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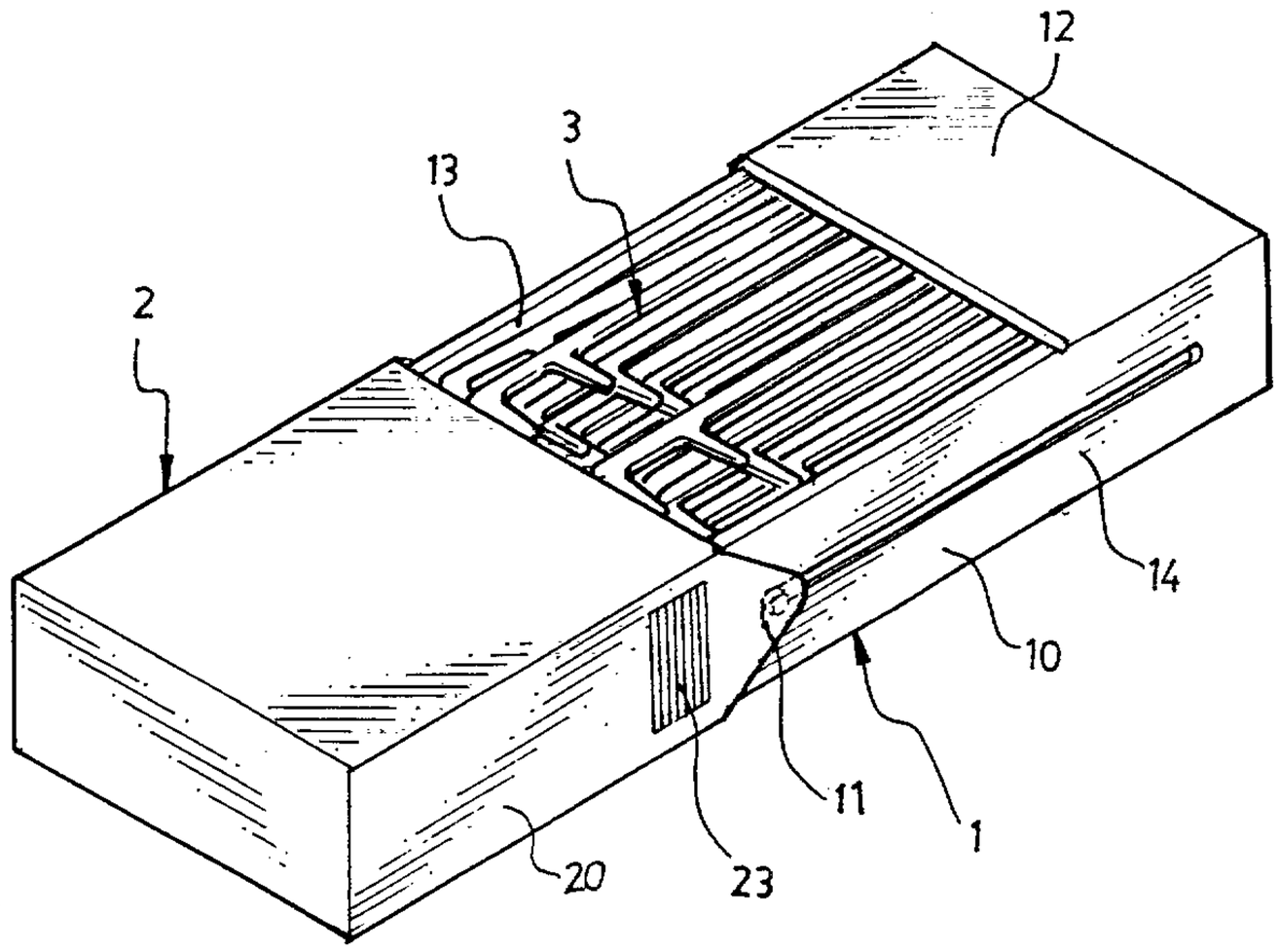
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(54) **BOITE DE RANGEMENT POUR OBJETS EN FORME DE BATONNET**

(54) **STICK OBJECT STORAGE BOX**



(57) Boîte de rangement pour objets en forme de bâtonnet, comme des bâtonnets interdentaires. La boîte, de forme rectangulaire, est surmontée d'un couvercle coulissant qui lui est rattaché à l'aide d'un raccord coulissant. Les deux côtés avant du couvercle sont munis de deux tiges internes courtes, qui se déplacent dans deux rainures de glissement longitudinales situées des deux côtés opposés de la boîte. En position ouverte et inclinée, le couvercle peut servir de support à la boîte. Pour ce faire, il suffit de faire glisser les tiges courtes dans les rainures et de tourner le couvercle par rapport à la boîte.

