

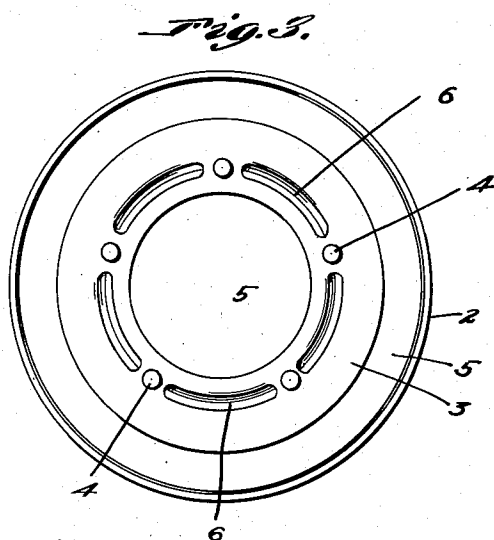
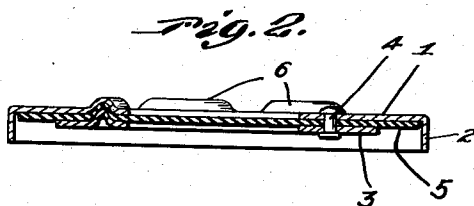
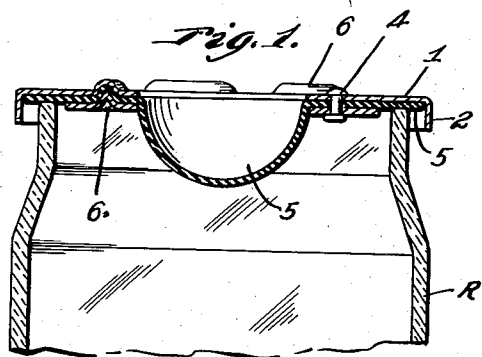
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RECEPTACLE CLOSURE AND SEAL

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RECEPTACLE CLOSURE AND SEAL

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3 Claims. (Cl. 215—38)

This invention relates to a closure and seal for various kinds of receptacles, the general object of the invention being to provide an air-tight closure for a receptacle which is so constructed that it can be readily placed on the top of the receptacle and removed therefrom and one can ascertain very quickly whether there is any leakage between the device and the top of the receptacle.

This invention also consists in certain other features of construction and in the combination and arrangement of the several bars to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which—

Figure 1 is a sectional view through a receptacle with the improved seal thereon.

Figure 2 is a view of the seal with the central part of the rubber disk in normal position.

Figure 3 is a bottom plan view of the device.

As shown in these views the cover or seal includes a main part 1 of ring shape with a depending flange 2 at its outer circumference and a smaller ring-shaped part 3 of substantially flat construction, the two ring-shaped parts having their central openings in alignment when the parts are connected together by the rivets 4 or other fastening means. A disk 5 of rubber or the like is clamped between the two parts with the central portion extending across the opening formed by the two members and with its outer portion extending beyond the member 3. If desired, arcuate grooves 6 may be formed in the two members 1 and 3, the ribs formed by the grooves in the lower member 5 pressing portions of the rubber disk into the grooves formed by the ribs in the upper member 1 and these ribs and grooves are located between the rivets as shown in Figure 3.

The devices are made in various sizes and the size used with a particular receptacle such as that shown in R in Figure 1 should be such that the inner member 3 is spaced from the internal walls of the mouth of the receptacle and the flange 2 is spaced from the exterior walls thereof as shown in Figure 1. Thus only the rubber seats upon the mouth of the receptacle and therefore forms a seal.

After the receptacle is filled or nearly so the cover member or shield is placed thereon as

shown in Figure 1 and then the inner portion of the rubber disk which is exposed through the center opening of the member 1 is pressed inwardly to the position shown in Figure 1. If this depression remains in the disk then a complete seal has been made between the cover and the mouth of the receptacle. To remove the cover or seal one edge thereof is held in one hand and the other hand has its thumb pressed down against the center of the disk and at the same time the edge of the seal is lifted with the first hand. This will permit the seal or cover to be easily and quickly lifted off of the receptacle.

This seal or cover can be used on any kind of a container or receptacle so long as the receptacle or container has a level upper edge and it can be used with cold or hot material placed in the container. As will be seen it is only required to press downwardly the central portion of the disk to make the seal and it automatically tells when a true seal has been secured for if this is not true then the depressed part returns to normal position. As the cover is practically flat other receptacles can be placed on the bottom one when stored or shipped. By using the ribs and grooves as shown there is no danger of the rubber disk being pulled from between the plates and by having the flange to extend well below the top of the receptacle or container it will protect the operator from hot juices or the like while he is placing the device on the receptacle. It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts provided that such changes fall within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A seal forming cover for a receptacle comprising an upper plate, a lower plate, both plates having centrally arranged openings therein and a disk of rubber or the like held between the two plates with the lower plate of less diameter than the disk to permit the disk to rest on the upper end of the receptacle, the disk passing across the opening and adapted to have its central portion pushed downwardly to form a seal between the disk and the mouth of the receptacle.

2. A seal forming cover for a receptacle comprising an upper plate, a lower plate, both plates having centrally arranged openings therein and a disk of rubber or the like held between the two

plates with the lower plate of less diameter than the disk to permit the disk to rest on the upper end of the receptacle, the disk passing across the opening and adapted to have its central portion pushed downwardly to form a seal between the disk and the mouth of the receptacle, the upper plate having a depending flange at its outer periphery.

3. A seal forming cover for a receptacle comprising an upper plate, a lower plate, both plates having centrally arranged openings therein and a disk of rubber or the like held between the

two plates with the lower plate of less diameter than the disk to permit the disk to rest on the upper end of the receptacle, the disk passing across the opening and adapted to have its central portion pushed downwardly to form a seal between the disk and the mouth of the receptacle, and groove forming ribs on the two plates interengaging each other with the ribs of the lower plate pressing portions of the rubber disk into the grooves of the upper plate.

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