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R. H. SOPER

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DRAWER PULL

Filed Jan. 22, 1932

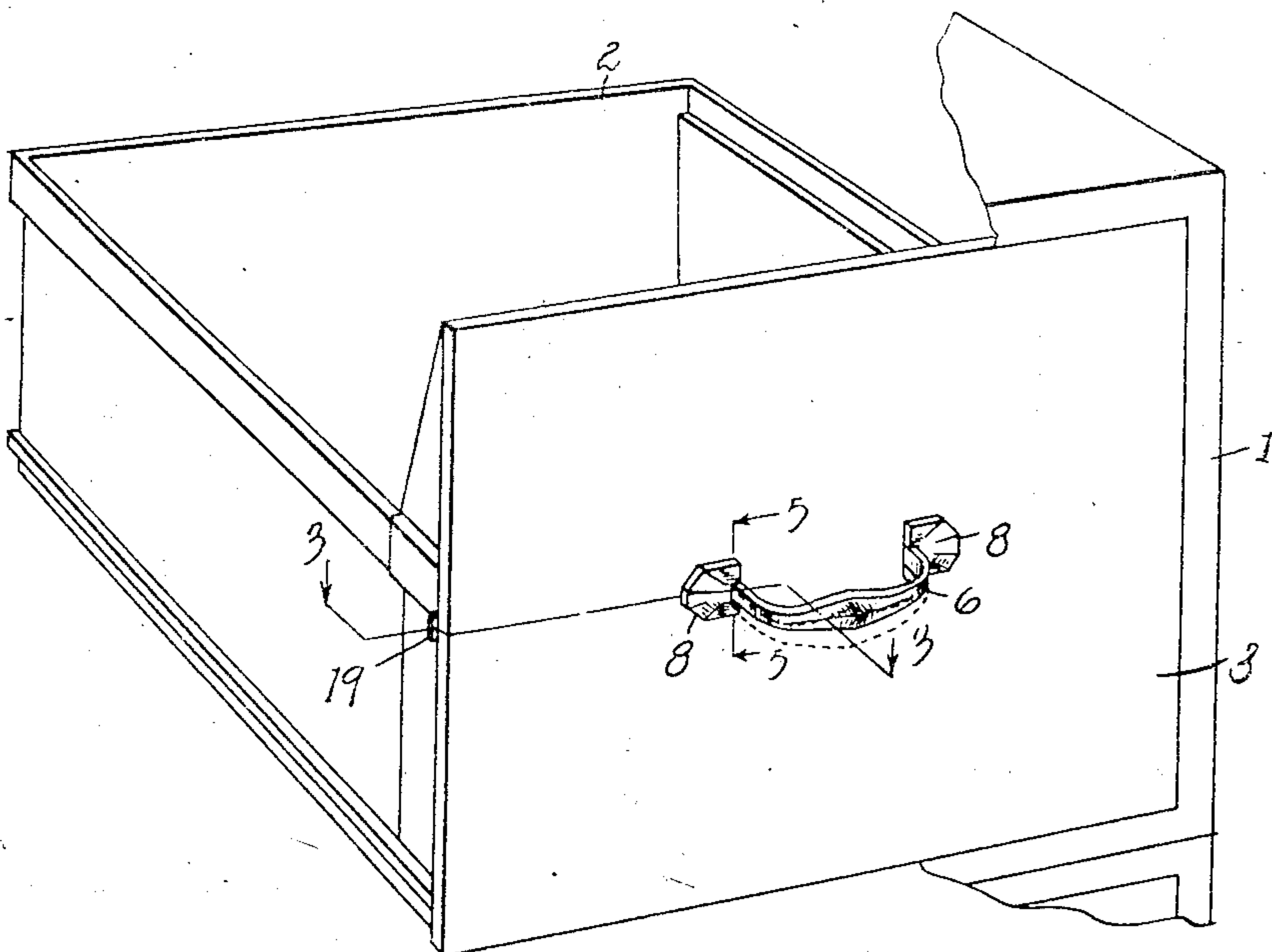


Fig. 1

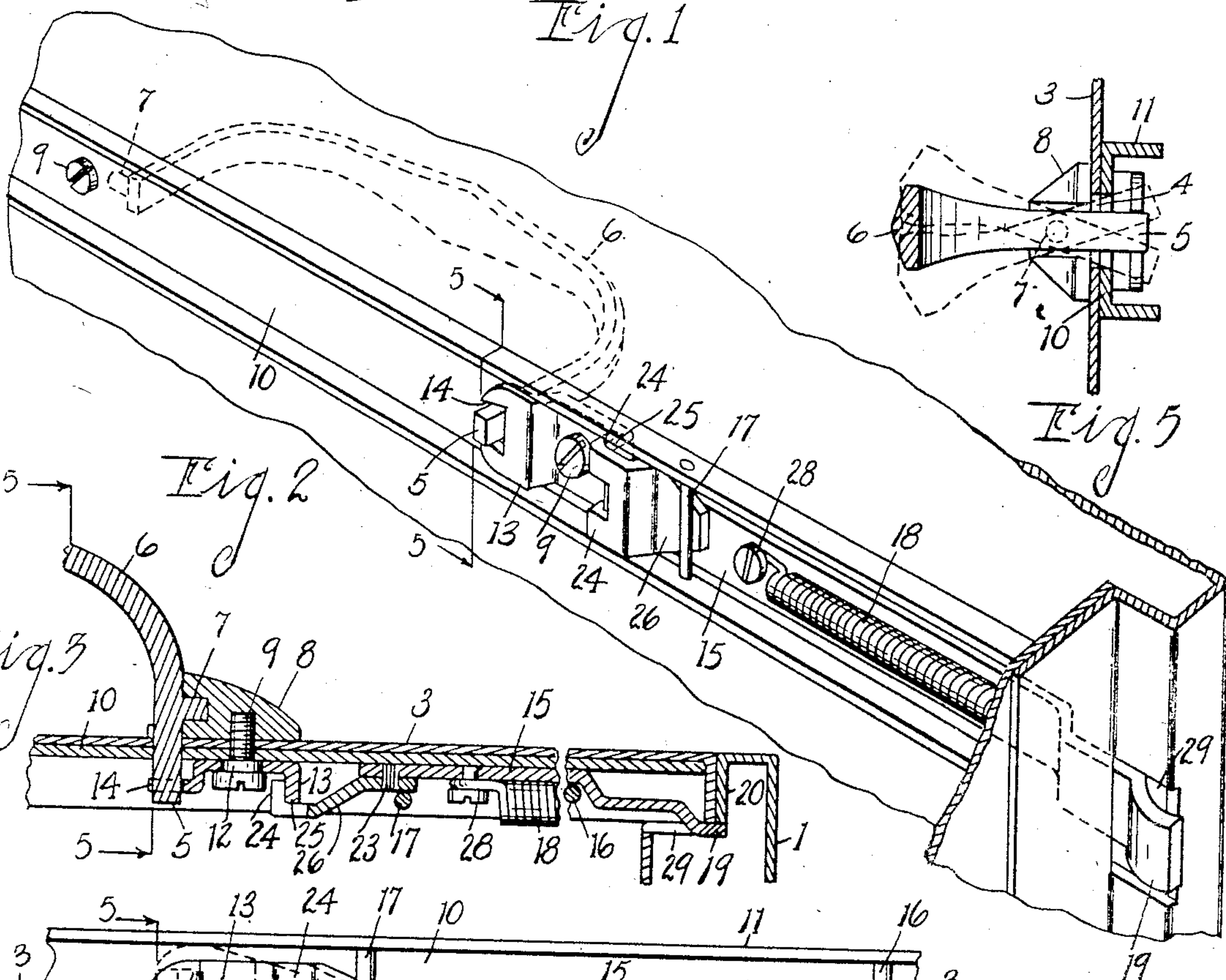


Fig. 2

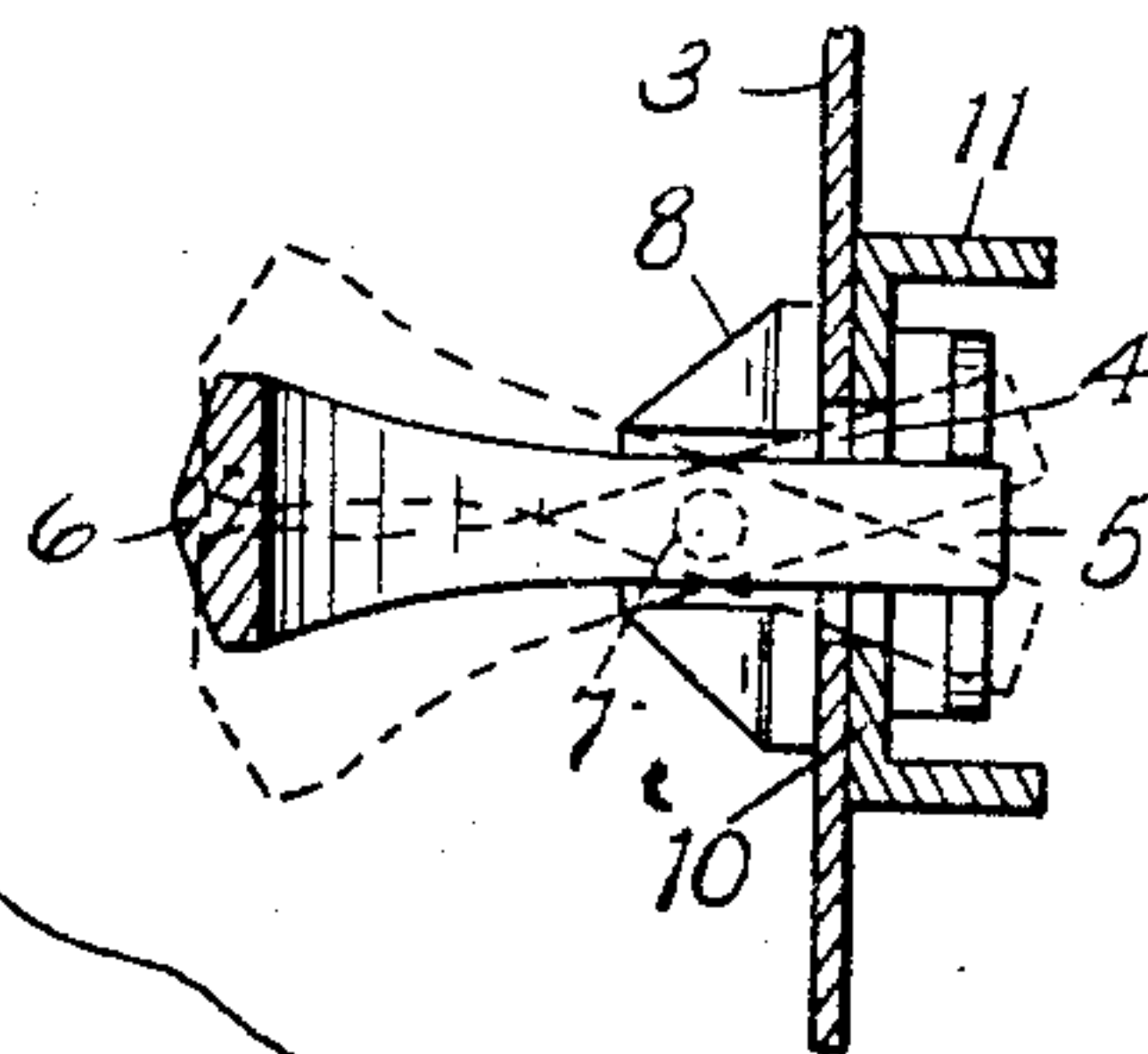


