

Aug. 20, 1935.

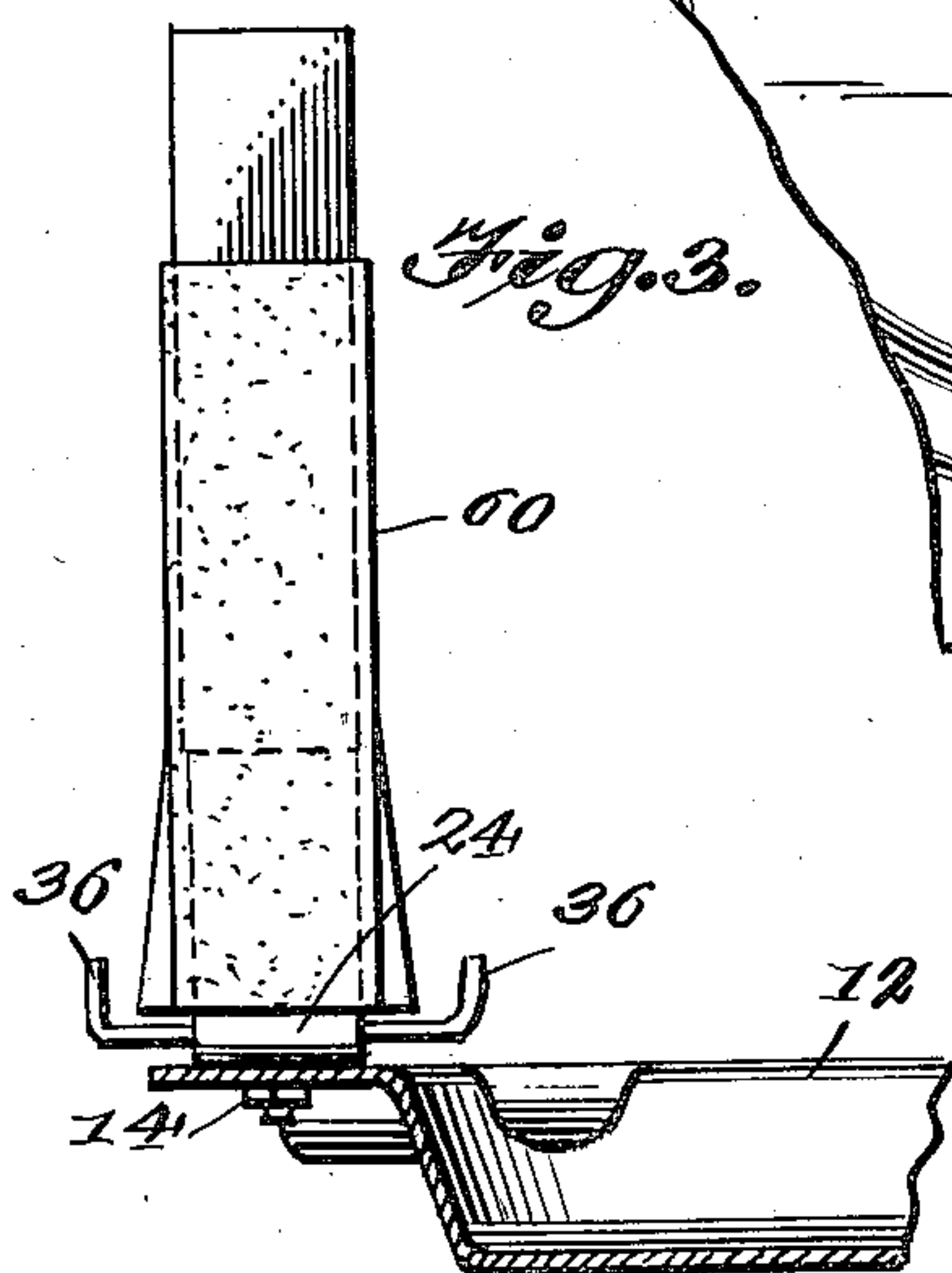
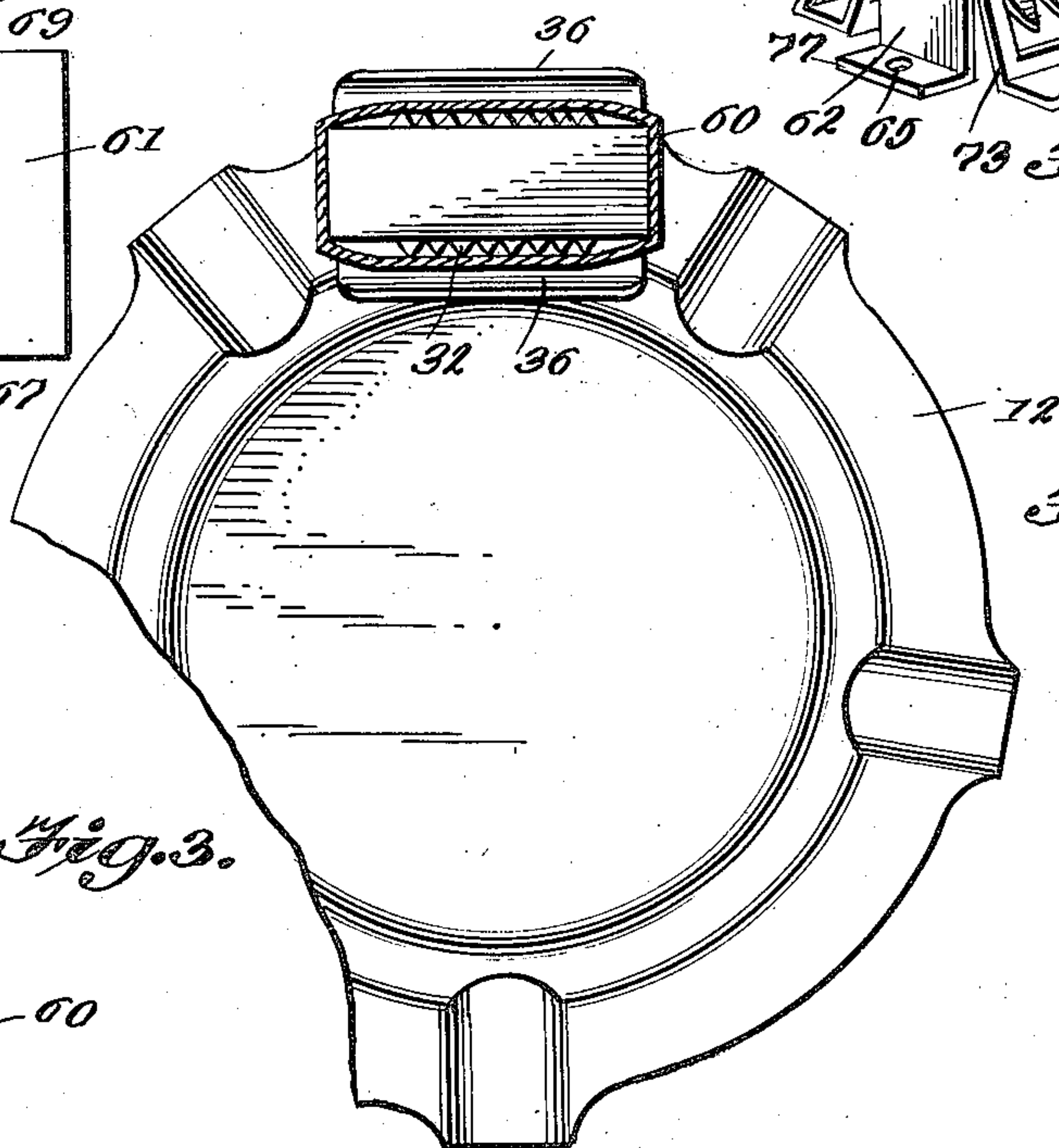
