

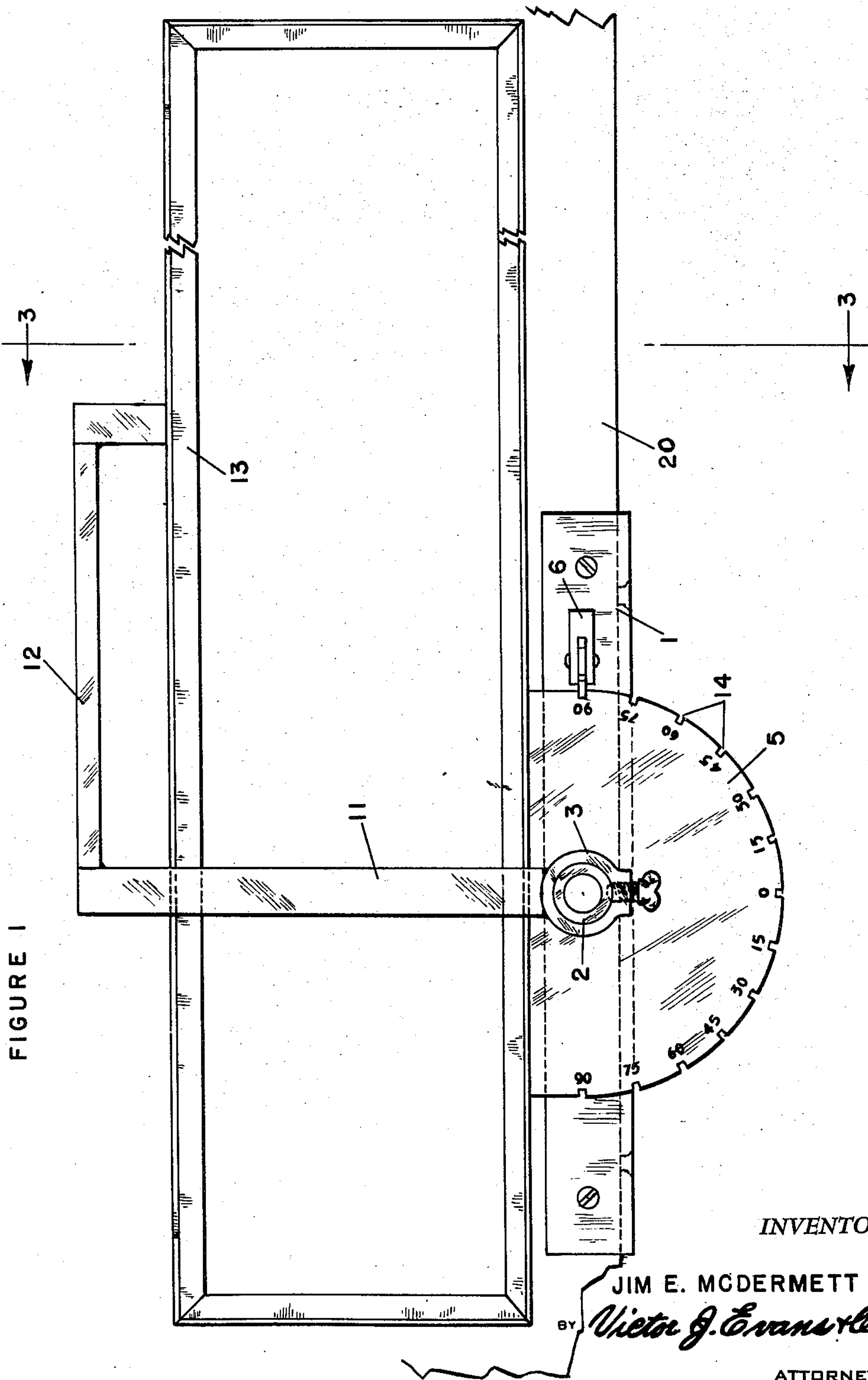
Oct. 31, 1950

Filed June 3, 1946

J. E. McDERMETT  
DEVICE WITH HORIZONTALLY SWINGABLE  
TRACKWAY TO GUIDE ELECTRIC SAWS

