No. 615,483. Patented Dec. 6, 1898.

W. GINALSKI.

COVER FOR VESSELS OR RECEPTACLES.

(Application filed July 27, 1898.)

(No Model.)

Fig. 1.

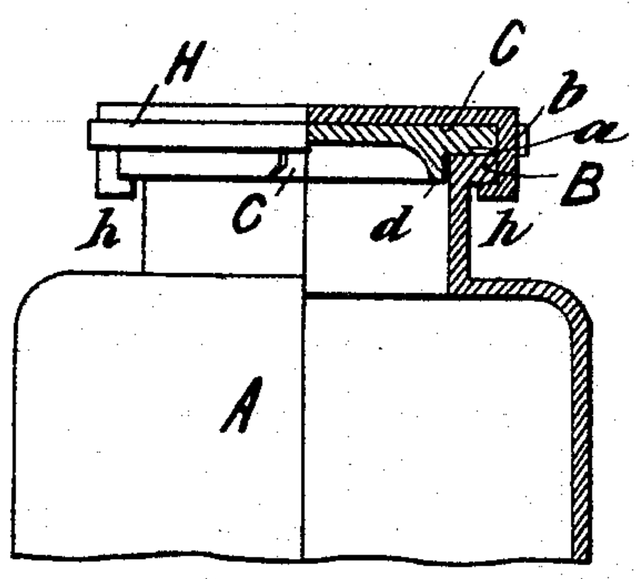


Fig. 2.

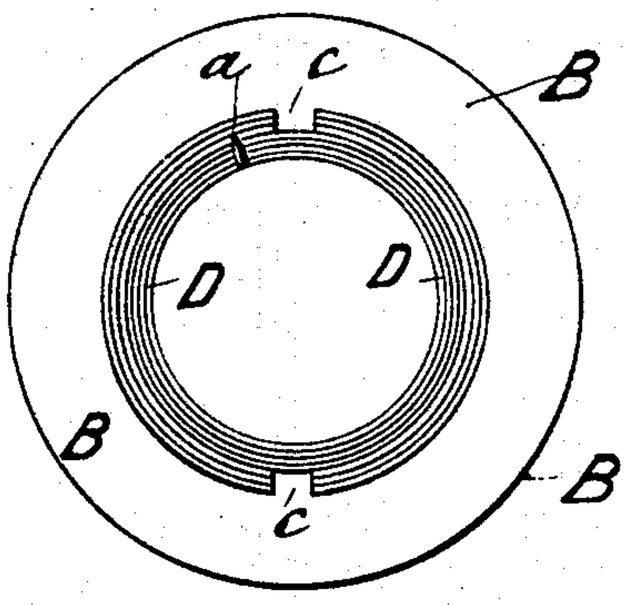


Fig. 3.

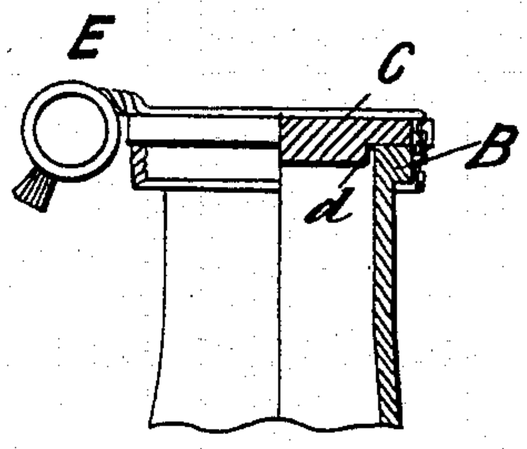


Fig. 4.

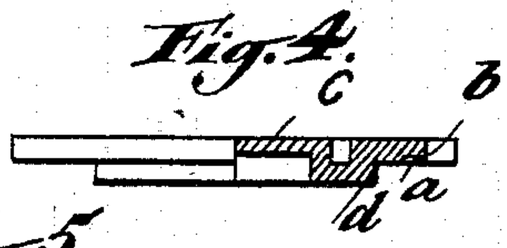


Fig. 5.

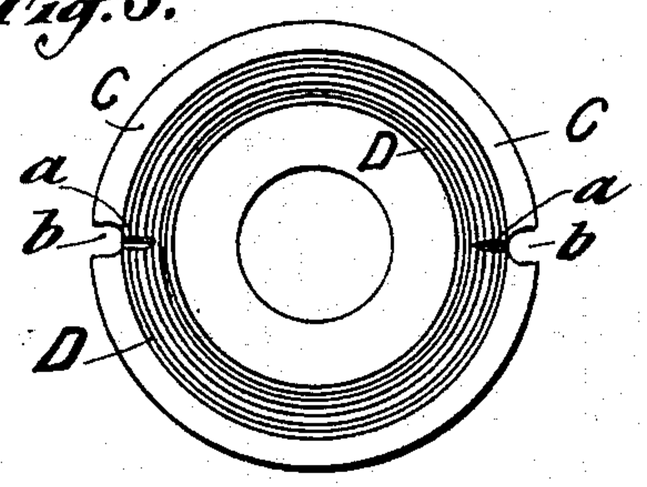


Fig. 7.