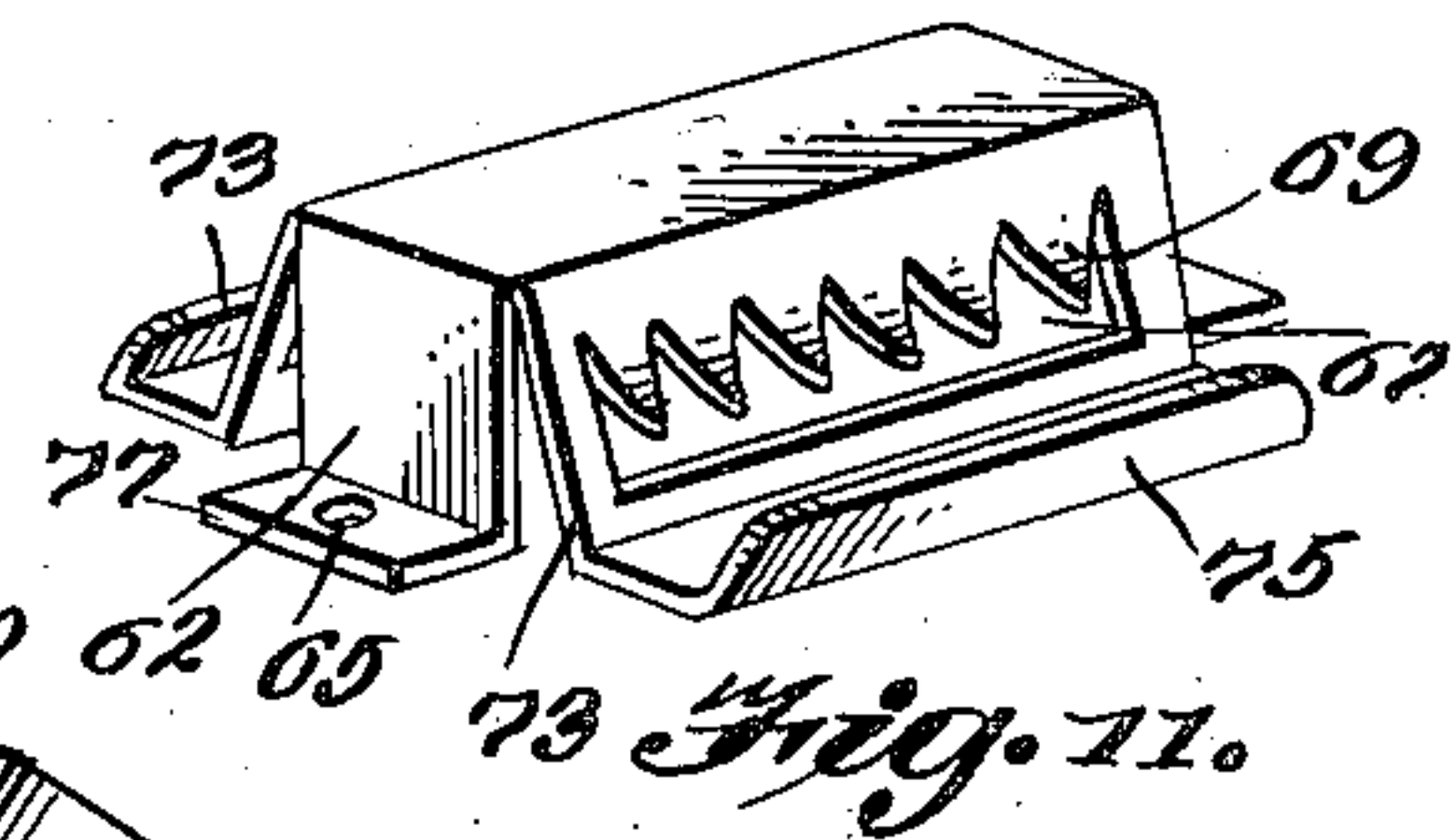
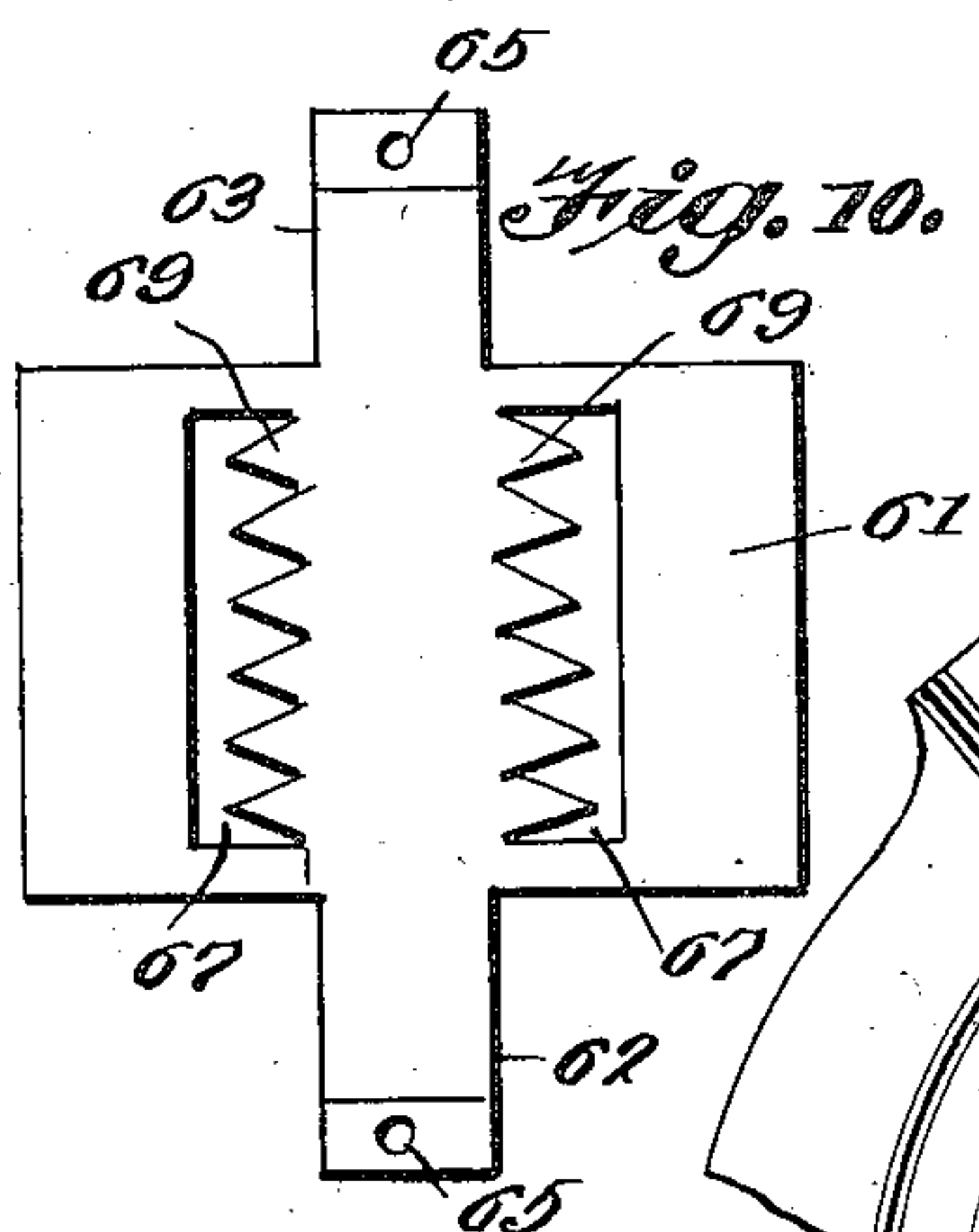