2,527,754

3 Sheets-Sheet 1



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3 Sheets-Sheet 2

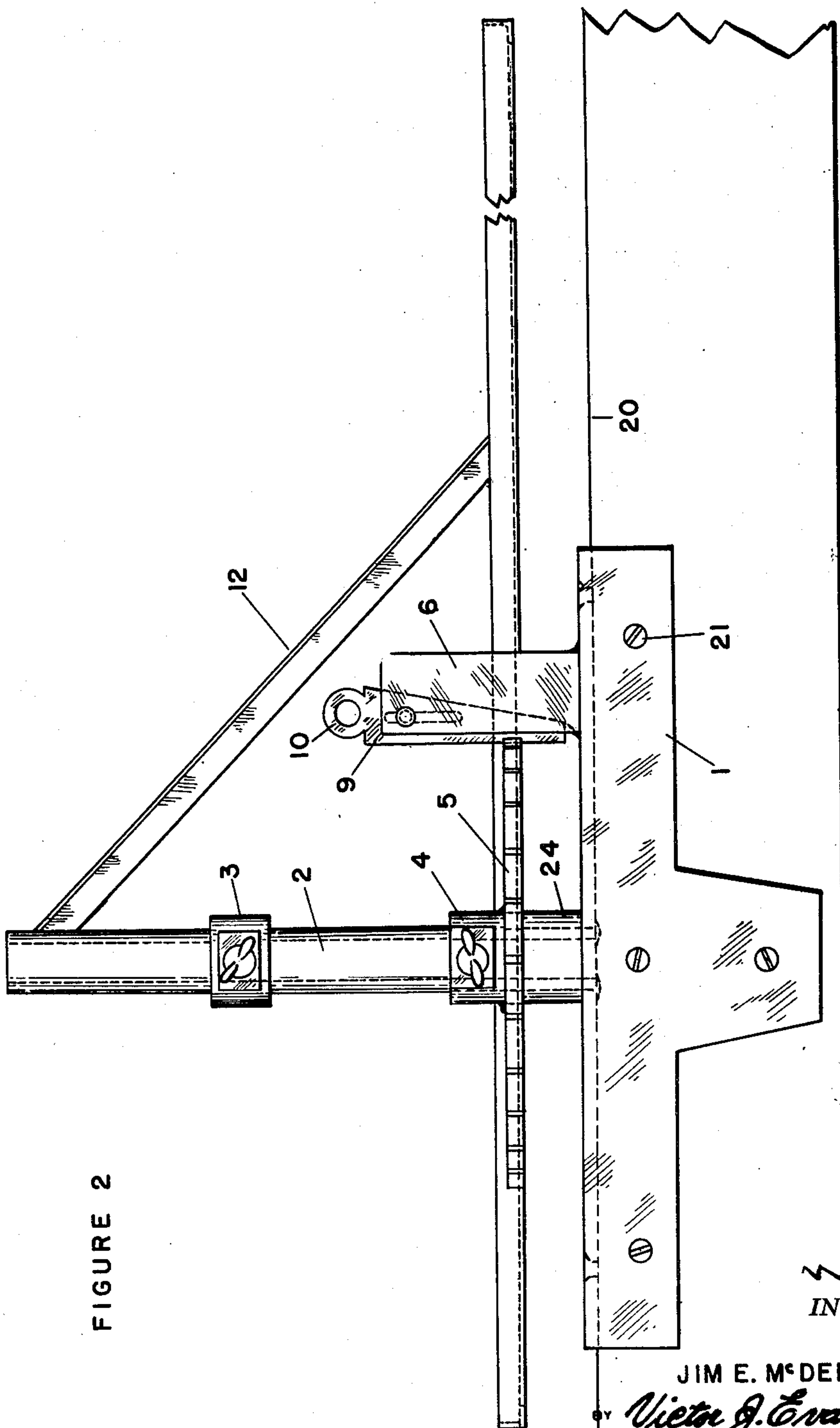


FIGURE 2

INVENTOR.

