

Nov. 18, 1924.

1,516,246

G. H. REAGAN

WINDOW SCREEN

Filed Oct. 25, 1922

2 Sheets-Sheet 1

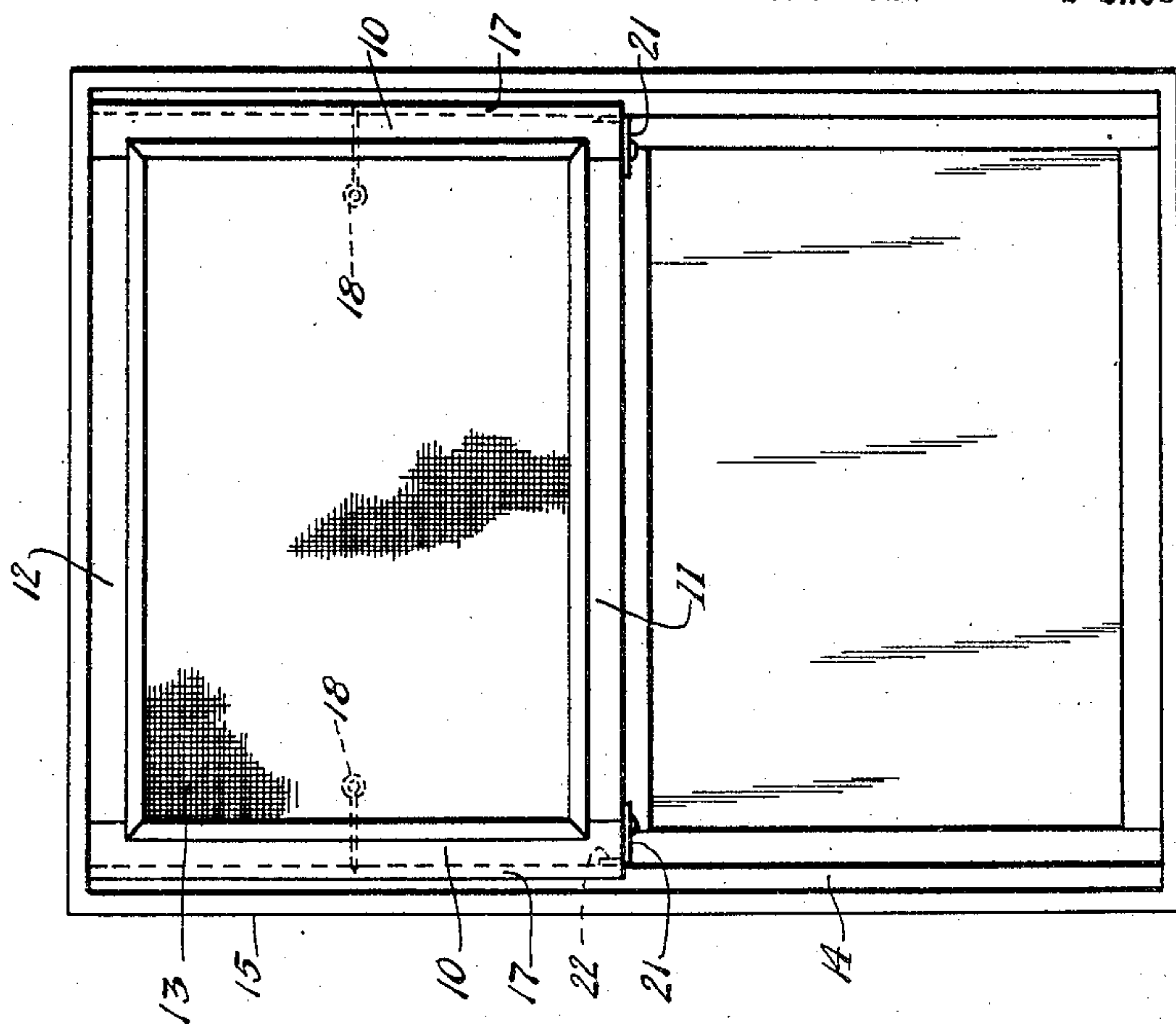


Fig. 2

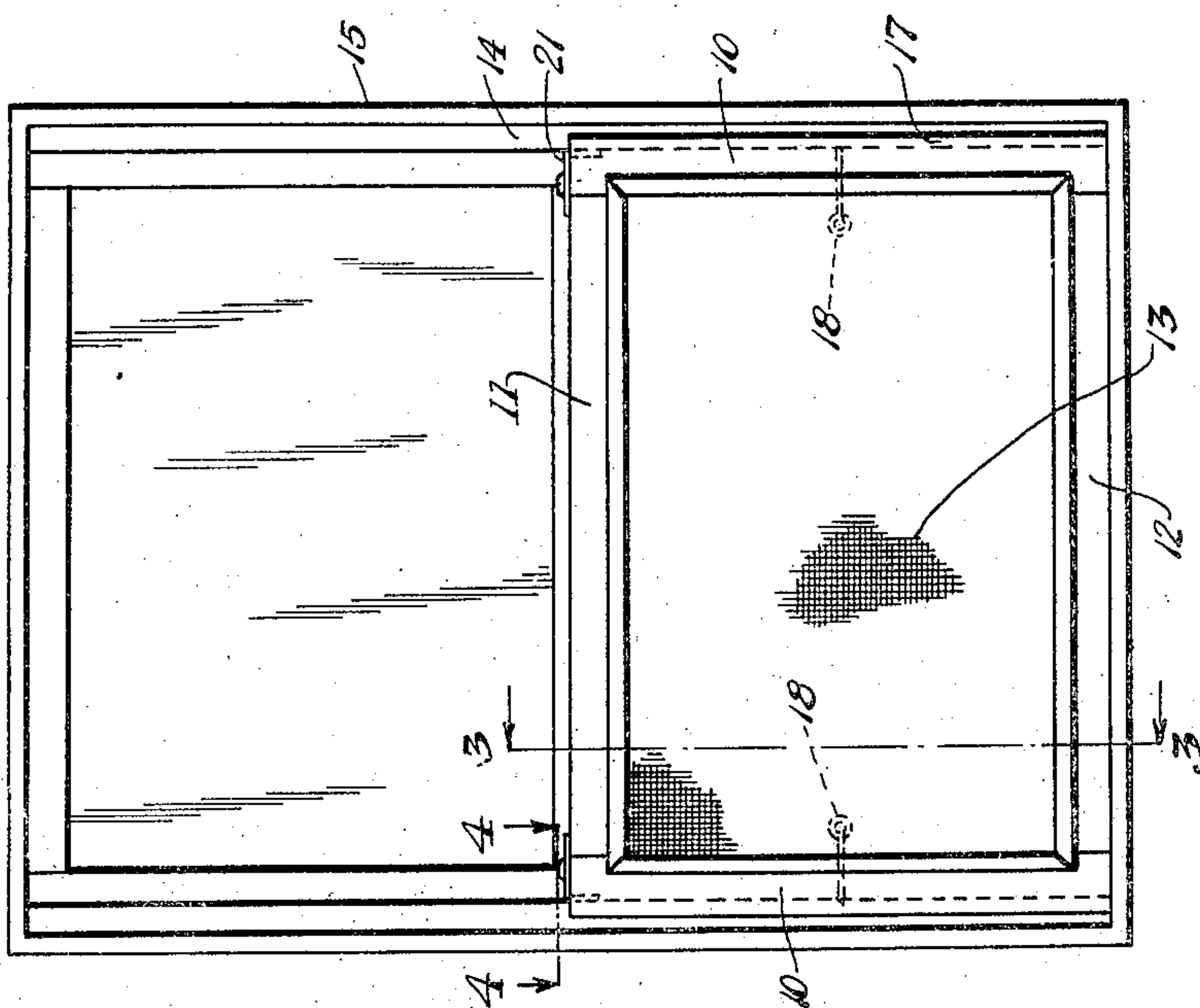


Fig. 1

Witnesses:

