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(54) **DEVICE FOR CONTAINER FOR LIQUID PRODUCTS**

HALTER FÜR FLÜSSIGKEITSBEHÄLTER

DISPOSITIF POUR RECIPIENT DESTINE A CONTENIR DES PRODUITS LIQUIDES

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Description

[0001] The present invention relates to a device for a holder for a container for liquid products. Such a container can have the character of a bag having a sealing member attached or screwed on to it in some known manner, which sealing member usually has the character of a short cylinder and an opening nozzle. The cylinder itself contains a member for dispensing the contents of the container. This member is influenced by manual movement in the form of a transversal force applied to a yielding part in the sealing member. The dispensing member usually consists of a pump device. The container can also have the character of a bottle of any desired shape. Such a container is usually placed upside down with the sealing member directed downwards. The container with the sealing member is then usually placed in a holder having a movable lever that in one way or another can influence the dispensing member manually. Said holder has usually consisted of a wire frame and this is manufactured easily and simply by wire bending and by certain welding procedures. Because of the high labour costs, holders consisting of wire frames are relatively expensive and it is desirable to reduce the costs of holders.

[0002] A holder for containers of the kind mentioned above that is distinctly less expensive to manufacture than one of a wire frame is known from SE-463 902 B. This is achieved by using a rectangular plate that is provided in its longitudinal direction with a through-cut slot. The plate is deformed in the shape of a U and the portion on one side of the slot has thereafter been deformed inwards so that a tube-shaped passage is obtained for the cylindrical sealing member with the dispensing member. The sealing member is supported by the deformed plate on two opposite sides and, further, the dispensing member is exposed, thanks to a portion of the plate being deformed inwards. A lever is attached to the deformed plate and has a part contacting the yielding dispensing member.

[0003] The present invention is distinguished from this known device by the features mentioned in the characterizing part of claim 1. Thus it enables the evacuation of a container of liquid products in cases where the container has a relatively long discharging tube. This is achieved by the container with the long tube being placed in the holder in such a way that the greater part of the long tube becomes exposed and, further, that the influencing member has a longer portion that can be brought into contact with substantially the entire tube.

[0004] A further development of the present invention is the arrangement, above the holder, of a tube-like unit that can be attached to a wall, which tube-like unit can have various cross-sections. It can be made of any suitable material whatsoever and the surface layer of the material can be smooth. The surface layer can alternatively consist of a number of vertical rods spaced from each other and the unit can alternatively be formed by

a net.

[0005] An additional object of the invention is to create a casing designed in such a way that it prevents the theft of a container filled with a liquid product. Said casing consists of a flat plate provided with two flanges. This plate is suitably attached to a wall. A curved outer part is arranged on said plate with flanges, the bottom part of the outer casing being journaled on the flanges in such a way that the journalling members can move in tracks of limited extension. Further, at its upper end, the curved outer casing has two pins, each co-operating with its own track in the two flanges, both tracks being open at their upper ends so that the pins can leave the tracks, allowing the outer casing to be pivoted out to form an angle of about 90° with the attachment plate. Said casing can also be made lockable.

[0006] Further characteristics applicable to the present invention are disclosed in the claims set out below.

[0007] The present invention will be further described with reference to nine drawings, where

Figure 1 shows a known holder,

Figure 2 shows a blank for manufacturing the holder in accordance with Figure 1,

Figure 3 shows a transformed holder in accordance with the present invention,

Figure 4 shows the holder in Figure 3 with a tube-shaped discharging device,

Figure 5 shows a casing for a holder in accordance with the present invention, where the holder is tube-shaped??? and where the cross-section can be of various types, where the casing can be manufactured from any material whatsoever and can be of a smooth material, where the casing alternatively can consist of a number of rods spaced from each other, or where the casing can consist of a lattice,

Figure 6 shows a casing that completely encloses the container with the liquid product and is also lockable,

Figure 7 shows the casing in Figure 6 in a first stage of being opened,

Figure 8 shows the casing in Figure 6 in a fully open position, and

Figure 9 shows one of the two closed tracks for journalling the curved outer casing.

[0008] Figures 1 and 2 show a known holder and the requisite material for manufacturing the holder. In manufacturing the holder, a rectangular plate is provided with a central slot 6, leaving two plate-shaped portions 7 and 8 on either side. Holes 9 and 10 are also provided for attaching the deformed plate. The plate in accordance with Figure 2 is deformed as illustrated in Figure 1 and the plate 5 will then be shaped like a U. The plate portion to the right of the slot 6 forms the upper portion

8 of the holder and the plate portion to the left of the slot 6 forms in the inwardly-deformed wall 7, which acts as an abutment wall against the discharge part of a container for liquid products. Two rods 1 and 2 with an arc-shaped part 3 issue from the deformed unit 5 for the purpose of enabling a bag or bottle to be introduced between the arc-shaped part and the straight parts down to the inwardly deformed wall 7. The portions of the packaging receptacle located within the inwardly deformed portion of the holder are influenced by the control arm 17, which has two lateral arms 19 and 20, which at their free ends have pins 21 and 22 journaled in holes 11 and 12 in the deformed metal plate 5. In accordance with the invention, a new holder has been developed that differs somewhat from the holder in accordance with Figure 1 in that the holder portion 8 has been considerably shortened and further in that the influencing member is arranged differently inasmuch as it has a longer flat straight part 23 that is brought substantially into contact with a tube-shaped part 25 which, in addition, requires a support 24 for its free end. The most significant aspect of the holders in accordance with Figures 3 and 4 is that they are suitable for packaging receptacles containing liquid products and having a long tube as a discharge tube.

[0009] Figure 5 shows a device similar to the one in accordance with Figure 4. It has a tube-shaped casing of any desired shape, in which casing the contents of the carton in Figure 4 can be placed. The casing can have a smooth surface and can consist of a number of parallel rods arranged one after the other or of a lattice-work. In certain cases, it is desirable to surround a container of liquid products with a protective casing to protect the container of liquid products from malicious damage. For this purpose, a bipartite casing is employed consisting of a flat part 31 with two lateral flanges 35 and 36 that co-operate with a curved casing 30. This is provided at its lower end with bearing journals 26 running in respective tracks 34 that are dosed, that is to say that the bearing journals 26 are displaceable from one end of the track to the its other end. When the curved part 30 is swivelled down, the pins 27 will engage the tracks 32 and 33, which have openings. Thus, if the curved part 30 is swivelled towards the part 31, the pins 27 will co-operate with the tracks 32 and 33. In its folded position, the entire curved part 30 can be displaced to the lower end of the tracks 34. The curved part 30 can in this position be locked to the flat part 31 so that the container with liquid products becomes inaccessible to malicious damage. To open the curved outer casing, it must be moved a distance upwards, as illustrated in Figure 7, before it can be swivelled out to assume a position at right angles to the part 31. The reason for this upward motion is to protect the actual holder device when the curved casing is folded down. It should be evident that the casing described in Figures 6, 7 and 9, may very well be employed with holder devices other than the one revealed in the present description.

