

July 9, 1935.

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2,007,396

EDGING TOOL

Filed May 5, 1934

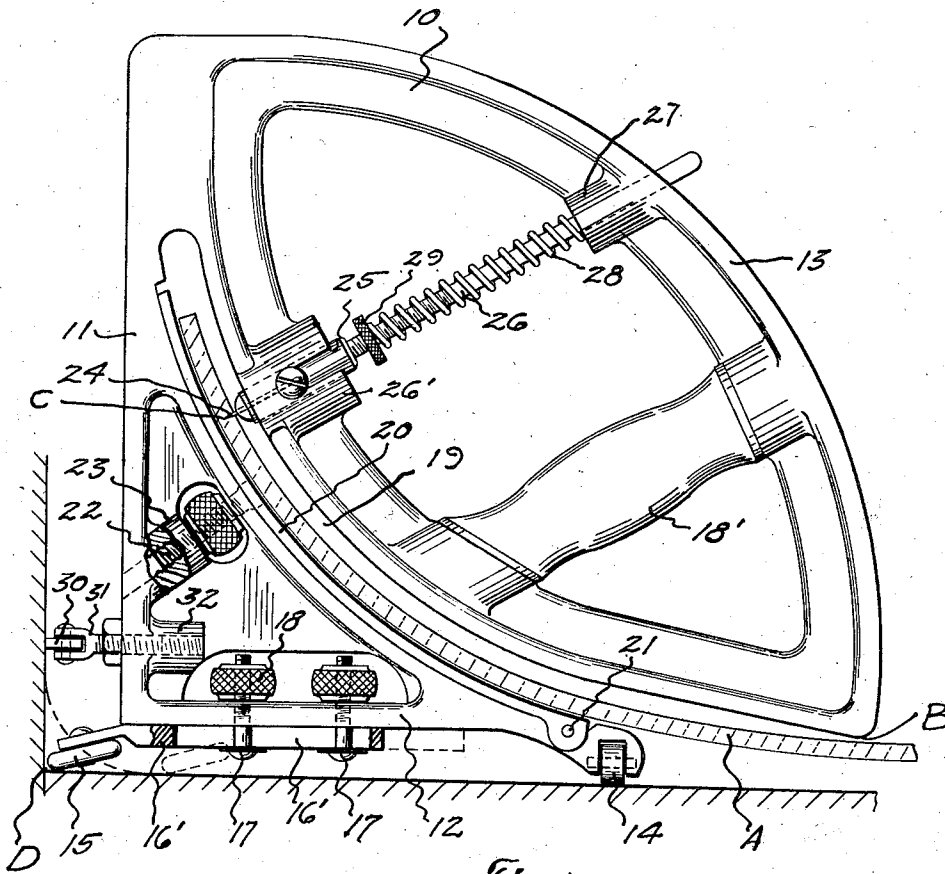


Fig. 1

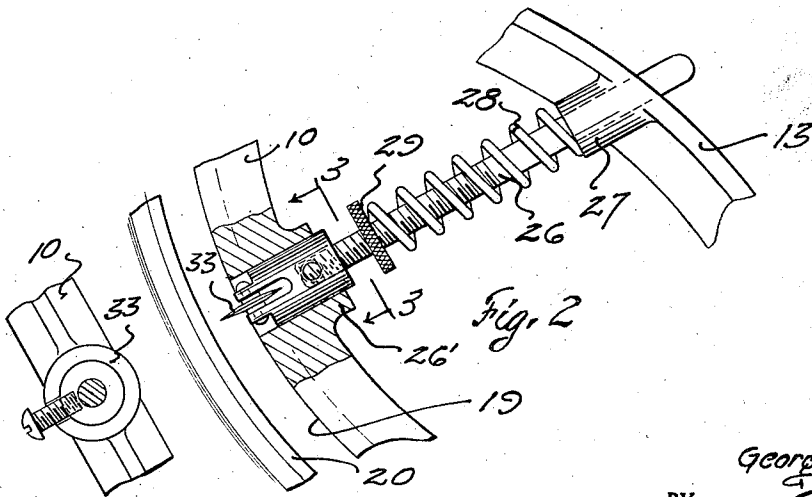


Fig. 2

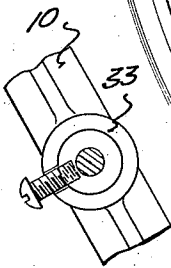


Fig. 3

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2,007,396

EDGING TOOL

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Application May 5, 1934, Serial No. 724,095

7 Claims. (Cl. 164—73)

This invention relates to new and useful improvements in edging tools.

