

Nov. 17, 1953

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2,659,643

TIE RACK

Filed Aug. 30, 1950

2 Sheets-Sheet 1

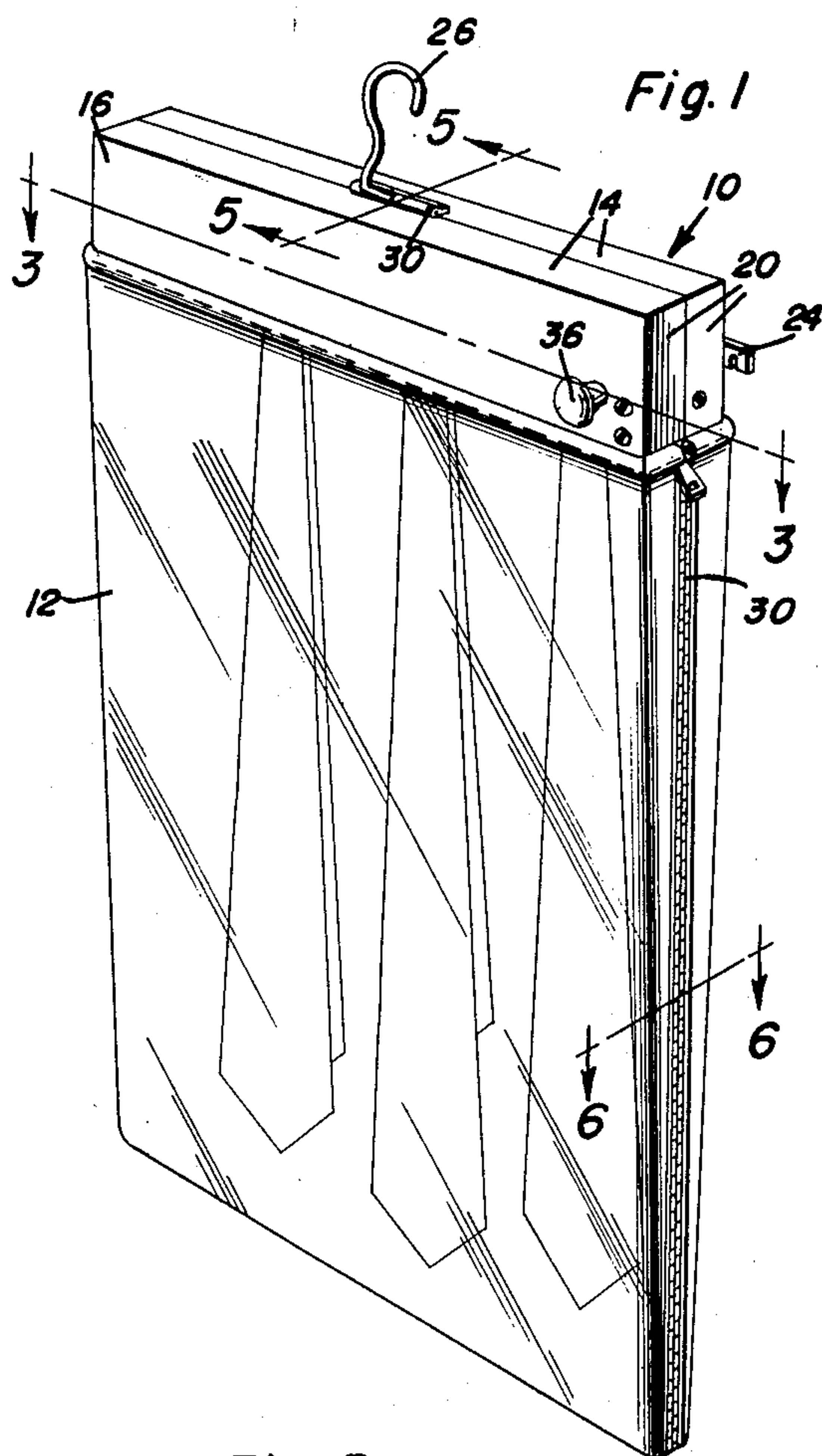


Fig. 3

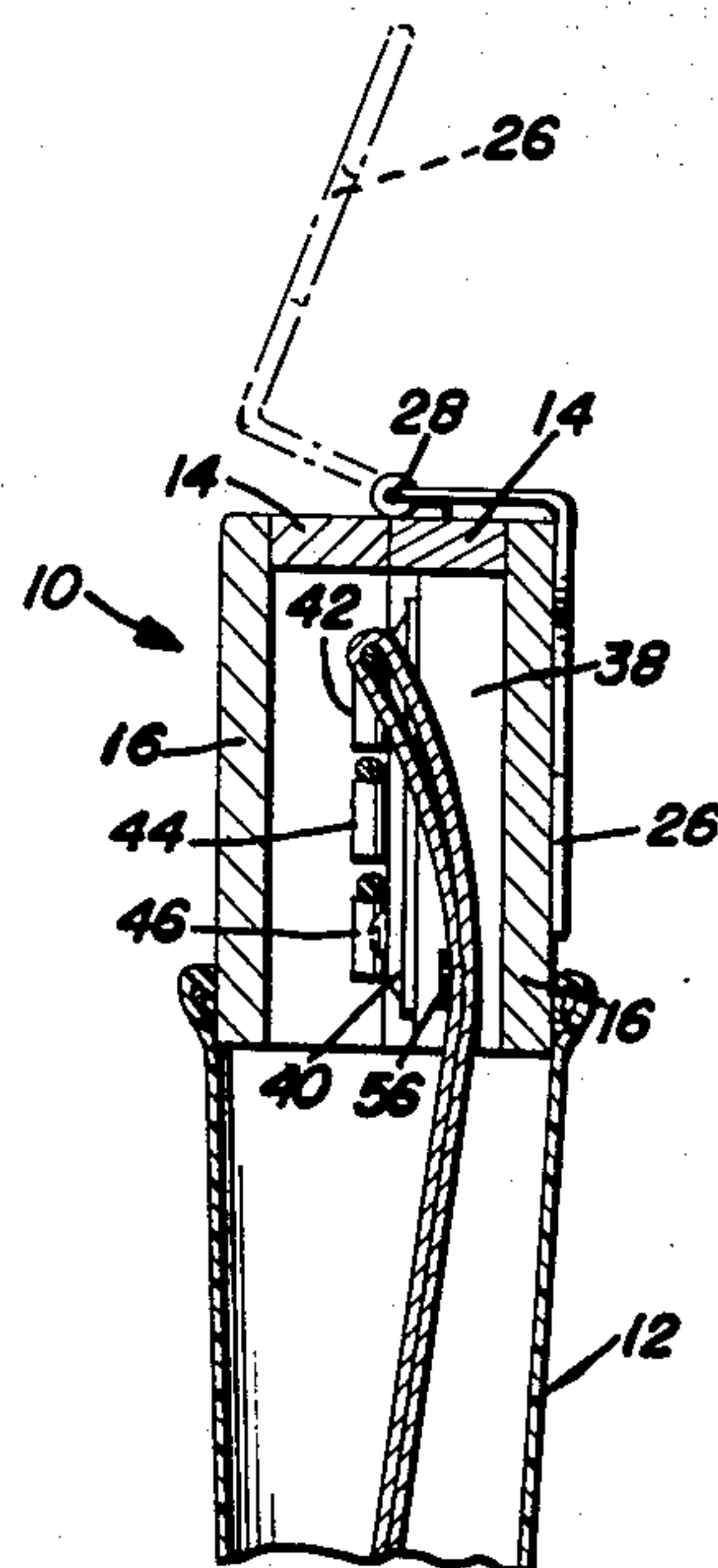


