

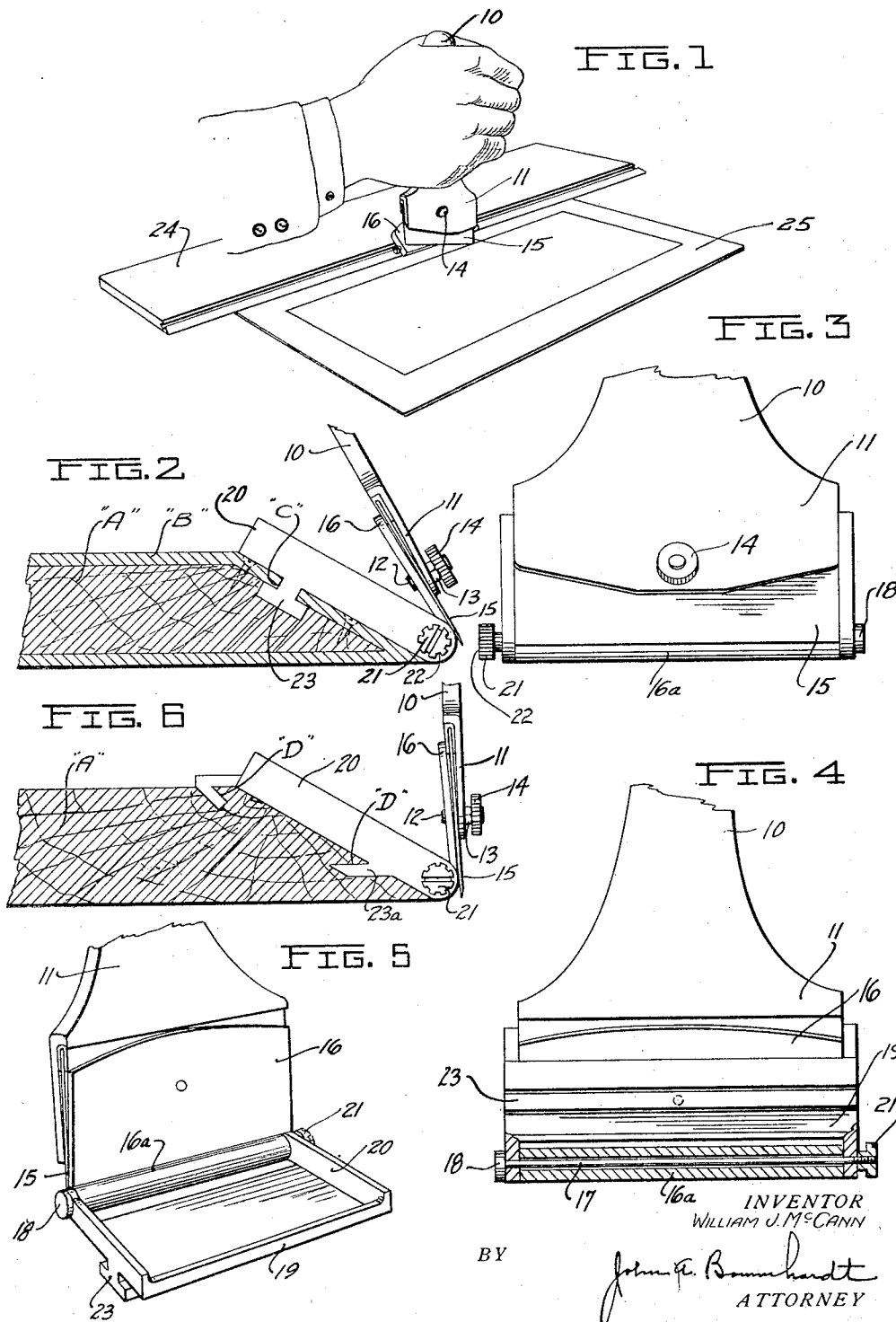
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COMBINATION MAT CUTTER AND BEVELER

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UNITED STATES PATENT OFFICE

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COMBINATION MAT CUTTER AND BEVELER

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This invention relates to a beveling tool for cutting a beveled edge or straight edge on mounting boards, mats and the like.

One object being to provide a smooth and even cut either on a beveled edge or straight edge.

Another object being to provide a setting screw and guide which permits an accurate setting of the cutting blade at any desired angle.

Further advantages may be noted from the following description and accompanying drawing, in which:

Figure 1 is a perspective view of the cutting and beveling tool in operation; Fig. 2 is a sectional view of the guide with the cutting and beveling tool in elevation and set at a 60 degree angle; Fig. 3 is a front elevation; Fig. 4 is a rear elevation partly in section; Fig. 5 is a perspective view of the rear; Fig. 6 is a modification of the manner in which the cutting and beveling tool is slidably mounted upon the guide.

Referring specifically to the drawing, the cutter and beveler consists of a handle 10 with a shoulder which connects with a flat flange or plate 11 at its lower end, a pivot pin 12 with a lock washer 13, screw head 14 and a flat cutting blade 15 held or locked between the flat flange 11 of the handle 10 and a hinge plate 16, the lower end of which forms a tube 16a through which the pin 17 extends. The pin 17 has a head 18 at one end and is threaded at the other end.

An adjusting screw nut 21 with notches 22 for setting the degree of angle is screwed on the threaded end of the pin 17 and locks the cutter and beveler at the angle desired by screwing the nut against the side wall 20 of the guide bed 19.

The underside of the guide bed 19 may be so constructed as to form a T 23 as shown in Fig. 2, or a modified form 23a as shown in Fig. 6, or any similar form may be used, the guide 24 may be constructed of a wood or metal core A with a metal binding B and groove C as shown in Fig. 2, or it may be constructed entirely of wood with a groove D as shown in Fig. 6. The grooves are cut in the manner shown to facilitate the slid-

ing of the cutter and beveler bed in the guide.

By pivoting the handle 10 on the pin 12 to the desired position on the mat board 25 and tightening the screw head 21, a clear accurate cut or bevel may be attained by drawing the cutter and beveler along the groove in the guide the distance required to make the cut or bevel.

Either an inside or outside cut or bevel may be made.

It is to be understood that I do not limit myself to the exact design and arrangement of the parts shown in the accompanying drawing and described above, for it is evident that I may make various changes without exceeding the scope of the appended claims.

I claim:

1. A combination mat cutter and beveler comprising a guide strip provided with a beveled edge, a bed having a sliding engagement with said edge and movable along the same, a blade holder and handle hinged to the lower edge of the bed, a blade and means to clamp the blade in the holder with its edge projecting beyond the same, and below the guide, said means comprising a pivot at a right angle to the axis of the hinge, permitting the handle and blade to be tilted to apply the corner of the blade to the mat.

2. The combination stated in claim 1, said clamping means and said pivot comprising a screw connecting the blade holder to the hinge.

In testimony whereof, I do affix my signature.

WILLIAM J. McCANN.