(57) A stick object storage box adapted for holding for example floss sticks, including a rectangular box body, and a sliding cover coupled to the box body by a slip joint, the sliding cover having two inward stub rods bilaterally disposed at the front end and moved in two longitudinal sliding grooves at two opposite sides of the box body. By moving the inward stub rods in the longitudinal sliding grooves and turning the sliding cover relative to the box body, the box body can be supported on the sliding cover in a tilted position in an open status.

ABSTRACT OF THE DISCLOSURE

A stick object storage box adapted for holding for example floss sticks, including a rectangular box body, and a sliding cover coupled to the box body by a slip joint, the sliding cover having two inward stub rods bilaterally disposed at the front end and moved in two longitudinal sliding grooves at two opposite sides of the box body. By moving the inward stub rods in the longitudinal sliding grooves and turning the sliding cover relative to the box body, the box body can be supported on the sliding cover in a tilted position in an open status.

STICK OBJECT STORAGE BOX

BACKGROUND OF THE INVENTION

The present invention relates to a stick object storage box adapted for holding for example floss sticks, and relates more particularly to such a stick object storage box which can be arranged in a tilted position on a flat surface when opened, so that the user can conveniently pick up the storage items from the box.

Toothbrushes are commonly used for cleaning the teeth. However, cleaning the teeth with a toothbrush cannot effectively remove bits of food from the teeth. In order to remove bits of food from the teeth effectively, a toothpick, floss, or floss stick may be used. When using a toothpick to remove bits of food from the teeth, the gum tends to be injured by the pointed tip of the toothpick. Furthermore, a toothpick cannot reach small gaps in the teeth. A floss stick is one of the most inexpensive and effective devices for removing bits of food from the teeth, because it achieves the effect of a toothpick and a floss. However, few restaurants would like to provide floss sticks for consumers because it is difficult to find a suitable floss stick storage box that can be conveniently opened, and set in position for easy access of the floss sticks stored therein.

SUMMARY OF THE INVENTION

It is one object of the present invention to provide a stick

object storage box which can be easily arranged in an open condition convenient for access of the storage items. It is another object of the present invention to provide a stick object storage box which can be firmly supported on a flat surface in a tilted position when opened, so that the user can conveniently pick up storage items from the box. According to the present invention, the stick object storage box is comprised of a rectangular box body, and a sliding cover coupled to the box body by a slip joint. When the sliding cover is opened, it can be turned over the front side of the box body without damaging the slip joint, and then perpendicularly attached to the bottom side of the box body, so that the box body can be supported on the sliding cover on a flat surface in a tilted position.

According to the invention, there is provided a storage box for storing and displaying items, the storage box comprising: a box body for holding the items, the box body having a generally parallelepiped configuration with a top wall and a top opening in a top side thereof, and opposite body side walls, each body side wall having a longitudinal sliding groove on an outer surface and a bottom wall; a cover slidably attached to the box body, the cover having a top cover wall for covering the top opening of said box body, the cover having two opposite cover side walls respectively fitting over the side walls of said box body, an inward stub rod respectively extending inwardly from each of the two opposite cover side walls, each stub rod slidably engaging one of the longitudinal sliding grooves of said body side walls, enabling said cover to be moved relative said box body between a first, closed position in which the top cover wall closes the top opening, a second position in which the top opening is uncovered and a portion of the cover contacts the bottom wall to support the box body in a display position,

and a third position in which the top cover wall is adjacent to the bottom wall of the box body and the top opening is uncovered; and a raised portion extending inwardly from each of the cover side walls and located so as to be forced into one of the longitudinal sliding grooves to releasably hold the cover in the first, closed position.

The sliding cover may further comprises a fluted surface portion disposed on each of the cover side walls on outer surfaces thereof to facilitate manual sliding of the cover relative to the box body.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective elevational view of a stick object storage box according to the present invention;

Fig. 2 is another elevational view of the stick object storage box according to the present invention, showing the sliding cover opened from the box body;

Fig. 3 is a cross sectional view of the stick object storage box shown in Figure 1;

Fig. 4 is still another elevational view of the stick object

storage box according to the present invention, showing the sliding cover opened and closely attached to the bottom side of the box body;

Fig. 5 is a side view in section of the present invention, showing the box body supported on the sliding cover in a tilted position; and,

