

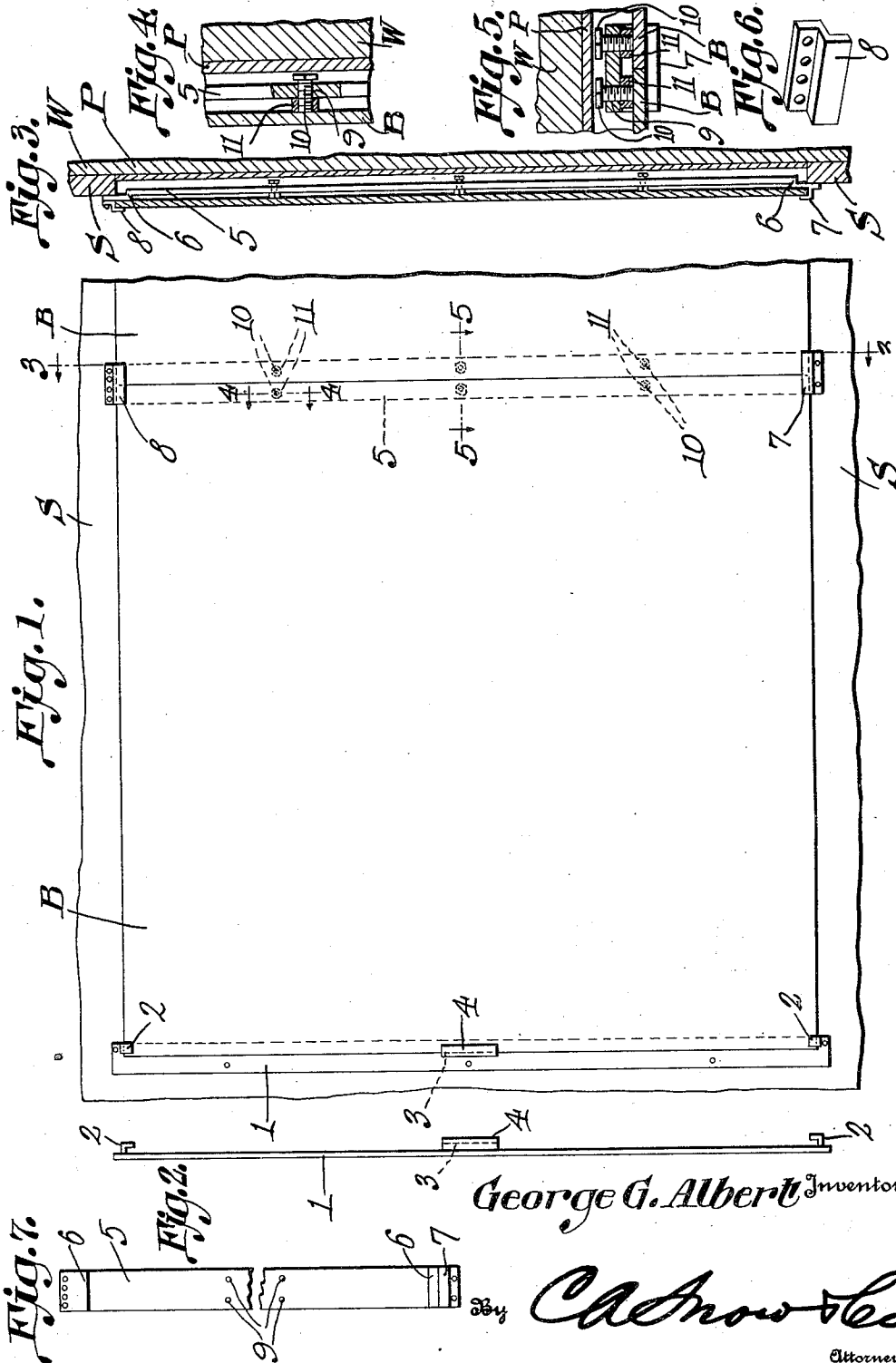
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BLACKBOARD HANGER

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BLACKBOARD HANGER.

