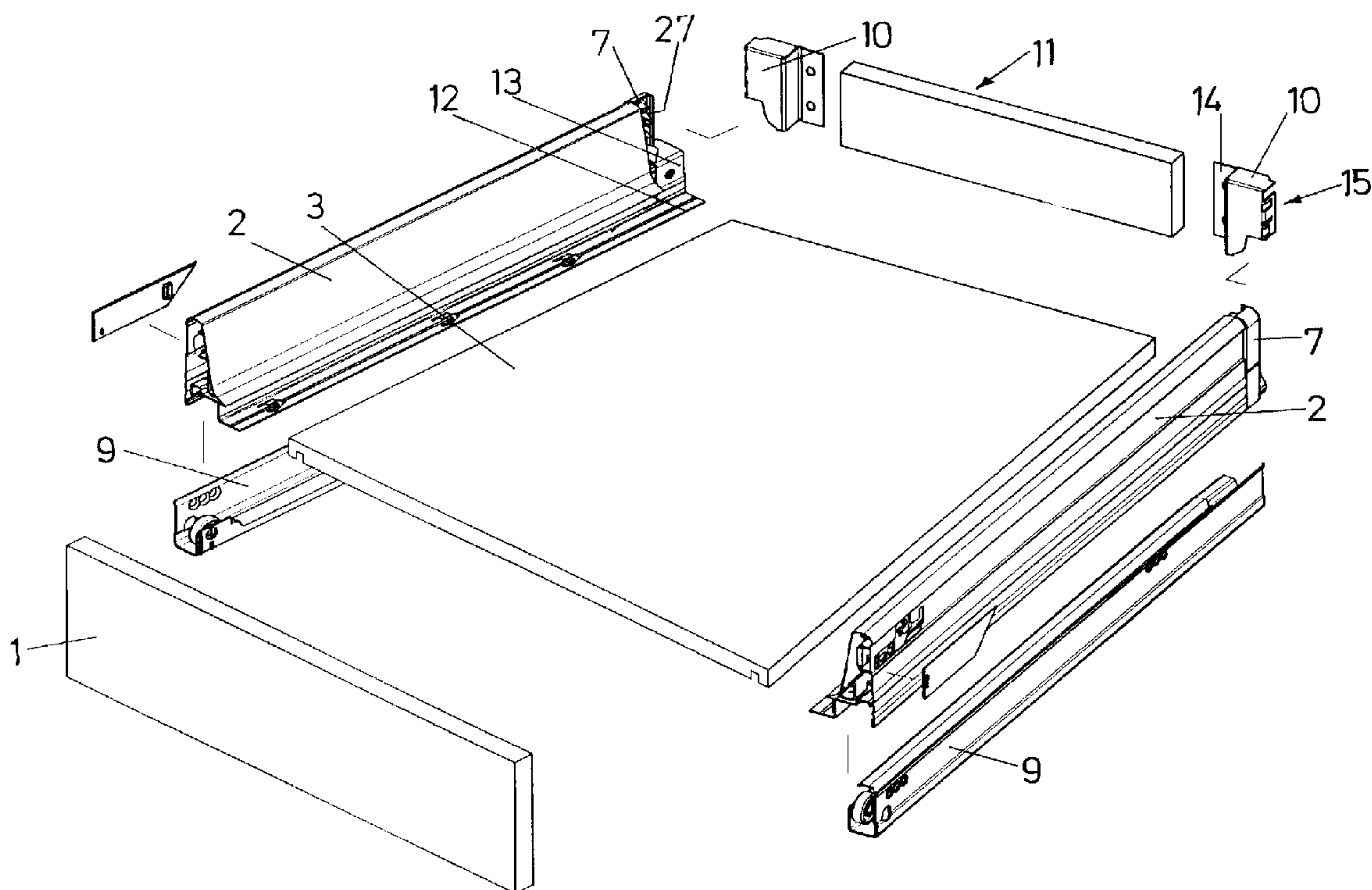




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(54) **ELEMENT DE FIXATION**
(54) **A FITTING**



(57) A fitting for fixing a rear wall of a drawer to drawer parts with a supporting part which can be fixed to a drawer part and has fixing lugs which engage in receiving openings in a holding part. The supporting part can be screwed to a holding part which can be fixed on the rear wall of the drawer.

ABSTRACT

A fitting for fixing a rear wall of a drawer to drawer parts with a supporting part which can be fixed to a drawer part and has fixing lugs which engage in receiving openings in a holding part. The supporting part can be screwed to a holding part which can be fixed on the rear wall of the drawer.

A FITTING

The invention relates to a fitting for fixing a rear wall of a drawer on drawer parts such as drawer sides or runners of a drawer with a supporting part which can be fixed on a drawer part and has fixing lugs which engage in receiving openings in a corresponding part on each side of the drawer.

- 10 In modern furniture construction drawers are known which are made entirely by injection moulding of plastics material, but drawers are also known in which the sides are produced from plastics material or metal and are connected to a rear wall also prefabricated from plastics material or prefabricated from a metal.

In many cases, particularly in smaller production runs, it is advantageous for the furniture manufacturer if, as far as the width of the drawer is concerned, to not be
20 dependent upon prefabricated parts, i.e. in the production of the piece of furniture he can produce drawers of any width without special expenditure.

The object of the invention is to create a fitting which enables a rear wall, made from a wood, extruded plastic materials or the like which has been cut to the desired length, to be connected by quick assembly to a drawer side or an adapter connected to the drawer side or to a runner of the drawer.

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The object according to the invention is achieved in that each supporting part can be coupled by means of the fixing lugs to a holding part which can be fixed, preferably screwed, on the rear wall, wherein the holding parts have a fixing flange, aligned parallel with the rear wall and by

which they can be fixed on the rear wall, and a housing-like portion, in the side wall of which are located holes in which the fixing lugs engage.

By making use of the fitting according to the invention, it is possible for a rear wall produced from a cut panel of chipboard or extruded plastics material, aluminium etc. to be incorporated into the modular system of a drawer produced from prefabricated parts.

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In accordance with one aspect of one embodiment of the present invention, there is provided a fitting suitable for use in attaching a rear wall of a drawer to a side part of the drawer, the fitting comprising:

a holding part including a flange to extend in a direction to be parallel to a rear surface of the rear wall and to be attached thereto, and a housing portion integral with the flange and extending laterally therefrom in a direction such that when the flange is attached to the rear surface

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of the rear wall, the housing portion is positioned at a location of a respective lateral end of the rear wall to form a lateral extension thereof;

the housing portion including a closure wall extending parallel to the flange in a direction to form a closed lateral continuation of a front surface of the rear wall, a member connecting the flange to one lateral end of the closure wall, a side wall integral with an opposite lateral end of the closure wall and defining therewith a corner, the side wall extending perpendicular to the closure wall in a direction to be rearward of the drawer, and locating holes formed in the side wall; and

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a supporting part to be attached to the side part of the drawer, the supporting part having extending laterally therefrom fixing lugs to engage in the locating holes to thereby attach the holding part to the supporting part with

the housing portion positioned laterally between the side part and the rear wall of the drawer.