One object of the invention is to provide an improved edging tool for marking or scribing linoleum, or other similar floor covering, so that when the linoleum is cut along said marking it will fit snugly along the wall of the room.

Another object of the invention is to provide an improved edging tool which includes a curved slot which receives the linoleum to be cut, said tool having a stylus engaging the linoleum in the slot, said slot being of such length that when the tool is moved along the wall of the room, the stylus will mark the linoleum, whereby when the linoleum is cut on the marking, it will snugly fit against the wall of the room.

An important object of the invention is to provide an improved edging tool for cutting linoleum and the like, in such a way that said linoleum will fit snugly against the wall of the room wherein it is laid.

A further object of the invention is to provide an improved edging tool for marking or scribing linoleum or the like, which has adjustable guide means for engaging the wall of the room to guide said tool during the marking operation.

Still another object of the invention is to provide an improved edging tool for marking or scribing linoleum, or other similar material which includes a slot which receives the linoleum to be cut, the slot being adjustable in width so as to receive linoleum, of various thicknesses.

A construction designed to carry out the invention will be hereinafter described, together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawing, in which an example of the invention is shown, and wherein:

Figure 1 is a side elevation of an edging tool, constructed in accordance with the invention.

Figure 2 is an enlarged sectional view, showing a cutting disk substituted for the stylus.

Figure 3 is a transverse sectional view, taken on line 3—3 of Figure 2.

In the drawing, the numeral 10 designates a frame member which forms the main supporting element of the tool. The frame includes a vertical side 11 and a horizontal base 12. The rear of the frame is formed of an arc 13 which is preferably made integral with and curves downwardly from the vertical side 11. A roller 14 is mounted in the base 12 and serves to support the

rear of the frame. A suitable guide roller 15 is carried by a horizontal bar 16 which is mounted at the forward end of the base. The bar 16 is provided with an elongated slot 16'. Bolts 17 pass through the slot and through the base 12 and receive thumb nuts 18 on their upper ends. It is obvious that by loosening the nuts 18, the bar 16 and the roller 15 carried thereby may be adjusted with relation to the frame. It is pointed out that the entire frame is carried by the rollers 14 and 15. A suitable handle 19' is provided in the frame 10.

A curved slot 19 extends from the lower end of the rear side of the frame, and is curved upwardly terminating at the forward end of the frame near the upper end thereof. The bottom of the slot is formed of a curved swinging member 20 which is pivoted at its lower end at 21. An adjusting screw 22 threaded in a boss 23 on the frame has its upper end journaled in the swinging member 20 whereby rotation of the screw will swing said member. It is obvious that by adjusting the screw 22 the width of the slot may be controlled.

A stylus 24 is mounted in the frame and has its pointed end extending into the slot 19. The stylus is adjustably mounted in a bearing 25 which is slidable through a boss 26' in the frame. The bearing 25 has a rod 26 integral therewith and the outer end of said rod extends through a boss 27 on the arc 13 of the frame. A spring 28 surrounds the rod and it is confined between the boss 27 and an adjusting nut 29 which is threaded on the rod 26. It is obvious that the spring serves to hold the stylus well within the slot, the tension of said spring being varied by the adjusting nut 29.

In laying linoleum A or other floor covering its has been found that it is difficult to cut the linoleum A along a line so that said linoleum will fit snugly in the corner formed by the intersection of the floor with the wall. By providing the above described tool such correct marking is readily obtained. In using the tool the linoleum A is cut to within an inch or two of the point where it must actually be cut to fit the floor perfectly. This cut end is then inserted into the slot curving upwardly therein as shown in Figure 1. The guide roller 15 is then positioned so as to ride in the corner formed by the intersection of the floor and wall. When the tool is in this position the distance from the lower rear end B of the frame 10 to the point C where the stylus engages the linoleum within the slot 19 is the same as the distance from the point B to

the corner D formed by the intersection of the wall and the floor. Thus by moving the tool along the wall keeping the guide roller 15 at the point D the stylus will mark the linoleum along the exact point where it is to be cut. If it is desired to loosely fit the linoleum the guide roller 15 may be moved forwardly of the frame by loosening the nuts 18 and moving the bar 16 forwardly. If the intersection between the wall and the floor is curved, as it is in some cases and as shown in dotted lines in Figure 1, the guide roller 15 may be retracted at the dotted line shown in Figure 1, and the tool may be guided by a small roller 30 which is carried by an adjustable bracket 31 which is threaded in a boss 32 in the lower forward end of the frame. The roller 30 engages the wall of the room above the corner D, and it is clear that said roller will serve as a suitable guide.