Fig. 5

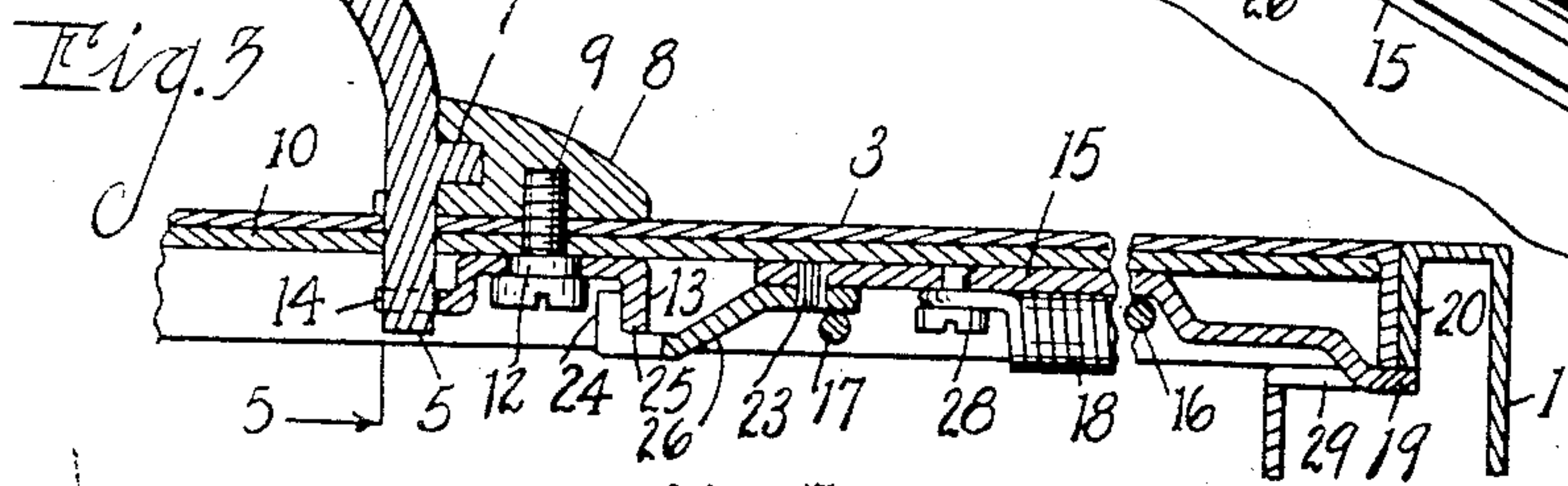


Fig. 3

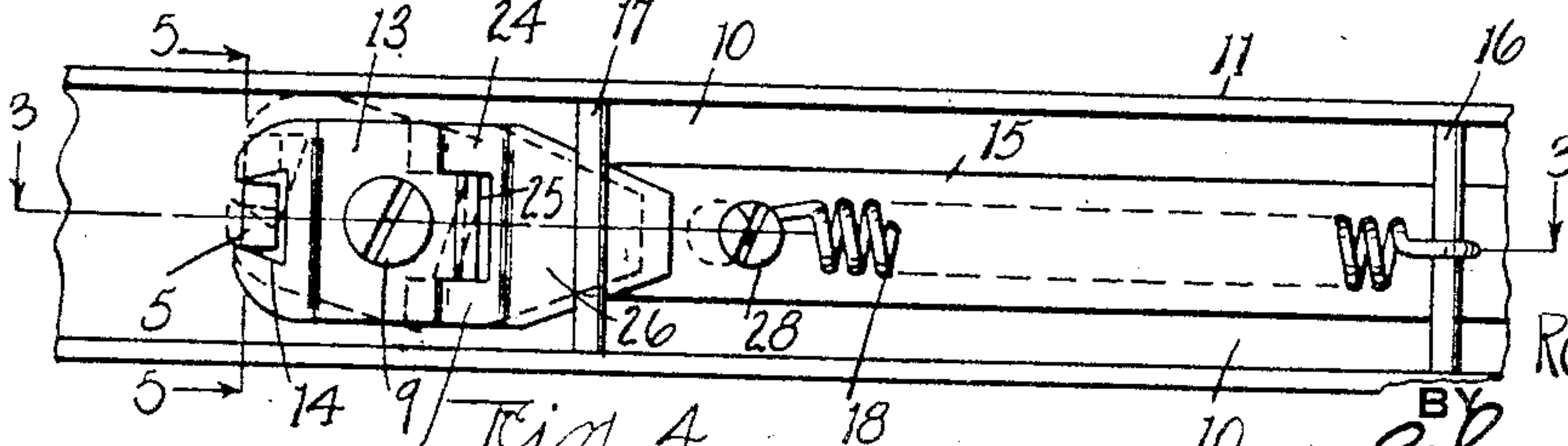


Fig. 4

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DRAWER PULL

Application filed January 22, 1932. Serial No. 588,181.

The main object of my invention is to provide a combined drawer pull and latch or bolt release for filing cabinet drawers and the like.

Another object is to provide a device of this character in which the bolt is moved to unlatching position when the pull is moved upwardly or downwardly from a natural position.

Objects relating to details and economies of my invention will appear from the description to follow. The invention is defined in the claims.

A structure which is a preferred embodiment of my invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a fragmentary perspective view of a filing cabinet having a drawer pull embodying my invention.

