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J. W. HAINLINE.
TRAY ATTACHMENT FOR BLACKBOARDS.
APPLICATION FILED MAY 27, 1907.

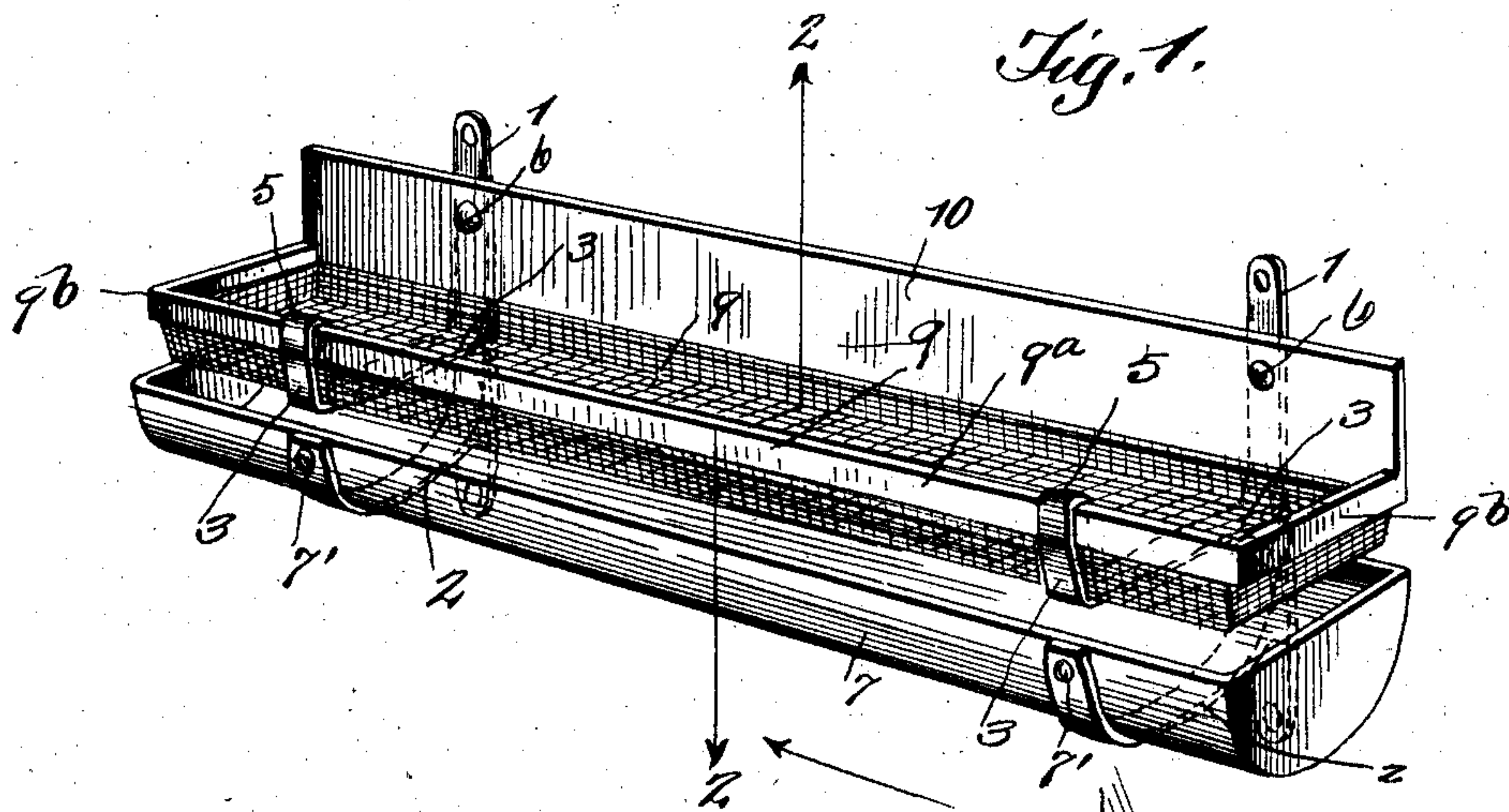
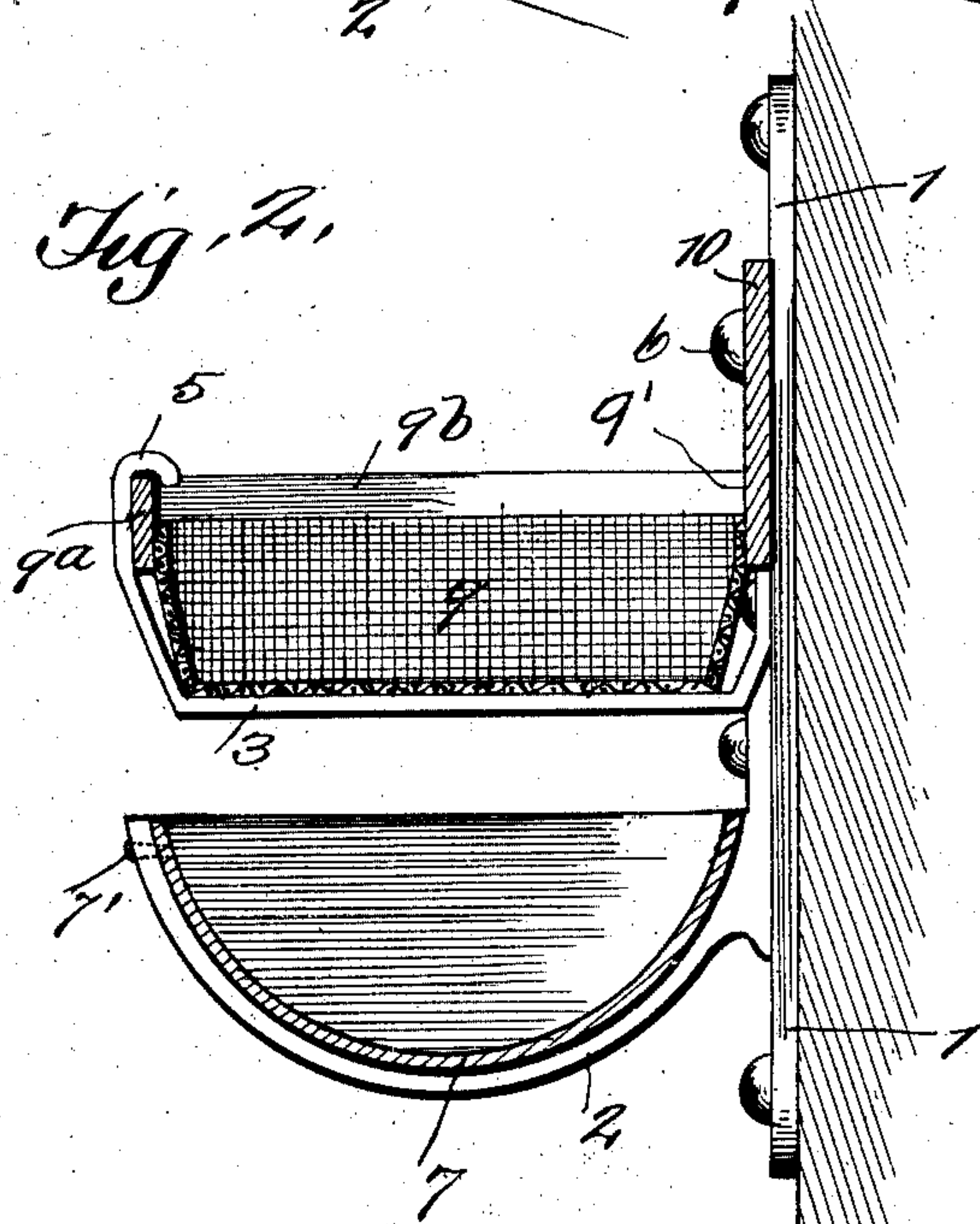


