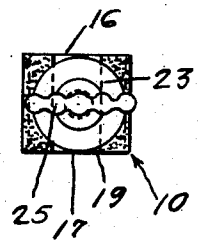
Dec. 16, 1958 F. W. RINGER 2,864,208

ALUMINUM BLOCK SANDPAPER HOLDER

Filed April 15, 1957

Fig. 1.



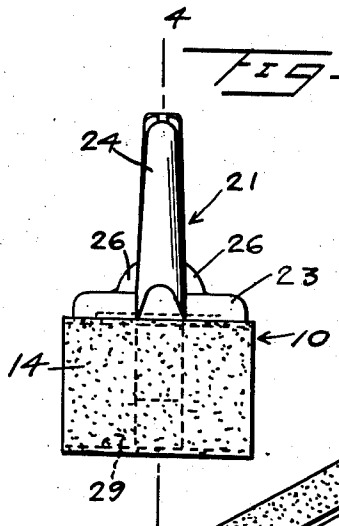


Fig. 3.

Fig. 4.

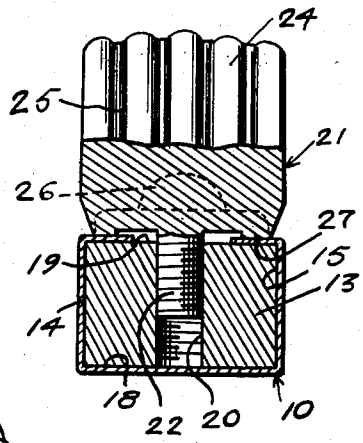


Fig. 6.

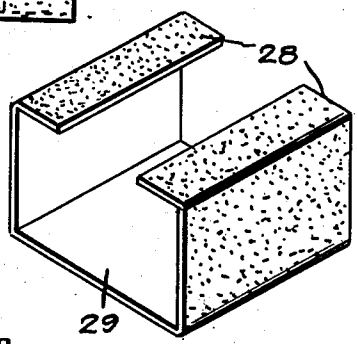
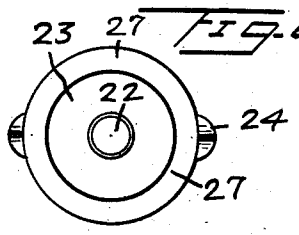


Fig. 5.



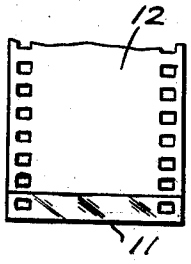


Fig. 2.

INVENTOR

F. W. Ringer

BY Kimmel & Crowell

ATTORNEYS

United States Patent Office 2,864,208 Patented Dec. 16, 1958

2,864,208

ALUMINUM BLOCK SANDPAPER HOLDER

Floyd Wilbur Ringer, Salina, Kans.

Application April 15, 1957, Serial No. 652,918

1 Claim. (Cl. 51—187)

The present invention relates to aluminum block sandpaper holders, and more particularly to such devices used in the preparation of film for splicing.

The primary object of the invention is to provide an aluminum block sandpaper holder which, being non-magnetic, will be free from the magnetic particles removed from film having magnetically recorded sound carried thereon.

A further object of the invention is to provide an aluminum block sandpaper holder having a size somewhat smaller than the width of 35 mm. film for convenience in using, storing, and seeing the end of the film as the sanding operation is conducted.

A further object of the invention is to provide an aluminum block sandpaper holder which is adapted to hold a plurality of sandpaper sheets for successive use, and which is inexpensive to manufacture, simple to use, and completely effective in accomplishing the above objects.

Other objects and advantages will become apparent in the following specification when considered in the light of the attached drawings, in which:

Figure 1 is a top plan view of the invention.

Figure 2 is a fragmentary plan view of a strip of 35 mm. film from which the emulsion has been removed by the invention.

Figure 3 is an enlarged side elevation of the invention.

