June 19, 1951 J. SHAPIRO 2,557,801

UNDER SHELF ATTACHMENT FOR CONTAINERS

Filed Dec. 8, 1947

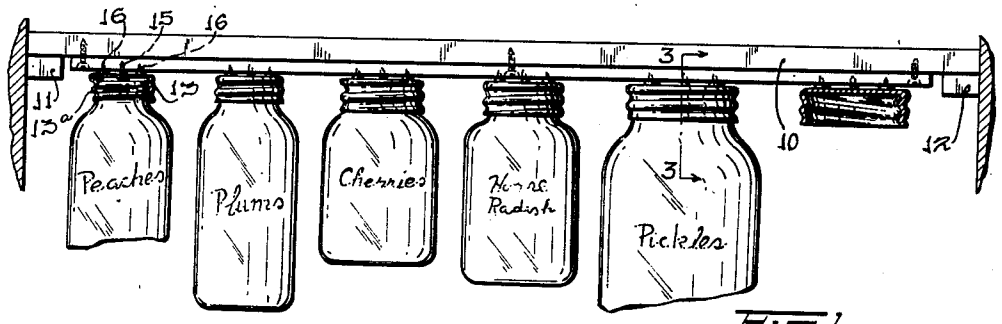


Fig. 1.

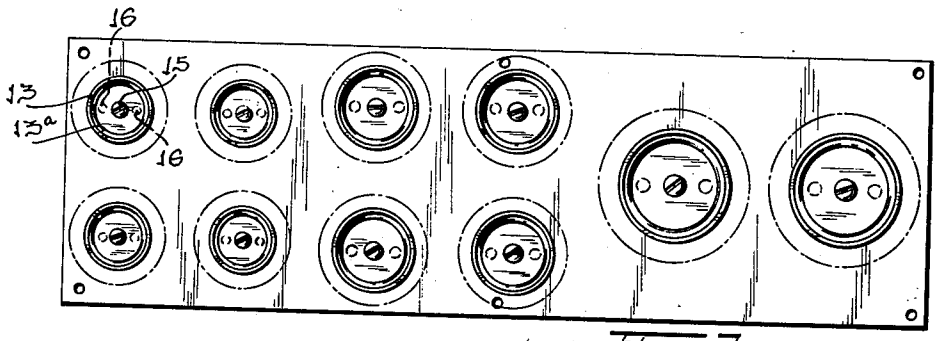


Fig. 2.

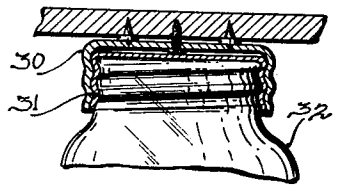


Fig. 3.

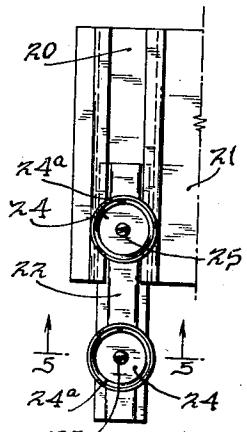


Fig. 4.

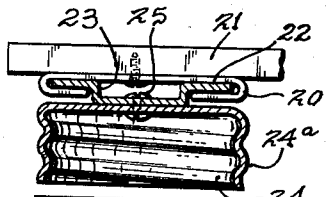


Fig. 5.

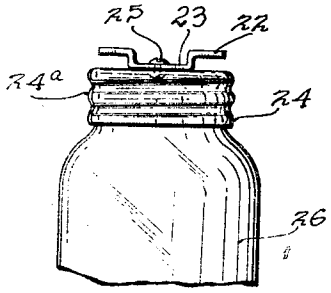


Fig. 6.

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UNDER SHELF ATTACHMENT FOR CONTAINERS

Joseph Shapiro, Brooklyn, N. Y.

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1 Claim. (Cl. 211—75)

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This invention relates to an improved means for supporting bottles of food and the like bottles and similar kinds of bottles and jars under a shelf, so that none of the bottles can be accidentally displaced from the shelf and the upper surface of the shelf may be loaded with packages of any materials, without being placed in the way of the bottles or interfering with the handling of the bottles.

One of the objects of the invention is the provision of a shelf with a series of closure caps secured to the underside of the shelf in spaced relation to each other against rotation on the shelf so that any bottle having a corresponding neck may be coupled to the closure cap and wholly supported thereby for manual removal from the shelf.