From the above it is obvious that the stylus will mark the linoleum on the line where it is to be cut but it is possible to substitute a cutting disk 33 for said stylus as shown in Figure 2. Thus when the tool is moved along the wall the disk would cut the linoleum along the desired or correct line. This would obviate the necessity of cutting the linoleum by hand after it had been marked.

The advantages of the tool are obvious. It is only necessary to insert the linoleum in the slot 19 and draw the tool along the wall of the room. By adjusting the tension of the spring 28 the depth of the marking is readily controlled. As the tension on the spring becomes weaker the adjusting nut 29 may be tightened. The adjusting of the guide roller 15 provides for variation of the line of marking and the adjustability of the width of the slot 19 provides for accommodating linoleum of various thicknesses. The tool is simple and compact in construction and manufacturing costs are held to a minimum. The stylus 24 is the only part which receives any amount of wear and this is readily replaced and adjusted.

What I claim and desire to secure by Letters Patent is:

1. An edging tool for marking floor covering comprising, an upright frame having an upwardly curved narrow slot therein for receiving the edge portion of the covering, a rigid stylus support on the frame, and a movable self-feeding stylus carried by said rigid support and projecting transversely into said slot.

2. An edging tool for marking floor covering comprising, an upright frame having an upwardly curved narrow slot therein for receiving the edge portion of the covering, a rigid stylus support on the frame, a spring pressed plunger mounted in the rigid support, and a stylus carried by the plunger and extending into the slot for marking the floor covering.

3. An edging tool for marking floor covering

comprising, an upright frame, an upwardly curved slot in the frame having rigid walls, a supporting roller at the inner corner of the frame, a supporting roller at the bottom of the slot, the frame projecting a substantial distance beyond and overhanging said last named roller and being free from support upon the floor covering, and a stylus carried by the frame and projecting into the slot.

4. An edging tool for marking floor covering comprising, an upright frame having an upwardly curved narrow slot therein for receiving the edge portion of the covering, an arcuate member seated in the lower side of the slot and pivoted at one end thereof, means mounted on the frame for adjusting said arcuate pivoted member for supporting the edge portion of the floor covering, and a self-feeding stylus carried by the frame and projecting transversely into the slot thereof.

5. An edging tool for marking floor covering comprising, an upright frame having a general triangular shape and provided with an upwardly curved narrow slot for receiving the edge portion of the floor covering, the frame having an enlarged opening, a handle rigidly mounted in the frame and extending across said opening, rollers for supporting the frame, one of said rollers being located directly below the handle, and a stylus carried by the frame and projecting into the slot.

6. An edging tool for marking floor covering comprising, an upright rigid frame having an upwardly curved narrow slot therein for receiving the edge portion of the floor covering, said frame having a general triangular shape, a supporting member slidably mounted on the bottom of the frame, means carried by the frame for fastening said member in adjusted positions, a guide roller carried by said member for engaging in the intersection between a floor and a wall, and a stylus carried by the frame and extending into the slot.

7. An edging tool for marking and cutting floor covering comprising, an upright rigid frame having a general triangular shape and provided with an enlarged opening, a rigid handle extending across the opening of the frame, said frame having an upwardly curved narrow slot therein for receiving the edge portion of the floor covering, a spring pressed plunger mounted in the frame and having a head exposed to the slot for carrying a tool for marking or cutting the floor covering, an adjustable supporting member mounted in the slot and conforming to the contour thereof, a guide roller mounted on the upright side of the frame for engaging a wall, a guide roller adjustably mounted at the intersection of the upright and bottom sides of the frame for engaging in the intersection of a floor and a wall, and a supporting roller on the bottom of the frame below the handle.

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