Claims

1. A device comprising a holder, to be mounted on a wall for a container for liquid products, which container can be manufactured from various materials, such as plastic, glass, paper, metal and the like, and which can have the characteristics of a bag or bottle, having an elongate sealing member that preferably is detachable and which includes a dispensing member such as a pump device that can be influenced externally, transversely and manually with a part of an influencing member (18) such as a lever journaled in the holder, the container being designed to rest with an elongate sealing member on the holder (5), the blank for the holder (5) consisting of a substantially rectangular plate (5), having a longitudinal and a transverse direction, which plate (5) in its lengthwise direction has a longitudinally extending through-cut slot (6) with two portions (7 and 8) on each side of the slot (6) and which plate (5) is when used in the device shaped substantially as a U about an axis at right angles to the slot, the plate portion (7) on one side of the slot (6) being deformed inwards so that the plate portion (7) forms a U-like portion (7) which with its outer portion is designed to surround the elongate sealing member and restrict its lateral movement, and the plate portion (8) on the other side of the slot (6) retaining its outwardly-directed conformation and with its inner portion being designed to partially surround the container and its elongate sealing member, **characterized in that** the plate portion (8) on the other side of the slot (6) has a width that is less than half the width of the rectangular plate (5) so that the inwardly deformed portion has considerable longitudinal extension, **in that** outwardly turned free ends of the influencing member (18) are journaled to the inside of the plate portion (8) on the other side of the slot (6), **in that** the influencing member has a part corresponding to the greater portion (7) of the plate on one side of the slot (6), **in that** the last-mentioned part of the influencing member can be brought into contact with said greater portion (7) of the plate on one side of the slot (6) and **in that** a positioning unit for a tube-shaped part of a packaging receptacle is arranged below the plate portion (7) on one side of the slot (6).
2. A device as claimed in claim 1, **characterized in that** a support member is arranged above or around the holder to retain the container for liquid products in such a position that a liquid product can be discharged from the container.
3. A device as claimed in claim 1, **characterized in that** the support member consist of two legs, of which each upper end is connected to a respective end of a horizontal loop, preferably

of metal wire, which loop is outwardly directed and girdles a container for liquid products.

4. A device as claimed in claim 3,
characterized in that it comprises a preferably parallelepipedic casing which surrounds the container for liquid products, which container has a discharge unit that is tube-shaped and made from a soft material, which discharge unit preferably is fixed by the positioning unit. 5 10
5. A device as claimed in claim 2,
characterized in that the support member consists of a tube-shaped unit, the wall of which is smooth and formed by vertical rods spaced from each other or consisting of a lattice. 15
6. A device as claimed in claim 2,
characterized in that the support member consists of a rear part designed to be attached to a wall, and an curved front part designed to be attached to the edges of the rear part thereafter so that, when the two parts are united, a tube-shaped space arises for the container for liquid products and so that the two parts, when they are disengaged, form an angle of preferably 90° with each other. 20 25
7. A device as claimed in claim 6,
characterized in that the curved front part must be displaced upwards before it can be swivelled out and to expose the holder. 30
8. A device as claimed in claim 7,
characterized in that the rear part has flanges along its longitudinal edges, each flange being outwardly directed and each flange having a closed track for a hinged attachment arrangement and a track with an open end for a guide pin. 35
9. A device as claimed in claim 6,
characterized in that the support member has a preferably lockable sealing lid. 40

Patentansprüche

1. Vorrichtung, umfassend einen Halter zur Befestigung an einer Wand, für einen Behälter für flüssige Produkte, wobei dieser Behälter aus verschiedenen Materialien wie Kunststoff, Glas, Papier, Metall und dergleichen hergestellt sein und die Charakteristiken eines Beutels oder einer Flasche besitzen kann, der/die ein langgestrecktes oder längliches Dichtungselement besitzt, das vorzugsweise abnehmbar ist, und der/die ein Ausgabeelement, beispielsweise eine Pumpenvorrichtung umfasst, das von außen, quer und manuell mit einem Teil eines Beeinflussungselements (18) wie beispielsweise 45 50

einem im Halter verzapften Hebel beeinflusst werden kann, wobei der Behälter so gestaltet ist, dass er mit einem länglichen oder langgestreckten Dichtungselement auf dem Halter (5) ruhen kann, wobei die Platine oder Vorform für den Halter (5) aus einer im Wesentlichen rechtwinkligen Platte (5) mit einer Längsrichtung und einer Querrichtung besteht und die Platte (5) in ihrer Längsrichtung einen sich längs erstreckenden, durch (die Platte) geschnittenen Schlitz (6) mit zwei Teilen (7, 8) an jeder Seite des Schlitzes (6) aufweist und wobei die Platte (5) beim Gebrauch in der Vorrichtung um eine Achse, die in rechten Winkeln zum Schlitz verläuft, im Wesentlichen als ein U geformt ist, wobei der Plattenteil (7) auf einer Seite des Schlitzes (6) eine Deformierung in Einwärtsrichtung besitzt, so dass der Plattenteil (7) einen U-artigen Teil (7) bildet, der mit seinem äußeren Teil so gestaltet ist, dass er das längliche oder langgestreckte Dichtungselement umgibt und dessen seitliche Bewegung beschränkt, und der Plattenteil (8) auf der anderen Seite des Schlitzes (6) seine nach außen gerichtete Konformation beibehält und mit seinem inneren Teil geformt ist, um den Behälter und sein längliches oder langgestrecktes Dichtungselement teilweise zu umgeben, **dadurch gekennzeichnet, dass** der Plattenteil (8) auf der anderen Seite des Schlitzes (6) eine Breite besitzt, die geringer ist als die halbe Breite der rechtwinkligen Platte (5), so dass der in Einwärtsrichtung deformierte Teil eine beträchtliche Längsausdehnung besitzt, dass auswärts gerichtete freie Enden des beeinflussenden Elements (18) an der Innenseite des Plattenteils (8) auf der anderen Seite des Schlitzes (6) verzapft sind, dass das beeinflussende Element einen Teil besitzt, der mit dem größeren Teil (7) der Platte auf einer Seite des Schlitzes (6) in Beziehung steht, dass der letztgenannte Teil des beeinflussenden Mittels in Kontakt mit dem größeren Teil (7) der Platte auf einer Seite des Schlitzes (6) gebracht werden kann, und dass eine Positioniereinheit für einen rohrförmigen Teil einer Verpackungsfassung unterhalb des Plattenteils (7) auf einer Seite des Schlitzes (6) angeordnet ist.

