May 3, 1932. F. M. VENZIE 1,856,674

PARTITION AND CEILING CONSTRUCTION

Filed Feb. 12, 1930

Fig. 1.

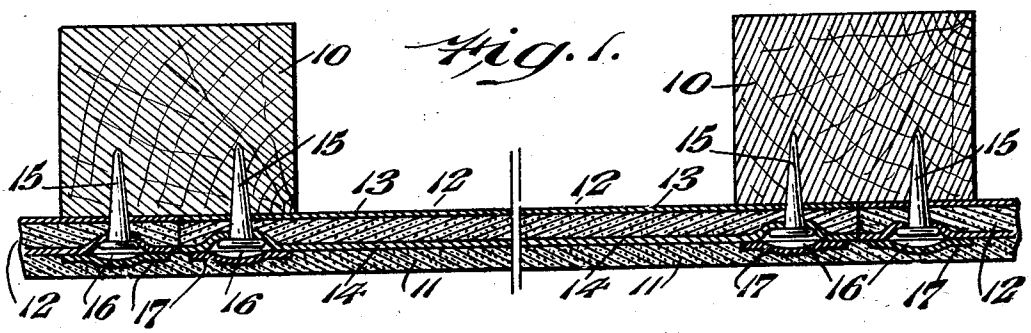


Fig. 2.

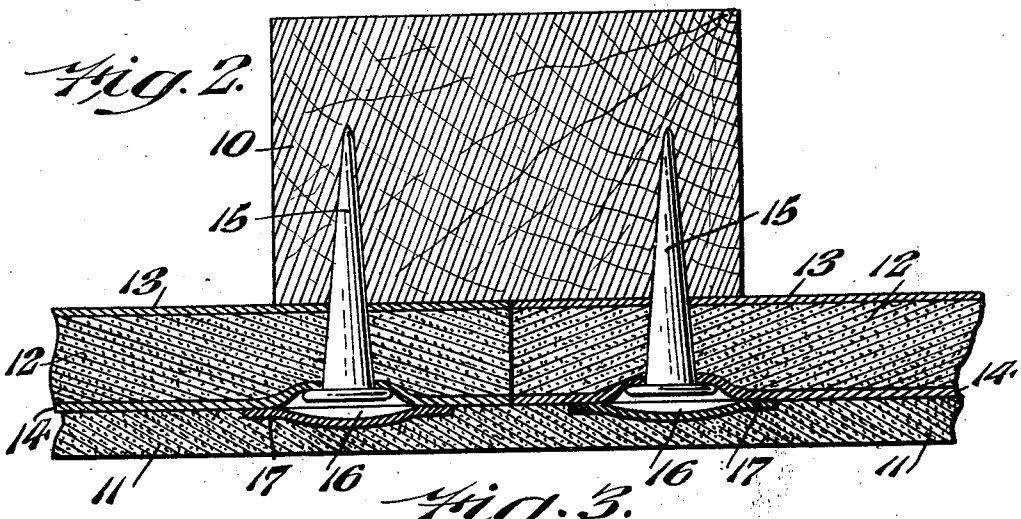
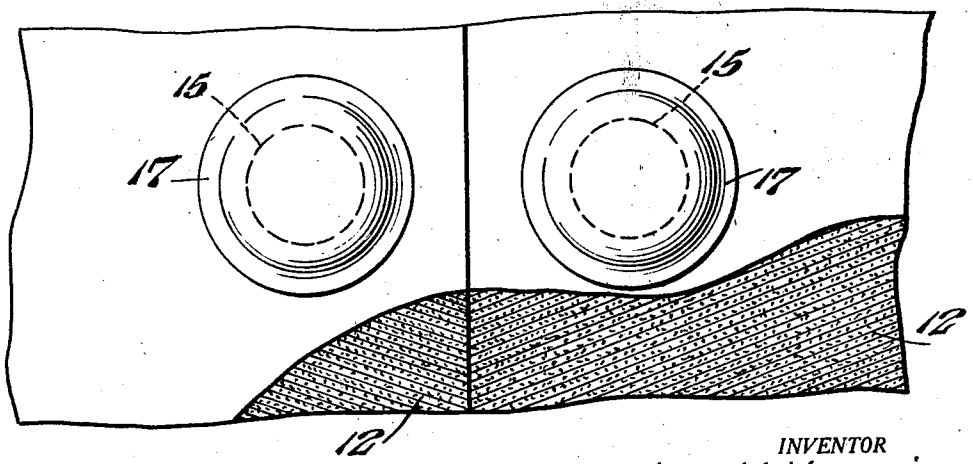


Fig. 3.