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This invention relates to a hanger designed primarily for holding slate blackboards, one of the objects being to provide a simple and efficient device which can be easily positioned so as to provide a firm bearing for the slate and to insure tight joints between the blackboards with the outer surfaces of the boards properly alined to provide a smooth unbroken area.

A further object is to provide a structure of this character which will hold the blackboards firmly at all times so that they will not work loose and rattle, as is frequently the case where blackboards are mounted by means now in use.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings, the preferred form of the invention has been shown.

In said drawings,

Figure 1 is a front elevation of a portion of a blackboard held in position by means of the attaching devices constituting the present invention.

Figure 2 is a side elevation of one of the strips employed for holding the exposed end of the blackboard in place.

Figure 3 is a section on line 3—3, Figure 1.

Figure 4 is an enlarged section on line 4—4, Figure 1.

Figure 5 is an enlarged section on line 5—5, Figure 1.

Figure 6 is a perspective view of one of the clamps used.

Figure 7 is a front elevation of the holding strip, the middle portion thereof being broken away.

Referring to the figures by characters of reference 1 designates a flat metal strip having retaining hooks 2 at the ends thereof adjacent one edge, these hooks being so located that when a slate blackboard B is placed with one edge resting on the strip 1 the upper and lower edges thereof will be lapped and firmly engaged by these hooks. A stop 3 extends from the plate or strip 1 at a point between

its ends for engagement with the edge of the blackboard B and this stop has a flange 4 designed to lap the outer surface of the blackboard and hold it firmly to the strip or plate 1.

Another elongated metal strip 5 is adapted to be used back of the meeting edges of two blackboards, this strip 5 having its end portions offset forwardly as indicated at 6, the lower offset portion being provided with a supporting hook 7 preferably integral therewith and constituting a rest for the meeting ends of the blackboards B. The upper offset portion 6 is detachably engaged by an angular clamp 8 which can be held in place by any suitable fastening means and is adapted to firmly engage the upper edges of the boards B where they come together. This clamp 8 and the supporting hook 7 are spaced apart a distance equal to the height of the boards so that when the boards are properly engaged thereby they will be held against up and down movement. The intermediate portion of the strip 5 constituting one of the attaching members has threaded apertures therein at desired intervals as shown at 9, these apertures being arranged in pairs, the apertures of each pair being at opposite sides of the longitudinal center of the strip. In each aperture is located a screw 10 engaged by a nut 11. These screws are designed to be adjusted so as to engage the back surfaces of the respective boards B after which they are held against retrograde movement by tightening the nuts 11. The screws and nuts on the end holding strips can be adjusted approximately to properly engage the adjacent board B and said boards can then be set up into position. Thereafter should it be found that the boards are not properly backed by the screws, said boards can be removed, the screws readjusted to provide the proper backing, and the boards again set up into place. Thus the two boards B will be provided with an unyielding backing at regular intervals adjacent the meeting edges of the boards so that after the boards have been properly alined and backed, they will be held against relative movement and with their exposed faces flush. As the boards are held solely by metal, there is no danger of the fastening means working loose relative to the boards and causing them to rattle or yield in any direction while in use. The strips 5 can be attached to any kind of a background. In the structure illustrated the

offset ends have been shown attached to wooden strips S attached to the wall structure W having the usual plaster covering P.

If desired a suitable filler of cement can be applied to the strips 5 and 1 before the boards are erected so as to be compressed by the boards when placed in position. Thus, when the cement sets, it will provide a further backing for the boards. Also, if preferred, all of the spaces between the strips can be either partly or entirely filled with cement. This will be compressed by the boards when erected and will then set to afford a further backing for the boards.

