

No. 726,321.

PATENTED APR. 28, 1903.

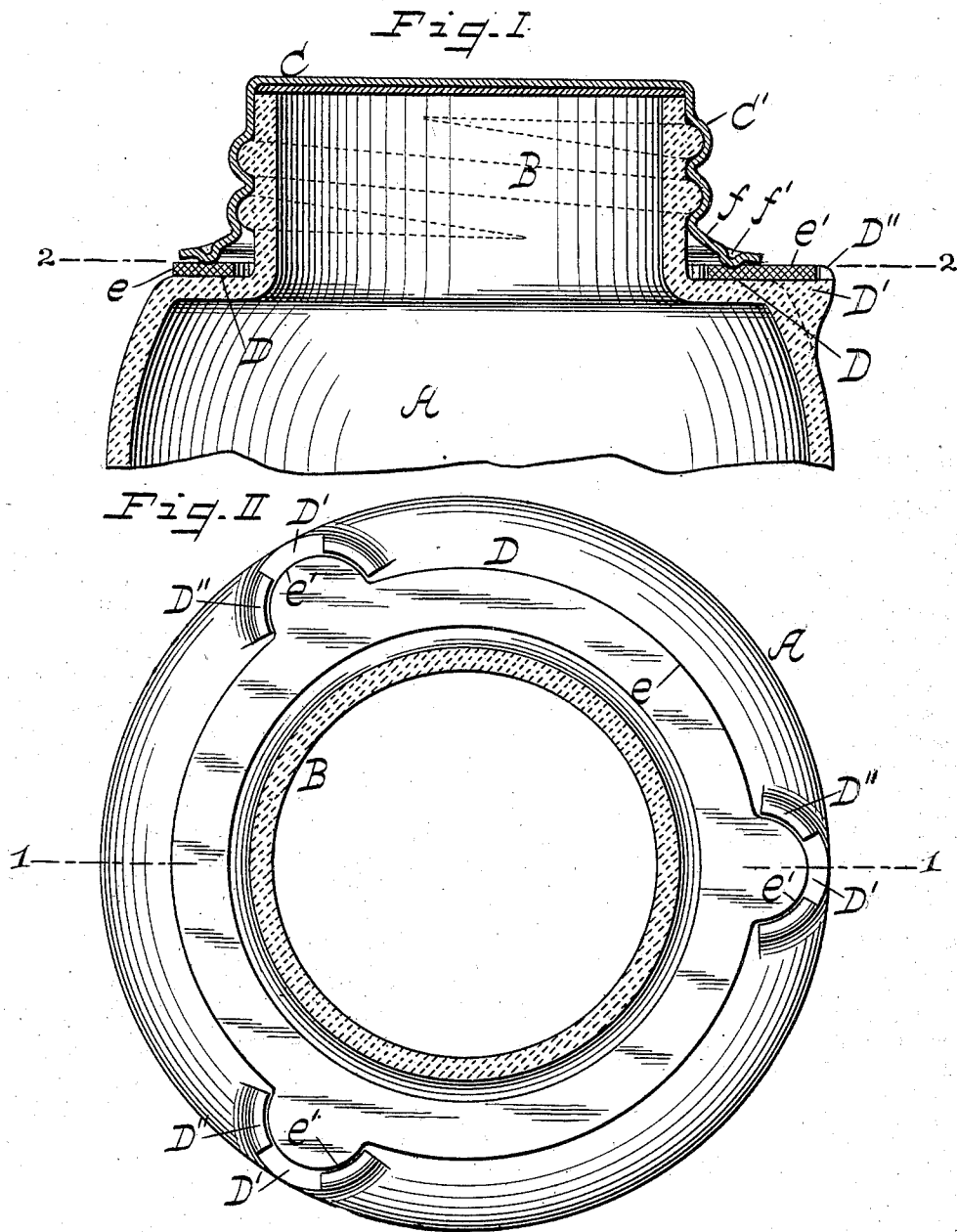
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RECEPTACLE AND PACKING RING THEREFOR.

APPLICATION FILED FEB. 8, 1902.

NO MODEL.



WITNESSES

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RECEPTACLE AND PACKING-RING THEREFOR.

SPECIFICATION forming part of Letters Patent No. 726,321, dated April 28, 1903.

Application filed February 8, 1902. Serial No. 93,193. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. MASON, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Receptacles and Packing-Rings Therefor, of which the following is a specification.

My invention relates to those receptacles of various kinds which are provided with threaded screw caps or covers and such as employ a packing ring or gasket usually made of rubber, as preserve-jars and the like. In receptacles of this character it has hitherto been found in practice very difficult to remove the cover or cap after it has been screwed onto the receptacle and remained thereon for any period of time. This has especially been found the case with preserve-jars, which in order to loosen the cap or cover sufficiently to allow of its removal it has generally been found necessary to place in hot water, resulting often in the breaking or cracking of the jar. My invention is designed to overcome this difficulty in removing the cover or cap and also to provide the receptacle with a cover or cap formed in a manner better adapted to give assurance of its being absolutely air-tight.

