Jan. 31, 1939. J. VISSER 2,145,674

HINGEDLY MOUNTED CLOSURE

Filed Aug. 29, 1936

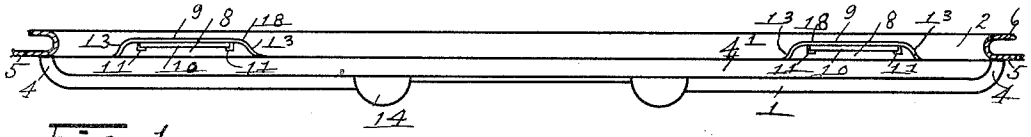


Fig. 1.

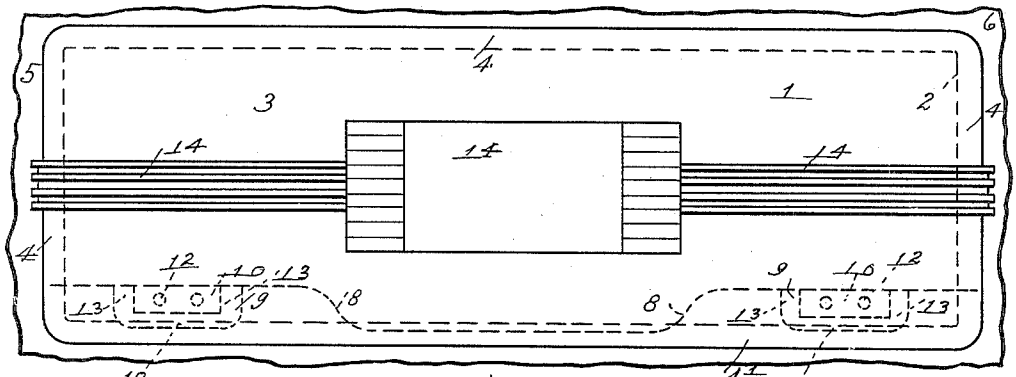


Fig. 2.

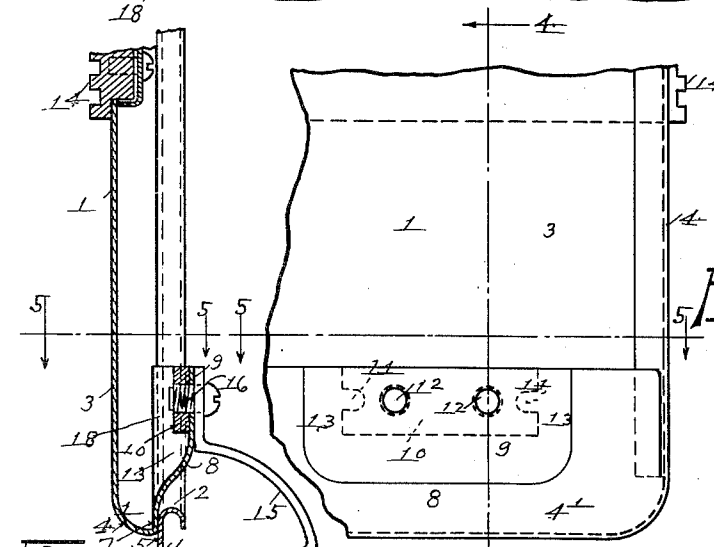


Fig. 3.

Fig. 4.

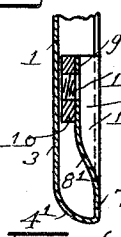


Fig. 6.

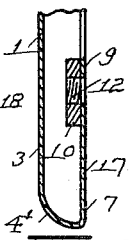


Fig. 7.

Fig 5.

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HINGEDLY MOUNTED CLOSURE

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Application August 29, 1936, Serial No. 98,602

2 Claims. (Cl. 189—46)

The present invention relates to closures and particularly to means for hingedly mounting the same; and its object is to provide in such a closure improved means for fastening the same on its supporting hinges.

