Aug. 18, 1953 E. N. DARLING 2,648,863

BLACKBOARD ERASER

Filed Oct. 13, 1950

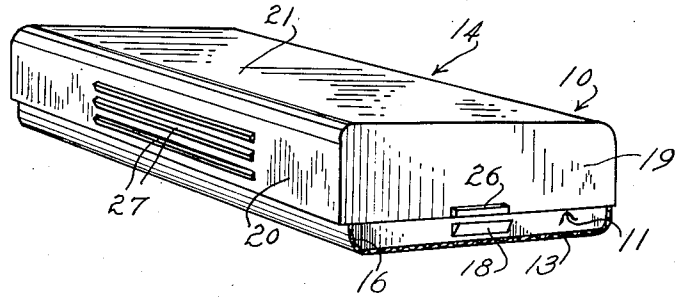
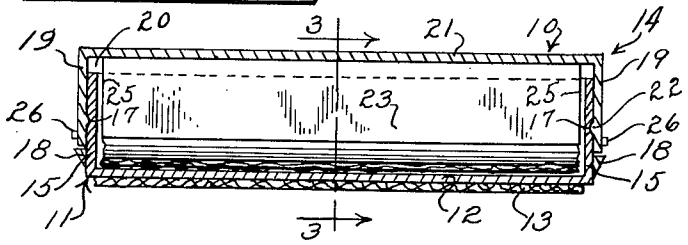


Fig. 1

Fig. 2



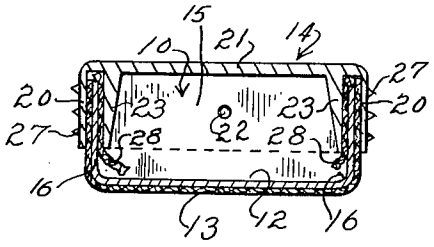


Fig. 3

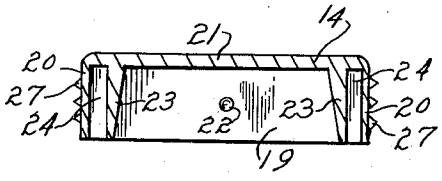


Fig. 4

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BLACKBOARD ERASER

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2 Claims. (Cl. 15—231)

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This invention relates to a blackboard eraser and the like and it consists in the constructions, arrangements and combinations herein described and claimed.

It is the cardinal object of the invention to provide a novel construction of pad gripping and holding device embodying but two parts, which are separable for placement or removal of a cleaning pad.

More specifically, it is an object of the invention to provide a hollow body member having side walls and a base member which function as a support for a pad element, a hollow gripping means being provided having spaced gripping jaws adapted to straddle the side walls of the body member and portions of a pad which are disposed upon the side walls of the body member so as to firmly retain the pad in smooth position upon the base of the body member.

It is a still further object of the invention to provide a pad holder in which the parts thereof may be readily molded from plastic or other light weight materials and which will be economical to manufacture.

Additional objects, advantages and features of invention will be apparent from the following description, considered in conjunction with the accompanying drawing, wherein,

Figure 1 is a perspective view of the pad holder,

Figure 2 is a longitudinal sectional view thereof,

Figure 3 is a cross section on the line 3—3 of Figure 2, and

Figure 4 is a transverse cross section of the pad gripping means, detached from the main body of the device.

While the following description will be directed to a blackboard eraser, the device is not limited to such use, since obviously the device can be used for holding cleaning pads of a polishing type, or a sheet of abrasive cloth or paper.

Attention is now invited to Figures 2 and 3 of the drawing, wherein a pad holding device 10 is shown comprising a hollow base member 11 upon the bottom wall 12 of which a cleaning pad or cloth 13 is positioned, the pad being of a size to extend upon and over the edges of the side walls of the base member, the pad being secured in position by means of a gripping member 14. The pad or cloth 13 may be chemically treated to more effectively clean a wall surface.

As clearly shown in Figures 2 and 3, the base member 11 is of rectangular form and may be formed from a plastic or other light weight materials. End walls 15 and side walls 16 are integral with the bottom wall 12 and preferably the

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juncture between the side walls and the bottom wall are slightly rounded so that the pad 13 will be snugly fitted therearound. Each of the end walls 15 are formed with a recess 17 upon their outer faces, and below the recesses, the walls are formed with a projection 18.

The gripping member is likewise of rectangular formation having respective end walls 19, side walls 20 and a top wall 21. The inside dimensions between the end and side walls is such as to slidably receive the side and end walls of the base member 11 therebetween, and in order to releasably hold the base and gripping member together the end walls 19 are each provided with a nodule 22 so positioned as to seat in respective recesses 17 of the base member 11.

Inwardly of each of the side walls 20 of the gripping member 14 there is a wall 23 spaced from the walls 20 forming a passage 24 for a purpose as will presently appear. Each of the walls 23 terminate inwardly of the end walls 19 as at 25 to permit passage of the walls 15 of the base member 11 (see Figure 2). The end walls 19 are each formed with a projection 26 arranged above the projection 18 of the base member 11 when the gripping member 14 is in position thereon, these ribs being employed when separating the gripping member from the base member.

The side walls 20 of the gripping member are formed with a plurality of ribs 27 enabling a ready manipulation of the device over a surface.

In order to install a pad or cloth 13, the gripping member being separated from the base member, the pad which is of rectangular shape is laid upon the bottom wall 12 of the base, the longitudinal end portions 28 are brought into contacting engagement with the outer faces of the walls 16 of the base and then presented upon the inner faces of the walls 16. The gripping member 14 is then brought into position on the base 11 with the passages 24 directly aligned with the side walls 16 and portions of the pad. The gripping device is given a downward pressure until the nodules 22 snap into the recesses 17. The walls 23 cooperate with the walls 16 and 20 to securely hold the pad 13 in snug flat position upon the bottom wall 12 of the base. The gripping member 14 may be readily separated from the base 11 by exerting opposed pressure between the projections 18 and 26 so as to disengage the nodules 22 from the recesses 17.

The ribs 27 provide a means for readily gripping the device so that the pad may be effectively moved across a surface to be cleaned.

While I have shown and described a preferred

form of the device, this is by way of illustration only, and I consider as my own, all such modifications in construction as fairly fall within the scope of the appended claims.

I claim:

1. A pad holding and gripping device comprising a base member having upwardly disposed vertical side and end walls and a bottom wall, a pad member positioned on the bottom wall and extended up and over the side walls to position the terminal ends of the pad upon the inner face of respective side walls, and a gripping member having a top wall, vertical end walls and side walls of such dimensions as to encompass the side and end walls of the base member and portions of the pad, and said gripping member further having a vertical wall spaced with respect to respective side walls thereof adapted to bindingly engage portions of the pad positioned on the inner faces of the side walls of the base member, said spaced wall being of a length less than the adjacent side walls of the gripping member.

2. A pad holding and gripping device comprising a base member having vertical side and end walls and a bottom wall, a pad member positioned on the bottom wall and extended up and over

the side walls to position the terminal ends of the pad member upon the inner face of respective side walls, a gripping member having a top wall, vertical end walls and side walls of such dimensions as to encompass the side and end walls of the base member and said gripping member further having a vertical wall spaced with respect to respective side walls thereof adapted to bindingly engage portions of the pad positioned on the inner faces of the side walls of the base member, said spaced wall being of a length less than the adjacent side walls of the gripping member, separable means on the end walls of said base and gripping member for maintaining the parts in assembled relation, and said gripping member having longitudinal ribs on the outer faces of the side walls thereof.

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