Instead of using the strips 1, all of the strips can be like those shown at 5 in Figures 3 to 5. The form of strip shown in Figure 2 is for use in corners where the board is not ordinarily subjected to excessive backward pressure. However, if desired, these strips can be provided with screws similar to those shown at 10. Such an arrangement is so obvious that it is not deemed necessary to show it.

What is claimed is:

1. The combination with blackboards having meeting edges, of an elongated metal strip extending longitudinally of said edges and lapping the back faces of the boards, a supporting hook at the lower end of the strip engaging the lower edges of the blackboards, a clamp detachably secured to the upper end of the strip and engaging the upper edges of the boards, said supporting hook and clamp cooperating to hold the blackboards securely against up and down displacement relative to each other, and means adjustably carried by the strip at a point between the ends thereof for engaging and backing each of the boards adjacent said meeting edges.

2. The combination with blackboards having meeting edges, of a strip back of said edge extending longitudinally thereof, said strip including an elongated strip of metal, a supporting hook adjacent one end thereof for engaging and supporting the lower edges of the blackboards, a clamp connected to the upper end of the strip for engaging and holding the upper edges of the blackboard, said strip having offset end portions constituting bearings for the upper and lower portions respectively of the boards, the remaining portion of the strip being spaced from the boards, and means adjustably mounted on the strip for engaging the back faces of the boards to hold them against backward displacement relative to each other.

3. The combination with blackboards having meeting edges, of a strip including an elongated strip of metal offset at its ends to provide bearings for the upper and lower portions respectively of the boards, a supporting hook adjacent the lower end of the strip for engaging and supporting the lower

edge portions of the blackboards, a clamp detachably secured to the upper end portion of the strip for engaging and holding the upper edge portions of the blackboards, said strip being positioned back of the meeting edges of the blackboards, that portion of the strip between the offset ends being spaced from the blackboards, backing screws adjustably mounted within the strip for engaging the black boards adjacent the meeting edges, thereby to hold the boards against backward yielding relative to each other, and means upon the screws for holding them against retrograde movement subsequent to adjustment.

4. A spline for blackboards, including an elongated strip of metal having forwardly offset end portions constituting rests for the meeting edges of two blackboards, a supporting hook adjacent the lower end of the strip, an angular clamp detachably mounted on the upper end of the strip, adjusting elements carried by the strip between the offset ends thereof for engaging and backing the edge portions of blackboards engaged by the strip.

5. The combination with a supporting structure, of an elongated metal strip having forwardly offset ends secured to said structure, a supporting hook upon the lower offset portion of the strip for engaging and supporting the meeting edge portions of two blackboards, a clamp connected to the upper offset portion of the strip for engaging and holding the upper edge portions of meeting blackboards, that portion of the strip between the offset ends being spaced from the back faces of the blackboards when in engagement with the strip, and means carried by said intermediate portion for engaging the back face of each blackboard to hold it against backward displacement.

6. The combination with a supporting structure, a holding member including an elongated metal strip having forwardly offset end portions secured to said structure, blackboards having meeting edges disposed in front of the strip and bearing against said end portions, that portion of the strip between the offset end portions being spaced from the blackboards, a supporting hook upon the lower end portion of the strip for engaging the lower edges of the meeting blackboards, a clamp upon the upper end portion of the spline for engaging the upper edge portions of the meeting blackboards, bolts adjustably mounted within the intermediate portion of the strip, said bolts constituting means for engaging the back faces of the blackboards to hold them against backward displacement, and means for holding the bolts against retrograde movement subsequent to adjustment.

7. The combination with blackboards having meeting edges, of a strip back of said

edges extending longitudinally thereof, said strip including an elongated piece of metal, a supporting hook adjacent one end thereof for engaging and supporting the lower edges 5 of the blackboard, a clamp connected to the upper end of the strip for engaging and holding the upper edges of the blackboard, and means adjustably mounted on the strip for engaging the back faces of the blackboard to hold them against backward displacement 10 relative to each other.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

GEORGE G. ALBERT.