This and any other and more specific objects hereinafter appearing are attained by, and the invention finds preferable embodiment in, the illustrative structure particularly described in the body of this specification and illustrated by the accompanying drawing, in which:

Figure 1 is a top plan or upper edgewise view of a hinged closure;

Figure 2 is an elevational front or face view thereof;

Figure 3 is a fragmentary inner side view (enlarged) of a corner portion of the same;

Figure 4 is a vertical sectional view thereof taken on line 4—4 of Figure 3;

Figure 5 is a horizontal sectional view of the same taken on line 5—5 of Figures 3 and 4;

Figures 6 and 7 are fragmental vertical sectional views similar to Figure 4 but illustrating somewhat modified constructions respectively.

In the drawing is illustrated a closure 1 made of sheet metal or the like, adapted to close the door opening 2 of a container such as may be applied to an automobile for holding small articles. This closure has a middle main portion 3 and a peripheral portion 4 bent or turned over inwardly toward and into contacting relation with the outer surface 5 of said container indicated at 6 when the closure is in its shown shut position.

Adjacent one edge of the closure, as its bottom edge in the drawing, the peripheral portion 4^1 after being bent over inwardly into contact with the container's surface 5 is bent upwardly and, spaced inwardly from the closure's middle main portion 3, extends upwardly and in contact at 7 with the container's outer surface 5 below its opening 2 and has a terminal free upper edge portion 9 adapted for the fastening thereto of a suitable hinge 15 shown in Figure 4.

This free edge portion has a reinforcing bar 10 fastened thereon as by said edge portion's bent over clips 11, or otherwise as by spot welding.

The hinge is fastened to said free edge portion 9 by any suitable means as by screws 16 in the holes 12 of said portion and its reinforcing bar.

In Figure 7 the upwardly extending part 17 of said peripheral portion 4^1 is shown parallel with the closure's main portion 3; but in the other views the corresponding part is bent to form a channel portion 18 of the free edge portion to which the hinge is fastened, this channel portion having opposite sides 13 and a bottom therebetween inclined at 8 from the closure's main portion 3 as seen in Figures 1, 2, 3, 4 and 5, and inclined at 8^1 toward said main portion 3 as shown in Figure 6. This channel formation affords a very rigid mounting for the hinge on a thin, light weight closure such as is indicated in the drawings.

Ornamental devices having no purpose or function in this invention are shown at 14.

The spacing of the hinge mounting inwardly from the closure's middle main portion is of particular advantage where the hinge is fastened in place by spot welding or the like, for any injury by such spot welding to the "finish" previously given said portion, is obviated.

It will be seen that this closure including its said portions is unitary or integral, being formed of a single piece or metal sheet.

I claim:

1. A closure adapted to be hingedly mounted on a container for closing its door opening, said closure consisting of a single sheet of metal having its marginal portions extended rearwardly and bent inwardly in a plane spaced from and in substantial parallelism with the body of the sheet to provide a resilient container-abutting portion and having its free edge extended beyond the abutting portion to provide a hinge receiving portion, and a hinge mounted on the container interiorly thereof and having a leaf attached to said hinge receiving portion of the closure and spaced from the abutting portion of the closure and the engaged portion of the container to permit the resilient abutting portion of the closure to be forced into intimate contact with the container throughout the entire abutting area of the closure.

2. A closure adapted to be hingedly mounted on a container for closing its door opening, said closure consisting of a single sheet of metal having its marginal portions extended rearwardly and bent inwardly in a plane spaced from and in substantial parallelism with the body of the sheet to provide a resilient container-abutting portion and having its free edge extended beyond the abutting portion and arranged in substantial parallelism with the body of the sheet and bent laterally to provide an area of channel formation, and a hinge mounted on the container interiorly thereof and having a leaf secured to the extended portion of the closure at the area of channel formation and spaced from the abutting portion of the closure and the engaged portion of the container to permit the resilient abutting portion of the closure to be forced into intimate contact with the container throughout the entire area of said abutting portion.

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