Fig. 6 is another side view in section of the present invention, showing the box body supported on the sliding cover in another tilted position.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring to Figures 1, 2, and 3, a stick object storage box in accordance with the present invention is generally comprised of a box body **1**, and a sliding cover **2**. The box body **1** has a substantially rectangular shape, a top opening **13** and a top wall **12** at the top side, and two longitudinal sliding grooves **11** respectively disposed at two opposite side walls **10** thereof in the middle. The top wall **12** and the top opening **13** form the top side of the box body **1**. The size of the top wall **12** is about one third of the top side of the box body **1**, or about equal to one half of the top opening **13**. Through the top opening **13**, storage items for example floss sticks **3** can be put in the box body **1** or removed therefrom. The sliding cover **2** is adapted for covering over the top opening **13**

of the box body **1**. When the sliding cover **2** is covered on the top opening **13** of the box body **1**, it is disposed in flush with the top wall **12** of the box body **1**. The sliding cover **2** comprises two inward stub rods **21** respectively raised from two opposite side walls **20** thereof on the inside near the front end, and respectively moved in the longitudinal sliding grooves **11** of the box body **1**. By moving the inward stub rods **21** in the longitudinal sliding grooves **11** between two opposite ends, the sliding box **2** can be set in the close position as shown in Figure 1, or an open position as shown in Figure 2. The sliding cover **2** further comprises two raised portions **24** respectively raised from the two side walls **20** on the inside near the rear end (remote from the stub rods **21**), and two fluted surface portions **23** respectively disposed at the side walls **20** on the outside adjacent to the front end. Through the fluted surface portions **23**, the sliding cover **2** can be conveniently moved with the hand along the longitudinal sliding grooves **11** of the box body **1**. When the sliding cover **2** is moved into the close position as shown in Figure 1, the raised portions **24** are respectively forced into the longitudinal sliding grooves **11** of the box body **1** to hold the sliding cover **2** in the close position.

Referring to Figure 4 and Figure 2 again, when the sliding cover **2** is moved to the open position shown in Figure 2, it can be

turned downwards over the front side **15** (see also Figure 1), and then turned upwards over the bottom side **16** (see also Figure 5) of the box body **1**, and then closely attached to the bottom side **16** of the box body **1**.

Referring to Figure 5 and Figure 2 again, when the sliding cover **2** is moved to the open position shown in Figure 2, it can be turned downwards over the front side **15** (see also Figure 1) of the box body **1** and set perpendicular to the bottom side **16** (see also Figure 5) of the box body **1** to force the front edge **22** (see also Figure 1) into engagement with the bottom side **16** of the box body **1**, so that sliding cover **2** and the box body **1** can be supported on a flat surface against each other, permitting the box body **1** to be maintained in a tilted position.

Referring to Figure 6 and Figure 2 again, when the sliding cover **2** is moved to the open position shown in Figure 2, it can be turned downwards over the front side **15** (see also Figure 1) of the box body **1**, and then the stub rods **21** can be moved along the longitudinal sliding grooves **11** of the box body **1** from one end to the other, so that sliding cover **2** can be placed on a flat surface in a horizontal position to support the box body **1** in a tilted position.

While only one embodiment of the present invention has been shown and described, it will be understood that various

modifications and changes could be made thereunto without departing from the spirit and scope of the invention disclosed.

CLAIMS

1. A storage box for storing and displaying items, the storage box comprising:

a box body for holding the items, the box body having a generally parallelepiped configuration with a top wall and a top opening in a top side thereof, and opposite body side walls, each body side wall having a longitudinal sliding groove on an outer surface and a bottom wall;

a cover slidably attached to the box body, the cover having a top cover wall for covering the top opening of said box body, the cover having two opposite cover side walls respectively fitting over the side walls of said box body, an inward stub rod respectively extending inwardly from each of the two opposite cover side walls, each stub rod slidably engaging one of the longitudinal sliding grooves of said body side walls, enabling said cover to be moved relative said box body between a first, closed position in which the top cover wall closes the top opening, a second position in which the top opening is uncovered and a portion of the cover contacts the bottom wall to support the box body in a display position, and a third position in which the top cover wall is adjacent to the bottom wall of the box body and the top opening is uncovered; and

a raised portion extending inwardly from each of the cover side walls and located so as to be forced into one of the longitudinal sliding grooves to releasably hold the cover in the first, closed position.

2. The storage box of claim 1 wherein said sliding cover further comprises a fluted surface portion disposed on each of the cover side walls on

outer surfaces thereof to facilitate manual sliding of the cover relative to the box body.