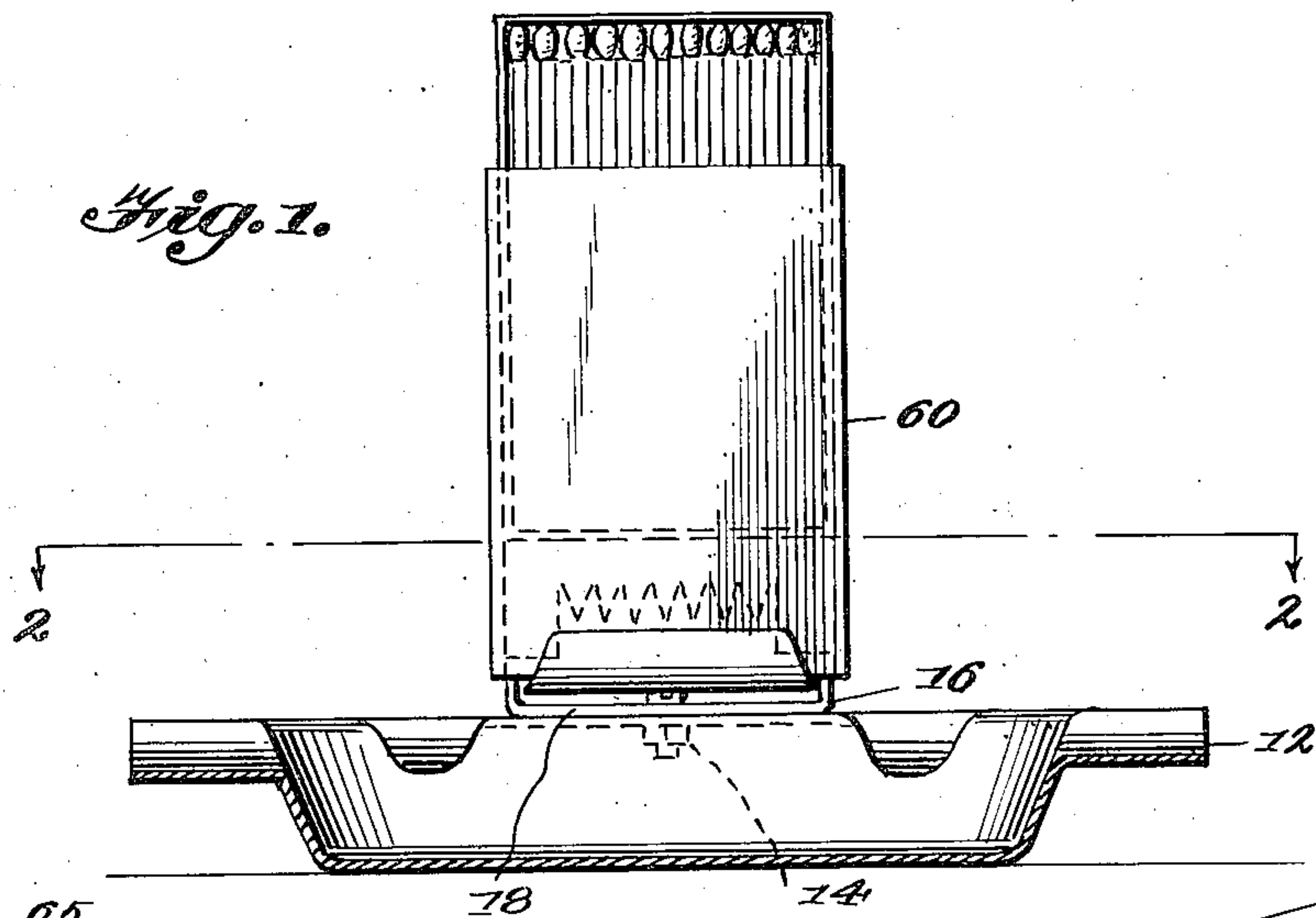
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2,012,253

