

M. DORION.
WINDOW LOCKING DEVICE.
APPLICATION FILED JULY 20, 1918.

1,298,472.

Patented Mar. 25, 1919.

FIG 1

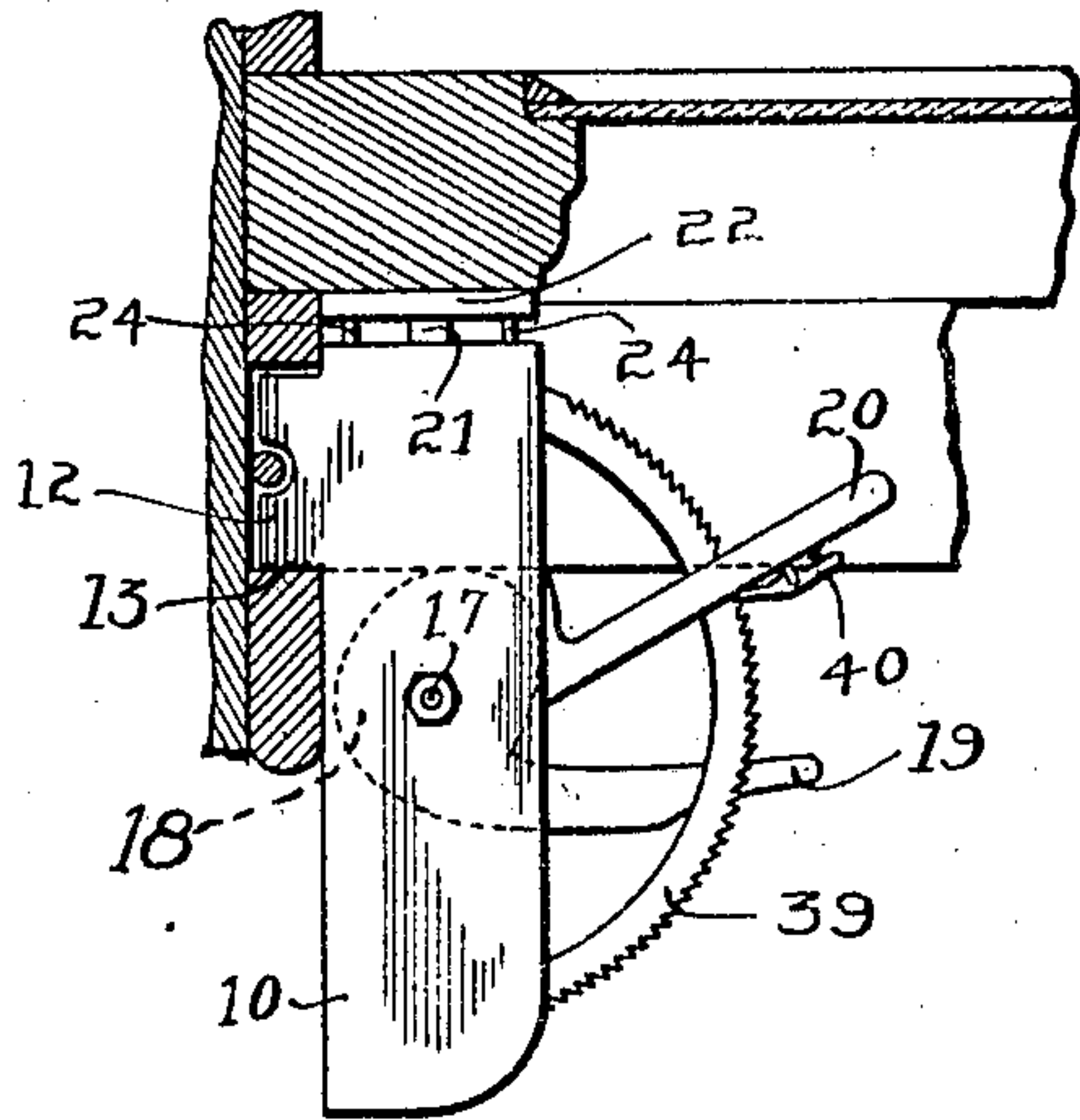


FIG. 2.

