March 6, 1928. 1,661,253

A. J. FRITZ

PLASTER GAUGE

Filed July 6. 1925

Fig. 1

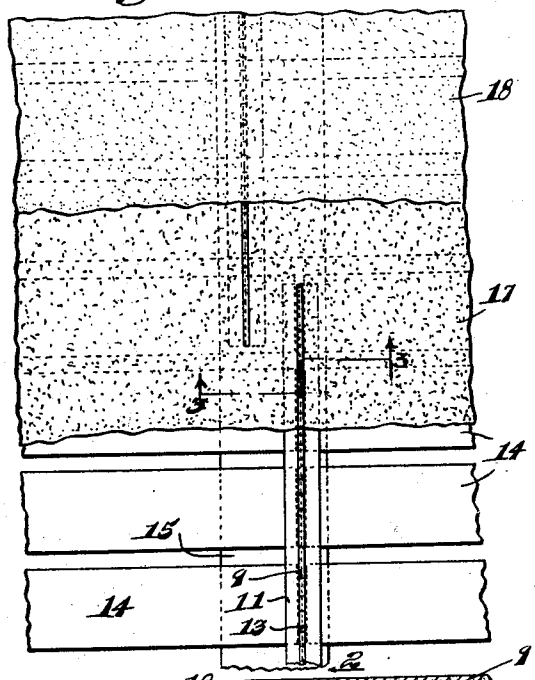


Fig. 2

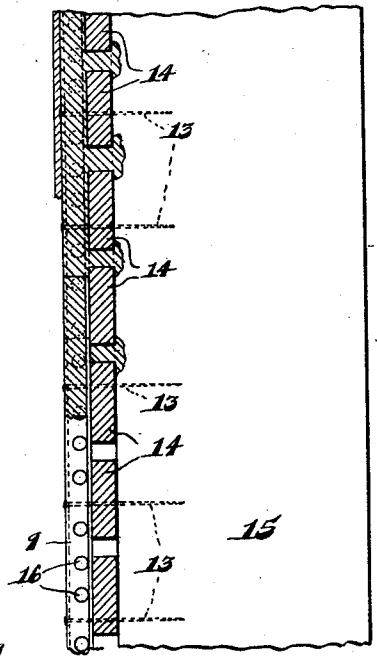
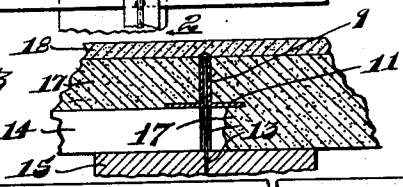


Fig. 3



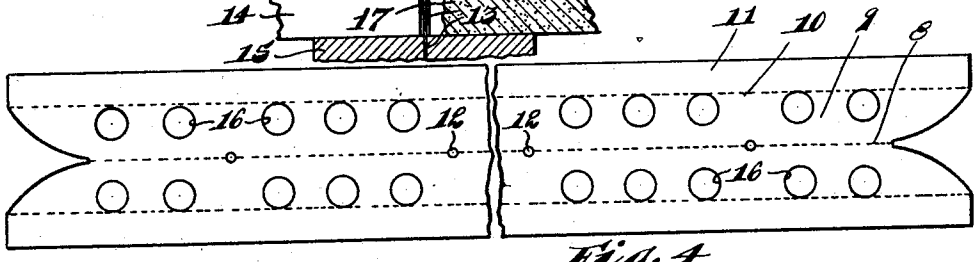


Fig. 4

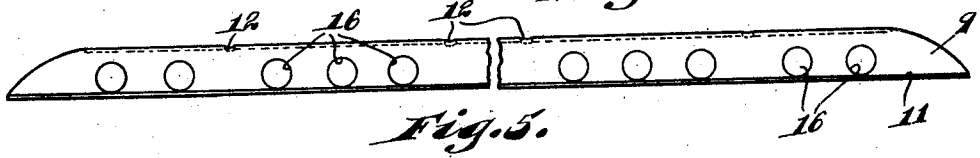


Fig. 5.

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UNITED STATES PATENT OFFICE.

AUGUST J. FRITZ, OF CHICAGO, ILLINOIS.