MATCH BOX SUPPORT

Filed July 13, 1933

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig. 4.

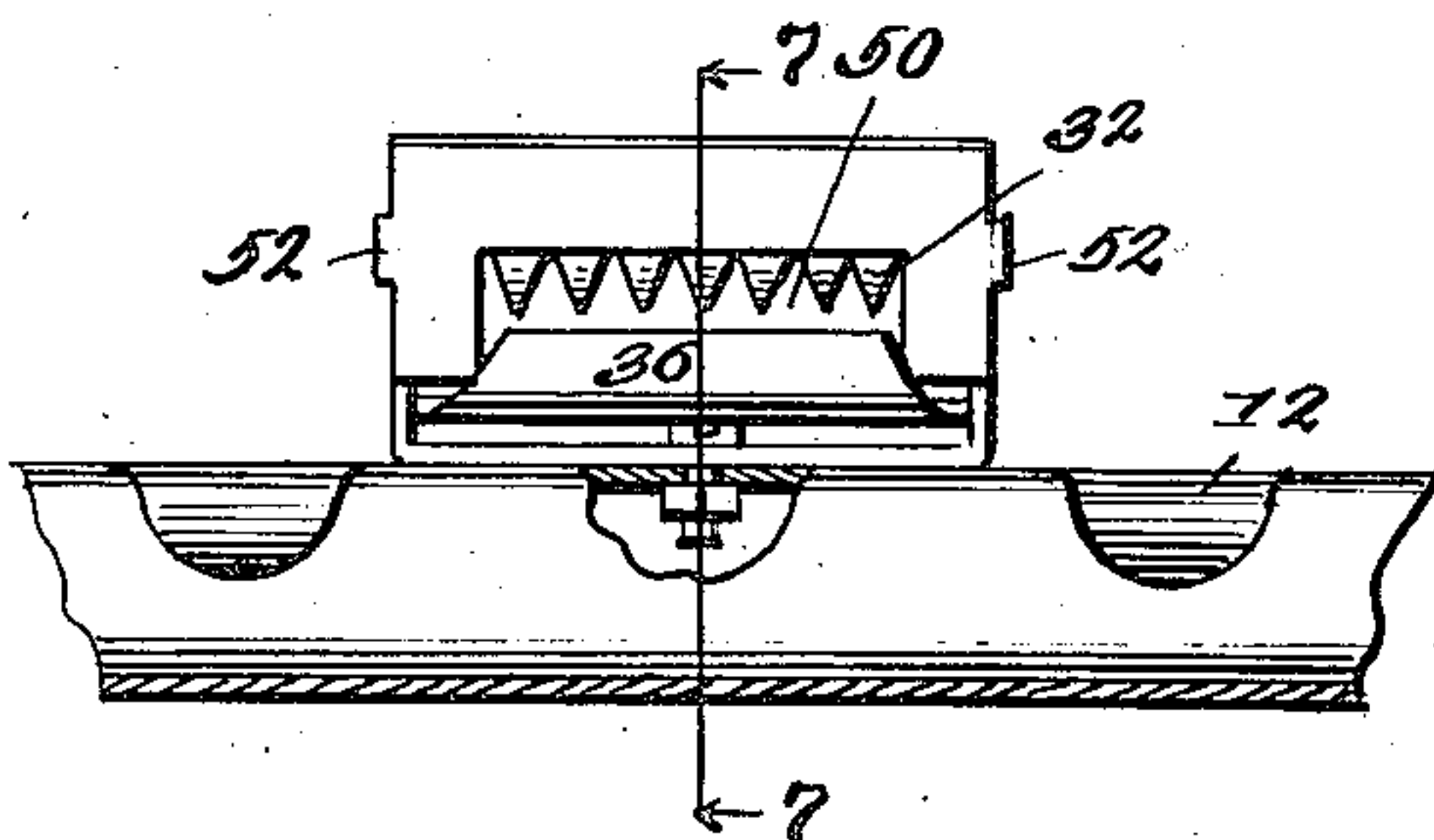


Fig. 5.

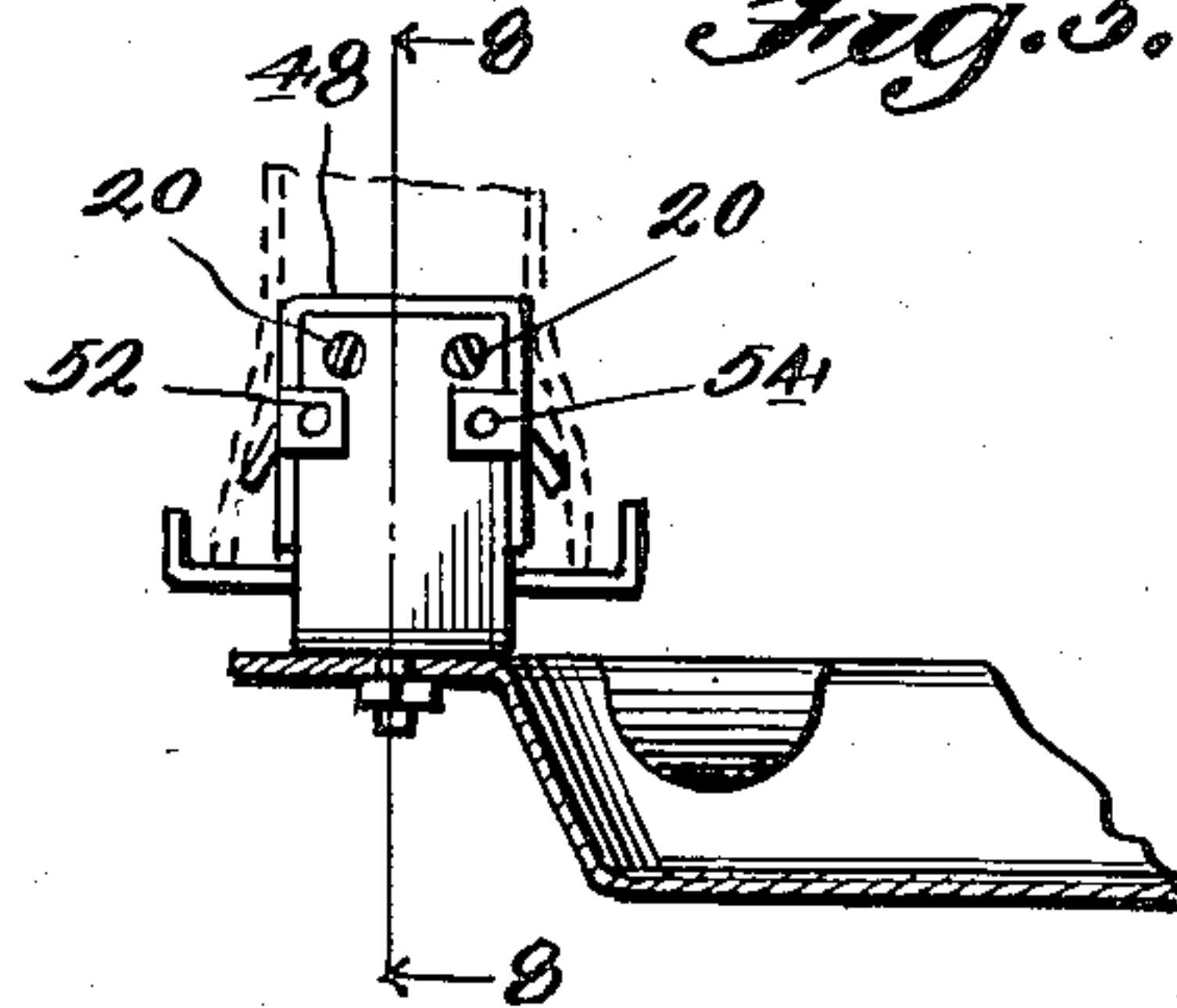


Fig. 6.