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1,856,674

UNITED STATES PATENT OFFICE

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PARTITION AND CEILING CONSTRUCTION

Application filed February 12, 1930. Serial No. 427,772.

This invention generally stated relates to a building construction in which conventional plaster boards are nailed to studding and later covered with a coat of plaster. These plaster boards are formed of a plaster body enveloped by a covering of thin paper. In time as the studding sags or shifts, the heads of the nails holding the plaster boards in place frequently tear the paper loose and cause openings and bulging parts to appear, which tend to disfigure or mar the appearance of the finished plastering as applied to the plaster boards.

It is the leading purpose of the present invention to overcome this disadvantageous feature and provide a construction of parts whereby sagging or shifting of studding to which plaster boards have been nailed will not have the effect of so disturbing the nail heads as to mar the appearance of the finished plaster.

A further purpose of the present invention is to provide the workmen erecting plaster boards with a supply of adhesive discs for covering the nail heads at time of erection of the plaster boards and prior to the plaster being applied, so that unskilled labor may be employed for rectifying a very serious problem of the plasterer's trade now prevalent.

A still further purpose of the present invention is to provide a structure of the character stated in which an air pocket is permitted to remain between a driven nail head and an adhesive disc, so that any accidental displacement of nail head may be taken care of within such pocket without puncturing the finished plaster or causing a protuberance thereon.

A further purpose of the present invention resides in the providing of general details of construction and arrangement of parts as will hereinafter more fully appear.

With these and other purposes in view, the invention consists of the novel construction hereinafter described and finally claimed.

The nature, characteristic features and scope of the invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, and in which:

Fig. 1 is a horizontal sectional view of a plaster board nailed to studding in accordance with the present invention;

Fig. 2 is an enlarged sectional view of a portion of the same; and

Fig. 3 is a face view of Fig. 2 with the plaster coating 11 removed.

For the purpose of illustrating my invention I have shown in the accompanying drawings one form thereof which is at present preferred by me, since the same has been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of the instrumentalities as herein shown and described.

Referring now to the drawings in detail, the reference numeral 10 designates spaced studding forming part of a wall, partition, or ceiling structure. In the practice of plastering it is usual to nail to such studding conventional plaster boards arranged to receive a coat of plaster 11. These plaster boards each comprises a relatively thick body 12 of a soft, yielding, plaster composition the particles of which are held in place by thin sheets of paper designated 13 and 14. The plasterer nails these plaster boards to place by means of nails 15, usually with a single blow of his hammer, so that the outer sheet of paper 14 is indented as the head of the nail is driven inwardly. This is clearly illustrated in Fig. 2. As the studding 10 sags or shifts, in time, the head of the nail is apt to move in the pocket 16 formed by the plasterer when driving the nail home, and this moving of the nail head does one of two things, to wit: it either increases the size of the pocket 16; or else bulges forwardly the sheet of paper 14, so that an uneven surface is presented throughout the surface of each plaster board. By this unevenness of surface the appearance of the coat of plaster 11 as applied over the plaster boards is marred or disfigured. According to the present invention, therefore, I provide the plasterer with a supply of paper discs 17 provided with a

gummed surface. As the plasterer drives home a nail 15 to form the pocket 16 the plasterer places over the pocket 16 thus formed one of the paper discs 17, and thereafter applies the coat of plaster 11, as usual. Thus, should the studding sag or shift so that the nail 15 is moved, there is sufficient space between the head of the nail and the paper disc 17 to allow for slight nail movement and thus prevent fracture of the plaster 11.

By the above described arrangement, construction, and connection of parts a very efficient method of plaster board erection is provided which may be put up by unskilled labor, whereby the finished plaster surface presents a uniform, even appearance at all times, regardless of sagging or shifting of the studding.

In the drawings the discs 17 are described as being formed of paper and are shown as being slightly convexed. Obviously material, other than paper, which is thin and pliable may be employed and the discs may be flat if desired, the purpose being to provide a pocket 16 in advance of a nail head.

I am aware that the invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof, and I therefore desire the present embodiment to be considered in all respects as illustrative and not restrictive, reference being had to the appended claim rather than to the foregoing description to indicate the scope of the invention.

What I claim is:

A building structure comprising in combination studding, a plaster board of equal thickness throughout its extent nailed thereto so that individual pockets remain between the heads of the nails and the outer face of the plaster boards, a plurality of dished discs adhesively secured at their inner peripheries to said plaster boards to cover the heads of said nails and said pockets, there being a space between the head of each nail and the inner face of each disc to accommodate nail displacement, and a coating of plaster covering said plaster board including said discs.

In testimony whereof, I have hereunto signed my name.

FREDERICK M. VENZIE.