In accordance with a further aspect of the present invention there is provided a fitting member to be part of a fitting for use in attaching a rear wall of a drawer to a side part of the drawer, such fitting also including a supporting part to be attached to the side part of the drawer, the fitting member comprising a holding part to be
10 connectable to the supporting part, the holding part including:

a flange to extend in a direction to be parallel to a rear surface of the rear wall and to be attached thereto;
a housing portion integral with the flange and extending laterally therefrom in a direction such that when the flange is attached to the rear surface of the rear wall the housing portion is positioned at a location of a respective lateral end of the rear wall to form a lateral extension thereof;

20 the housing portion including a closure wall extending parallel to the flange in a direction to form a closed lateral continuation of a front surface of the rear wall, a member connecting the flange to one lateral end of the closure wall, a side wall integral with an opposite lateral end of the closure wall and defining therewith a corner, the side wall extending perpendicular to the closure wall in a direction to be rearward of the drawer, and locating holes formed in the side wall.

30 Having thus described the invention, reference will now be made to the accompanying drawings, illustrating preferred embodiments and in which:

Figure 1 shows a perspective view of a drawer;
Figure 2 shows an exploded representation of a further embodiment of a drawer;
Figures 3 and 4 each show a perspective view of a rear wall;
Figures 5 and 6 show two different embodiments of the holding parts;
Figure 7 shows a side view of a supporting part;
Figure 8 shows an end view of a supporting part;
10 Figure 9 shows a perspective view of a supporting part;
Figure 10 shows an end view of the rail mounting; and
Figure 11 shows a side view of the rail mounting on the rear wall.

Similar numerals in the figures denote similar elements.

As illustrated in Figures 1 and 2, the drawer has conventional two drawer sides 2, a front panel 1, a drawer base 3 and a rear wall 6 or 11. The front panel 1 is
20 connected in the usual way to the drawer sides 2 or to the runners 12 which are set into the drawer sides 2. The runners 12, which run on supporting rails 9 fixed on the side walls of the body, are provided on their rear end with an adapter 13. The adapter is, for example, welded to runner 12.

A adapter 13 supports the supporting part 7, which is produced, for example, from plastics material or another injectable material and is screwed, riveted or pushed onto
30 adapter 13.

The supporting parts 7 have fixing lugs 27 which are directed towards the interior of the drawer and are of resilient and preferably hook-shaped construction. In this case the fixing lugs 27 point towards the central plane of

the drawer which is aligned perpendicular relative to rear wall 6, 11 and perpendicular to drawer base 3.

The rear walls 6, 11 are both produced from a chipboard material and have been cut to the desired length from a longer board.

Before the drawer is assembled, each rear wall 6, 11 is screwed on its two sides to fixing flanges 14 of the
10 holding parts 5, 10. In the illustrated embodiment the fixing flanges 14 rest against the back of the rear wall 6, 11.

The holding parts 10 are the same height as the drawer sides, whilst the holding parts 5 project beyond the drawer sides 2 and serve for fixing a drawer rail.

Each holding part 5, 10 has a housing-like regions 15 with a side wall 16. In the side wall 16 are located fixing
20 holes 17 disposed in the region of the edge 18 between side wall 16 and a closure wall 19 of the housing-like regions 15, which closure wall is aligned parallel with the rear wall 6, 11. The housing-like regions 15 are open towards the rear but on the face of the rear wall 6, 11 inside the drawer they close off the inner closure surface of the rear wall 6, 11.

Furthermore the housing-like regions 15 are each provided at the bottom with a cut-out 20 which receives the adapter
30 13 and the runner 12 when the holding parts 5, 10 are installed.

A clip 4 which in each case holds a rail 3 can be inserted into the holding parts 5.

Each holding part 5 has an upper closure wall 21 which projects horizontally towards the rear and a side wall 16 which is of equal width and is directed towards the rear.

A slot 22 is located between the walls 16, 21 in the outer upper corners of the holding parts 5.

10 The clips 4 are pushed into the slots 22. The clips 4 have a central web 23 and two holding arms 24 spreading in a V-shape as well as a cylindrical portion 25 with a base surface of 270°.

The clips 4 are pushed onto the corners of the holding parts 5 in such a way that the central web 23 protrudes through the slot 22 and the holding arms 24 are supported on the inner face of the wall 16, 21. The cylindrical portion 25 of the clips 4 rests on the outside of the walls 16, 21.

20 In the illustrated embodiment there is disposed on the clips 4 a lug 26 onto which the rail 3 is screwed and which directly supports the rail 3.

Although embodiments of the invention have been described above, it is not limited thereto and it will be apparent to those skilled in the art that numerous modifications form part of the present invention insofar as they do not depart from the spirit, nature and scope of the claimed and described invention.

THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:

1. A fitting suitable for use in attaching a rear wall of a drawer to a side part of said drawer, said fitting comprising:

a holding part including a flange to extend in a direction to be parallel to a rear surface of said rear wall and to be attached thereto, and a housing portion integral with said flange and extending laterally therefrom in a direction such that when said flange is attached to said rear surface of said rear wall, said housing portion is positioned at a location of a respective lateral end of said rear wall to form a lateral extension thereof;

said housing portion including a closure wall extending parallel to said flange in a direction to form a closed lateral continuation of a front surface of said rear wall, a member connecting said flange to one lateral end of said closure wall, a side wall integral with an opposite lateral end of said closure wall and defining therewith a corner, said side wall extending perpendicular to said closure wall in a direction to be rearward of said drawer, and locating holes formed in said side wall; and

a supporting part to be attached to said side part of said drawer, said supporting part having extending laterally therefrom fixing lugs to engage in said locating holes to thereby attach said holding part to said supporting part

with said housing portion positioned laterally between said side part and said rear wall of said drawer.

2. The fitting as claimed in claim 1, wherein said connecting member comprises a connecting wall to abut said respective lateral end of said rear wall and to extend parallel to said side wall longitudinally of said drawer, and said flange and said closure wall extend in opposite lateral directions from opposite longitudinal ends of said connecting wall.

3. The fitting as claimed in claim 1, wherein said holding part is made from sheet steel, and said supporting part is made from plastic material.

4. The fitting as claimed in claim 1, wherein said locating holes are formed at adjacent said corner.

5. The fitting as claimed in claim 1, wherein said holding part has a height to extend above said side part of said drawer, said housing portion has an upper outer corner having therein a horizontal slot, and further comprising a clip fitting into said slot and to support a rear end of a drawer rail.

6. The fitting as claimed in claim 5, wherein said clip comprises a body defining a cylindrical segment with

an arc of 270° and having a cut-out in the form of a segment with an arc of 90° , a bar integral with said body and extending therefrom through said cut-out, and a pair of holding arms integral with said bar and defining a V-shape.

7. The fitting as claimed in claim 6, wherein said holding arms abut an inner surface of said side wall and an inner surface of an upper wall of said housing portion that extends perpendicular to said side wall.

8. A fitting member to be part of a fitting for use in attaching a rear wall of a drawer to a side part of said drawer, such fitting also including a supporting part to be attached to said side part of the drawer, said fitting member comprising a holding part to be connectable to said supporting part, said holding part including:

a flange to extend in a direction to be parallel to a rear surface of said rear wall and to be attached thereto;

a housing portion integral with said flange and extending laterally therefrom in a direction such that when said flange is attached to said rear surface of said rear wall said housing portion is positioned at a location of a respective lateral end of the rear wall to form a lateral extension thereof;

said housing portion including a closure wall extending parallel to said flange in a direction to form a closed lateral continuation of a front surface of said rear wall,

a member connecting said flange to one lateral end of said closure wall, a side wall integral with an opposite lateral end of said closure wall and defining therewith a corner, said side wall extending perpendicular to said closure wall in a direction to be rearward of said drawer, and locating holes formed in said side wall.