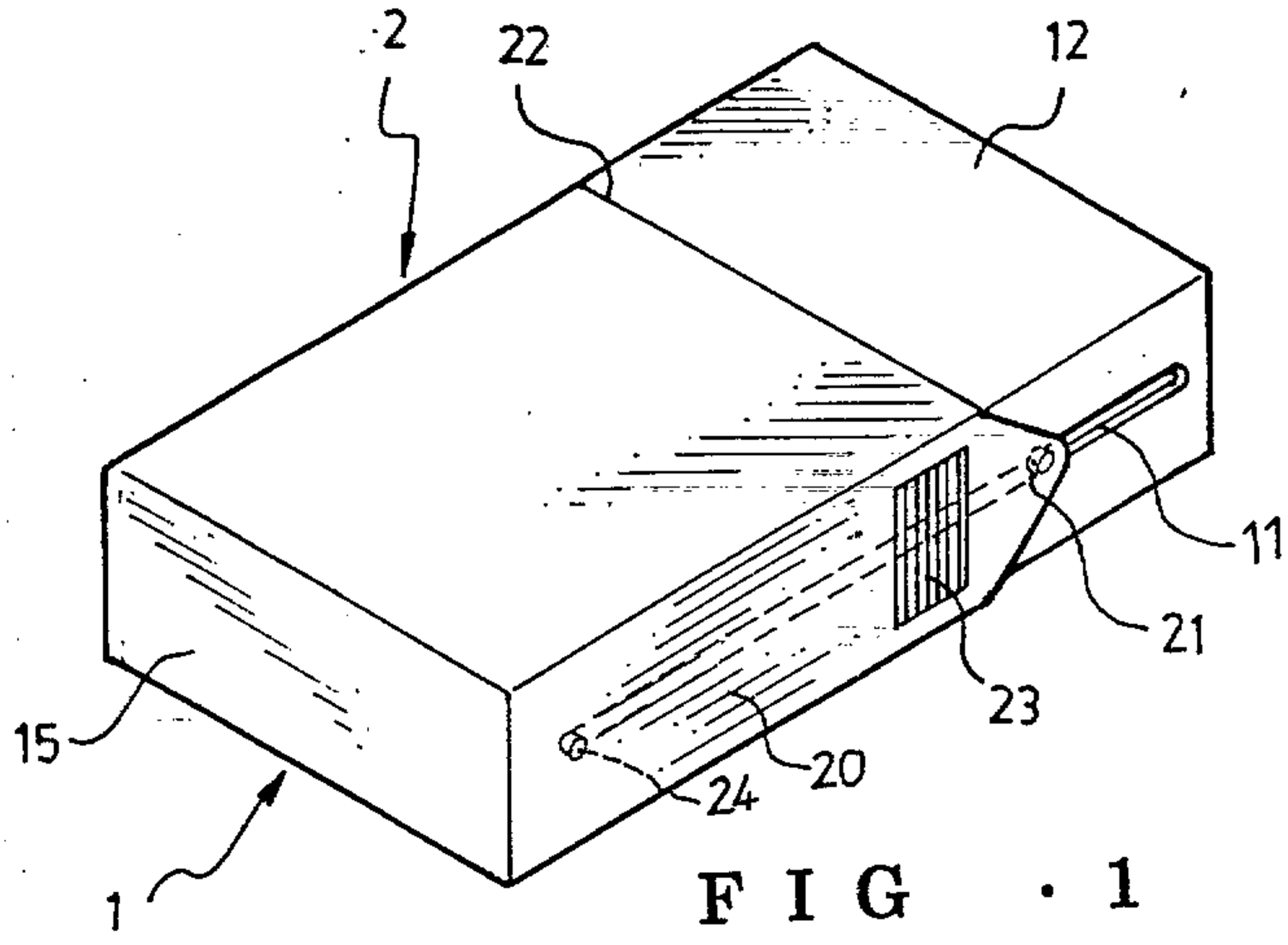


FIG · 1

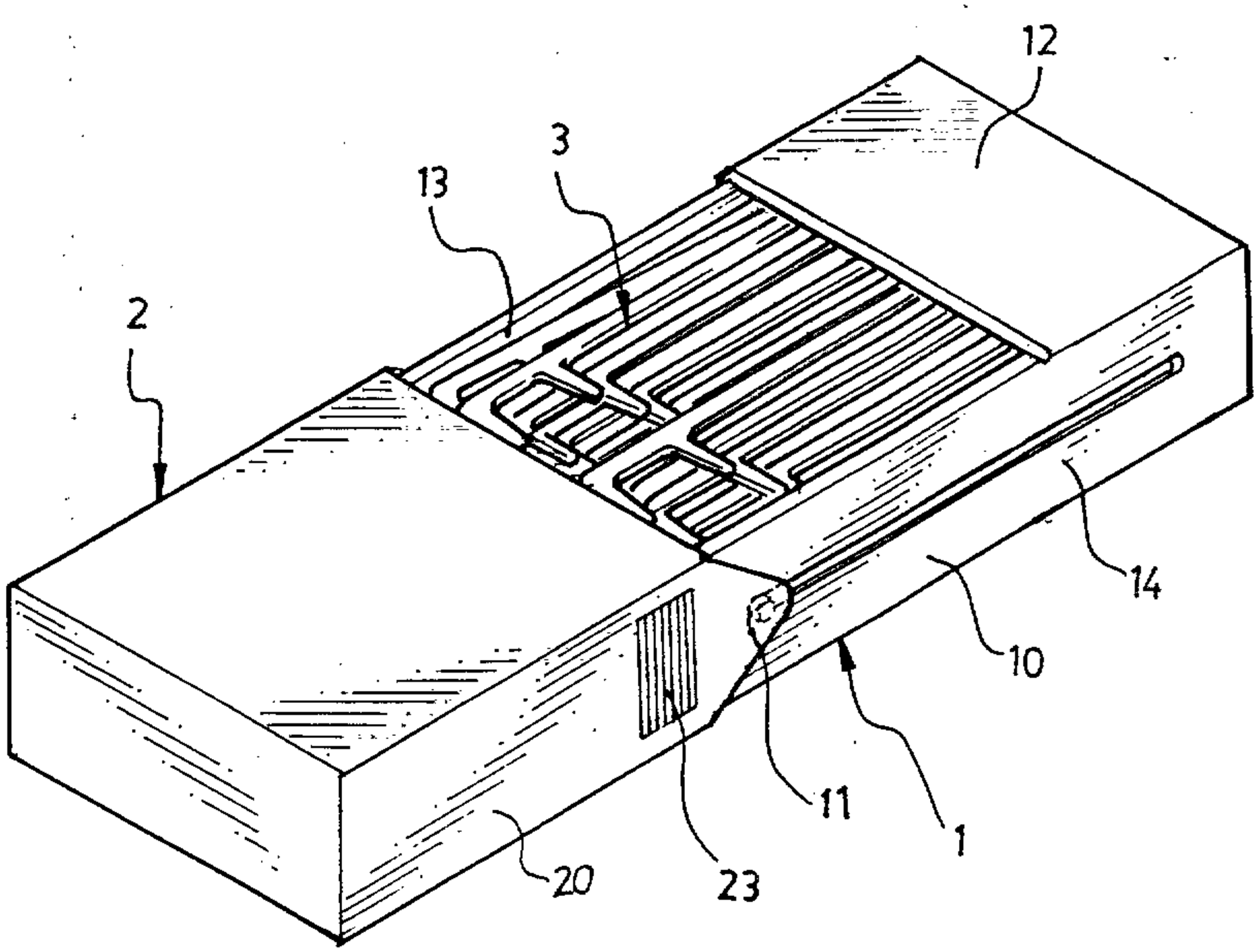


FIG · 2