2. Vorrichtung nach Anspruch 1, **dadurch gekennzeichnet, dass** ein Trägerelement oberhalb des Trägers oder rund um diesen angeordnet ist, um den Behälter für flüssige Produkte in einer derartigen Stellung zu halten, dass ein flüssiges Produkt aus dem Behälter entnommen werden kann.
3. Vorrichtung nach Anspruch 1, **dadurch gekennzeichnet, dass** das Trägerelement aus zwei Beinen besteht, deren oberes Ende mit einem entsprechenden Ende einer horizontalen Schlaufe, vorzugsweise aus Metalldraht, verbunden ist, wobei diese Schlaufe nach außen gerichtet ist und einen 55

Behälter für flüssige Produkte umschließt.

4. Vorrichtung nach Anspruch 3, **dadurch gekennzeichnet, dass** sie ein Gehäuse mit vorzugsweise parallelen Flächen umfasst, das den Behälter für flüssige Produkte umgibt, wobei dieser Behälter eine Ausgabeeinheit besitzt, die rohrförmig und aus einem weichen Material gebildet ist, wobei diese Ausgabeeinheit vorzugsweise durch die Positioniereinheit fixiert ist. 5 10
5. Vorrichtung nach Anspruch 2, **dadurch gekennzeichnet, dass** das Trägerelement aus einer rohrförmigen Einheit besteht, deren Wand glatt und aus vertikalen Stäben gebildet ist, die voneinander beabstandet sind, oder aus einem Gitter besteht. 15
6. Vorrichtung nach Anspruch 2, **dadurch gekennzeichnet, dass** das Trägerelement aus einem hinteren Teil, der zur Befestigung an einer Wand ausgestaltet ist, und einem gebogenen Vorderteil besteht, der vorgesehen ist, danach an den Rändern oder Kanten des hinteren Teils befestigt zu werden, so dass dann, wenn die beiden Teile vereint sind, ein rohrförmiger Raum für den Behälter für flüssige Produkte entsteht, und so dass die beiden Teile, wenn sie getrennt werden, einen Winkel von vorzugsweise 90° miteinander bilden. 20 25
7. Vorrichtung nach Anspruch 6, **dadurch gekennzeichnet, dass** der gebogene Vorderteil nach oben verschoben werden muss, bevor er herausgeschwenkt werden kann und um den Halter freizulegen. 30 35
8. Vorrichtung nach Anspruch 7, **dadurch gekennzeichnet, dass** der hintere Teil entlang seiner Längsränder Flansche aufweist, wobei jeder Flansch nach außen gerichtet ist und jeder Flansch ein geschlossenes Profil für eine über ein Scharnier erfolgende Befestigungsanordnung und ein Profil mit einem offenen Ende für einen Führungsstift aufweist. 40
9. Vorrichtung nach Anspruch 6, **dadurch gekennzeichnet, dass** das Trägerelement eine vorzugsweise verschließbare Abdichtungsabdeckung oder -klappe aufweist. 45

Revendications

1. Dispositif comprenant un support à monter sur un mur pour un conteneur pour produits liquides, ledit conteneur pouvant être fabriqué de divers matériaux tels que plastique, verre, papier, métal et similaire et lequel pouvant avoir les caractéristiques d'un sac ou d'une bouteille, ayant un élément allon-

gé de fermeture de préférence détachable et qui comprend un élément de distribution tel qu'un dispositif de pompe pouvant être actionné extérieurement, transversalement ou manuellement avec une partie d'un élément d'actionnement (12) tel qu'un levier articulé dans le support,

le conteneur étant conçu pour reposer avec un élément allongé de fermeture sur le support (5), l'embase pour le support (5) consistant en une plaque sensiblement rectangulaire (5) ayant un sens longitudinal et un sens transversal, ladite plaque (5) ayant dans le sens de sa longueur une fente traversante (6) s'étendant longitudinalement avec deux parties (7 et 8) de chaque côté de la fente (6) et ladite plaque (5), lorsque utilisé dans le dispositif, étant formée sensiblement comme un U autour d'un axe à angle droit avec la fente, la partie plate (7) d'un côté de la fente (6) étant déformée vers l'intérieur de manière que la partie plate (7) forme une partie semblable à un U (7), laquelle avec sa partie extérieure est conçue pour entourer l'élément allongé de fermeture et restreindre son mouvement latéral, et la partie plate (8) de l'autre côté de la fente (6) retenant sa partie orientée vers l'extérieur et avec sa partie intérieure étant conçue pour entourer partiellement le conteneur et son élément allongé de fermeture,

caractérisé en ce que la partie plate (8) de l'autre côté de la fente (6) a une largeur qui est inférieure à la moitié de la largeur de la plaque rectangulaire (5) de manière que la partie déformée vers l'intérieur a une extension considérablement longitudinale, **en ce que** des extrémités libres orientées vers l'extérieur de l'élément d'actionnement (18) sont fixées à l'intérieur de la partie plate (8) de l'autre côté de la fente (6),

en ce que l'élément d'actionnement a une partie correspondant à la partie plus grande (7) de la plaque d'un côté de la fente (6), **en ce que** cette dernière partie de l'élément d'actionnement peut être amenée en contact avec ladite partie plus grande (7) de la plaque d'un côté de la fente (6) et **en ce que** une unité de positionnement pour une pièce de forme tubulaire d'un récipient d'emballage est agencée sous la partie plate (7) d'un côté de la fente (6).