JIM E. McDERMETT

By *Victor J. Evans & Co.*

ATTORNEYS

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FIGURE 3.

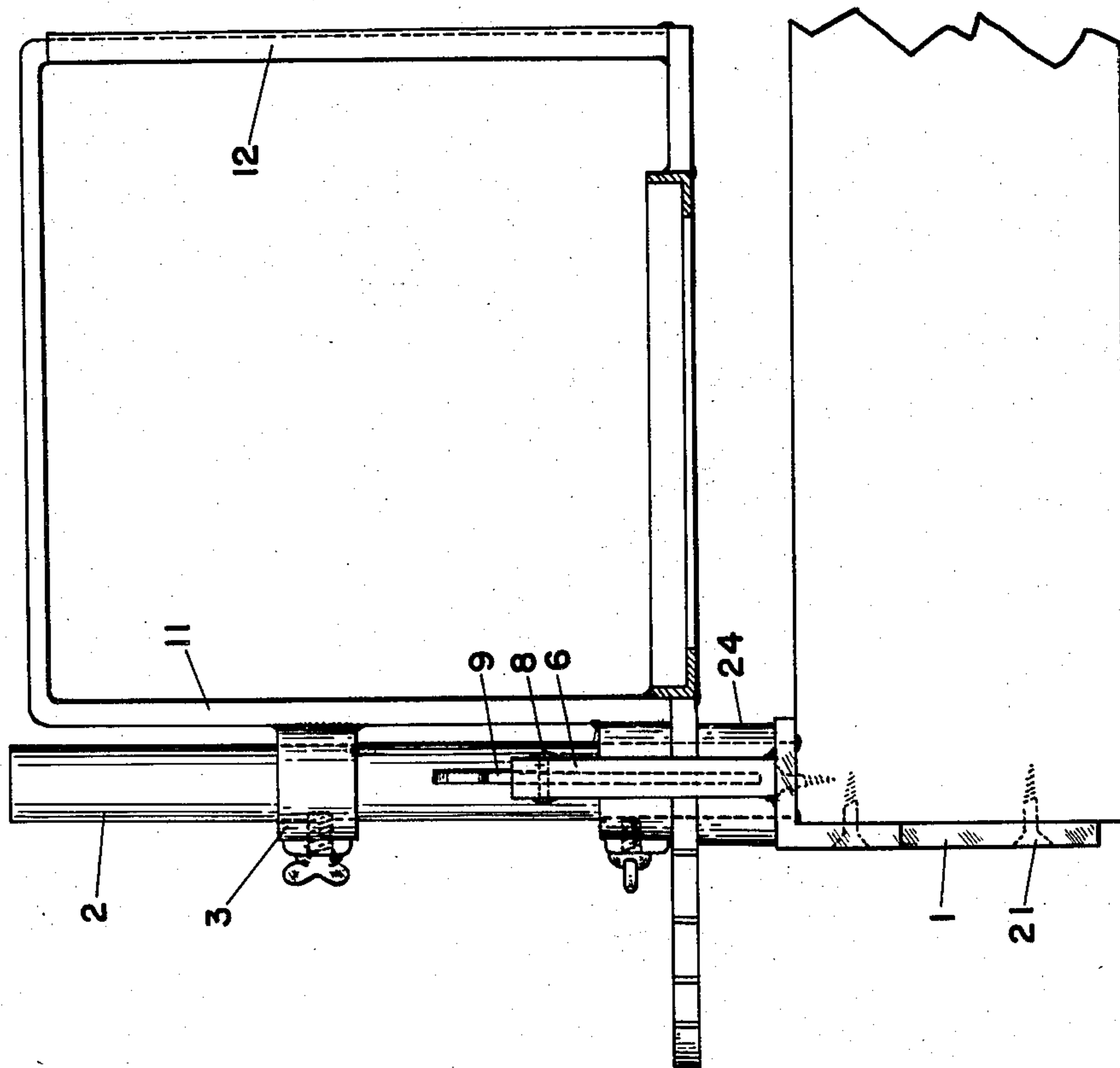


FIGURE 5