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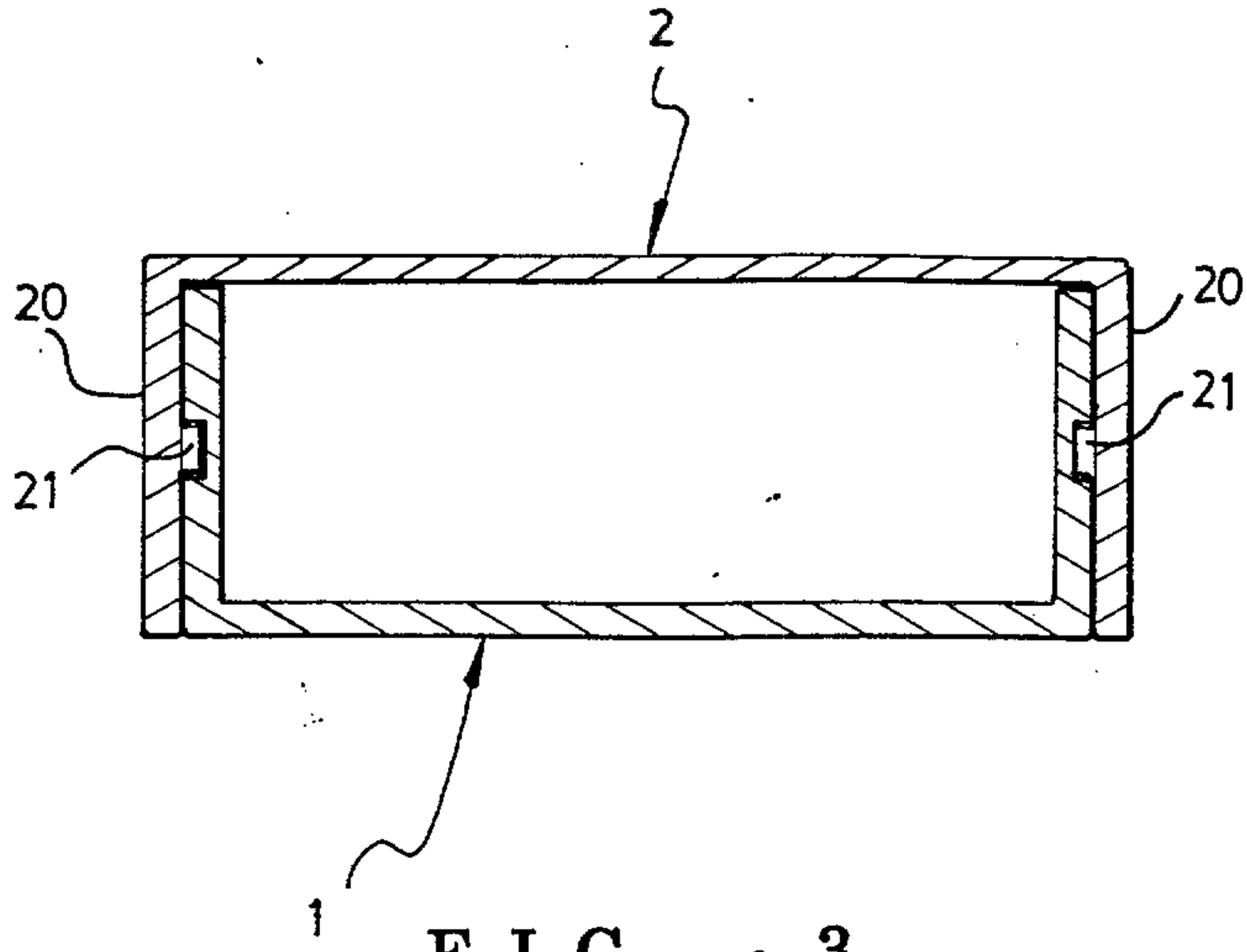