9. The fitting member as claimed in claim 3, wherein said connecting member comprises a connecting wall to abut said respective lateral end of the rear wall and to extend parallel to said side wall longitudinally of said drawer, and said flange and said closure wall extend in opposite lateral directions from opposite longitudinal ends of said connecting wall.

10. The fitting member as claimed in claim 8, wherein said holding part is made from sheet steel.

11. The fitting member as claimed in claim 8, wherein said locating holes are formed adjacent said corner.

12. The fitting member as claimed in claim 8, wherein said holding part has a height to extend above said side part of said drawer, said housing portion has an upper, outer corner having therein a horizontal slot, and further comprising a clip fitting into said slot and to support a rear end of a drawer rail.

13. The fitting member as claimed in claim 8, wherein said clip comprises a body defining a cylindrical segment with an arc of 270° and having a cut-out in the form of a segment with an arc of 90° , a bar integral with said body and extending therefrom through said cut-out, and a pair of holding arms integral with said bar and defining a V-shape.

14. The fitting member as claimed in claim 13, wherein said holding arms abut an inner surface of said side wall and an inner surface of an upper wall of said housing portion that extends perpendicular to said side wall.

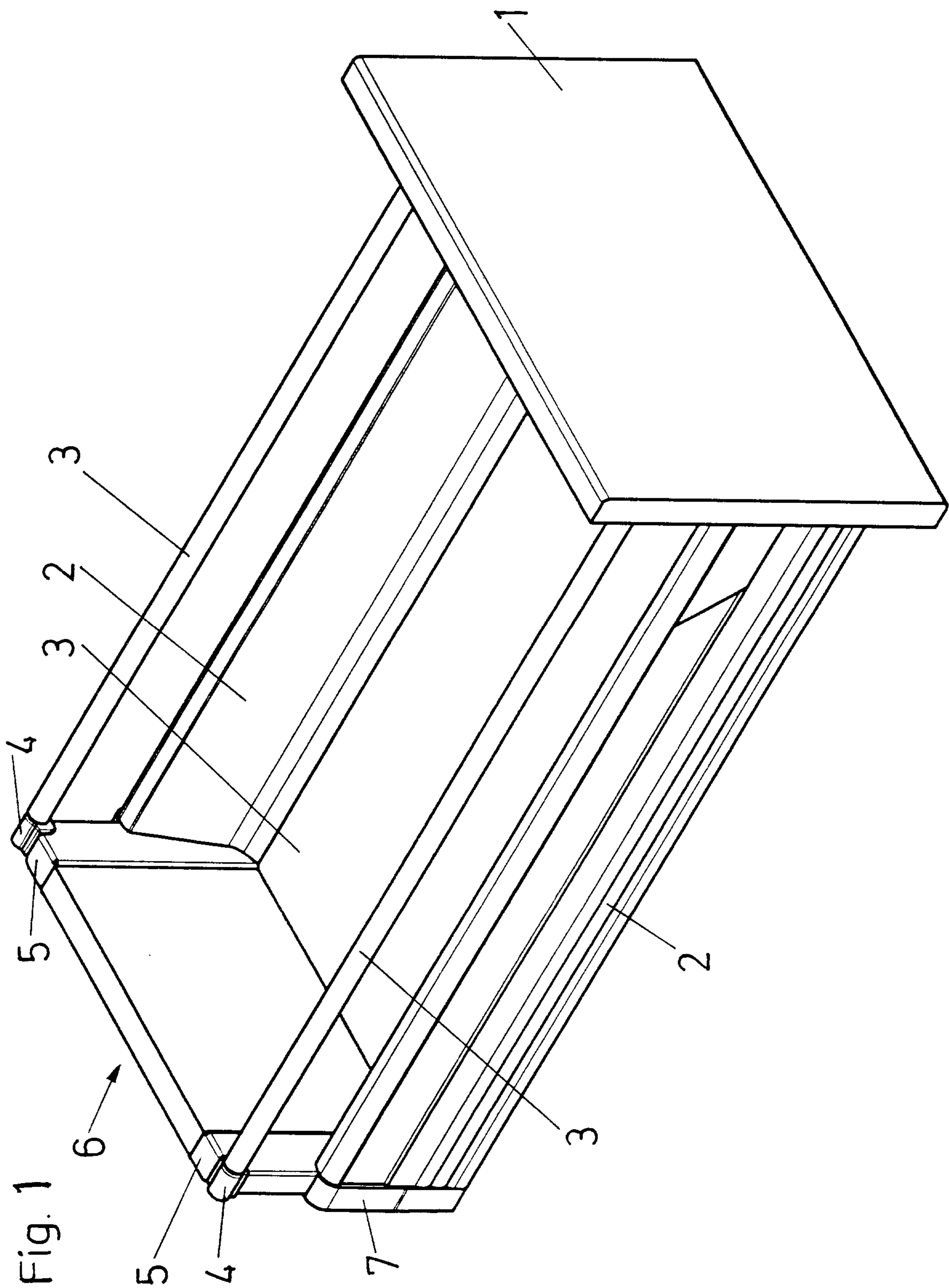


Fig. 1

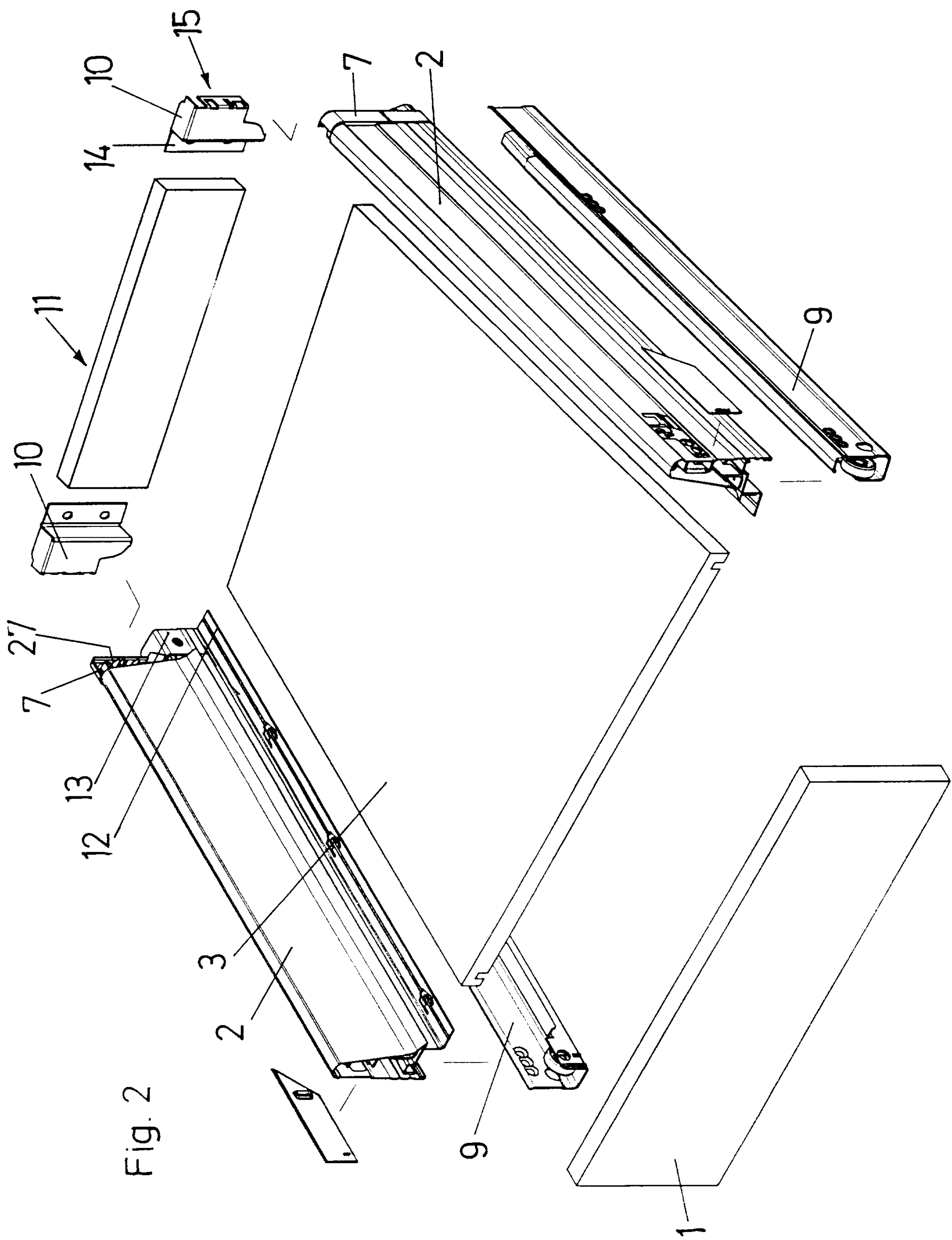
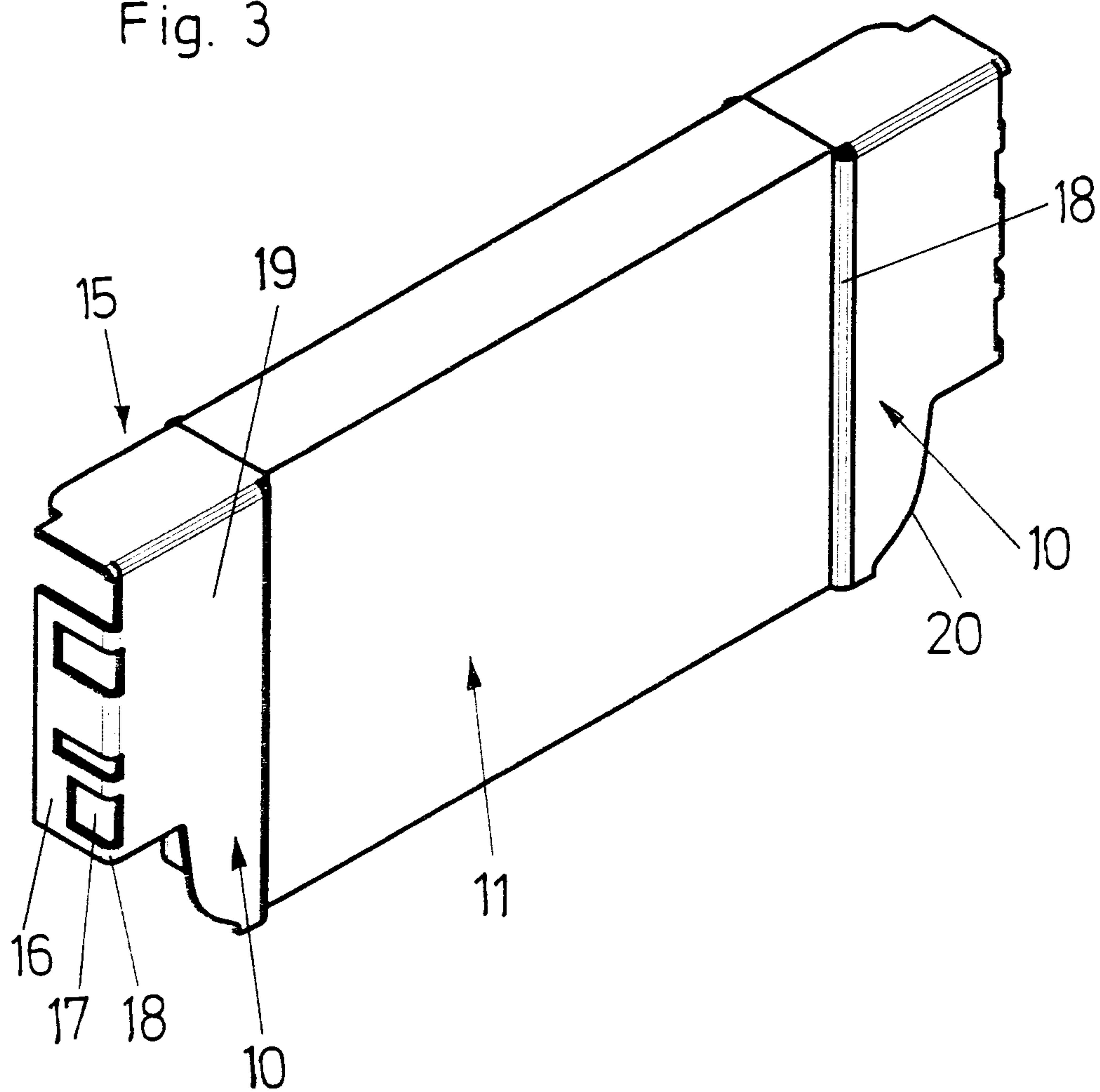