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Inventor:

Gerald H. Reagan

By Joshua R. Holt
his attorney

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2 Sheets-Sheet 2

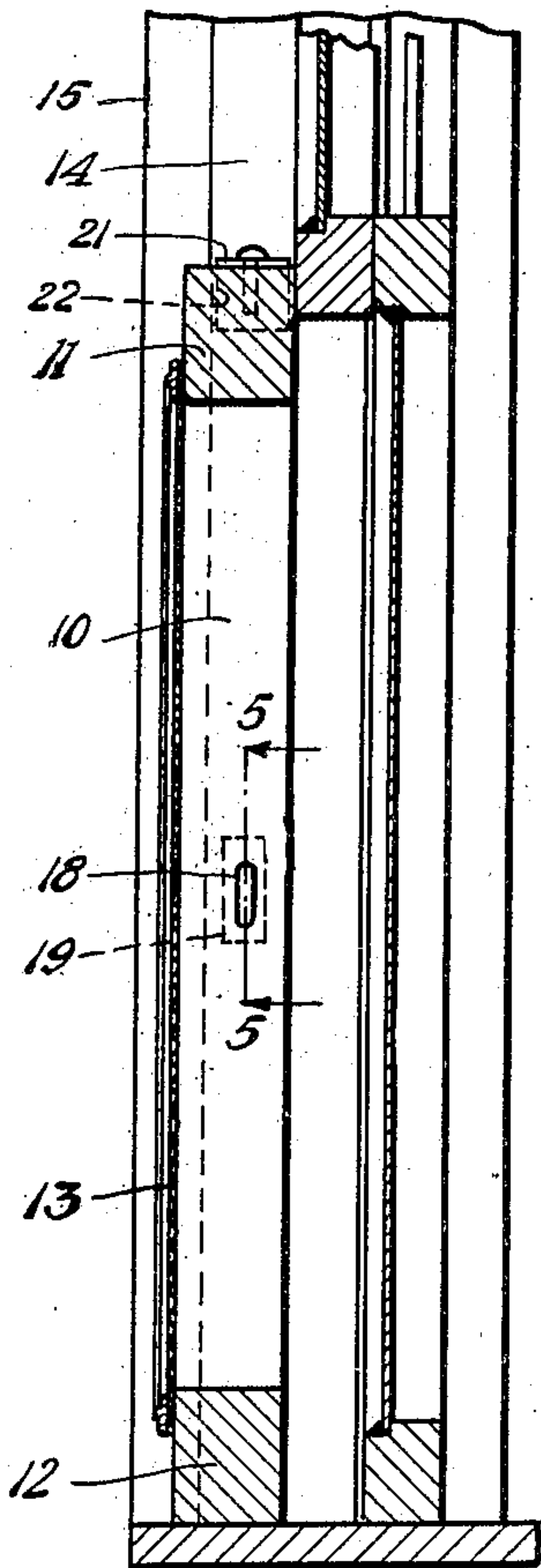


Fig. 3

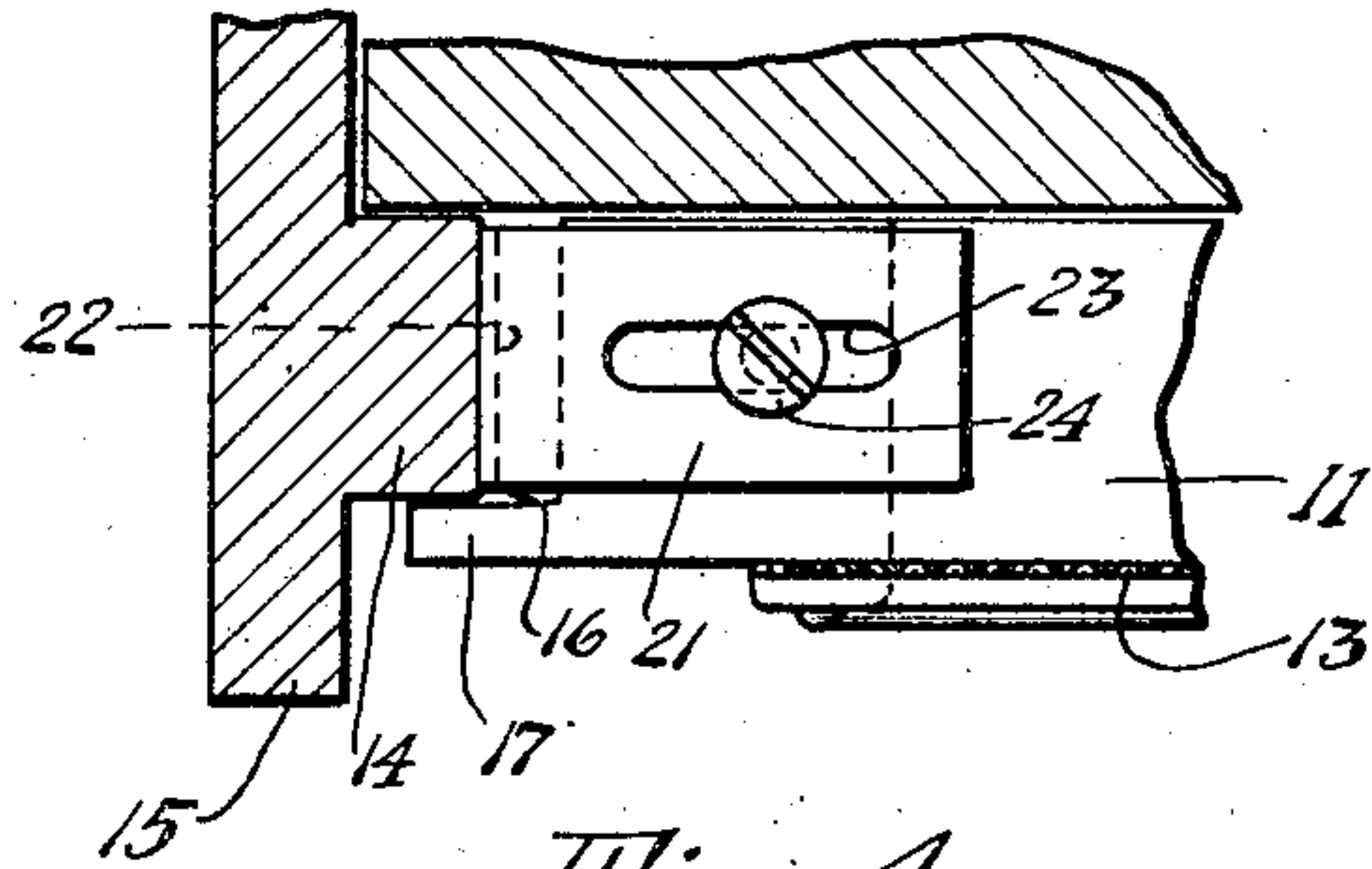


Fig. 4

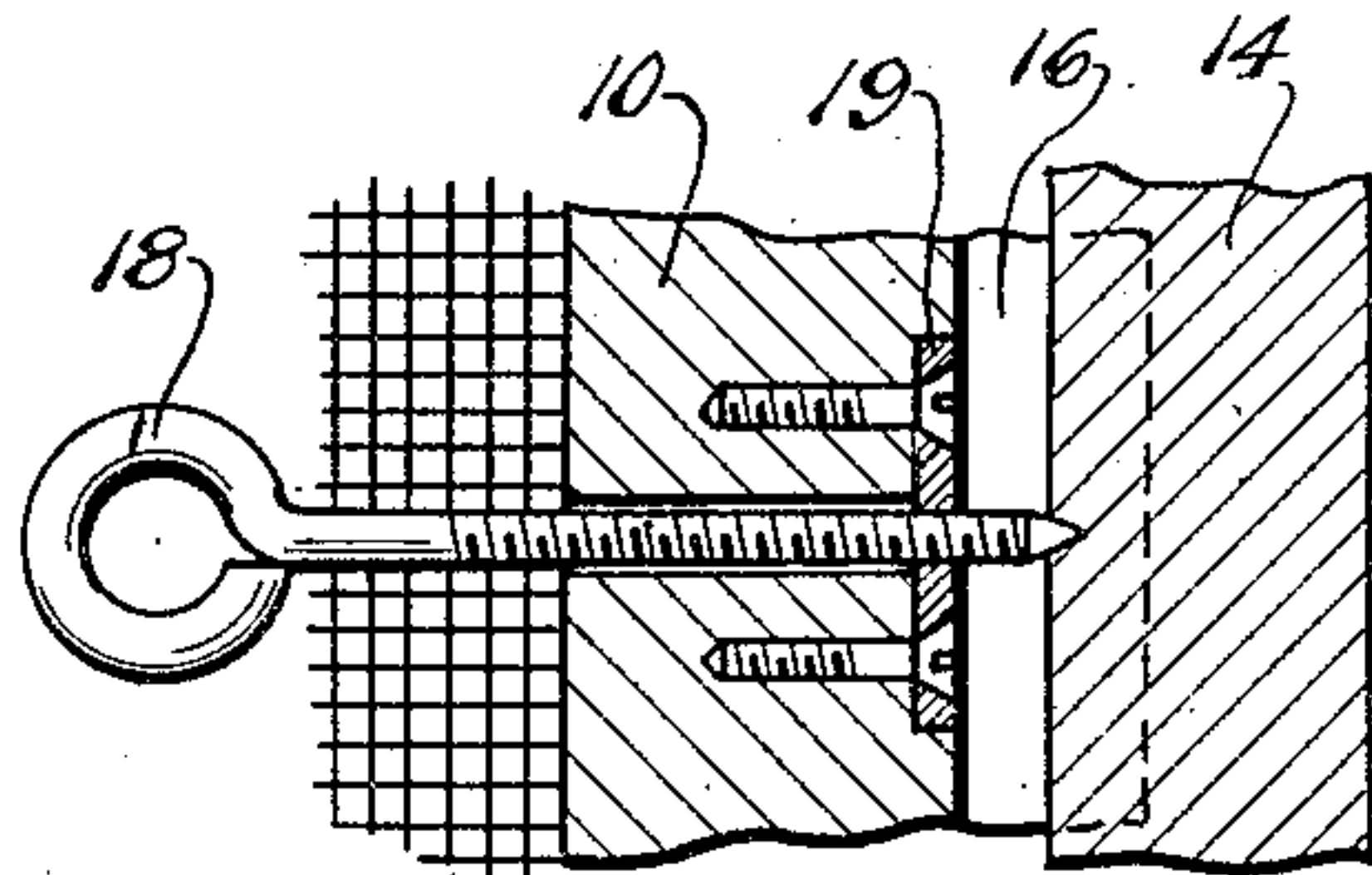