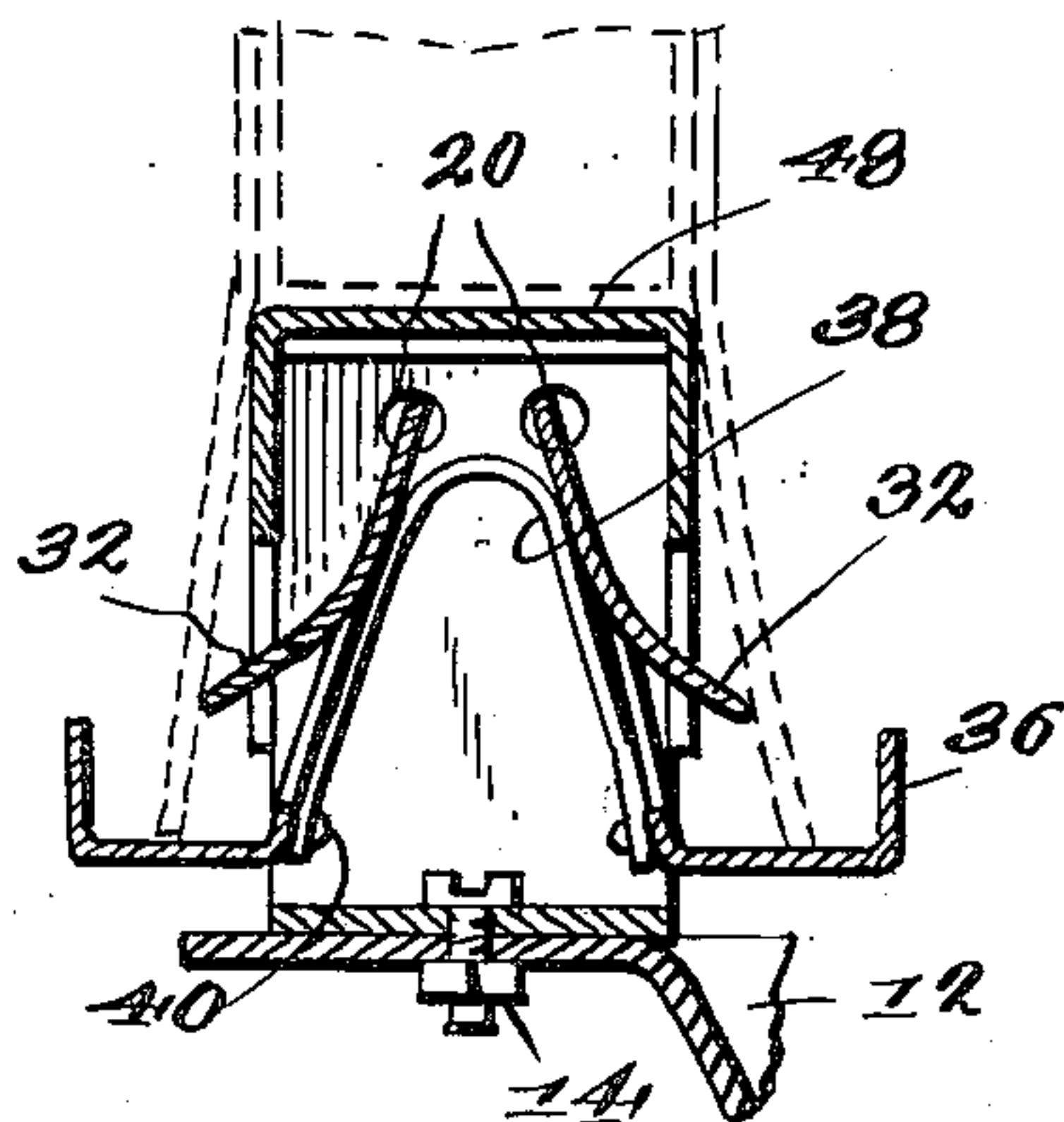


Fig. 7.