FIG · 3

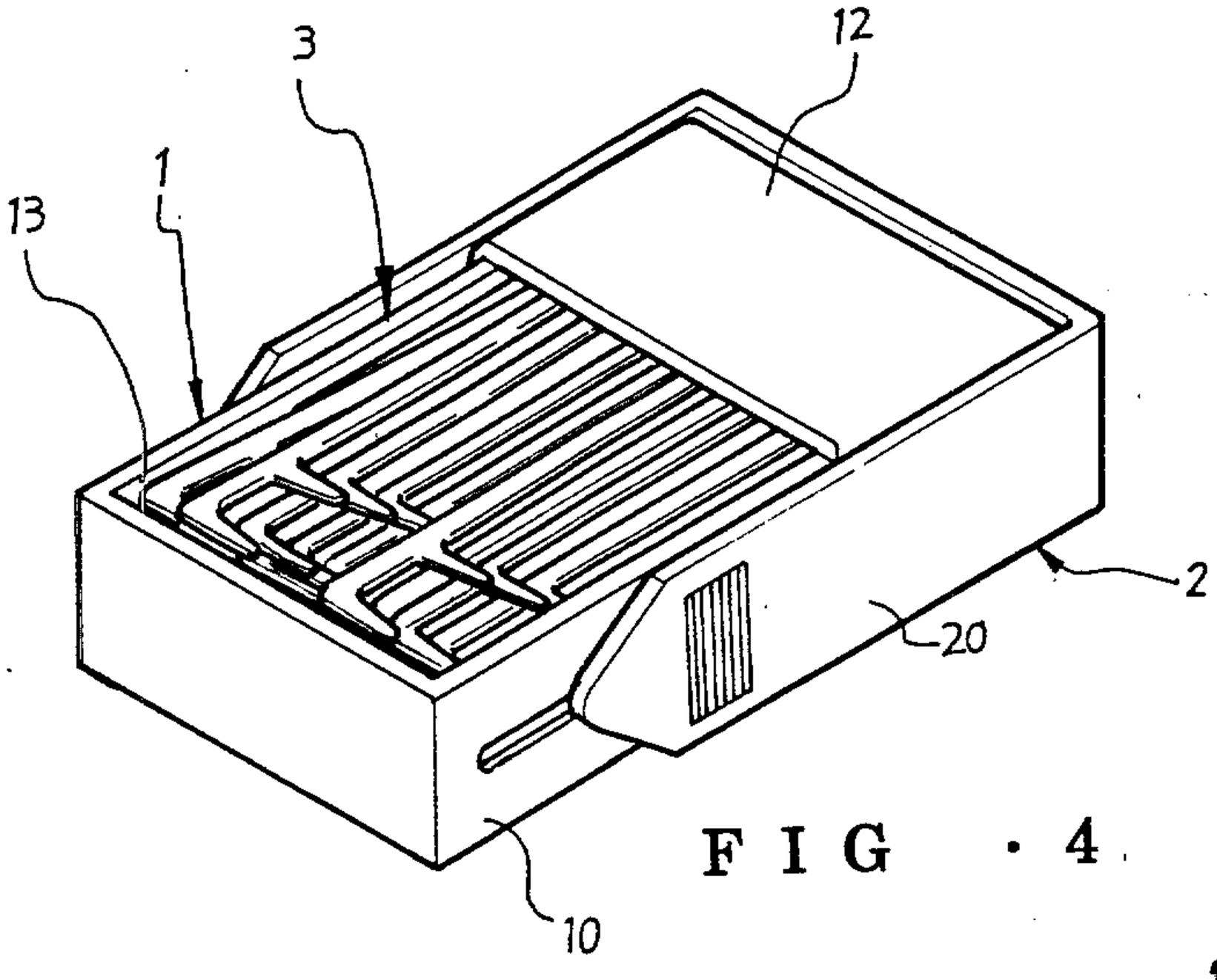


FIG · 4