Fig. 5

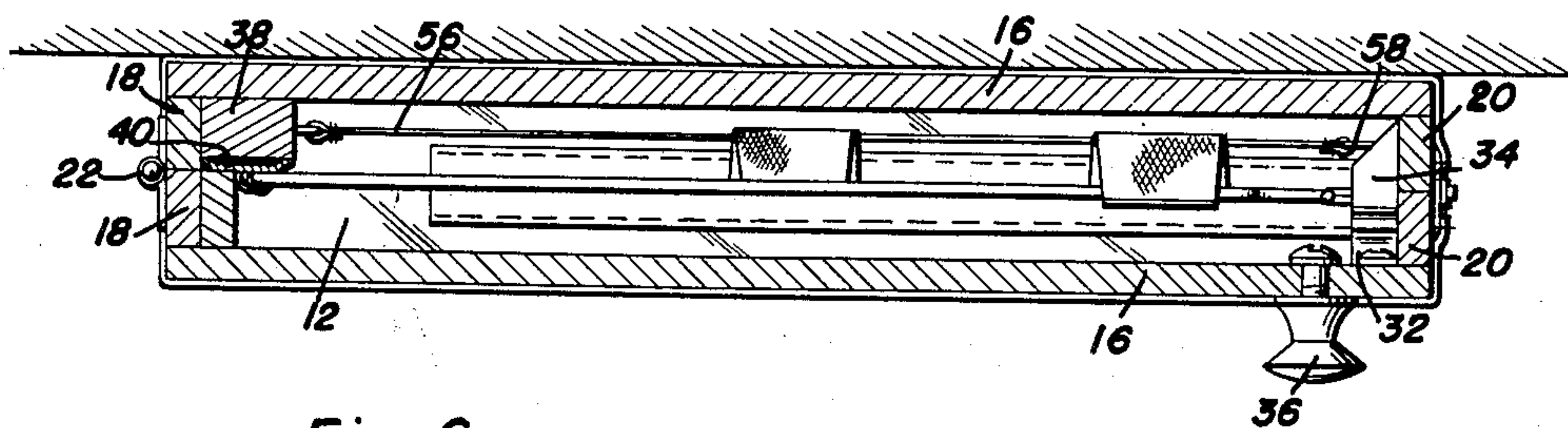
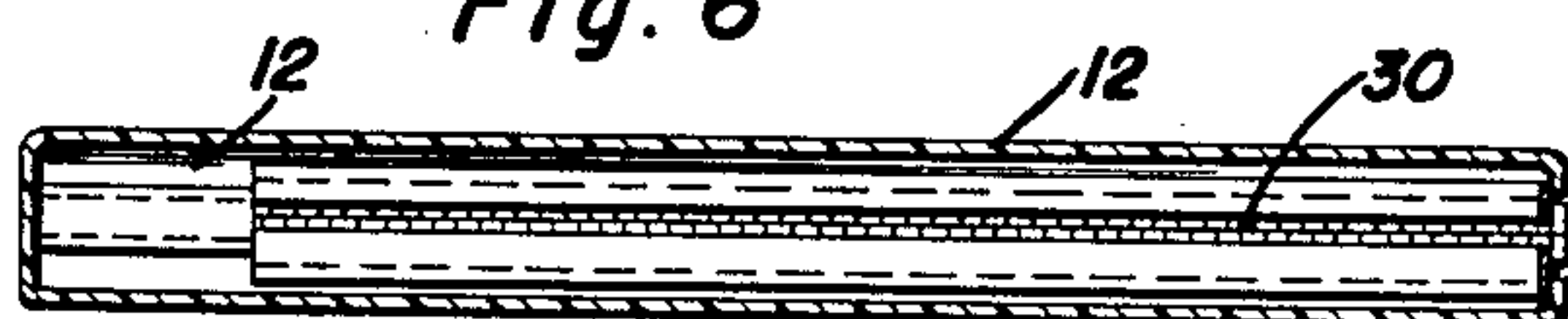