2. Dispositif selon la revendication 1, **caractérisé en ce que** un élément de soutien est agencé au-dessus ou autour du support pour retenir le conteneur pour produits liquides dans une position telle qu'un produit liquide peut être déchargé du conteneur. 50

3. Dispositif selon la revendication 1, **caractérisé en ce que** l'élément de soutien consiste en deux jambes dont chaque extrémité supérieure est connectée à une extrémité correspondante 55

d'une boucle horizontale, de préférence en câble métallique, ladite boucle étant orientée vers l'extérieur et entoure un conteneur pour produits liquides.

4. Dispositif selon la revendication 3, 5
caractérisé en ce que il comprend une enveloppe de préférence parallélépipède qui entoure le conteneur pour produits liquides, ledit conteneur ayant une unité de décharge qui est de forme tubulaire et fabriquée d'une matière souple, ladite unité de décharge étant de préférence fixée par l'unité de positionnement. 10

5. Dispositif selon la revendication 2, 15
caractérisé en ce que l'élément de soutien consiste en une unité de forme tubulaire dont la paroi est souple et formée de barres verticales espacées les unes des autres ou consistant en un treillis.

6. Dispositif selon la revendication 2, 20
caractérisé en ce que l'élément de soutien consiste en une partie arrière conçue pour être attachée à un mur et en une partie avant courbée conçue pour être par la suite attachée aux bords de la partie arrière de manière que, lorsque les deux parties 25
sont jointes, un espace tubulaire se forme pour le conteneur pour produits liquides et de manière que les deux parties, lorsqu'elles sont séparées, forment l'une avec l'autre un angle de préférence de 90° . 30

7. Dispositif selon la revendication 6, 35
caractérisé en ce que la partie avant courbée doit être déplacée vers le haut avant qu'elle ne puisse être articulée vers l'extérieur et pour exposer le support.

8. Dispositif selon la revendication 7, 40
caractérisé en ce que la partie arrière a des brides le long de ses bords longitudinaux, chaque bride étant orientée vers l'extérieur et chaque bride ayant une gorge fermée pour un arrangement de fixation à charnière et une gorge avec un bout ouvert pour une goupille de guidage. 45

9. Dispositif selon la revendication 6, 50
caractérisé en ce que l'élément de soutien a un couvercle de fermeture de préférence verrouillable. 55