PLASTER GAUGE.

Application filed July 6, 1925. Serial No. 41,600.

My invention relates to a plaster gauge, and has for an object to provide means for enabling a quick leveling of the first coat or brown coat of plaster, and for assuring uniform thickness of said brown coat. Another object is to provide a gauge having transversely extending means at the bottom for covering the joining ends of laths, in order to prevent bulging and cracking of the plaster over said joining ends and over the studs. A further object is to provide a gauge made of sheet metal with a double body portion having perforations in the top for receiving fastening nails, and having transverse openings in the body for receiving plaster to anchor the gauge. And another object is to provide metallic gauge means which is imbedded and anchored in the plaster so as to form reinforcing means therefor in case of fire.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings, forming a part of this specification, and in which,

Fig. 1 is a fragmentary side elevation of a wall showing my invention mounted in position thereon;

Fig. 2 is a vertical sectional view taken on line 2—2 of Fig. 1;

Fig. 3 is a horizontal cross sectional view taken on line 3—3 of Fig. 1;

Fig. 4 is a view of a blank of sheet metal from which the gauge is formed; and

Fig. 5 is a side view of the finished gauge.

The form of construction illustrated comprises a gauge formed from a blank of sheet metal, as shown in Figs. 4 and 5 which is bent or doubled over on the longitudinal center line 8 to form the doubled body 9, and the metal is again bent outwardly from the body on the line 10 to form transversely and outwardly extending flanges 11. Perforations 12 are provided in the top of the body portion 9 for receiving fastening nails 13 to extend through the body portion and through the laths 14, into the studs 15. Anchoring openings 16 are also formed in the body portion for receiving part of the first coat or brown coat 17 of the plaster.

The gauge is provided with its flanges 11 to particularly adapt the same for mounting it over the joint of the laths on the studding and for covering the joining ends of the laths 14, as best shown in Fig. 3. The flanges 11 are narrower than the usual standard stud along which they extend and pockets or keyways are formed between the stud 15 and the bottom of the flanges 11, where they cross the spacing between the laths 14. The plastering enters these keyways and becomes anchored under the flanges along the face of the stud, whereas previously, there were no places for the plastering on the face of the stud to key, and much trouble has been experienced heretofore in that the plaster would come loose and fall off. The flanges and keyways formed between the flanges and the stud prevent bulging of the plaster at said joining ends or breaking away therefrom and from the studding, and these flanges also assist in steadying or holding the device firmly in position on the laths while the brown coat is being applied. The body 9 of the gauge is made of the exact thickness of the brown coat, and the finishing coat 18 is placed over the brown coat and over the top ends of the gauge to fully cover the gauge, as best indicated in Fig. 3.

It is apparent that this device is particularly adapted for preventing bulges and cracking at the joining ends of the laths, and is also particularly adapted for preventing cracks over the studs, wherever the gauge is applied; and it is also apparent that with the gauge applied at suitable intervals, preferably over each stud, the plaster of the wall is reinforced to substantially retain its shape and position during fires, and will thus prevent the breaking up or falling down of the plaster, and will retain the plaster in a complete and solid sheet.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. A plaster gauge and anchor for use in association with studding and lathing comprising associated gauge strips for determining the thickness of the plastering from the

lathing; base flanges on said strips for resting on the lathing and extending along the studding for forming therewith keyways in which to enter and key the plastering, substantially as described.

2. A plaster gauge and anchor for use in association with studding and lathing comprising associated gauge strips for determining the thickness of the plastering from the lathing; base flanges on said strips for resting on the lathing and extending along the studding for forming therewith keyways in which to enter and key the plastering; and alined openings in said associated strips for receiving and keying the plastering therein, substantially as described.

3. A plaster gauge and anchor for use in association with studding and lathing comprising a pair of gauge strips closely associated so that each will strengthen and reenforce the other; a connection between said strips holed to receive securing means; a base flange on each strip resting on the lathing and extending along the studding for forming therewith keyways in which to enter and key the plastering; and openings in each strip for receiving and keying the plastering therein, substantially as described.

In testimony whereof I have signed my name to this specification.

AUGUST J. FRITZ.