In unscrewing the cap or cover of receptacles of the character mentioned it is desirable in order to facilitate such removal to loosen or unseat the packing-ring, thus allowing of the admission of air. In packing-rings of the present construction it is extremely difficult, if not well nigh impossible, to do this. This difficulty I have overcome in my present invention by providing the packing-ring with one or more, as may be deemed desirable, ears or projections of any sufficiently convenient size or shape by means of which without the use of mechanical means the ring may be readily drawn or pulled by hand from beneath the screw-cap, thus allowing the entrance of air, and a consequent removal of the cap from the receptacle with ease.

Although not absolutely necessary for the proper carrying out of my invention, it may be considered desirable by some persons that

means be provided to prevent the projections or ears from extending over the side of the receptacle, whereby they might be torn off or otherwise prove undesirable. This may be accomplished in a number of different ways, any one of which will be perfectly obvious to those skilled in the art. The construction for this purpose which I have illustrated in the drawings, hereinafter referred to, provides a receptacle having one or more peripheral lugs or offsets, according to the number of ears or projections on the packing-ring used in the particular instance, on which the ears or projections may rest. With these means the projections or ears may be afforded lateral support by providing the peripheral lugs or offsets with a border or raised surface, partially or entirely, as may be preferred in the particular instance, surrounding the edges thereof.

So that a clear understanding of the invention may be had, attention is directed to the accompanying drawings, in which corresponding parts are marked with similar letters of reference in each of the figures.

It is to be understood that I do not limit myself to the particular form of device illustrated, but that my invention may be carried out in any suitable manner.

In the drawings, Figure 1 shows a vertical section of the upper portion of a receptacle embodying my invention, the plane of the section being indicated by the line 1 1, Fig. 2; and Fig. 2 represents a horizontal section thereof in the plane of the line 2 2, Fig. 1.

A indicates a portion of the body, and B the neck of the receptacle, the neck being threaded to receive the screw cap or cover C in the usual way. At the top of the body A and at the lower end of the neck B is located a shoulder D, forming a seat or rest for the packing-ring *e*, upon the latter of which are ears or projections *e'*, the drawings showing in this instance three in number. Extending outward from the shoulder D are peripheral lugs or offsets *D'*, which in shape and position correspond approximately to the shape and position of the ears or projections *e'*, so that when the packing-ring *e* is placed on said shoulder D the ears or projections

register with and rest upon the said offsets, as more clearly shown in Fig. 2. A rim or border D'' , which, as may be desired, either wholly or partially surrounds each of the offsets D' , serves to engage the edge of the respective projections or ears e' , so as to increase the effect of the said offsets by affording a lateral support thereto. The projections or ears e' are thus held firmly and protected against accidental contact with adjacent objects. If the border D'' be formed so as to only partially (as shown in the drawings) surround the offsets, it is more preferable, as it then proves more convenient to grasp the projections or ears e' in the operation of loosening the packing-ring e .

When the screw cap or cover C is to be removed, either or all of the ears or projections e' are taken hold of and pulled outward, so as to loosen and partially withdraw the packing-ring e from its seating-shoulder D , thus leaving the cap or cover free to be unscrewed from the jar. The screw-cap C is formed of any suitable material, and its thread C' terminates at the lower edge of the cap in a flange f , which is circular and projects in an outward direction and which has a circular rib or bead f' depressed therein, this rib or bead, like the thread, being integral with the cap. When the screw-cap C is adjusted on the neck B , the circular flange rib or bead f' is the only part of the cap brought in contact with the packing-ring, as shown in Fig. 1, and it will be apparent that the said rib or bead thus tends to produce an effective air-tight joint between the cap and the ring.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a packing-ring provided with one or more projections or ears substantially as described.

2. As a new article of manufacture a packing-ring provided with one or more projections or ears, in combination with a receptacle having a ring-seating shoulder substantially as described.

3. As a new article of manufacture a pack-

ing-ring provided with one or more projections or ears, in combination with a receptacle having a ring-seating shoulder, formed with peripheral offsets or lugs to receive and support said projection or ears substantially as described.

4. As a new article of manufacture a packing-ring provided with one or more projections or ears, in combination with a receptacle having a ring-seating shoulder formed with peripheral offsets or lugs to receive and support the said projections or ears, and means for preventing rotation of said packing-ring substantially as described.

5. As a new article of manufacture a packing-ring provided with one or more projections or ears, in combination with a receptacle having a ring-seating shoulder formed with peripheral offsets or lugs to receive and support said projections or ears, and means for protecting the said projections or ears substantially as described.

6. As a new article of manufacture a packing-ring provided with one or more projections or ears, in combination with a receptacle having a ring-seating shoulder formed with peripheral offsets or lugs to receive and support said projections or ears, and a border on each of said offsets to engage the edge of the respective projections or ears substantially as described.

7. As a new article of manufacture a packing-ring provided with one or more projections or ears, in combination with a receptacle having a ring-seating shoulder formed with peripheral offsets or lugs to receive and support said projections or ears, and a border on each of said offsets partially surrounding the projections or ears and allowing ready access for the removal of the said projections or ears, substantially as described.

Signed at New York, in the county of New York and State of New York, this 31st day of December, A. D. 1901.

JOHN L. MASON

Witnesses:

CHAS. WAHLERS,
J. W. LIVELY.