Fig. 6



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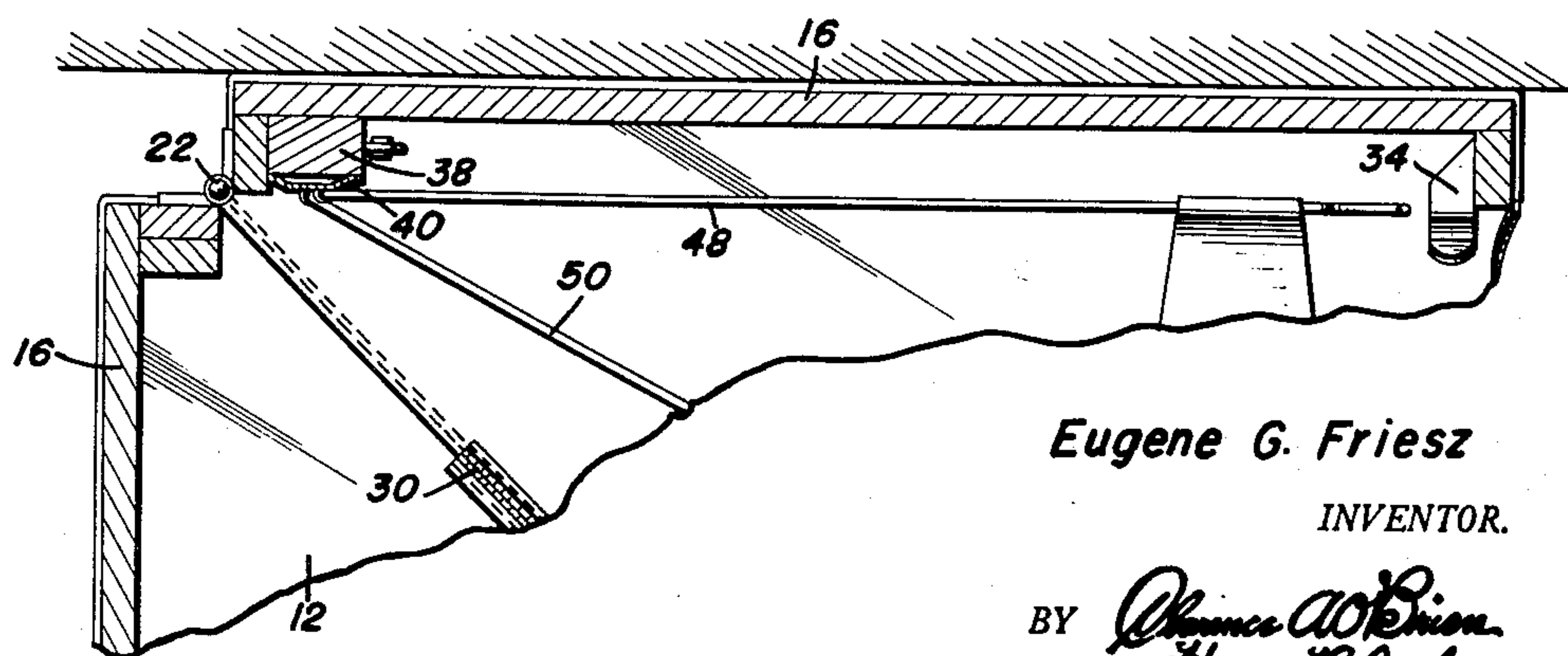
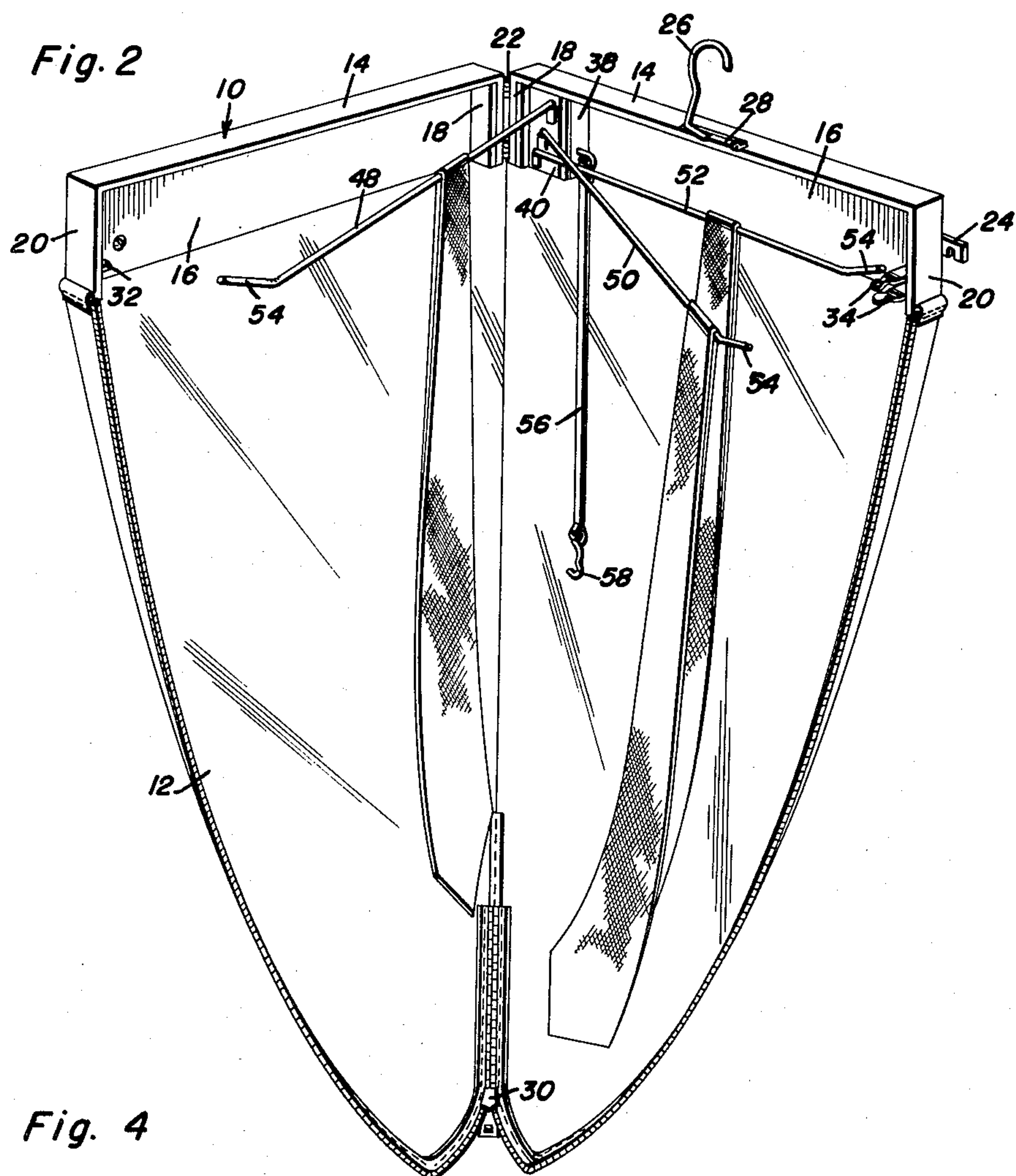
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2,659,643