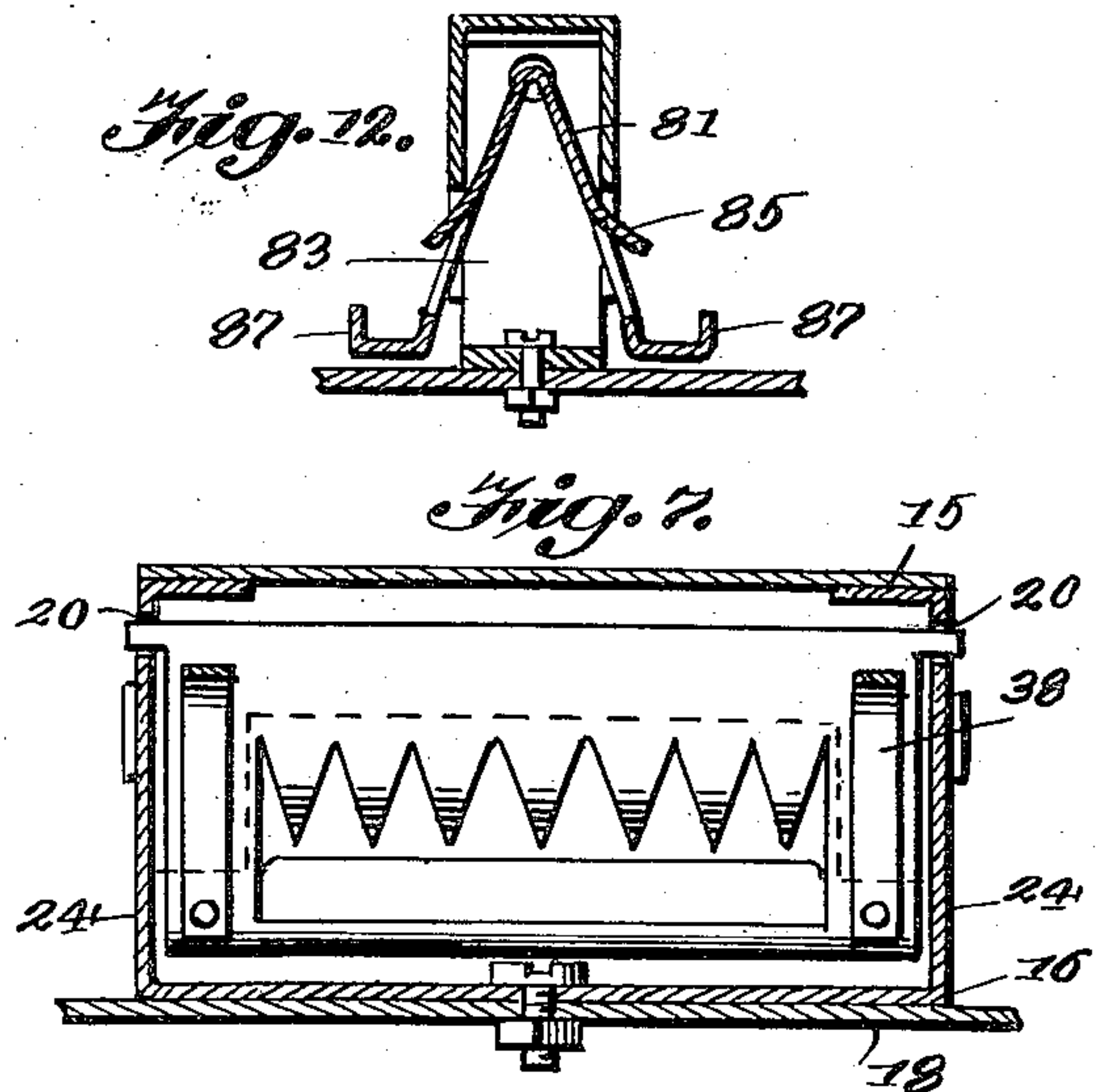


Fig. 8.

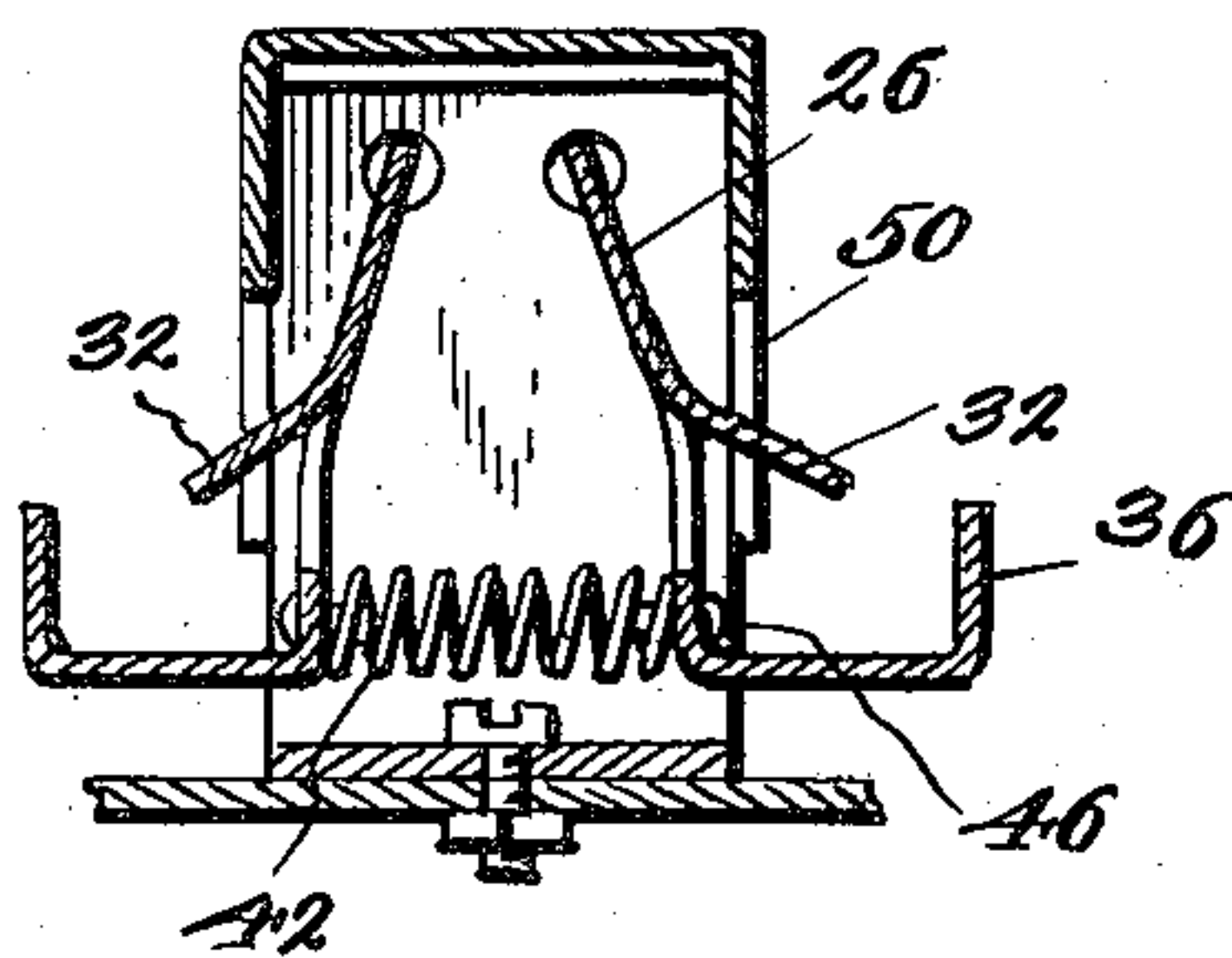
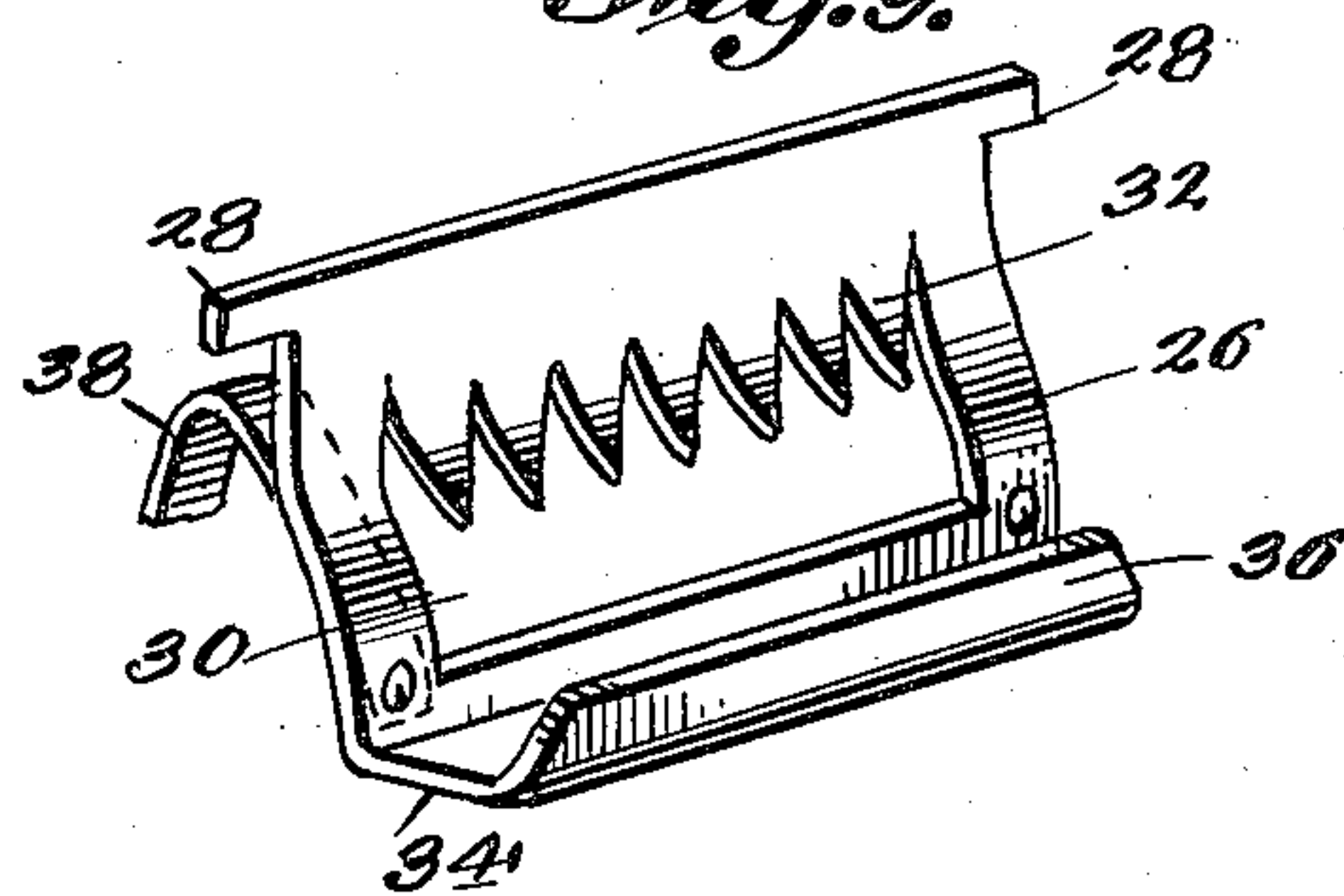