Fig. 2

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Fig. 3



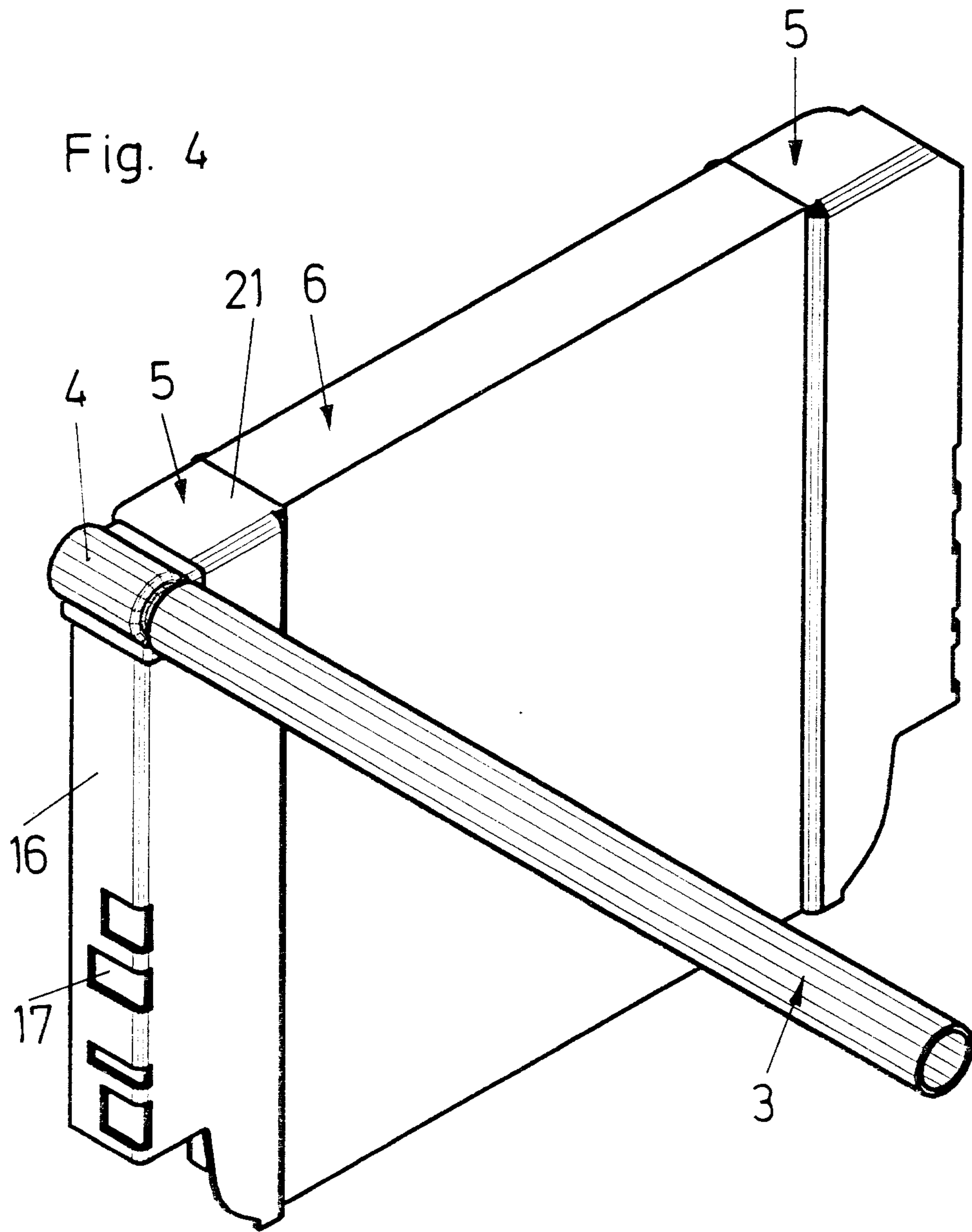


Fig. 5

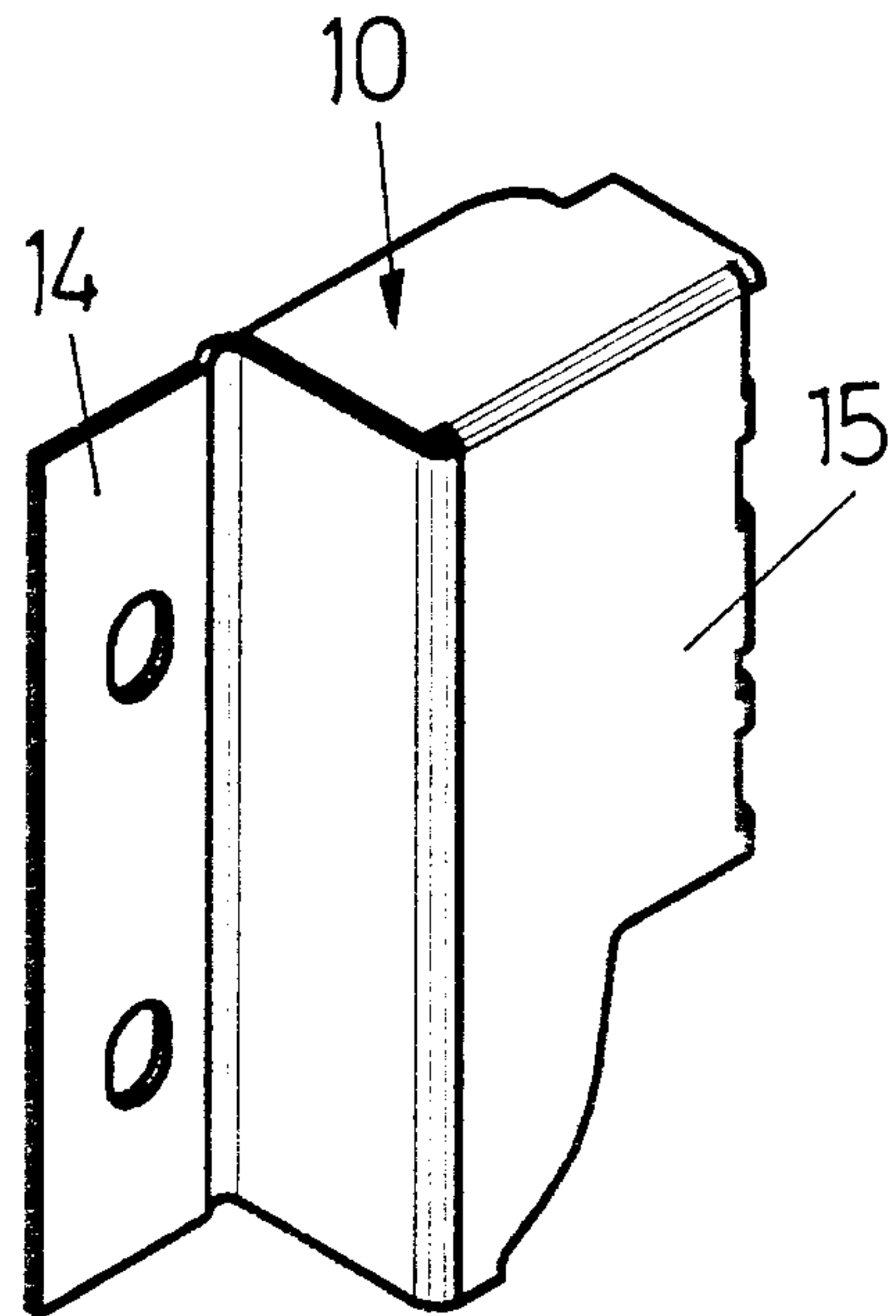
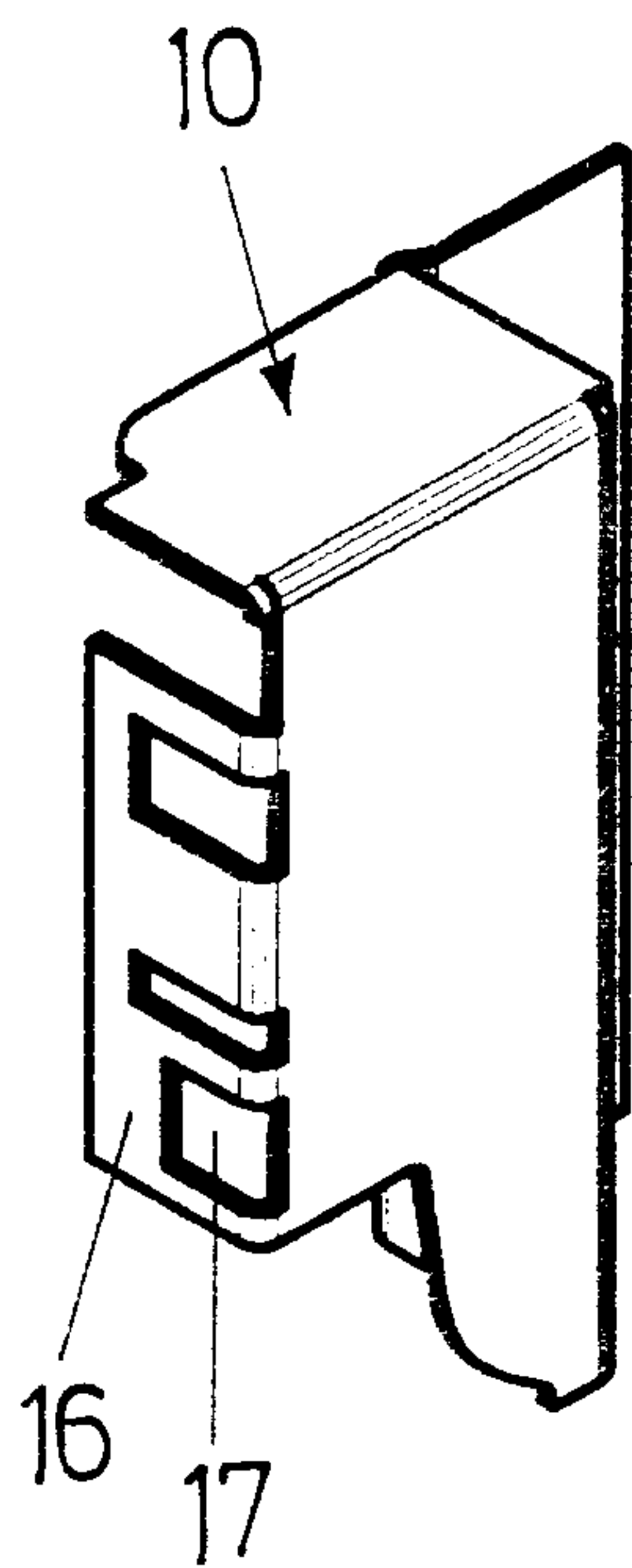