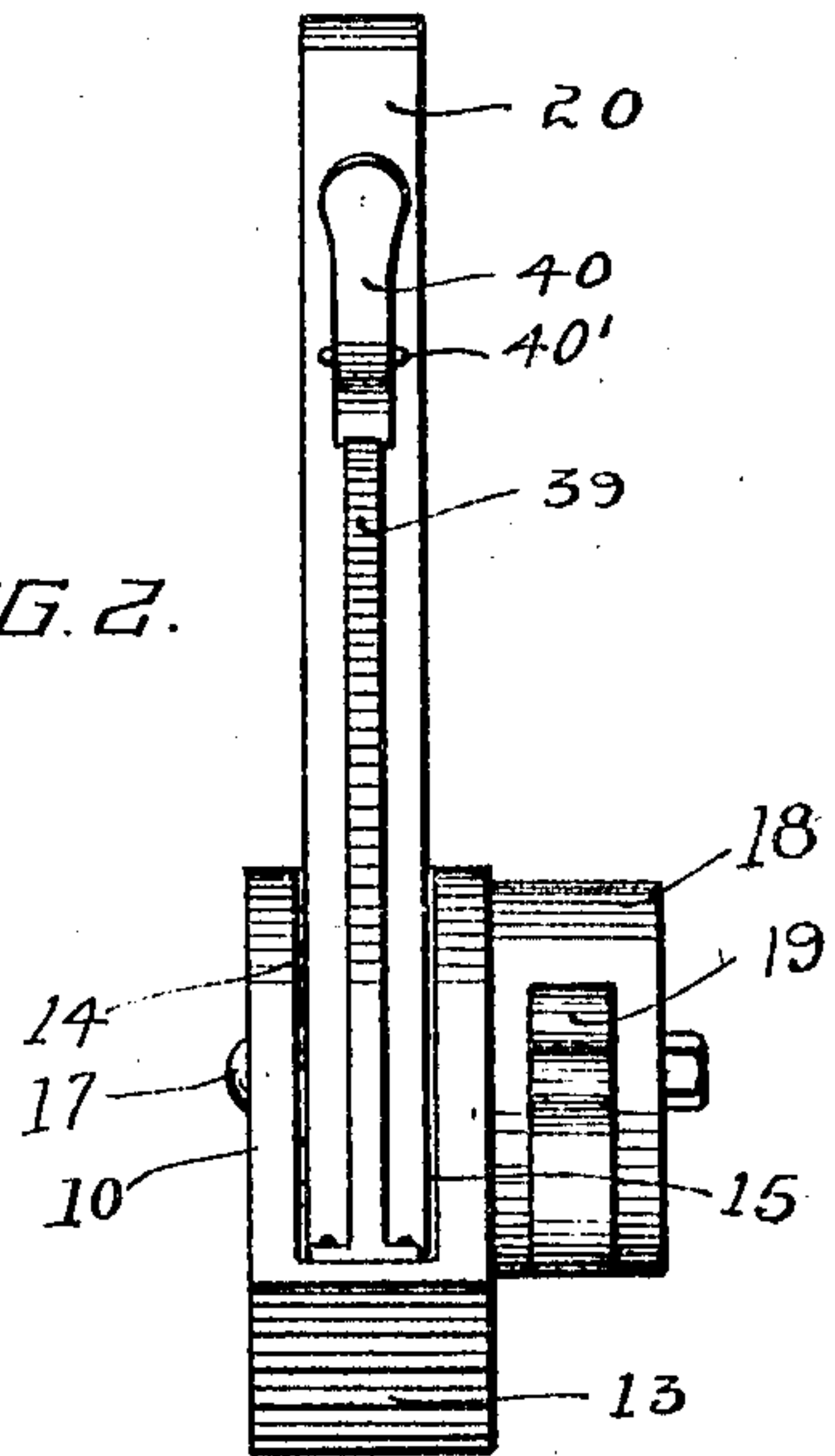


FIG. 3.