Figure 4 is a vertical cross-section taken substantially along the line 4—4 of Figure 3, looking in the direction of the arrows.

Figure 5 is a bottom plan view of the thumb screw portion of the invention.

Figure 6 is a perspective view of one of the sandpaper sheets shown folded into position for attachment to the invention.

Referring now to the drawings in detail wherein like reference characters indicate like parts throughout the several figures, the reference numeral 10 indicates generally an aluminum block sandpaper holder constructed in accordance with the invention.

In the splicing of motion picture film strips, the production of a strong joint is absolutely necessary if the film is to serve without future failure. Satisfactory splices demand careful scraping with complete removal of the emulsion and binder coatings from the film base. On some types of color film, the coatings are on both sides of the film so that scraping of both surfaces to be joined is required. In all cases, the surfaces to be joined must be thoroughly cleaned, hence, if the back surface contains only a slight film of oil some difficulty may be encountered in obtaining successful splices.

Sometimes this factor is overlooked and poor splices are mistakenly attributed to the particular cement used, the splicing equipment, or to the film base itself. If the film base is roughened on both the back surface and front surface following the removal of the emulsion and binder, the adhesive qualities of the cement used will be materially improved and the finished joint will have exceptional strength.

In the instant invention, the aluminum sanding block 10 is utilized to remove the emulsion and binder from the area 11 of a film strip 12 across one end thereof so as to prepare the film strip 12 for the splicing action.

The aluminum block sandpaper holder 10 comprises a generally rectangular block 13 having spaced parallel side walls 14, 15, spaced parallel end walls 16, 17, a bottom wall 18, and a top wall 19. A threaded bore 20 extends through the center of the top wall 19 downwardly through the bottom wall 18, as best seen in Figure 4.

A thumb screw, generally indicated at 21, includes a threaded shank 22 adapted for threaded engagement in the threaded bore 20. A disc 23 is integrally formed on the upper end of the threaded shank 22 in axial alignment therewith and extending perpendicularly thereto. A transverse handle 24 extends upwardly from the disc 23, as best seen in Figure 3, and has the opposite side surfaces thereof roughened as at 25 to provide a secure finger grip. The opposite sides of the handle 24 are provided with reinforcing blocks 26 which extend to the disc 23 to assist in securing the handle 24 thereto.

The lower face of the disc 23 is provided with a downwardly offset annular flange 27 to form one jaw with the top surface 19 of the block 13 forming the other jaw between which is clamped the opposite ends 28 of a strip of sandpaper 29.

A plurality of sandpaper strips 29 may be superposed and clamped between the flange 27 and block 13, simultaneously and successively torn loose as they become worn.

Having thus described the preferred embodiment of the invention, it should be understood that numerous structural modifications and adaptations may be resorted to without departing from the scope of the appended claim.

What is claimed is:

An aluminum block sandpaper holder comprising a rectangular body having spaced parallel side walls, spaced parallel end walls arranged perpendicularly to said side walls, a top wall, and a bottom wall arranged in spaced parallel relation to said top wall with said top and bottom walls perpendicular to said side and end walls, said body having a threaded bore extending centrally through said top wall, said body and centrally through said bottom wall, a thumb screw including an elongated threaded shank detachably engaged in said threaded bore, a disc integrally mounted axially on one end of said threaded shank and extending perpendicularly thereto, a handle integrally carried by said disc and extending therefrom oppositely from said threaded shank, and an integral annular flange depending from said disc adjacent the peripheral edge thereof oppositely of said handle, said flange and the top wall of said body cooperating to clamp therebetween the opposite ends of a sandpaper strip wrapped around said body.

References Cited in the file of this patent

UNITED STATES PATENTS

1,520,642	Giroux	Dec. 23, 1924
1,722,183	Thomas	July 23, 1929
2,036,107	Thomas	Mar. 31, 1936
2,417,680	Decker	Mar. 18, 1947