TIE RACK

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Application August 30, 1950, Serial No. 182,326

5 Claims. (Cl. 312-4)

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This invention comprises novel and useful improvements in a tie rack and more specifically pertains to a novel case for effectively storing a plurality of ties in a neat and readily accessible manner, and which may be utilized either by attachment to a wall or by hanging from a support.

The primary object of this invention is to provide an improved tie rack having provision for effectively, conveniently and neatly storing a plurality of ties in a compact manner and particularly for convenient transportation by the user.

A further object of the invention is to provide a tie rack as set forth in the preceding object which shall be of an extremely inexpensive and lightweight construction, yet highly attractive in appearance, compact and durable in operation.

A further object of the invention is to provide an improved tie rack as set forth in the foregoing objects in which the rack shall be of a pliable and easily folded construction to facilitate the storage and transportation of the same, and yet shall be highly effective for the purposes intended.

A still further object of the invention is to provide an improved tie rack according to the above mentioned objects having improved means for obtaining access to the interior of the same.

A still further object of the invention is to provide a tie rack and case which shall have a rigid upper portion to effect hinging movement of the case and to provide convenient means for mounting the same upon a wall or other supporting surface, together with a replaceable, pliable lower portion for receiving a plurality of ties mounted upon support bars depending from or carried by the rigid upper portion.