Fig. 1

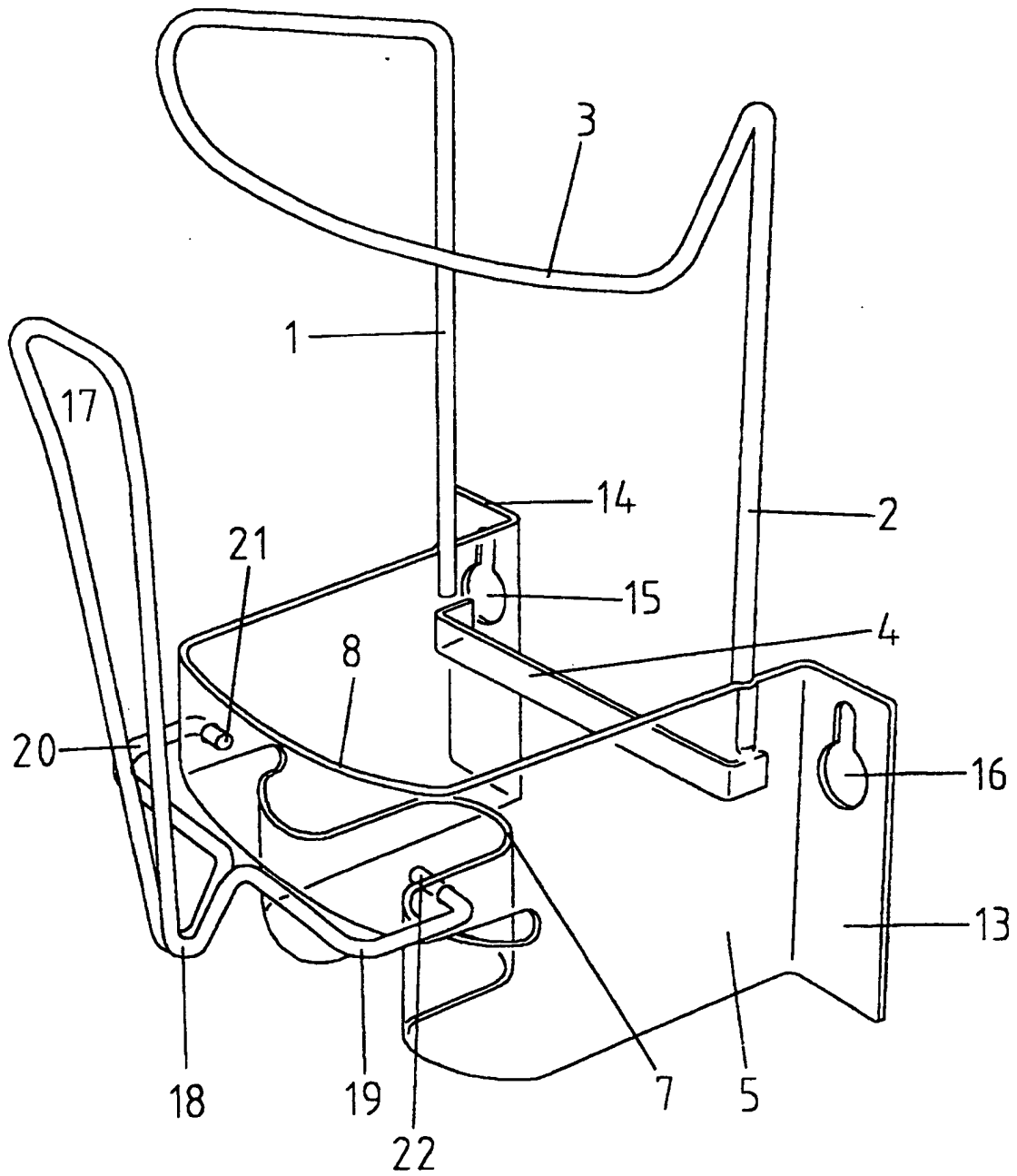


Fig. 2

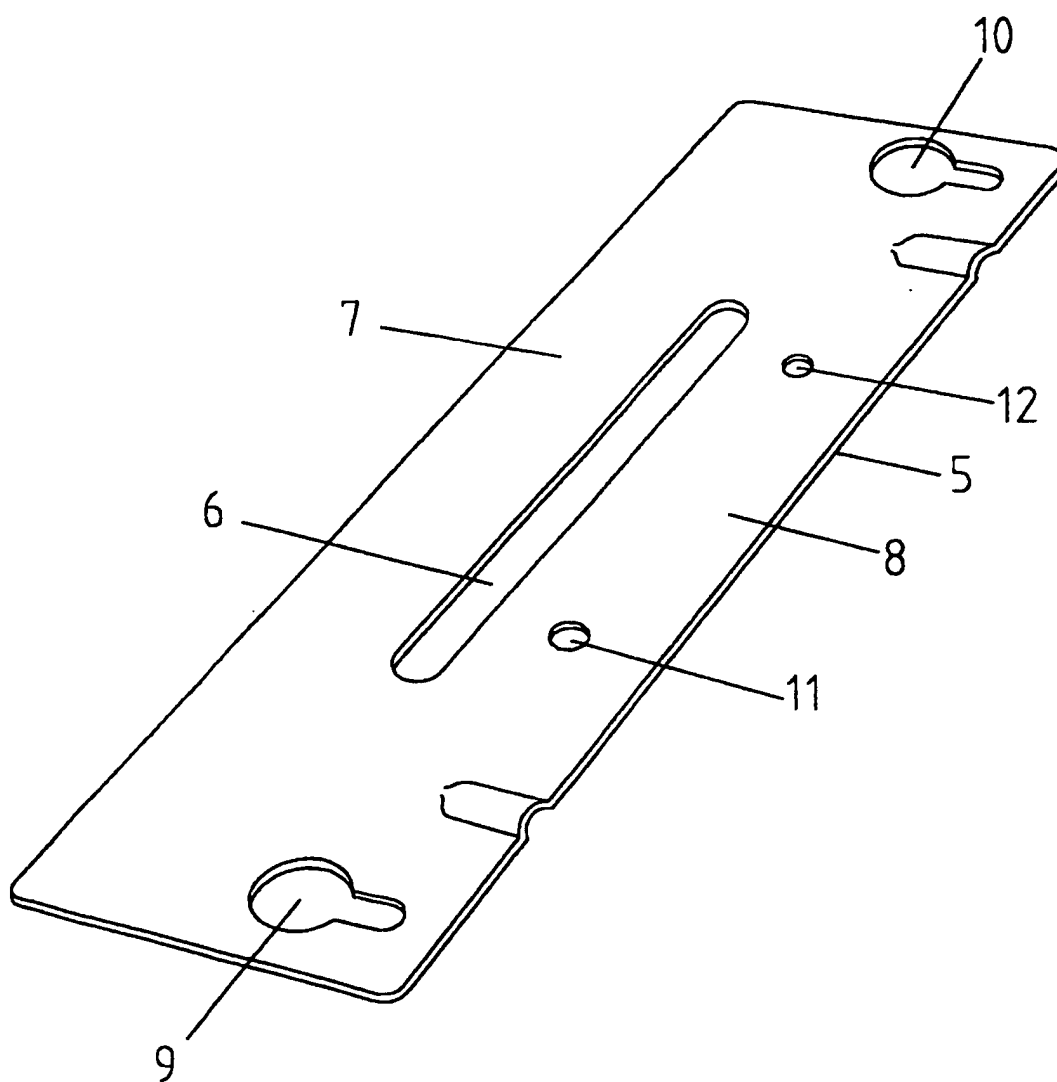


Fig. 3