Fig. 2 is an enlarged fragmentary rear perspective view of the latch mechanism.

Fig. 3 is an enlarged fragmentary horizontal section taken on a line corresponding to line 3—3 of Figs. 1 and 4.

Fig. 4 is an enlarged fragmentary rear elevation.

Fig. 5 is an enlarged fragmentary vertical section taken on a line corresponding to line 5—5 of Figs. 1 to 4, inclusive.

Referring to the drawing, numeral 1 illustrates a filing cabinet which is provided with a drawer 2. The front panel 3 of the drawer has an opening 4 therein for the passage of an inwardly projecting arm 5 at one end of the handle or pull 6. The handle or pull 6 has journals 7 engaging bearing openings provided therefor in the ears 8. These ears are secured in position by screws 9 which are arranged through the web 10 of the horizontally disposed channel bar 11 arranged on the inner side of the front panel. One of these screws is provided with a shoulder 12 which constitutes a pivot for the lever 13.

The bar is provided with a hole aligned with a hole 4 in the front panel, see Fig. 5, while the lever is provided with a notch or recess 14 receiving the arm 5. The bolt or latch 15 is slidably supported within the channel of the bar by means of the pins 16 and 17 extending between the flanges of the bar.

The spring 18 is connected at one end to the bolt by the screw 28, its other end being connected to the pin 16. The bolt has an offset end 19 arranged through a slot 29 in the drawer to coact with a rearwardly extending flange 20 of the cabinet which acts as a keeper therefor, see Fig. 3.

At its inner end the bolt 14 is provided with spaced inturned abutments or lugs 22, the abutment member being preferably a separate piece and secured to the bolt proper by welding at 23. The spaced abutment lugs 24 coact with the upturned end 25 of the lever 13 so that when the lever is swung in either direction about its pivot the bolt is retracted against the force of the spring 18. The spring acts to hold the pull yieldingly in its central horizontal position and so that it may be rocked or tilted in either direction from this position as indicated in Fig. 5, and when rocked acts to retract the bolt.

The advantage of this is that the drawer is released by either an upward or downward rocking of the pull on its pivot such as normally occurs when subjected to such forces as are normally applied in manipulating drawers of filing cabinets or the like. For example, if the drawer is low in the cabinet the operator tends to pull upwardly on the pull, thereby retracting the bolt, and if it is high in the cabinet the operator tends to pull down, thereby releasing the bolt. At the same time the latch effectively retains or locks the drawer.

I have illustrated and described my embodiments in an embodiment which I have found very practical. I have not attempted to illustrate or describe certain embodiments or adaptations which I contemplate, and such as might be desirable in adapting the particular structures, as it is believed that this disclosure will enable those skilled in the art to embody or adapt my improvements as may be desired.

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

1. The combination in a filing cabinet or like structure provided with a drawer having a front panel with an opening therein, of a

cross bar disposed horizontally on the inner side of said front panel and having an opening registering with said opening in said panel, pivot ears disposed on the outer side of said panel, screws arranged through said bar to engage said ears, a pull pivotally mounted on said ears and provided with an arm disposed through said openings in said panel and bar, a bolt slidably mounted on said bar and provided with spaced inwardly projecting abutments at its inner end, a spring acting to project said bolt, and a lever pivotally mounted on one of said screws and having an upturned end engaging said abutments, its opposite end being slotted to receive the arm on said pull.

2. The combination in a filing cabinet or like structure provided with a drawer having a front panel with an opening therein, of a pull pivotally mounted on said drawer and provided with an arm disposed through said opening in said panel, a bolt slidably mounted within said drawer and provided with spaced inwardly projecting abutments at its inner end, a spring acting to project said bolt, and a lever having an upturned end engaging said abutments, its opposite end being slotted to receive the arm on said pull.

3. In a structure of the class described, the combination with a drawer, of a drawer pull pivotally mounted on said drawer and having an arm projecting through an opening in the drawer, a bolt slidably mounted within said drawer and provided with spaced abutments, a lever operatively associated with said arm and pivotally mounted on the inner side of said drawer and having an abutment engaging part coacting with said lugs whereby the bolt is retracted when the lever is swung in either direction from a central point, and a spring acting to project said bolt and yieldingly hold said pull in a central position.

In witness whereof I have hereunto set my hand.

RAYMOND H. SOPER.

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