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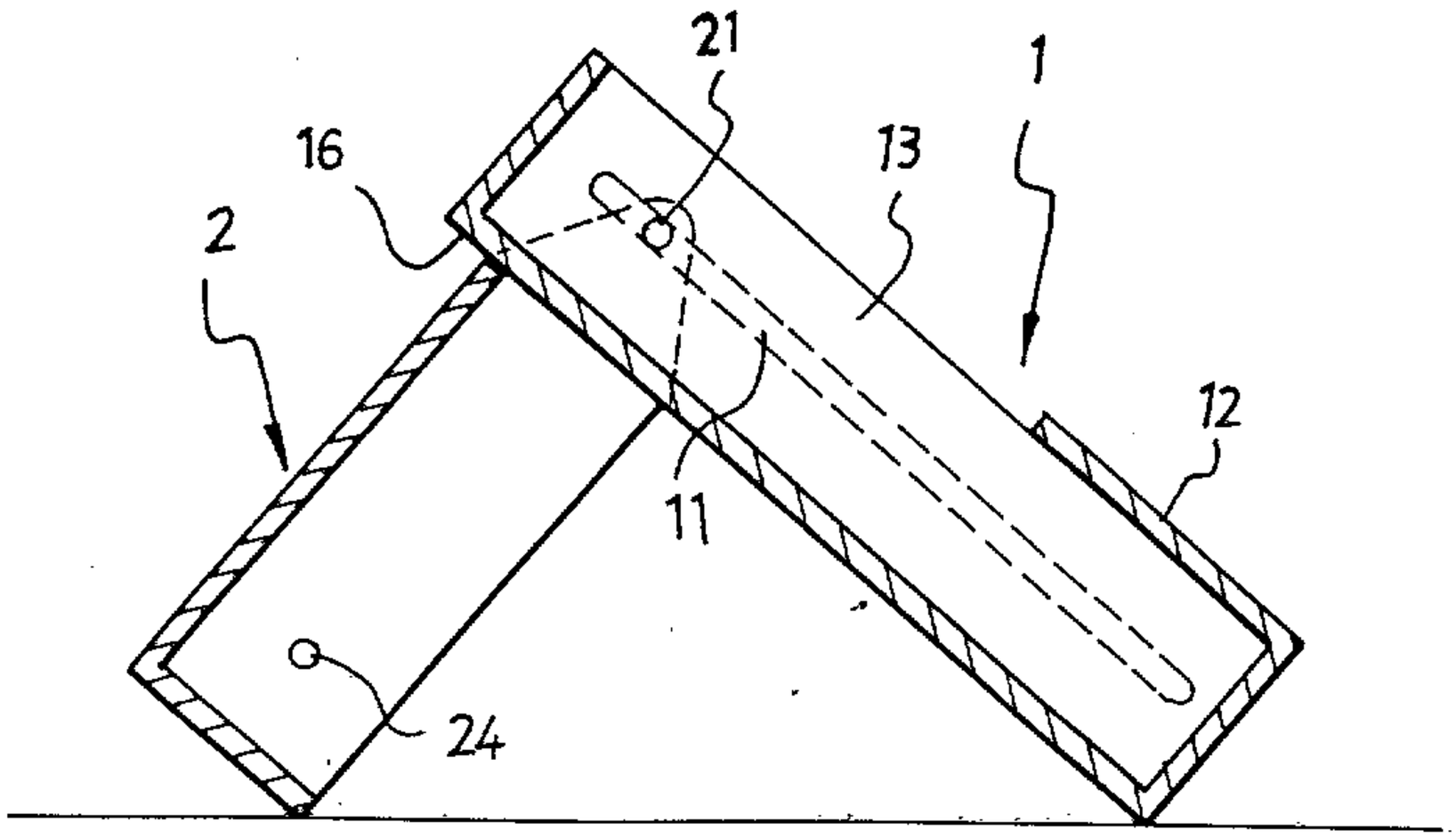