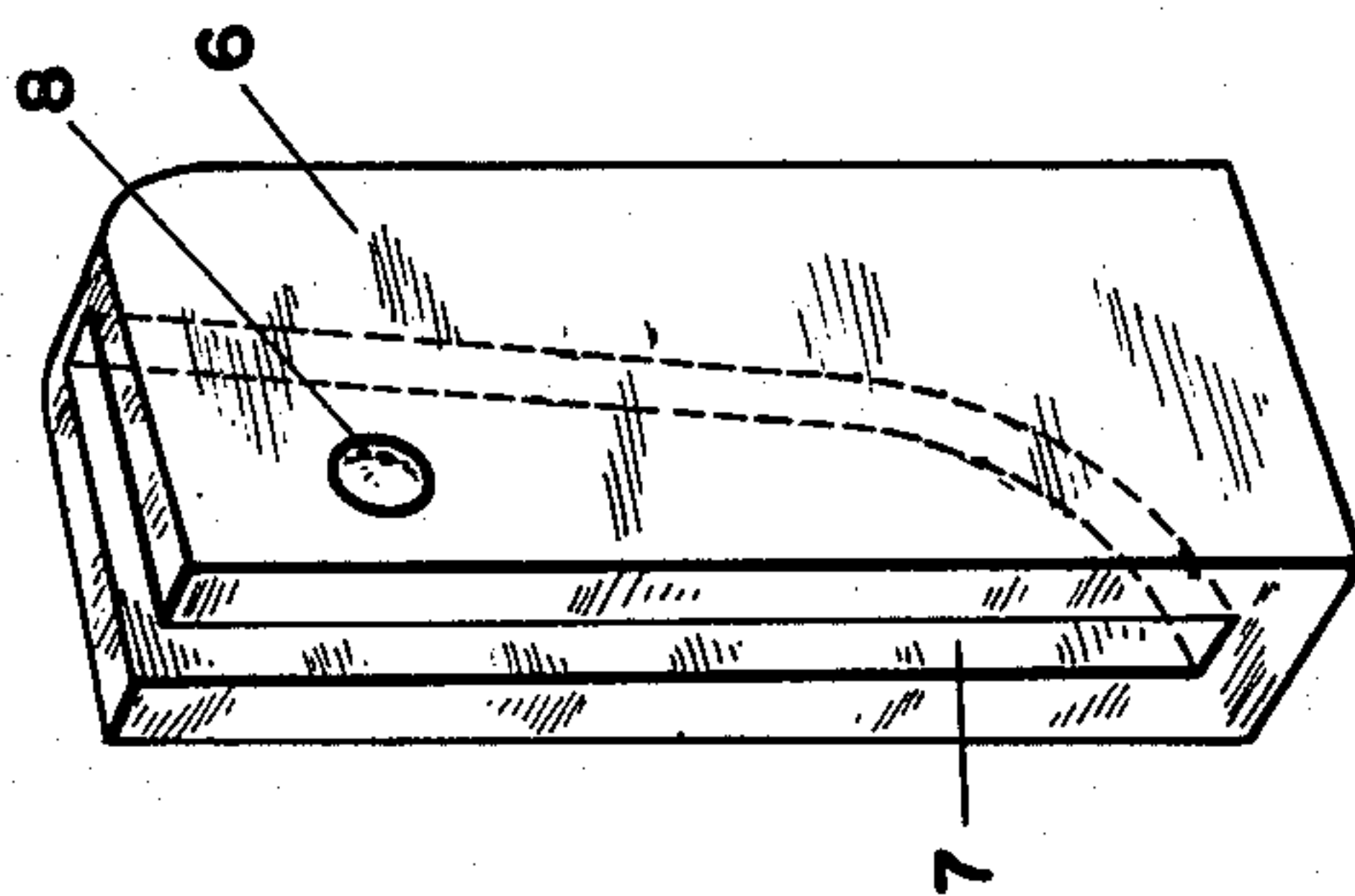
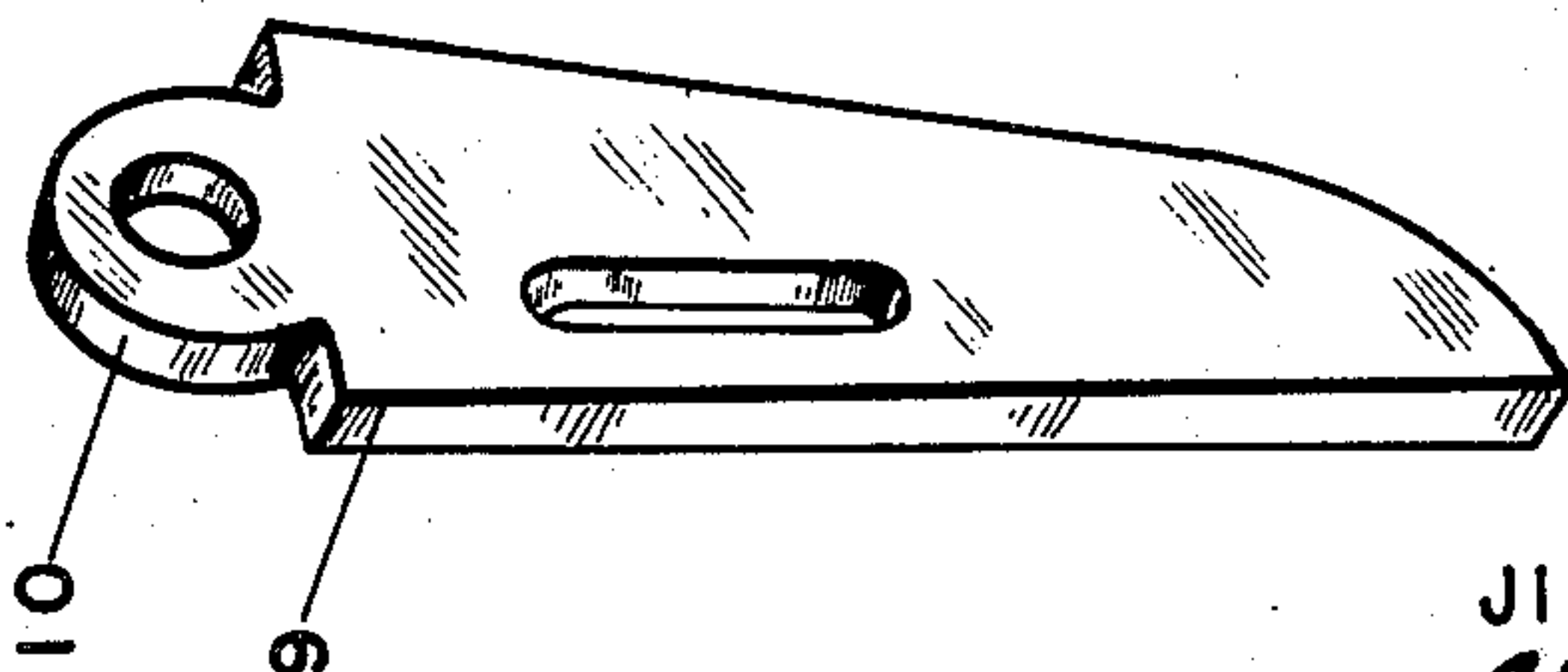


FIGURE 4



INVENTOR.