Fig. 5

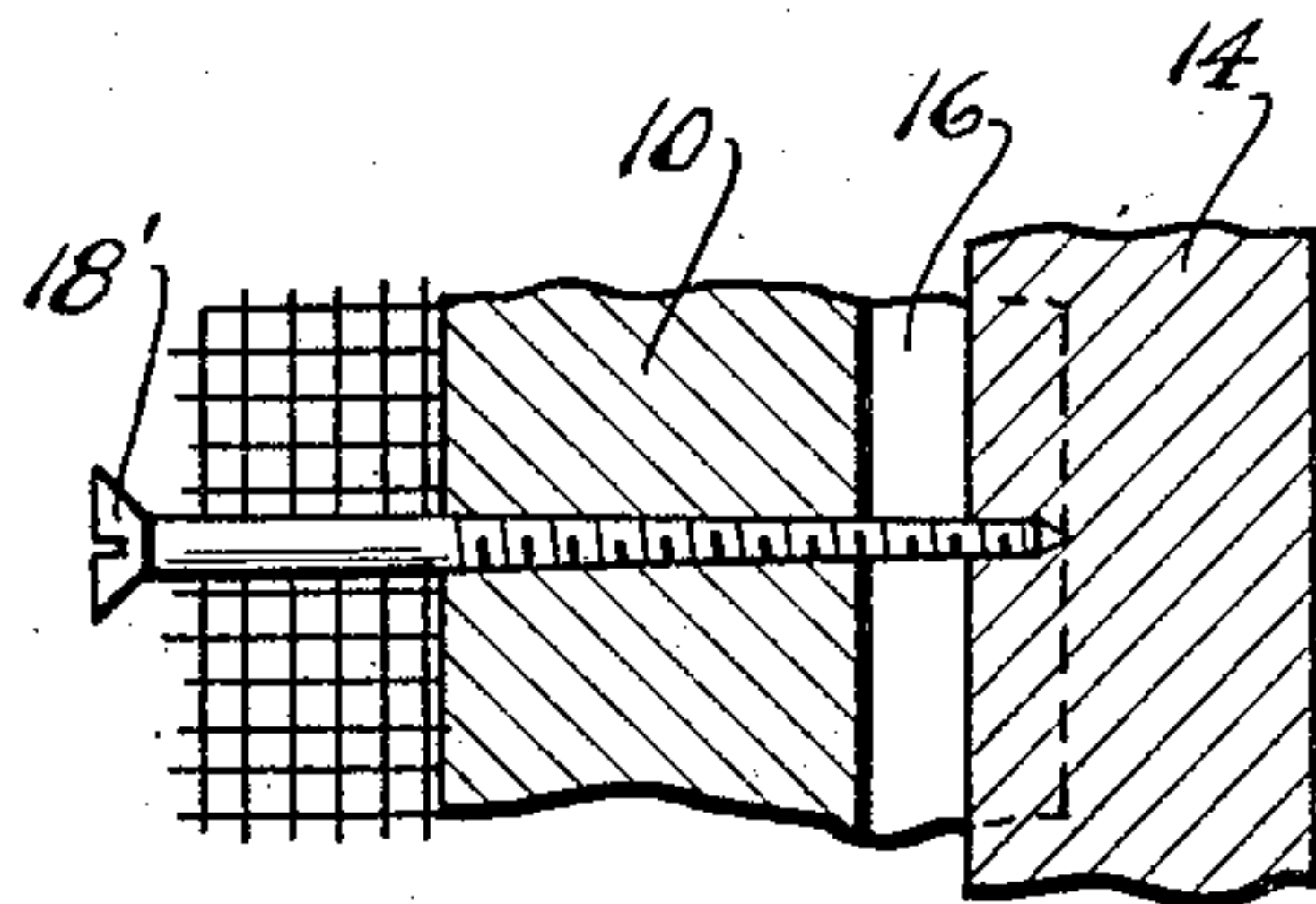


Fig. 6

Witnesses:

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Patented Nov. 18, 1924.

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UNITED STATES PATENT OFFICE.

GERALD H. REAGAN, OF RIVER FOREST, ILLINOIS.

WINDOW SCREEN.

Application filed October 25, 1922. Serial No. 596,751.

To all whom it may concern:

Be it known that I, GERALD H. REAGAN, a citizen of the United States, and a resident of River Forest, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Window Screens, of which the following is a specification.

My invention relates to improvements in window screens, and has for its object to provide a screen which does not require the time and expense of a skilled carpenter for fitting and mounting said screen in the window frame, and which is readily and accurately mountable by any unskilled person and even in window frames of irregular or uneven construction.