Fig. 2.



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TRAY ATTACHMENT FOR BLACKBOARDS.

No. 883,402.

Specification of Letters Patent.

Patented March 31, 1908.

Application filed May 27, 1907. Serial No. 376,034.

To all whom it may concern:

Be it known that I, JOHN W. HAINLINE, a citizen of the United States, residing at Great Bend, in the county of Barton and State of Kansas, have invented certain new and useful Improvements in Tray Attachments for Blackboards, of which the following is a specification.

This invention pertains to improvements in tray attachments for blackboards, and more particularly to a tray attachment which collects the dust from the chalk, as well as that which notoriously is collected by the eraser, and retains the same at points remote from the chalk and eraser, thus leaving each of the latter free from contact with the chalk dust after the latter has become free of the chalk and eraser.

The invention aims to generally improve, simplify and increase the efficiency of trays of this type and at the same time to render the cleansing of the collecting tray easier than heretofore.

With the above and other objects in view, my invention consists in the novel details of construction and combination of parts to be fully described in the following specification and later pointed out in the claims.

Referring to the accompanying drawings forming a part of this specification and wherein like characters of reference denote similar parts throughout the several views:— Figure 1, is a perspective view of my invention, Fig. 2, is a cross section on line 2—2 of Fig. 1.

In practice I preferably employ two individual supporting base members 1, of strip form provided with screw holes for the reception of screws by means of which the brackets 2 and 3, are connected to the base members and the latter to the wall.

The brackets 2, are curved in conformity with the bottom of the tray 7, which is mounted thereon. To secure the tray to the brackets 2, I use fastening means 7', which pass through the outer ends of the brackets and the side of the tray, as shown.

The brackets 3, are of approximately U-shape, having a straight bottom and up-turned ends, upon which bottom a reticulate receptacle 9, rests, said receptacle being held against movement by hooked outer portions 5, formed on the outer free ends of the brackets and screws 6, which latter extend through the wide imperforate sheet metal back 10, of

receptacle 9, and serve to secure receptacle 9, to the base plate and the wall.

The tray 7, is preferably formed of imperforate sheet metal made approximately U-shaped in cross section, being of requisite length.

The receptacle 9, is of the same length as tray 7, and made of perforate material mounted upon an oblong open sheet metal frame 9', having the aforesaid wide back plate 10, which seats on the inner ends of brackets 3. Frame 9', is constituted of a front member 9^a, and end members 9^b, each formed of narrow strips of metal, the end members 9^b, being connected to the back plate 10.

The tray 7, and receptacle 9, are superposed in such relation as to provide a wide, open space between them to enable easy and convenient access to the receptacle 9, with a brush or other implement.

The chalk dust resulting from use of the chalk and eraser naturally drops through the reticulate bottom of receptacle 9, and is caught by the imperforate tray or receptacle. It is also possible to cleanse erasers by rubbing them on the reticulate bottom of tray 9.

Back plate 10, serves to protect the lower portion of the black board and prevents the eraser and chalk from discharging their dust thereagainst when the eraser and chalk are placed in the perforate tray.

It will be observed that since the tray and the receptacle are separately and independently supported, either may be removed without disturbing the other and since a wide open space is left between the two an unobstructed passage is left for the insertion of a cleaning instrument.

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

1. A device of the class described, comprising superposed trays one of perforate and the other of imperforate material disposed to have a wide open space therebetween.

2. A device of the class described comprising vertical base strips brackets supported on said strips, an imperforate receptacle on the lower of said brackets, and a reticulate receptacle on the upper of said brackets, said receptacles having a wide open space therebetween.

3. A device of the class described, comprising supporting base members, superposed

brackets on each of said base members, retaining hooks or fingers on the upper of said brackets, an imperforate sheet metal receptacle on said lower brackets, and a reticulate
5 receptacle on said upper brackets.

4. A device of the class described, comprising supporting base members, approximately U-shaped brackets supported on said base members one above the other, with a
10 wide open space between said brackets, retaining hooks on the outer ends of the upper brackets, a receptacle of imperforate material mounted on said lower brackets and secured thereto, and an oblong open frame
15 having a reticulate bottom portion mounted on said upper brackets and secured by said hooks of the upper brackets, and a wide back plate carried by said open frame and secured to said base members, and seating on the in-
20 ner ends of the upper brackets.

5. A tray attachment for blackboards consisting of a trap of foraminous material having a frame formed of a front member and

end members each of strip-like form, a wide back plate to abut the blackboard and protect the latter, said end members being connected to the lower portions of the back plate, means to secure the back plate to the blackboard, and a receptacle of imperforate material secured to the blackboard below
30 said tray so as to leave a wide open space between the two, said receptacle being removable independent of the tray from the blackboard.

6. An attachment for blackboards consisting of a perforate and an imperforate tray disposed in superposed relation so as to have a wide open space therebetween, and means for attaching each tray independently to the blackboard, so that the imperforate tray
40 may be removed without disturbing the perforate tray.

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