Fig. 6

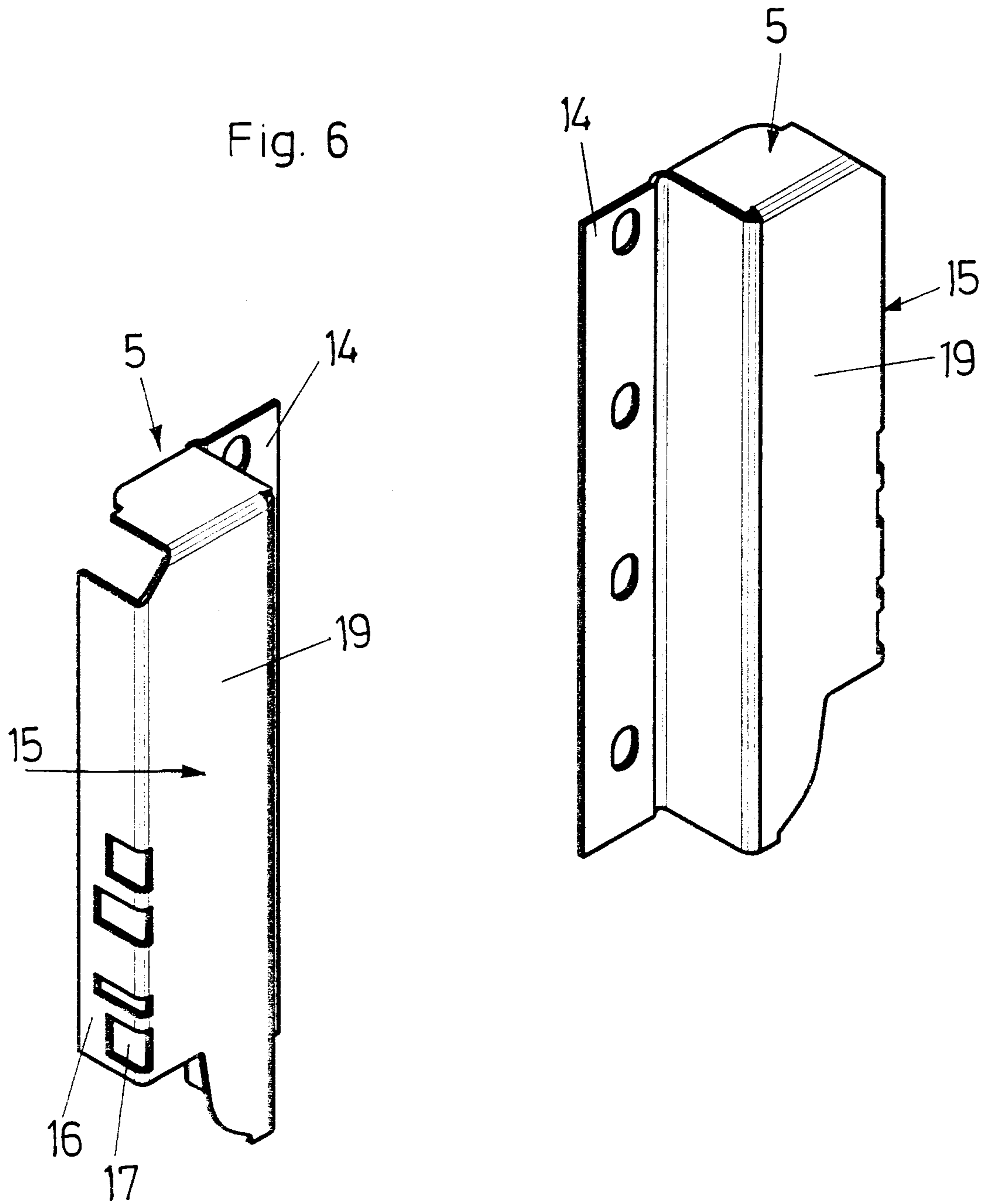


Fig. 8

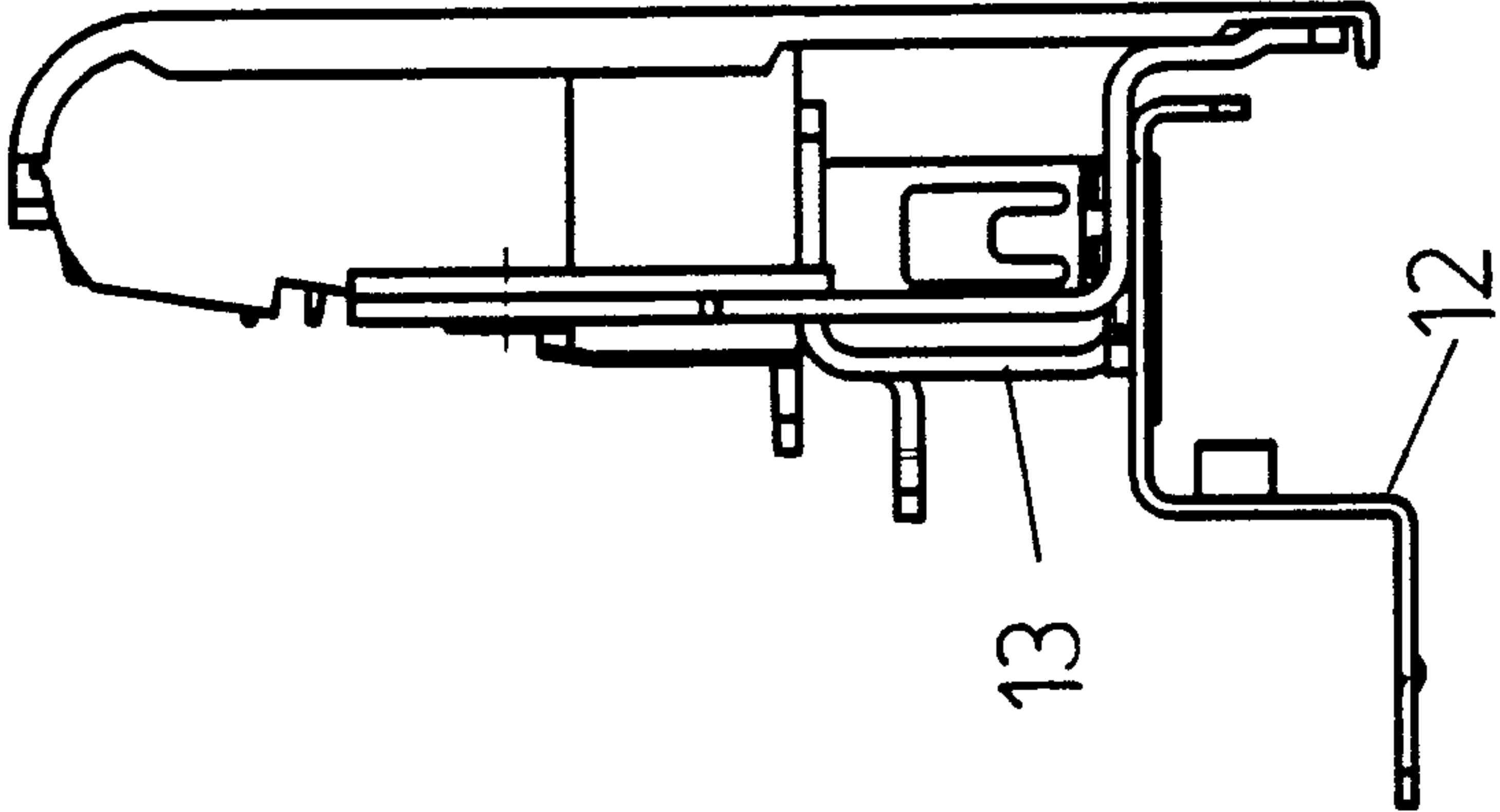