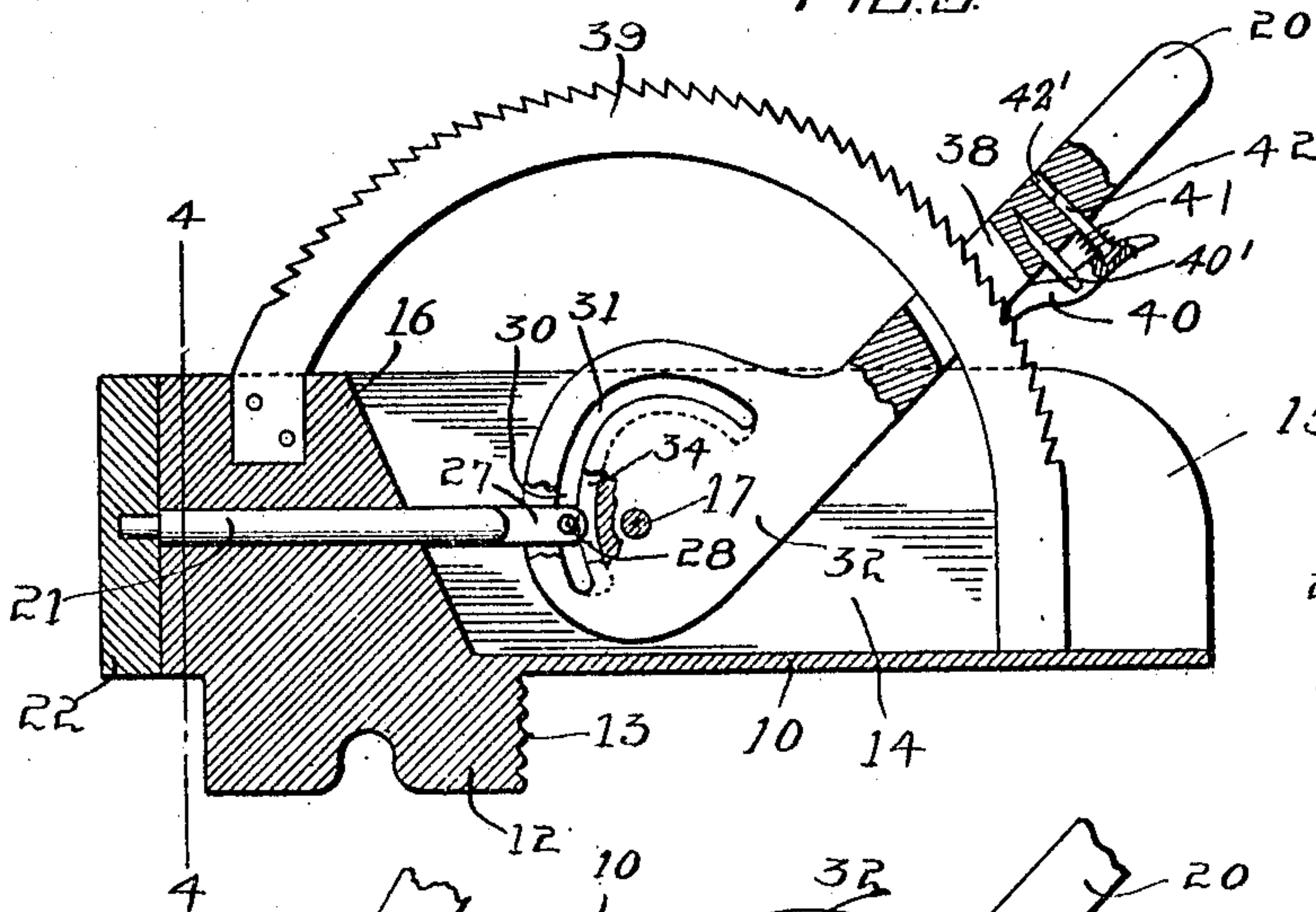


FIG. 4.

