain new and useful Improvements in Wall-Board Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved sheet metal fastener for panels of wall-board, plasterboard and the like which is of simple construction and which may be used to secure the edges of adjacent panels.

The principal object of the invention is to incorporate in a fastener of the character described means to securely hold and reinforce the panels at the joints. A further object of the invention is to eliminate nailing the panels thru the edge, thus avoiding disfiguring caused by nails which have a tendency to chip the edges when used in conjunction with plaster wallboard, because of their close proximity to the edge. A further object of the invention is to avoid high spots of plaster filler at nail coverings and to avoid the use of furring strips when inaccurate spacing brings the panel edges too close to the edge of the supporting framework. A further object of the invention is to provide in a fastener of this character a section which will provide the correct spacing between abutting panels. Still another object of the invention is to construct a fastener in such a manner as to facilitate its ready attachment to its support.

In accordance with the invention the fastener is struck from a single piece of sheet metal and in the center of the fastener a section is formed of curved or crimped or cross sectional configuration for the purpose set forth.

The invention will be more fully explained hereinafter with reference to the accompanying drawing and in which—

Fig. 1 is a perspective view of a fastener embodying the invention.

Fig. 2 is a view in section thru a fragment of a supporting member and two adjacent panels showing the relation thereto of the improved fastener when in proper position.

Fig. 3 is an enlarged cross sectional view showing the fastener in position.

Fig. 4 is an enlarged cross sectional view showing the fastener in position when the wallboards have been spaced closer together than shown in Fig. 3.

The improved fastener consists of a thin metal plate 1, being of a composition which will readily conform to the configuration of the edges of the panels without injury to the same but of sufficient hardness to securely hold the same in proper position.

The fastener 1, is provided with oppositely extending flanges 2 and 3, shaped so as to conform substantially to the configuration of the edges of the adjacent panels. It is to be understood that the invention is not to be limited to the particular shape or to the particular angles at which the flanges 2 and 3 are disposed with relation to the body. The fastener is provided with a substantially central rib or web 4, which is doubled, forming a lengthwise channel 5. The rib or web 4, is provided with a nail perforation 6, located substantially in the central portion thereof. It is to be understood that it is within the scope of this invention to extend the length of the fastener whereby it will be necessary to provide the same with two or more nail perforations.

The rib or web 4, is connected to the flanges 2 and 3 at 7 and 8, which connection is narrowed down for a purpose hereinafter described. The rib or web 4, is cut away at 9 and 10, adjacent to and in line with the nail perforations 6, for a purpose to be hereinafter described.

In the construction of a wall using the fastener 1, the panels 12, are substantially "buted" over a frame element, such as the studding 11, and secured by the fastener which may be secured to the studding 11, by means of an ordinary "wire" nail 13. The nail 13, may be assembled with the fastener, that is, the nail 13, may be pivotally mounted adjacent its head to the rib or web 4, in any well known manner.

When driving this fastener into position the flanges 2 and 3, will adapt themselves to the configuration of the edges of the panels and the portions 7 and 8 will encircle the shank of the nail 13, due to the cut away portions 9 and 10, as more clearly shown in Fig. 4.

It will be noted that due to the rib or web 4, the fastener is adapted to accommodate panels variably spaced, due to inac-

curate spacing of either the panels or the supporting framework.

The rib or web 4, is curved or crimped as shown, for the further purpose of permitting free expansion and contraction without imposing undue strain on the panels.

After panels of plasterboard have been erected with fasteners the wall seams, according to custom are covered with a coating of finishing plaster 14, which obviously covers over both the fasteners and the edges of the panels. This finishing plaster bonds to the plasterboard and also finds its way thru the various openings in the fastener forming a seamless, smooth wall as shown in Figs. 2, 3 and 4. In this manner it will be apparent that the fasteners 1, will be very firmly bonded in the wall.

With these fasteners inserted or embedded in the wall there is no tendency for the finished wall to crack at the joints.

It is to be understood that this form of fastener may be used in conjunction with fibred wallboards, plaster wallboard and plaster board.

Changes in the form and construction of the fastener may be made without departing from the scope of the invention.

Having thus described my invention, I claim—

1. A wallboard fastener comprising a central portion provided with extending flanges adapted to take the configuration of the edges of the wallboard as it is being secured in position by the attaching means.

2. A wallboard fastener comprising a central crimped portion provided with a hole therein adapted for the insertion of a securing nail, said portion having channels adjacent to said hole adapted to encircle said nail, said portion having extending therefrom two curved flanges adapted to take the configuration of the edges of the wall board when secured in position.

3. A wallboard fastener for bevelled edge wallboard comprising a central V

shaped portion having a substantially central opening for the reception of a fastening device to hold the fastener to a stud, said portion having flanges curved outwardly and laterally in opposite directions whereby said flanges may secure wallboard panels in place.

4. A wallboard fastener comprising a folded portion and devices connected directly therewith for securing wallboard panels to the framework of the building, said devices being such that they will readily take the configuration of the wallboard edges while being nailed in position.

5. A wallboard fastener comprising a folded central portion provided with an aperture, curved flanges connected therewith for securing wallboard panels to the framework of the building and a nail pivotally but not longitudinally mounted in said aperture.

6. In combination with a wall forming element and a pair of wallboards, a fastener for the boards in the form of a substantially W form, the same comprising a doubled V shaped web and a pair of curved flanges oppositely projecting therefrom and disposed in angular relation with respect to the web, the fastener being disposed with its web between the boards, and the flanges conforming to and engaging the end edges thereof, the web of the fastener having an aperture, and a securing nail for the fastener, said fastener and nail being entirely below the exposed surface of the wallboards and entirely invisible on the finished wall.

7. A wallboard fastener comprising a folded central portion provided with an aperture, curved flanges connected therewith, and adapted to conform to the curved edge of the wallboard while being attached, said fastener being entirely below the surface of the wallboard when in position.

In testimony whereof, I affix my signature.

MARK S. STANBRO.