Fig. 7

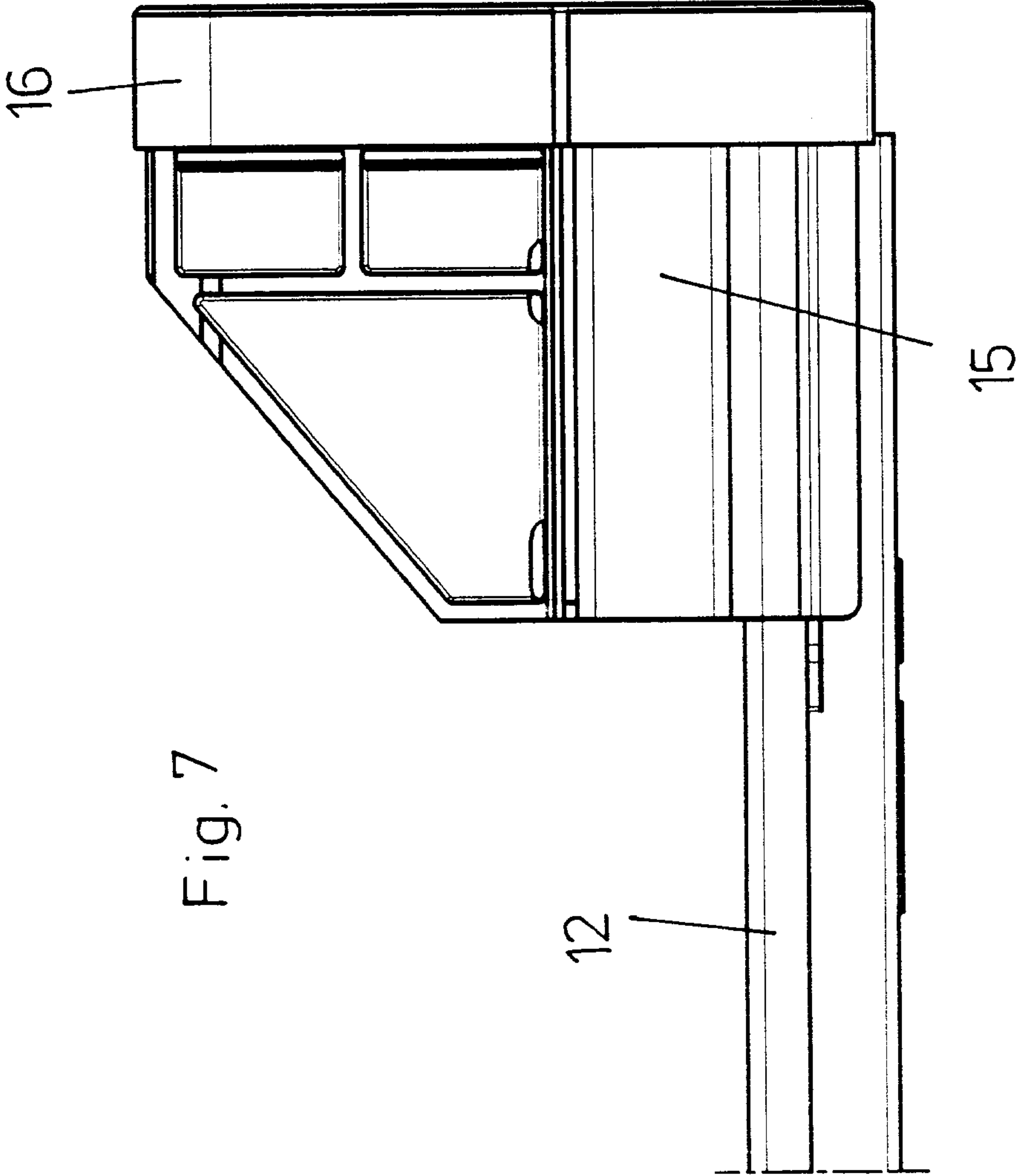


Fig.9