FIG · 5

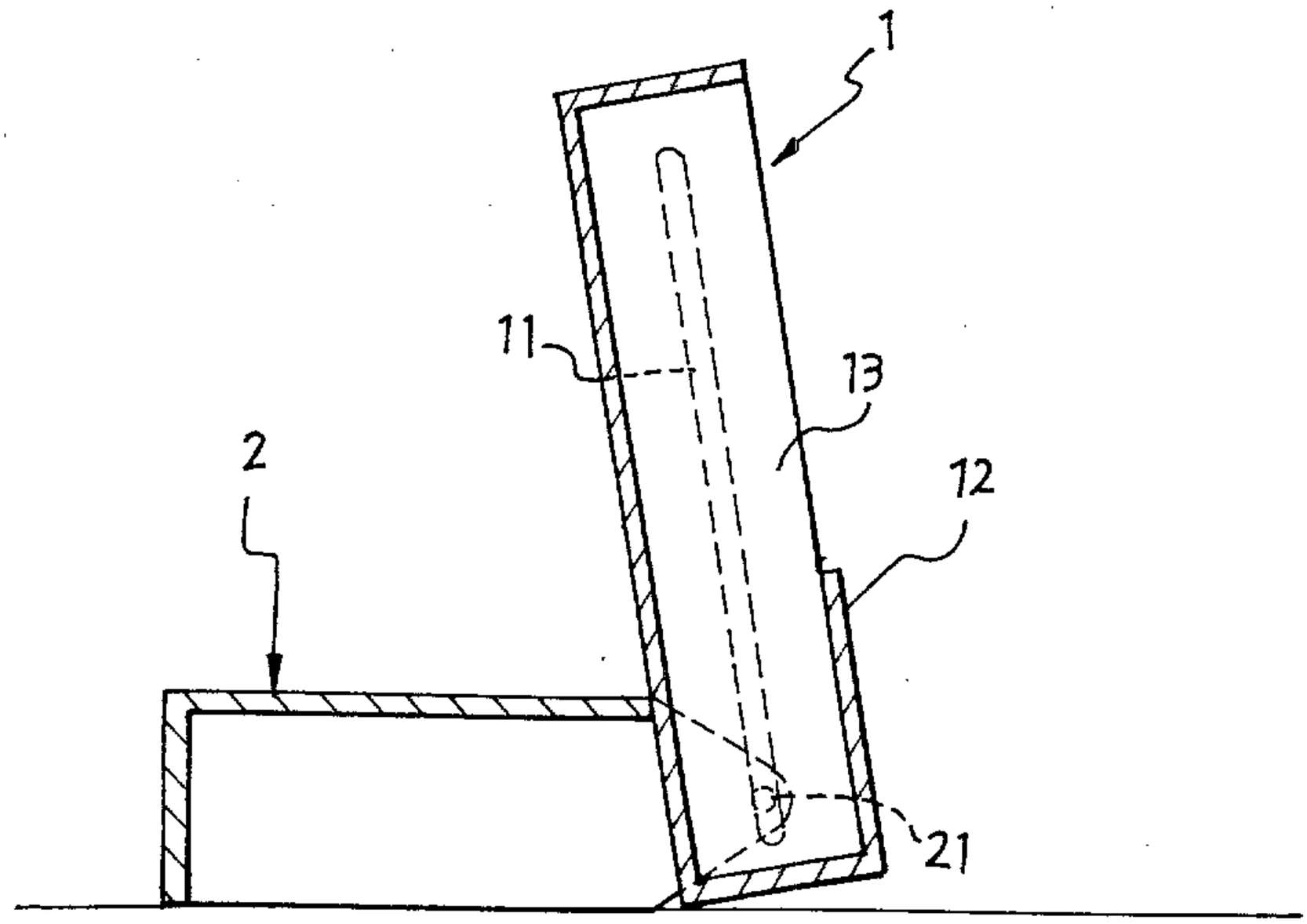


FIG · 6

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