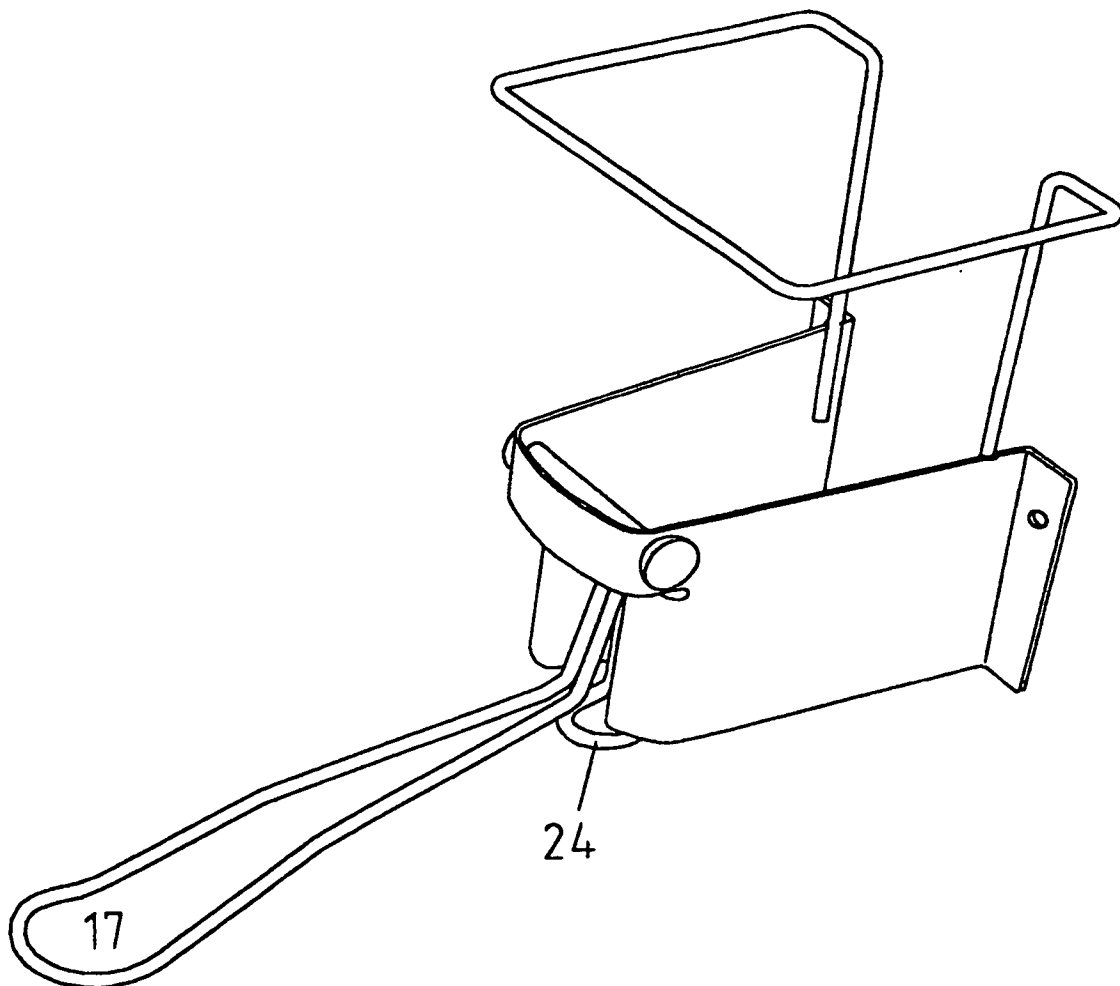


Fig. 4

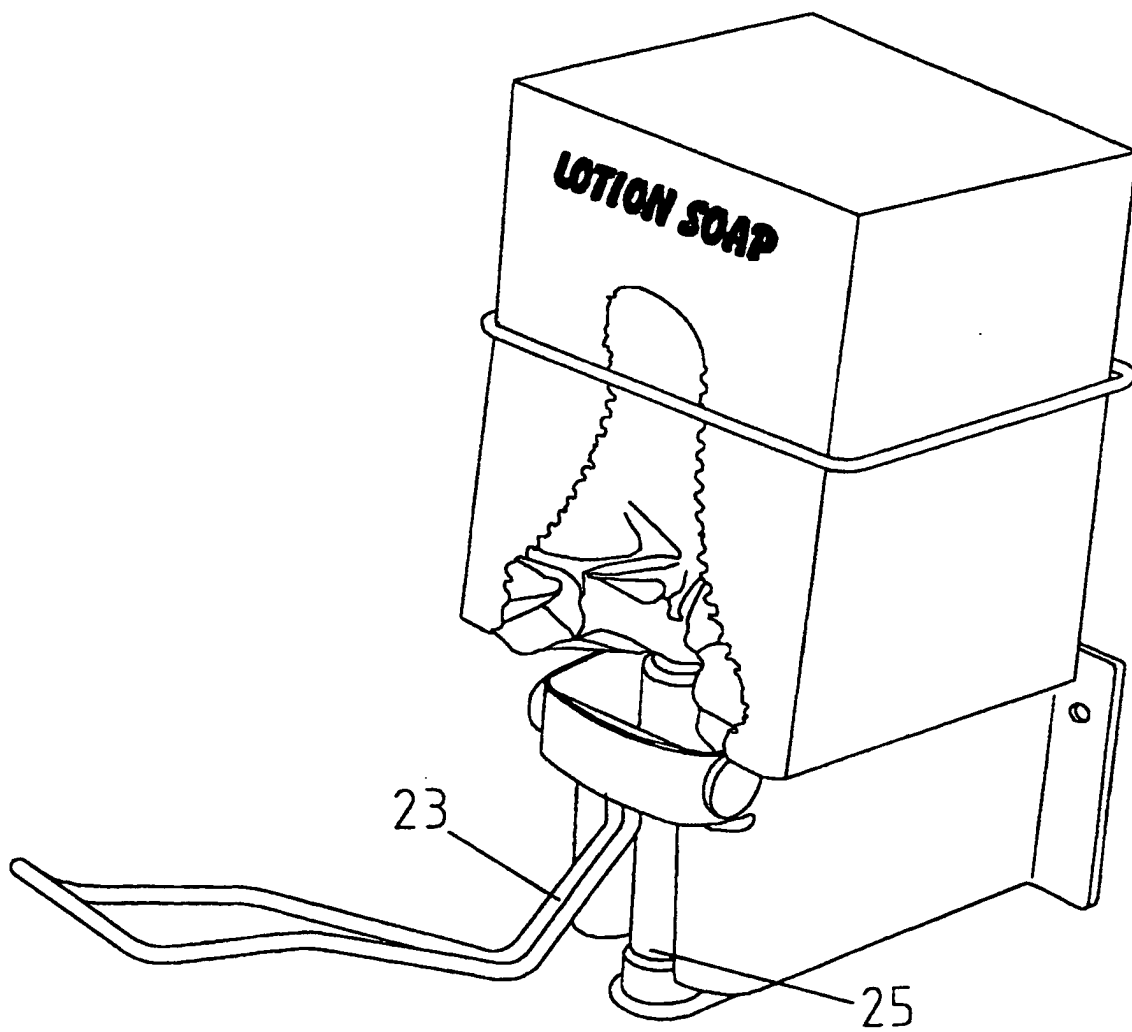


Fig. 5

