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SUPPORT FOR GLASS CAPSULES CONTAINING PHARMACEUTICAL PRODUCTS

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Fig. 1.

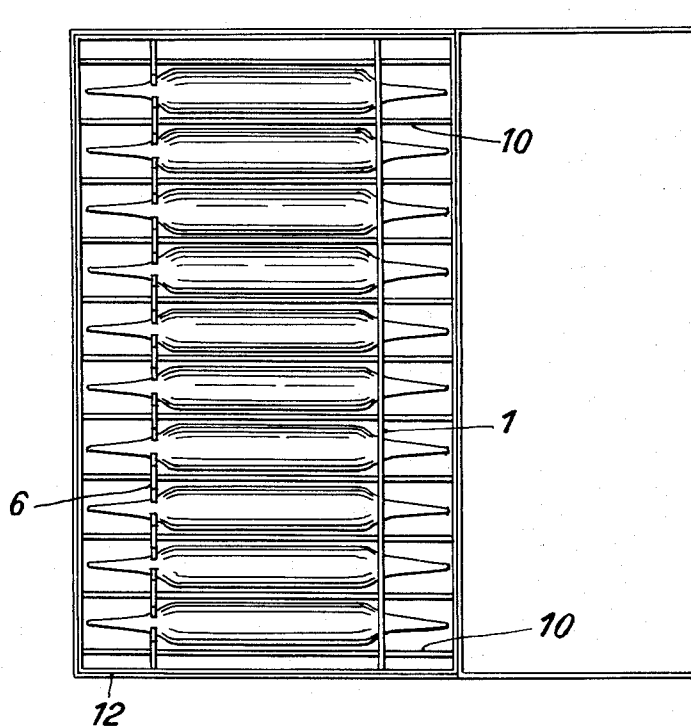
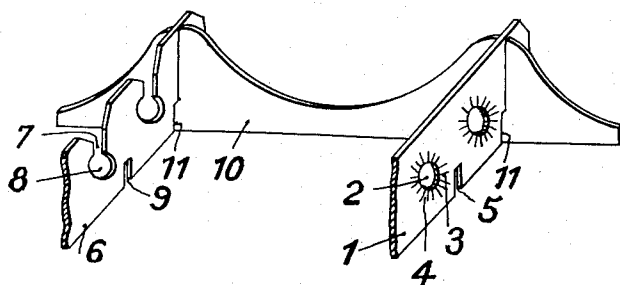


Fig. 2.



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SUPPORT FOR GLASS CAPSULES CONTAINING PHARMACEUTICAL PRODUCTS

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2 Claims. (Cl. 206—65)

Glass capsules containing pharmaceutical products are, as is well known, packed in boxes within which they are supported by fitting into housings cut out in cardboard.

5 In some known supports, the glass capsules are loose and are not correctly held in position; in other supports, these capsules are forcibly inserted in their housings and they run the risk of being broken when they are placed in position.

10 The present invention has for its object a support for double-pointed or bottle-shaped glass capsules, this support being constructed so as to remedy the inconveniences above mentioned and being characterized by the fact that it is provided with circular perforations at the periphery of which radially extending notches are cut out; these notches constitute small tongues resiliently embracing the neck portion of the capsules inserted endwise in the circular perforations, these
15 tongues at the same time pushing back the said capsules so as to hold them, by their other end, in other housings cut out in the support exactly opposite the perforations provided with radially extending notches.

25 The housings adapted to support the capsules on the side opposite to the point inserted in the above perforations are retained between the resilient tongues surrounding the said perforations, are constituted, in the case of double-pointed capsules, by vertical slits guiding the second point of the said capsules and opening at their base in a circular opening, against the edge of which bears each capsule pushed back by the resilient
30 tongues.

35 By this special arrangement of the support according to the invention, the capsules are held against any displacement and do not run the risk of striking against each other and of being broken during transport.

40 In a preferred form of construction of this support, the operations for folding and glueing the cardboard are eliminated.

This support thus constitutes a removable structure allowing to insert the glass capsules in their housings before placing the support in its box, and to remove them all together from the same, with the support, if necessary.

The said support is constituted by two cardboard strips, in one of which are provided the perforations having radially extending tongues, and in the other, openings against the edges of which the capsules bear, these perforated strips being braced and assembled by transverse partitions separating the capsules.

55 In order that the invention may be clearly un-

derstood, this form of construction, adapted to be used for double-pointed glass capsules, will be described hereinafter with reference to the accompanying drawing, in which:

Fig. 1 is a plan view of the support placed in its box. 5

Fig. 2 is a perspective view of a portion of the two perforated strips assembled by means of a bracing partition.

As illustrated in the drawing, the strip 1 is provided with circular perforations 2, of smaller diameter than that of the neck portions of the capsules, and each having, at their periphery, a number of radially extending notches 3 constituting convergent tongues 4. In this strip 1 are also cut out lower slits 5. 15

The strip 6 is provided with openings 7 terminated by a circular bottom 8, and lower slits 9, respectively located opposite the perforations 2 and lower slits 5 of the other strip. 20

Each of the bracing partitions 10, separating the capsules, is provided with two slits 11.

The assemblage is effected by causing the slits 5 and 9 to straddle the slits 11, in such a manner that their bottoms should be in contact. 25

For placing the capsules in position on their support, one of their points is inserted in the perforations 2 until the shoulder of the said capsules bears against the convergent tongues 4 surrounding these perforations and pushes them back. 30

The free end of the capsules is then lowered so as to insert their second point in slits constituted by the openings 7, and to bring their second shoulder in engagement with the circular bottom 8 of each opening. 35

The yielding of the tongues 4 allows to easily place the capsules in position, and as these tongues 4 have a certain resiliency, they exert a thrust on the neck portion of the said capsules, this thrust being adapted to perfectly maintain them against the openings 7 and to hold them stationary whatever may be the position given to the box 12. 40

Moreover, the mode of assemblage and the edgewise arrangement of the strips 1 and 6 and of the partitions 10 render the structure highly undistortable and ensures very reduced cumbersomeness of the same. A box provided with this removable support, holding the capsules, is therefore of great effective capacity. 50

It is to be understood that the present invention also relates to supports for bottle-shaped capsules or other articles, and the forms, materials and dimensions of the support can be va- 55

ried without departing thereby from the scope of the invention.

What I claim as my invention and desire to secure by Letters Patent is:

- 5 1. Support for pharmaceutical capsules comprising a first element, circular perforations regularly spaced in this first element and on the periphery of which radially extending notches are cut out, the said notches constituting small
10 tongues adapted to resiliently embrace one end of the capsules and to push them back in the direction of their length, a second element spaced from the first element to a length which is not less than that of the body of the capsule, hous-
15 ings opposite the said perforations and cut out in this element for receiving the other end of the capsule and adapted to constitute abutments, slits opening into the said housings and means

for keeping constant the spacing of the two elements.

2. Support for pharmaceutical capsules comprising a first strip, circular perforations regularly spaced in this first strip and on the periph- 5
ery of which radially extending notches are cut out, the said notches constituting small tongues adapted to resiliently embrace one end of the capsules and to push them back in the direction of
10 their length, a second strip spaced from the first one to a length which is not less than that of the body of the capsule, housings opposite the said perforations and cut out in this strip for receiving the other end of the capsule and adapted
15 to constitute abutments, slits opening into the said housings, and transverse partitions bracing and assembling both strips.

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