These, together with various ancillary features and objects of the invention, which will later become apparent as the following description proceeds, are attained by the present invention, a preferred embodiment of which has been illustrated, by way of example only, in the accompanying drawings, wherein:

Figure 1 is a perspective view of a suitable embodiment of tie rack incorporating therein the principles of this invention, the same being shown in its closed position for supporting a plurality of ties therein;

Figure 2 is a perspective view of the tie rack of Figure 1 illustrated in its open position for obtaining access to the ties stored therein;

Figure 3 is a horizontal sectional view taken

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substantially upon the plane indicated by the section line 3—3 of Figure 1;

Figure 4 is a view similar to Figure 3 but showing the device in its open position;

Figure 5 is a vertical transverse sectional view taken substantially upon the plane indicated by the section line 5—5 of Figure 1 and illustrating the manner in which ties are secured to the support rods within the device, the fastening hook being shown in its folded position in full lines and in its elevated position in dotted lines therein; and

Figure 6 is a horizontal sectional view taken substantially upon the plane indicated by the section line 6—6 of Figure 1.

Referring now more specifically to the accompanying drawings, wherein like numerals designate similar parts throughout the various views, it will be seen that the device as illustrated comprises a rigid upper portion indicated at 10 which may consist of sheet metal, a suitable plastic or any other desirable material, to which is secured a lower portion of any suitable pliable material such as a fabric, a plastic or the like and which may be of a transparent nature if desired.

The pliable lower portion indicated by the numeral 12 may be attached to the lower portion of the rigid upper portion 10 in any desired manner, but preferably in such a way as to permit easy replacement of the pliable lower portion as the latter may become damaged during use.

The rigid upper portion comprises a pair of complementary sections, shown more clearly in Figure 2, each of which includes a top wall 14, a side wall 16 and a pair of end walls 18 and 20 for each section. The two end walls 18 are hinged together by a vertically disposed hinge as at 22 to permit the selective opening or closing movement of the same, and it will be apparent that, when in their closed position, the two complementary sections provide a box-like top having an upper end which is closed by means of the tops 14, but having an open lower end in communication with the interior of the pliable lower section 12.

Secured to the back of one of the side walls 16 at the opposite ends of the same, are a pair of mounting brackets 24, by means of which the device may be removably supported upon a wall or the like in a fixed and stationary manner. In order to adapt the device for use by the owner during traveling or the like, an angulated hook or hanger 26 is hingedly mounted upon the upper surface of one of the top walls 14 as by hinge

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members 28, to provide a means whereby the device may be hung from a supporting rod or other support in a depending manner. The hook or hanger is so constructed that the same may be pivotally moved into its raised position as shown in Figures 1, 2 and in dotted lines in Figure 5; or may be folded compactly downwardly upon the top wall 14 and the side wall 16 when not in use as shown in full lines in Figure 5. The raised position enables the device to be hung as set forth above, while in the folded position the device may be fixedly mounted by the above mentioned supporting brackets 24.

The lower portion 12 comprises a substantially rectangular body which is provided with an opening extending from one side down to the bottom and across the major portion or all of the latter. The lower portion is thus adapted to be readily closed by any conventional fastening means such as a slide fastener indicated at 30. The arrangement is such that when the slide fastener is moved downwardly along the side of the device which is opposite the hinge 22, then along the bottom to the end of its travel, access may be had to the interior of the lower portion 12, and the complementary sections of the rigid top portion may be swung open as shown in Figure 2 whereby the device may be opened substantially flat, as desired, to permit full access to the interior of the case.

When the device is closed, it will be apparent that the closure of the slide fastener 30, with the slide of the same being positioned at the upper part of the lower portion 12 and adjacent the bottom of the upper portion 10 as shown in Figure 1, will to some extent contribute towards maintaining the hinged sections of the top portion in their closed position. However, additional means are provided for releasably and resiliently retaining the hinged sections in closed relation.