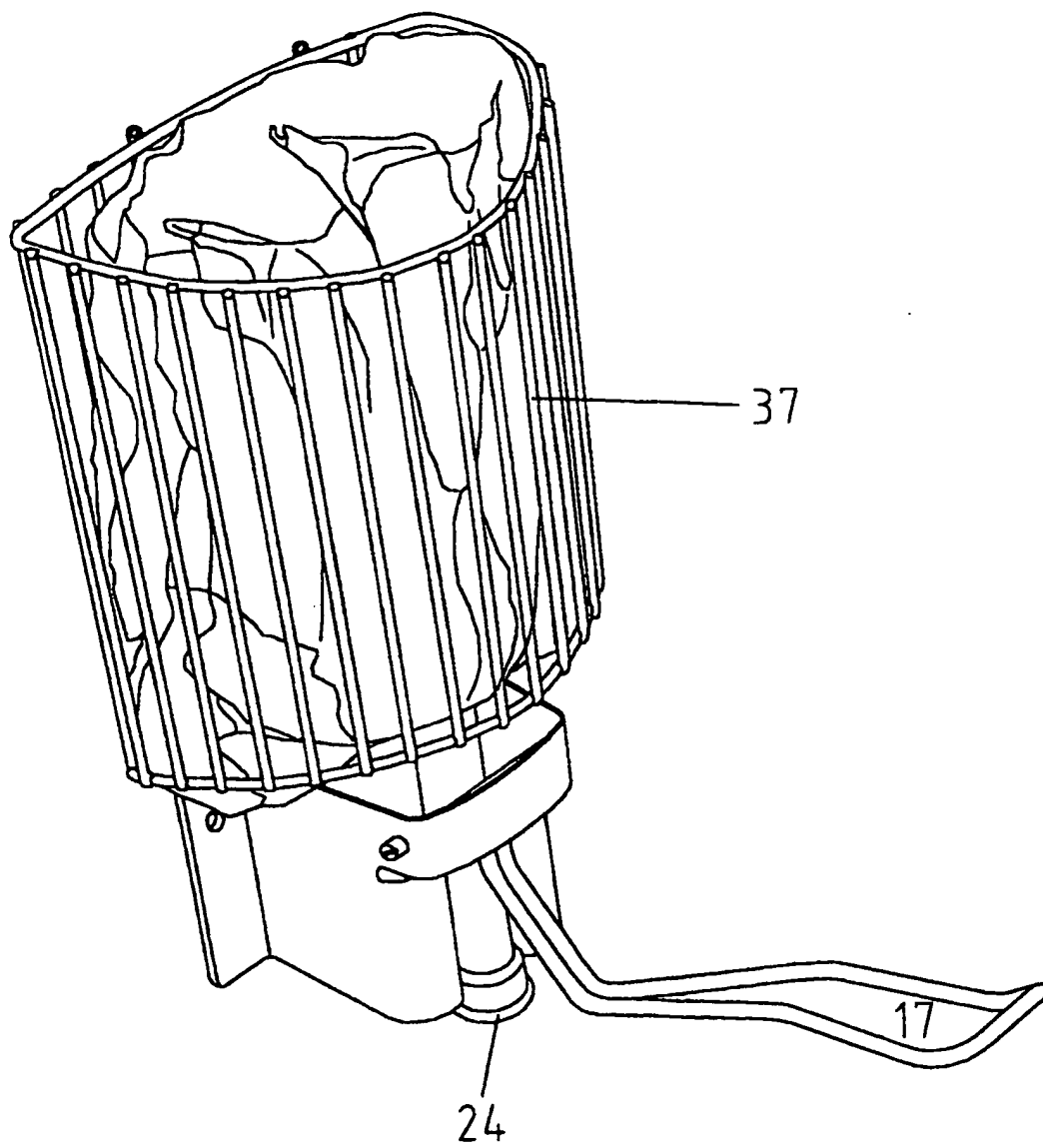


Fig. 6

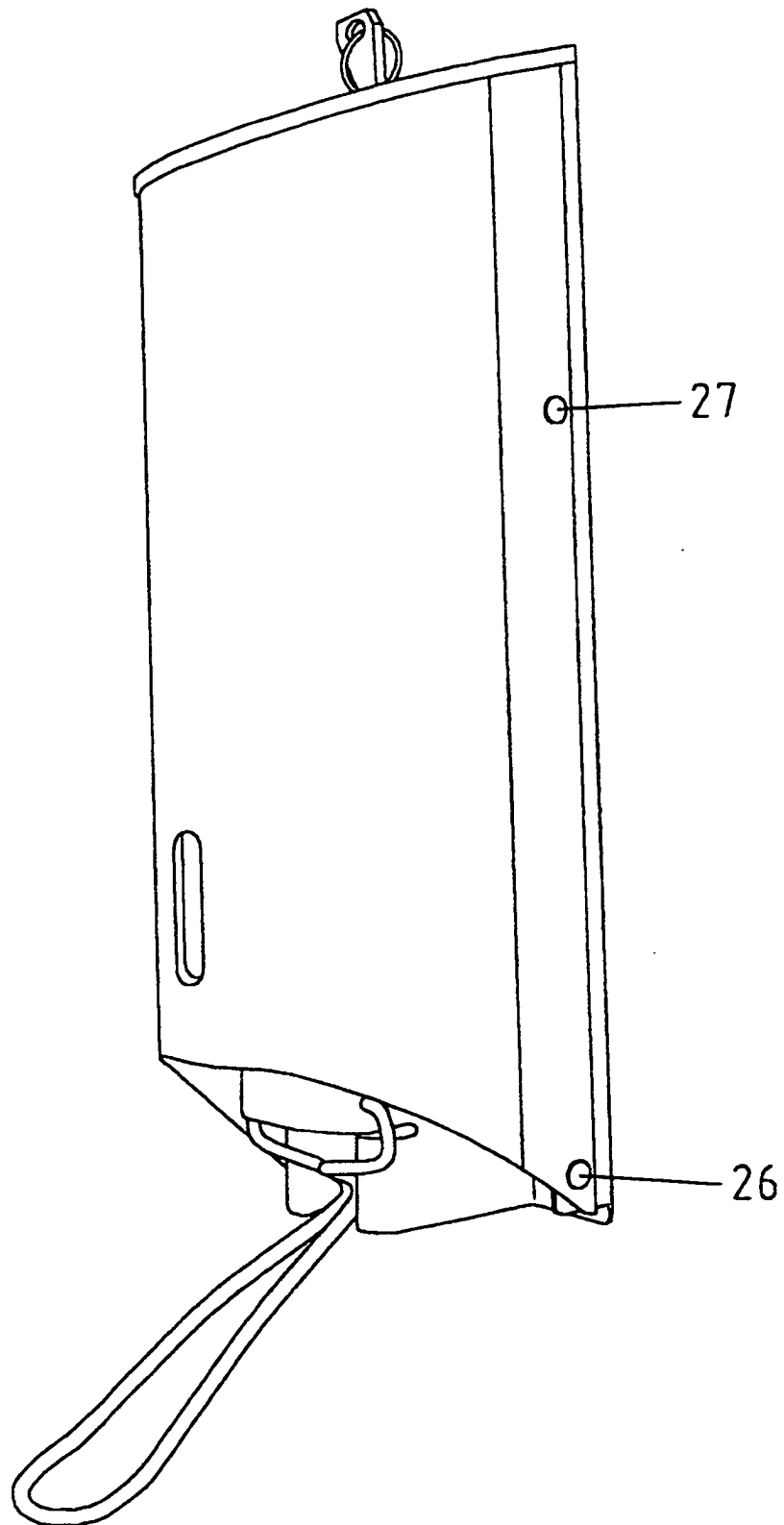
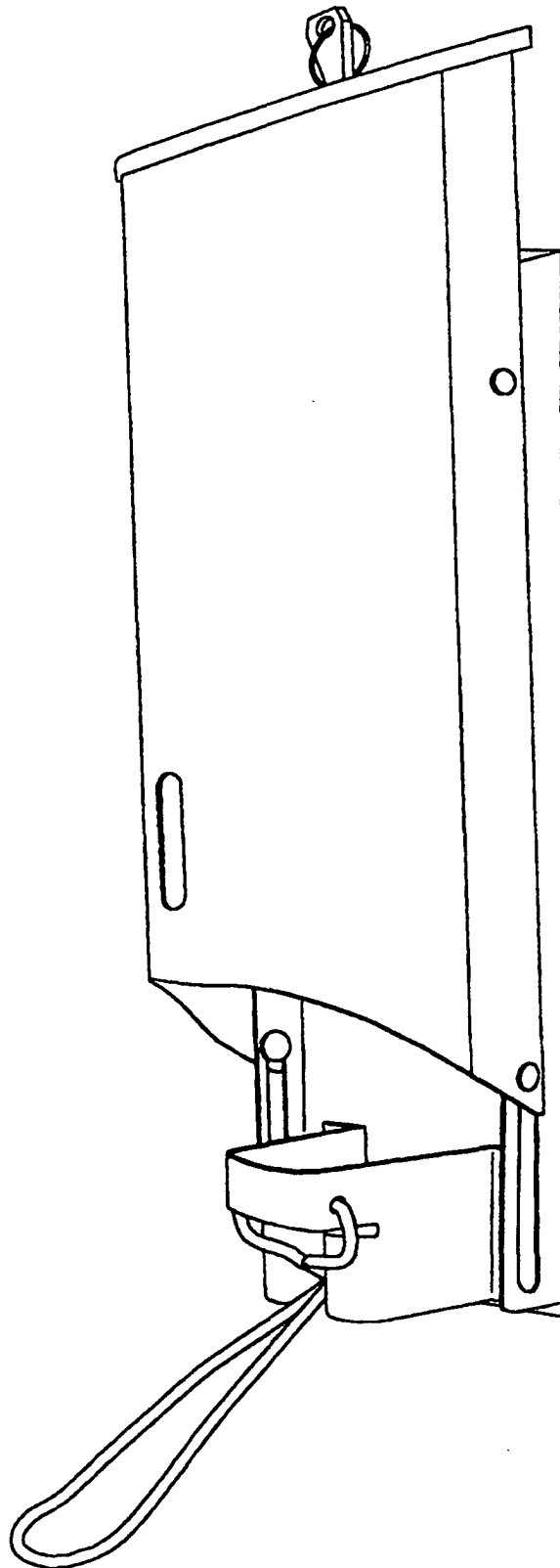