Another object is to provide a screen which may be readily set in the window frame, and which may be fastened at either the upper or the lower part of the frame, or two of which screens may be superposed to protect the entire window.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which,

Fig. 1, is an elevational view showing my improved screen mounted in the lower part of a window frame;

Fig. 2, is an elevational view showing my screen mounted in the upper part of a window frame;

Fig. 3, is an enlarged vertical sectional view taken on line 3—3 of Fig. 1;

Fig. 4, is an enlarged horizontal sectional view taken on line 4—4 of Fig. 1;

Fig. 5, is an enlarged vertical sectional view taken on line 5—5 of Fig. 3, and

Fig. 6, is an enlarged vertical sectional view taken substantially in the same position as Fig. 5 and showing the use of an ordinary screw in place of the thumb screw illustrated in Fig. 5.

My improved screen comprises a frame having side bars 10 connected by end bars 11 and 12, and a screen 13 of any suitable material is fastened therebetween. The frame is loosely fitted between the blind stops 14 of the side members 15 of the window frame, the screen frame being approximately one-half inch narrower than the win-

dow frame, thereby providing spaces 16 between the side bars 10 and the blind stops 14, in order to make it easy to set these frames even though the screen frames are slightly expanded or the window frames are uneven and vary from the usual regular size. Flanges 17 are provided on the side bars 10 and overlap the outer sides of the blind stops and spaces 16, while threaded members, which may be in the form of thumb screws 18, as shown in Figs. 1 to 5, or may be ordinary screws 18' or the like, as shown in Fig. 6, are used to fasten the screen in the window frame, and metal plates 19 are preferably used with the thumb screws and are fastened on the side bars 10 to facilitate forcing the thumb screws into the blind stops to hold the screen securely in position. A shield 21 in the form of a thin plate with a flange 22 is slidably mounted at each end of the bar 11, as by means of a slot 23 and screw 24, thereby providing suitable means for properly closing each space 16 against entry of flies, these shields being adjustable to suit the particular size of the space 16.

It is apparent that with the use of the disclosed flanges 17 and shields 21, the screens may be made a trifle smaller than usual and thus enable any one to readily set the same in position in a window frame, without any additional fitting or trimming, and even though the screen frames or the window frames are uneven and not of the exact standard size; and it also appears that with the additional use of the threaded members 18 the screen may be fastened in position at either the upper or lower part of the window frame, and that the usual guide strips or beads on the blind stops 14 will be omitted as well as the usual cooperating grooves in the side bars 10 of the screen, thus avoiding the time and expense of a skilled carpenter in constructing screens and in fitting them accurately in said window frames. And it is also evident that by making the screens exactly one-half the size of the window frame, as shown, the screen may be reversed and used at the top as well as the bottom of the window, and that two screens may be used together, one above the other, with the shields 21 omitted, to protect the entire window.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without

departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and
5 modifications as come within the scope of the appended claims.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

10 1. A window screen having side bars arranged to fit loosely between the blind stops on the side members of a window frame and providing spaces between said blind stops
15 and side bars, flanges on said screen to overlap the outer sides of both blind stops and to cover said spaces, shields mounted on both ends of the top bar of said screen and hav-
20 ing slots and pins to slide said shields into engagement with both blind stops and cover said spaces.

2. A window screen having side bars arranged to fit loosely between the side mem-
bers of a window frame providing a space
25 on said screen overlapping said side members and spaces, shields on said screen to cover the ends of said spaces, flat plates em-

bedded in the side edges of said side bars, and thumb screws extending parallel with
said screen and entirely through said side 30 bars and plates to engage in said side members and secure the said screen in position in either the upper or lower part of the window frame.

3. A window screen having side bars ar- 35 ranged to fit loosely between the blind stops on the side members of a window frame thereby providing a space between each bar and each stop, flanges on said side bars which overlap the outer sides of said stops and
40 said spaces, shields slidably mounted on an end bar of said screen and to cover the ends of said spaces, threaded plates embedded in the side edges of said side bars, and thumb
45 screws passing laterally entirely through said side bars and plates and entering said stops to secure said screen in position.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GERALD H. REAGAN.

Witnesses:

JOSHUA R. H. POTTS,
FREDA C. APPLETON.