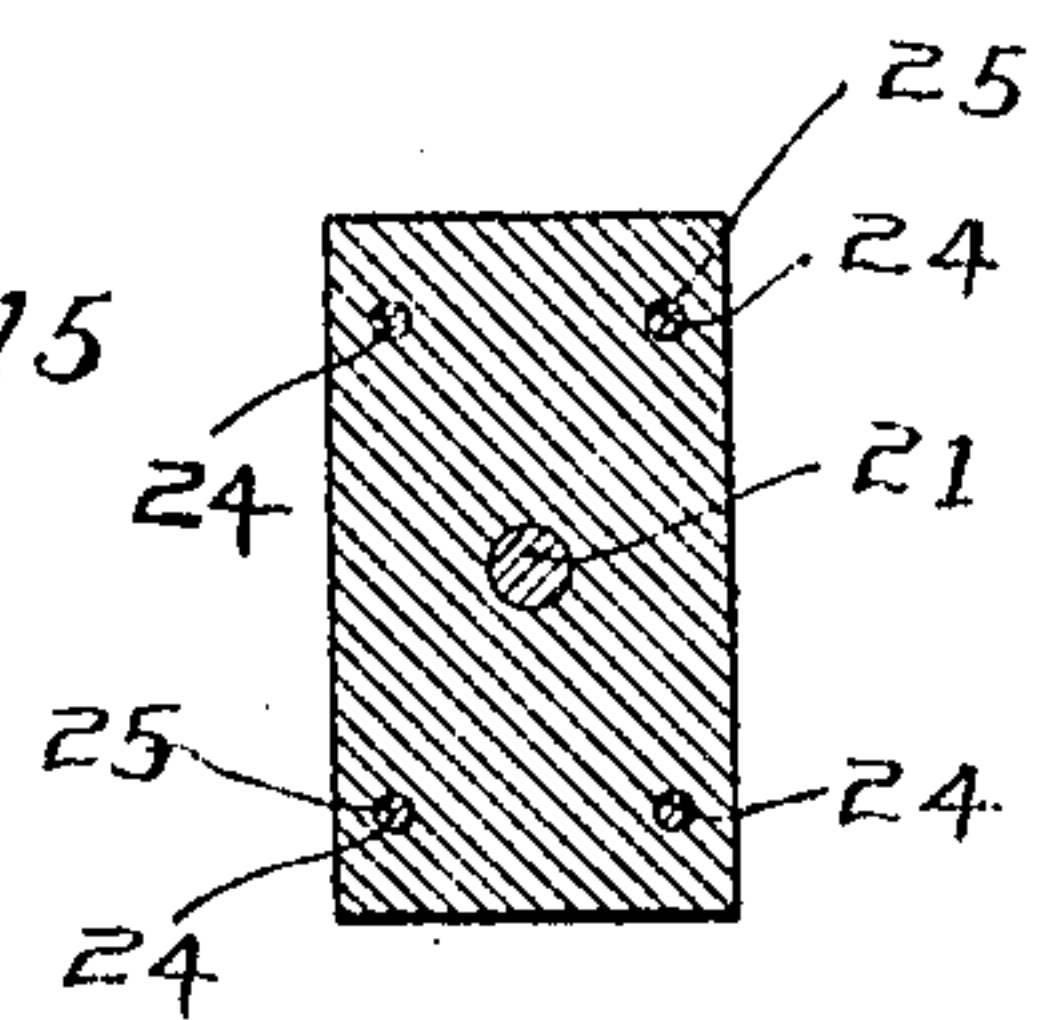