Fig. 7



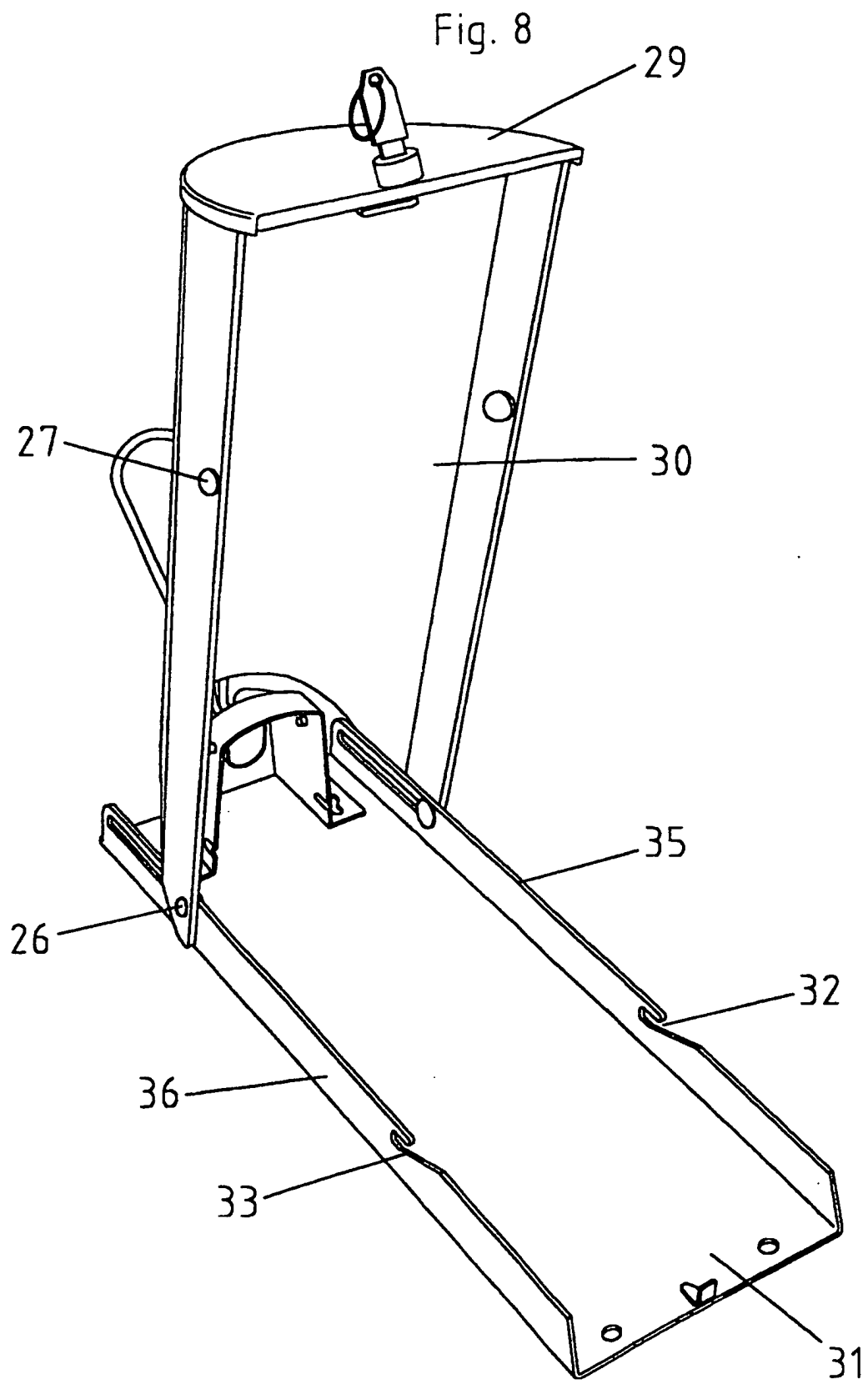


Fig. 9