Fig. 9.



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MATCH BOX SUPPORT

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7 Claims. (Cl. 206—31)

The present invention relates to a smoking tray or stand and more particularly, to a device fastened thereto for securely holding a box or a package of matches in place thereon.

Heretofore, smoking stands or trays have been constructed with integral bosses or other means thereon on which a box of matches are adapted to be slid over and held in an upright position. Such a device has the disadvantage that the box of matches is not only easily removed therefrom during normal usage of the tray, but also in many instances, the tray is moved through the medium of grasping the box of matches, resulting in the falling of the tray therefrom, spilling the contents of the tray on the floor. Furthermore, it is impossible in a structure of this character to strike the matches on the box secured to the tray without holding the box in an upright position.

It is therefore one of the objects of the present invention, to provide in combination with an ash tray or a smoking stand, a device which will securely grip and hold a box of matches in position thereon.

It is a still further object of the invention to provide a device for holding a box of matches in an upright position on a tray in such a manner that the matches may be easily removed therefrom.

A still further important object of the invention is to provide a match box holding device which will securely maintain a box of matches in an upright position for using the matches therefrom and which may be easily removed from the device by a simple operation.

A still further object of the invention is to provide a device of this character which may be used separately for supporting a box of matches in its open usable position at any place desired.

Other objects, including simplicity of construction and low cost of manufacture, will become apparent during the course of the following description, when taken in connection with the accompanying drawings, wherein like numerals are employed to designate like parts throughout the same, and in which,

Figure 1 is a front elevational view of an ash tray showing the match box gripping and supporting device secured thereto,

Figure 2 is a horizontal sectional view of Figure 1, taken on line 2—2 looking in the direction of the arrows,

Figure 3 is a fragmentary side elevational view of Figure 1,

Figure 4 is a fragmentary front elevational view of an ash tray showing the device secured there-

on with the box of matches removed therefrom,

Figure 5 is a side elevational view of the device illustrated in Figure 4,

Figure 6 is a fragmentary vertical sectional view of Figure 4 taken on line 7—7 looking in the direction of the arrows,

Figure 7 is a longitudinal vertical sectional view taken on line 8—8 of Figure 5, looking in the direction of the arrows,

Figure 8 is a fragmentary vertical sectional view illustrating a modified form of spring mechanism which may be employed,

Figure 9 is a fragmentary perspective view of one of the gripping jaws,

Figure 10 is a plan view of a blank piece of material from which a modified form is constructed,

Figure 11 is a perspective view of the device formed from the blank piece of material illustrated in Figure 10, and

Figure 12 is a vertical sectional view of a further modified form of the invention wherein the gripping jaws are formed from a single piece of resilient material.

In the accompanying drawings, wherein for the purpose of illustration, there is shown a preferred embodiment of the invention, the reference numeral 12 generally designates an ash tray which may be of any size, or of any configuration. On the upper edge portion of the tray 12 there is securely fastened by means of a bolt 14, the match box gripping device. The match box gripping device comprises an upstanding U-shaped support 16, the bight portion 18 of which is provided with a centrally disposed aperture for connecting the same to the tray 12 through the medium of the screw-threaded bolt 14.

Spaced, oppositely disposed apertures 20 are provided in the upper portions of each of the upstanding arms 24 of the support 16 and the upper ends are bent inwardly at 15. As clearly illustrated in Figures 5 and 8 a pair of gripping jaws 26 are pivotally mounted in the apertures 20 in the upstanding members 24 through the medium of the laterally extending projections 28.