JIM E McDERMETT

BY *Victor J. Evans & Co.*

ATTORNEYS



## UNITED STATES PATENT OFFICE

2,527,754

DEVICE WITH HORIZONTALLY SWINGABLE  
TRACKWAY TO GUIDE ELECTRIC SAWS

Jim E. McDermett, Dallas, Tex.

Application June 3, 1946, Serial No. 674,143

1 Claim. (Cl. 143—6)

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This invention relates to cutting tools, and more particularly to improvements in electric saws.

It is an object of the invention to provide a construction to enable any workman, skilled or unskilled, to use electric saws in all kinds of construction at a great saving in labor costs, with a minimum of strain and danger.

A further object is to provide a construction in which a guide holds the weight of the tool, and controls the direction of cutting, and enables any one to make all cuts in building construction, except large timbers or circular work.

A further object is to provide a simple device, which can be conveniently set or taken down, easily carried from one job to another, and not requiring saws to be attached to it, thus leaving them free to be picked up by workmen and carried on to other parts of a building or used "free hand" by workmen.

These and other objects are attained by the novel construction and arrangement of parts hereinafter described and illustrated by the accompanying drawings, forming a part hereof, and in which:

Fig. 1 is a plan view of a construction embodying the invention.

Fig. 2 is a side elevational view of the device.

Fig. 3 is a sectional view taken on line 3—3 of Fig. 1.

Fig. 4 is a perspective view of a key used in the device.

Fig. 5 is a perspective view of a key holder.

Referring to the drawings, in Fig. 1, is shown a bracket 1, adapted to be attached to a work bench 20 by means of screw 21, or bolts, etc. Permanently attached to the bracket 1, by welding or other suitable means, is a tube 2, having slidably mounted thereon collars 3 and 4, which are held in adjusted positions by set screws. Welded to or otherwise secured to the collar 4 is a semi-circular disc 5 having a plurality of notches 14 spaced at equal angles about its periphery. The notches 14 are adapted to receive a key 9 having a handle 10, the key being positioned in a key holder 6 provided with a slot 7 to receive the key, and a hole 8 to receive a set screw to engage the key. The key holds the disc 5 in various angular positions of adjustment.

Welded to collars 3 and 4 is a frame 11, which carries the saw. The frame 11 is supported by a brace 12 which is secured to a carriage 13, formed of angle members and rectangular in form.

The disc 5 rests on a spacing washer 24, which is in the form of a short tube. A number of these tubes of different lengths are provided so that the disc, frame and other construction can be raised to different heights to provide different depths of cut by the saw.

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In operation, one vertical side of one of the side angles of carriage 13 is cut away slightly to accommodate part of a saw which is positioned on the carriage. For making various angular cuts, the collars 3 and 4 are loosened and the frame and carriage rotated about the pipe 2 to the proper angle, at which point the key 9 is inserted into one of the slots 14. The collars 3 and 4 are then tightened on the post 2 by the set screws. It will be seen that the device is simple in operation and can be quickly and conveniently adjusted to different angles and for different cuts.

When necessary the device can be quickly detached from the work bench by removing the screws or holding bolts, and carried to other localities. Also, the saws are not attached to the carriage 13, and consequently, can be removed at any time for use elsewhere.

The above description is to be considered as illustrative and not limitative of the invention, of which modifications can be made without departing from the spirit and scope of the invention as set forth in the appended claim.

The invention having been described, what is claimed is:

In a saw guide, a bracket adapted to be secured to a work bench, a vertically disposed tube having its lower end secured to said bracket, a pair of collars slidably arranged on said tube, a disc secured to the lowermost of said collars, means for maintaining said disc immobile in its various adjusted positions, a horizontally disposed rectangular trackway arranged adjacent to said tube and mounted for swinging movement with said collars about said tube, a frame secured to said collars, and a diagonal brace having one end connected to said frame and its other end connected to said trackway, said trackway adapted to support a power-driven saw for reciprocatory movement thereon, said diagonal brace being secured to said trackway at a point outside the path of said power-driven saw.

JIM E. McDERMETT.

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