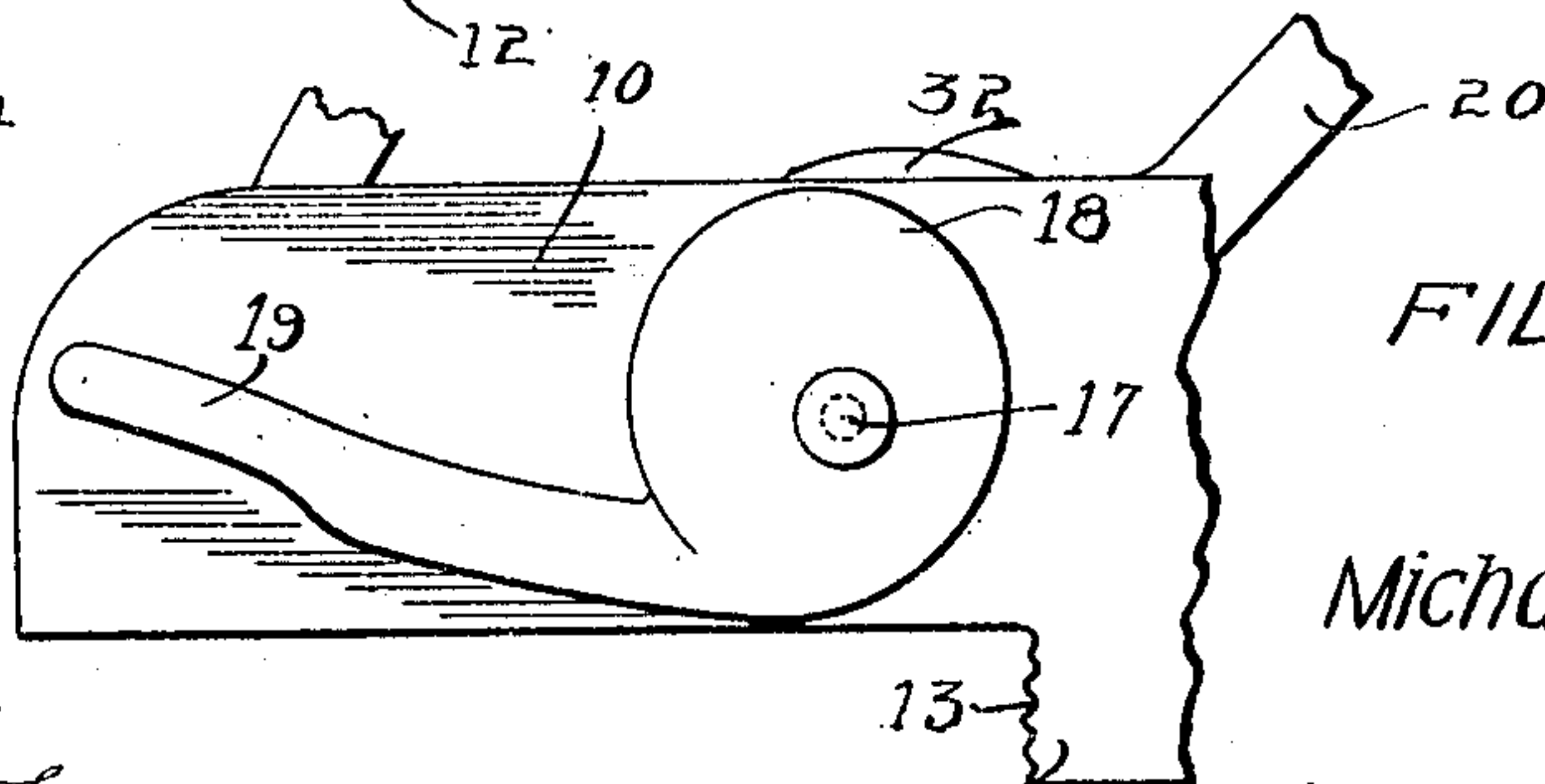