The gripping jaws are formed from a blank piece of material, the central portion 26 being curved downwardly and the lower portion extending laterally at 34 and being bent upwardly at 36 to form an actuating handle.

The central portion of the jaws are cut away at 30 the upper edge of the cut-out portion being formed with teeth 30 which extend downwardly and outwardly from the curved portion 26 of the jaws for a purpose which will be hereinafter more fully described.

As clearly illustrated, the gripping jaws are pivotally mounted in the upstanding supports and are maintained in their normal outward position by means of spaced substantially V-shaped springs

38 which are secured to the lower portions of each end of the gripping jaws by means of the rivets 40.

It is believed to be obvious that it is not necessary to employ the use of a V-shaped resilient member 38 but if so desired, coil springs such as illustrated in Figure 9, may be used. The coil springs 8 are secured to the lower portion of each side of the gripping jaws by means of the rivets 46.

A U-shaped cover 48 is securely fastened to the upstanding arms 24 of the support 16 and the side portions of the cover 48 are provided with centrally disposed rectangular shaped recesses 50 through which the gripping teeth 32 normally project. The cover 48 is secured to the support 18 by means of the integral oppositely disposed ears 52 which are securely fastened to the upstanding members of the support 16 by means of rivets 54 or the like.

As clearly illustrated in the drawings, the springs 38 or if so desired, the coil spring 42, normally maintain the gripping jaws in their outermost gripping position to the end that the gripping teeth 32 project through the rectangular shaped openings 50 in the cover 48 and upon the placing of a box of matches 60 such as illustrated in Figure 1, upon the device, the teeth 32 of the gripping jaws 26 grasp the inner sides of the box 60 thereby firmly maintaining the same in position thereon. It is to be noted in this connection that in this gripping position the drawer portion of the match box is extended to permit of the easy removal of the matches therefrom.

It will thus be seen that the gripping jaws 26 which have their gripping teeth 32 forced into abutting engagement with the inner sides of the jaws 60 by means of the resilient springs interposed between the jaws secure the box in position on the support in such a manner that a match may be struck on the box without fear of causing the same to become loosened therefrom or if so desired, the tray may be moved from place to place through the medium of the match box without causing it to become displaced from the tray.

When it is desired to remove the box of matches 60 from the device, it is only necessary to move the actuating arms 36 inward against the spring pressure, thereby moving the teeth 32 of the gripping jaws out of engaging position with the inner sides of the box and subsequently remove the box therefrom. It is to be noted in this connection that the teeth 32 of the gripping jaws 26 depend outwardly and downwardly thereby presenting themselves at an angle to the inner side of the box which in the outermost position thereof will grip the side walls of the box and securely hold it on the support.

Referring more particularly to Figure 10, there is shown a blank piece of material 61 constructed of sheet metal or the like of general rectangular shape having laterally extending rectangular shaped projections 63 provided with apertures 65. The central portion of the blank 61 is cut away at 67 defining a plurality of gripping teeth 69. The blank piece of material is then bent to the shape illustrated in Figure 11 and the gripping jaws 69 are bent outwardly from the plane of the sides 73 and the outer portions bent laterally and upwardly defining actuating handles 75. The device may be secured to a support, or an ash tray, through the medium of the apertures 65 in the laterally disposed ears 77. The blank sheet is

obviously of resilient material and normally the sides 73 assume the position illustrated in Figure 11, whereby upon the placing of a box of matches upon the device, the gripping jaws 69 engage the inner side walls of the box firmly securing the same in position thereon. Upon the inward bending of the sides 73 by means of the actuating handle 75 the gripping jaws are caused to disengage the side walls of the box thereby permitting the same to be removed from the device.

In Figure 12, the gripping jaws 81 are shown to be constructed of a single piece of resilient material. The housing is constructed in the same manner as in the modification illustrated in Figure 5, with the exception that the upstanding support 83 is provided with a single aperture for pivotally mounting the jaws therein. The jaws are provided with downwardly and outwardly curved gripping teeth 85 and actuating handles 87 which extend through the opening in the housing.

While there is shown for the purpose of illustration a preferred embodiment of the invention, it is to be understood that it is capable of various changes and modifications without departing from the spirit thereof, and it is intended therefore that only such limitations shall be imparted thereto as are indicated in the prior art and in the appended claims.

Having thus described the invention what is claimed is:—

1. A match box support comprising a housing, the side portions of said housing being provided with openings therein, a pair of pivotally mounted gripping jaws in said housing, having gripping teeth adapted to extend through the openings in said housings, and resilient means normally maintaining said gripping jaws in their outermost position.

2. A match box support comprising a housing, a pair of pivotally mounted gripping jaws in said housing, said gripping jaws being provided with laterally extending gripping teeth and projecting laterally from the side portions of said housing, and resilient means interposed between said gripping jaws for normally maintaining them in their outermost position.

3. A device of the class described comprising a U-shaped support, a pair of pivotally mounted gripping jaws in said support having outwardly extending gripping teeth thereon, resilient means disposed between said gripping jaws for urging them in an outward position, and stop means secured to said upstanding support limiting the outward movement of said jaws.

4. A device of the class described, comprising a U-shaped support, a pair of pivotally mounted gripping jaws in said support having outwardly extending gripping teeth thereon, resilient means disposed between said gripping jaws for urging them in an outward position, stop means secured to said upstanding support limiting the outward movement of said jaws, and said gripping jaws at their lower portions being bent laterally and upwardly defining actuating handles.

5. In combination with an ash tray, a match box support comprising a housing securely fastened to said tray, the side portions of said housing being provided with longitudinal openings therein, a pair of pivotally mounted gripping jaws in said housing having laterally extending gripping teeth adapted to, in their outermost position, project through the openings in the sides of said housing, resilient means normally urging said gripping jaws to their outermost position, said

jaws being provided with actuating handles projecting through said housing for moving said jaws inwardly.

5 6. In combination with an ash tray, an upstanding match support secured thereto, pivotally mounted gripping means secured to said support, resilient means normally urging said gripping means outwardly whereby upon the placing
10 of a box of matches upon said support the gripping means engage the side walls of the box to maintain the same in position thereon, and means for moving said gripping means out of engagement with the side walls of said box.

7. In combination with an ash tray, an upstanding match support secured thereto, pivotally mounted gripping means secured to said support, and resilient means normally urging said gripping means outwardly whereby upon the placing
5 of a box of matches upon said support the gripping means engage the side walls of the box to maintain the same in position thereon, said gripping jaws being provided with laterally extending
10 actuating handles.

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