For this purpose, the side wall 16 of one of the sections is provided with a laterally extending projection 32 disposed within the section and which cooperates with a pair of resilient blades or fingers 34 carried by the side wall 16 of the other section of the top portion. The arrangement is such that when the sections of the top are closed the projection 32 is resiliently received and retained within the fingers 34.

As shown in Figures 1 and 3, a handle or knob 36 is secured to the exterior surface of one of the sections of the top portion, this knob being mounted upon the opposite top section from that which carries the mounting brackets 24. This knob will facilitate the opening of the hinged sections with the necessary disengagement of the fastening means 32, 34.

As so far described, it will now be readily seen that the device, especially when empty, may be readily folded into a small and compact space as by wrapping the pliable lower portion 12 about the rigid upper portion 10. However, in use, the depending lower portion will provide adequate storage capacity for receiving a plurality of ties.

A support rod assembly is provided within the tie case for compactly, conveniently but excessively carrying a plurality of ties. Preferably this support assembly is housed and mounted entirely within the rigid top portion 10. The assembly includes a support block 38 secured in one of the sections against a top wall 14, an end wall 18 and a side wall 16 at their junction. Mounted upon the face of the block 38 is a metallic plate or bracket 40 upon which is hingedly supported by a plurality of integral outwardly struck cylindri-

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cal hinge cylinders 42, 44 and 46 which are spaced both vertically and laterally with respect to each other, a plurality of support rods 48, 50 and 52 having perpendicularly disposed downturned ends which are pivotally received in the hinge cylinders or sockets 42, 44 and 46, respectively. The support rods extend across substantially the entire length of the chamber provided within the rigid top portion of the tie case, and at their outer ends are inclined slightly upwardly as at 54.

The plurality of ties, hung upon the various support rods are normally retained against one side of the tie case in the interest of compactness and to permit relative movement of the ties within the case to minimum wrinkling and the like, as by a fastener 56 which may conveniently consist of a strap of pliable or flexible material which is secured to the support block 38 and has a hook 58 at its other extremity for engagement with a corresponding hook or seat carried by the wall 20.

As suggested in Figures 3 and 5, this flexible retainer 56 will hold the ties which depend from the support rods, against the side wall 16 of the rigid top portion at one side of the case, assisting thus in preventing relative movement of the ties within the case.

From the foregoing, it is believed that the construction and operation of the device together with its many advantages will be readily apparent and a further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art after a consideration of the foregoing specification and accompanying drawings, it is not desired to limit the invention to the exact construction shown and described, but all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A tie rack comprising a case having a rigid upper portion and a pliable lower portion, support rods in said case for holding ties, said upper portion including complementary hinged sections each having a top, side and pair of end walls, said upper portion constituting a closure for the upper end of the flexible lower portion, said upper portion having a bracket therein at one end thereof, said support rods being hingedly mounted on said bracket, said bracket being secured in one of said sections on an end and side wall thereof.

2. A tie rack comprising a case having a rigid upper portion and a pliable lower portion, support rods in said case for holding ties, said lower portion comprising a bag of pliable material secured to said rigid upper portion, an opening in one side and the bottom of said bag, a slide fastener for closing said opening, said upper portion including complementary sections each having a top, side and pair of end walls, said sections being hingedly connected at one end wall of each, whereby said sections and said bag may be folded into open or closed positions, said support rod being hingedly mounted on a bracket, said bracket being secured in one of said sections on an end and side wall thereof.

3. A tie rack comprising a case having a rigid upper portion and a pliable lower portion, said upper portion including complementary sections each having a top, side and pair of end walls, said sections being hingedly connected at one end wall of each, a bracket secured in one of

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said sections on one end and side wall thereof, support rods for holding ties hingedly mounted on said bracket, and a retainer mounted on the section to which the bracket is secured for holding ties mounted on said support rods against one side of the case.

4. A tie rack as recited in claim 3 wherein the bracket for the support rod is mounted on the end of the one section adjacent the hinge connection.

5. A tie rack as recited in claim 3 wherein the pliable lower section comprises a bag secured to said rigid upper portion adjacent the lower edge of the side and end walls thereof, an opening in one side and the bottom of the bag, and a slide fastener for closing said opening.

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