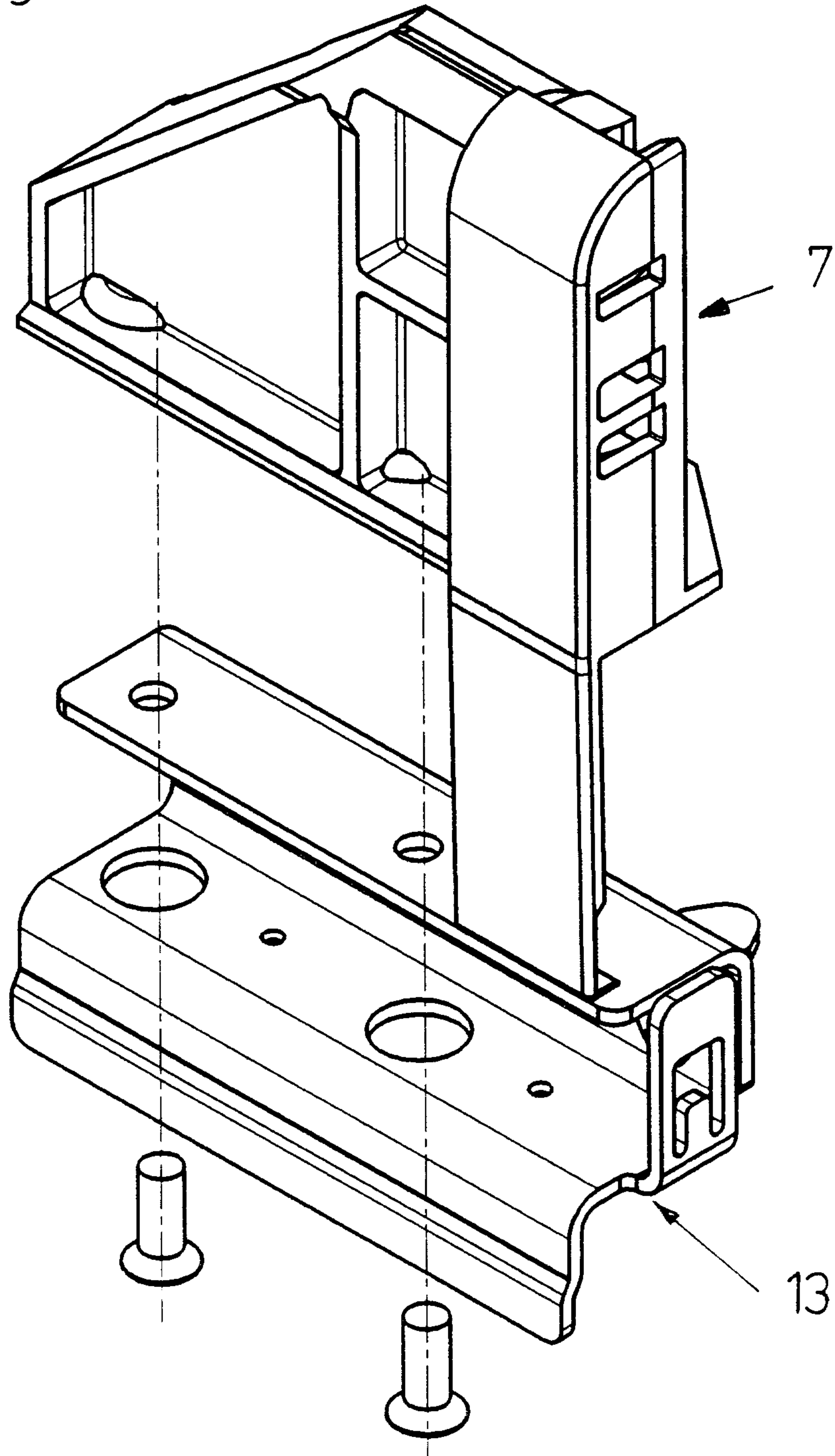


Fig. 10

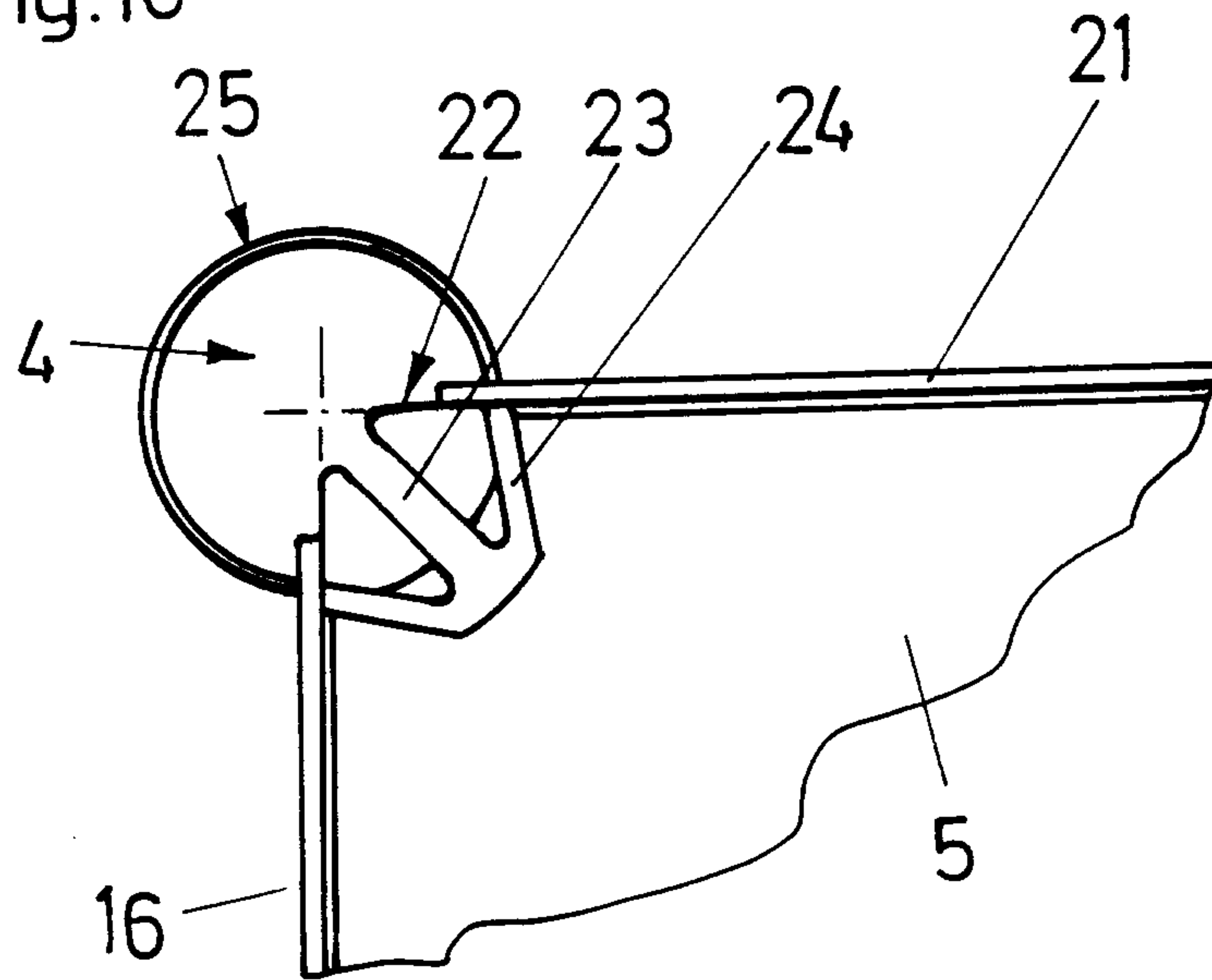


Fig. 11