Another object of the invention is the provision of a shelf with a slide having a series of bottle supporting caps secured thereto, and a guide attached to the bottom side of the shelf, in which the slide may be shifted inwardly to support the bottles out of the way, or outwardly to expose the bottles for ready detachment or handling.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing, forming a material part of this disclosure:

Fig. 1 is a front elevation of a shelf having a series of different sized bottles secured thereunder, for ready manual detachment.

Fig. 2 is a bottom plan view of the shelf.

Fig. 3 is a detail sectional view, taken on line 3—3 of Fig. 1, looking in the direction of the arrows.

Fig. 4 is a fragmentary bottom plan view of a shelf showing a sliding carrier for a series of bottles.

Fig. 5 is a detail sectional view, taken on line 5—5 of Fig. 4, looking in the direction of the arrows.

Fig. 6 is a detail vertical sectional view of another modified form, showing a screw cap adapted to be coupled to a standard food jar closure cap.

Referring to the drawing, which illustrates the practical embodiments of the invention, 10 designates a conventional shelf of a closet, which may be of any material, and which is supported at its ends, as by means of the ledges 11 and 12.

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It is common practice to arrange bottles on the upper side of shelves, such as the shelf 10, and to place various sized packages of other materials adjacent the bottles. When it is desired to remove one or more packages, or one or more bottles, there is more or less difficulty in locating the wanted package or bottle, and in the effort to overcome this confusion, packages and bottles may fall from the shelf.

It frequently happens that a considerable space is left under any shelf, due to the fact that the next lower shelf is not loaded up to the ceiling established by the shelf above it.

To promote orderly disposition of bottles and packages in a closet, a holding cap 13 is provided which is secured to the underside of the shelf, as by means of a screw or fastener 15, and by one or more locating pins 16, designed to prevent the cap from turning under and against the shelf. A large number of these holding caps may be thus arranged under the shelf, in any group arrangement which may be found advisable.

Each cap may be formed with the usual molded screw thread 13a, designed to have coupling engagement with the external screw thread of the neck of the bottle to be supported by it.

When it is desired to hold fruit and similar jars under the shelf, in the general arrangement shown in Fig. 2, small and large jar caps may be secured against the bottom face of the shelf, and the container jars or bottles secured to these caps.

The space above the shelf may then be entirely utilized for holding packages of any materials or foods, so that the bottles do not obstruct the packages and are not exposed to accidental displacement from the shelf. To remove any attached jar or bottle, it is necessary to manually unscrew the jar or bottle from its supporting cap.

In the arrangement shown in Figs. 4 and 5, a series of channel shaped guides 20 are secured to the underside of the shelf 21, in parallel relation to each other. Each of these guides is constructed to receive a sliding carrier or plate 22, and each carrier plate is formed with a longitudinal channel 23, against which the top faces of the closure caps 24 are secured, as by the rivets or fasteners 25, against relative turning on the sliding carrier plate.

Each of the caps 24 is provided with a screw thread 24a, designed to engage and support the neck of a container or jar 26. All of the con-

tainer jars of any sliding carrier plate may be removed from the underside of the shelf.

Due to the channel construction of the carrier plate, a number of filled jars may be safely supported on it. The channel shaped guides **20** also serve to reinforce the shelf.

This invention will materially increase the capacity of any home or closet used for the storage of jar and packaged food, permits dependable classification, and simplifies handling of the different classes of packaged and canned foods.

Fig. 6 shows a modified form of the invention, wherein the screw cap **30** which is permanently attached to the shelf is adapted to be coupled on the conventional threaded jar closure cap **31** of the food jar **32**.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claim.

Having thus described my invention, what I claim as new and desire to secure by United States Letters Patent is:

A jar hanger, comprising a channel-shaped guide for attachment to the underside of a shelf with its open side directed downward and having an open end at the front thereof, a carrier slidably engaged in said guide from the open front end thereof, said carrier having an elongated channel intermediate its side edges which depends through the open side of said channel, and a plurality of screw caps mounted on said carrier with their top faces in facial contact with the bottom of said elongated channel for supporting food jars in pendant relation to the shelf, whereby a plurality of jars supported from the carrier can be removed from said guide by sliding said carrier out of the open front end of said guide.

JOSEPH SHAPIRO.

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