FIG. 5.



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MICHAEL DORION, OF RUMFORD, MAINE.

WINDOW-LOCKING DEVICE.

1,298,472.

Specification of Letters Patent.

Patented Mar. 25, 1919.

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To all whom it may concern:

Be it known that I, MICHAEL DORION, a citizen of the United States, residing at Rumford, in the county of Oxford and State of Maine, have invented new and useful Improvements in Window-Locking Devices, of which the following is a specification.

This invention relates to a window locking device and more particularly to means for locking an upper sash, a lower sash, or for locking both sashes at one time in open position. The device is also useful in securing a closed window sash when it is desired to employ it for that purpose.

A further object is to provide a device adapted to be applied to the upper edge of the lower sash after the latter has been raised, or after the upper sash has been lowered, said device engaging the space between the window stiles and including elements designed to positively engage each sash.

A further object is to provide a device including a metallic frame or mounting member in which a plunger or the like is carried, said plunger being operated by an eccentric element controlled by a lever engaging a segment, the plunger carrying a head for positively engaging one of the sash members.

With the foregoing and other objects in view the invention consists in the novel construction, combination, and arrangement of elements hereinafter described and claimed.

In the drawings,

Figure 1 is a top plan view showing the device in position just above the lower sash.

Fig. 2 is an edge view, in elevation.

Fig. 3 is a horizontal section.

Fig. 4 is a section on the line 4—4 of Fig. 3.

Fig. 5 is a bottom plan view of a portion of the structure of Fig. 1 and showing especially a cam member engaging one sash in the manner shown in dotted lines in Fig. 1.

The frame 10 formed of metal carries on one side thereof an offset 12 provided with a serrated edge 13 engaging the stile of the window frame. The element 10 is provided with a channel 14 within which the operative members are mounted, one end of the channel being open as shown at 15 and

the other end terminating at or about the point 16.

A pin 17 extends through the frame 10 and serves to mount on the end thereof outside of said frame a cam member 18 engaging the frame of one of the sash members when the device is in operative position. This cam is provided with an operative arm 19.

The pin 17 also serves to mount a pivoted arm or lever 20 by means of which a plunger engaging the other sash member is operated. This plunger is designated 21 and is provided with a head 22 for directly engaging the sash element last named. Guiding pins 24 are carried by head 22 and operate within bores 25 in the element 10.

The plunger 21 is connected with an extension 27, or is formed with such extension, the latter receiving a transverse pin 28 operating in eccentrically formed slots 30 and 31 in the enlarged portion 32 of the element 20. The extension mentioned projects into a channel 34 in the edge of the enlarged portion. The curved slots are eccentric with reference to the pin, and upon the movement of arm 20 the plunger is moved inwardly or outwardly with reference to element 10.

Arm 20 is provided with slot 38 and through this slot there extends a segmental rack 39, the teeth of which are engaged by a pawl 40 normally held in operative position by a spring 41 encircling a pin 42 constituting a guiding element for the pawl. Pin 42 operates in aperture 42', and is provided with a head retaining it in operative connection with the pawl. The element last named is pivotally mounted by means of a staple 40' the yoke portion of which passes through the body of the pawl.

What is claimed is:

In a device of the class described, a frame provided with a channel extending longitudinally thereof, an offset portion carried by the frame and adapted to engage a window stile, a plunger mounted within the frame and movable in a direction longitudinally thereof, a pivotally mounted arm located within the channel and provided with an enlarged portion having a slot extending partially around the edge thereof, one end

portion of the plunger extending into the slot, said arm also being provided with slots extending eccentrically with reference to the mounting of the arm, means engaging the
5 slots and connected with the end of the plunger entering the slot first named, a pin for mounting the arm, said pin extending through the frame, and an eccentrically

mounted member carried by an outer end 10 of the pin, said member last named and the aforesaid plunger being positioned to positively engage respectively the upper and lower sash members of a window.

In testimony whereof I affix my signature.

MICHAEL DORION.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."