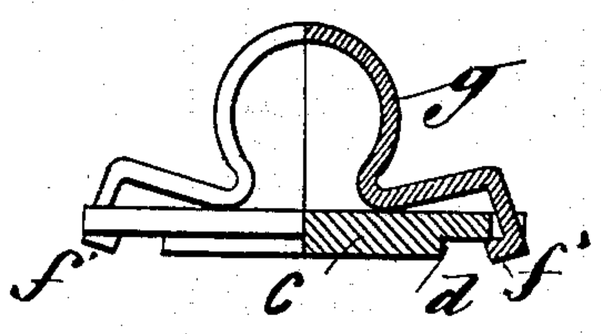
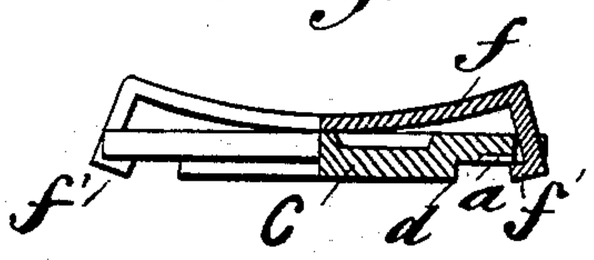


Fig. 6.



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UNITED STATES PATENT OFFICE.

WLADYSLAW GINALSKI, OF NOVO-KAMIENNAIA, RUSSIA.

COVER FOR VESSELS OR RECEPTACLES.

SPECIFICATION forming part of Letters Patent No. 615,483, dated December 6, 1898.

Application filed July 27, 1898. Serial No. 687,011. (No model.)

To all whom it may concern:

Be it known that I, WLADYSLAW GINALSKI, a subject of the Emperor of Russia, residing at Novo-Kamiennaia, Russia, have invented certain new and useful Improvements in or Relating to Covers for Vessels or Receptacles, of which the following is a specification.

My invention relates to closing means for fruit-jars, glass vessels, bottles, jars, flasks, and other similar receptacles; and the object of my invention is to provide such closing means as will form a substantially hermetical seal and will at the same time be susceptible of being easily opened.

The invention consists in the improved receptacle, its closure, means for securing said closure upon the receptacle, and in the combination and arrangement of the various parts of these elements.

My invention is fully illustrated in the accompanying drawings, in which—

Figure 1 is a side view, partially in section and partially in elevation, of the upper portion of a receptacle, (this receptacle being shown as a fruit-jar,) its closure, and the means for securing the latter to the former. Fig. 2 is a top plan view of my improved receptacle. Fig. 3 is a side view, partially in section and partially in elevation, of a certain modification of my invention. Fig. 4 is a view, half in section and half in elevation, of a modified form of the closure. Fig. 5 is a top plan view of the closure shown in Fig. 1, and Figs. 6 and 7 are views showing modified forms of the securing means for the closure.

In said drawings, A indicates a glass jar, whose neck *h* is provided about its upper edge with an external flange B, the top surface of which, and also the top surface of the flange, is ground off perfectly plane and smooth, as shown by lines D.

C indicates the cover or closure for the jar. Said cover consists of a disk formed of glass or other suitable material and approximately the size and shape of the top of the neck of the jar and having its under surface where the same rests upon the upper ground surface of the jar-neck ground off smooth corresponding to said top surface of the jar-neck. Said closure C is provided with an enlargement *d* on the under side thereof, which closely fits within the neck of the bottle and which may be either of uniform thickness or may be in the form of a flange, such as is shown in Fig. 1, or as is shown in Fig. 4.

In consequence of a lowering of temperature following the closing of the jar and a resultant rarefaction of the air therein a vacuum that will more or less tend to prevent the removal of the closure until said vacuum is destroyed will be formed. Hence I have provided an air-vent which consists of a pair or pairs of depressions *a*. The one of the depressions in each pair is situated on the top of the jar-neck and the other on the under face of the corresponding portion of the under surface of the closure, one communicating with the atmosphere and the other with the inside of the jar. By turning the closure on the top of the jar these depressions will be brought into coincidence with each other, and thus form the desired air-vent, as will be apparent.

The means for securing the closure in place may consist of a piece of wire, twine, &c., which is passed over the top of the closure and around the jar-neck and tied or otherwise secured and prevented from sliding off by notches or recesses *b* and *c*; or said securing means may be a clamp *f*, formed of a flat or square curved strip of spring metal having its extremities bent downwardly, as shown in Fig. 6, to form hooks or clips *f'*. In Fig. 7 the clamp shown is substantially like that shown in Fig. 6 and just described, with the exception that it is provided with an almost circular hump *g*, projecting upwardly on said clamp. Since the clamp in this case has the same curvature as that shown in Fig. 6, it will be seen that owing to the hump *g*, which should be of appreciable size, the bearing-point of said clamp on the cover is divided, so that contact is made at two points on the cover and near where said cover bears on the top of the jar.

I have shown both forms of the clamp as being mounted permanently on the cover with the clips *f'* inserted in the recesses *b*, thus providing in said clamp and the cover practically a single article; but it is obvious that these parts may be readily separated, if desired.

In applying the cover to the jar and securing the same thereon it is only necessary to

depress the extremities of the clamp, whereupon its hooks or clips will engage with the flange B. Said clips should of course be depressed when they are opposite the recesses *c* in the top of the jar.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is--

1. The combination of a receptacle and a cover therefor closely fitting over the mouth thereof and having contact therewith for an appreciable distance toward the exterior, said receptacle and the cover being provided with depressions in the contacting portions of their surfaces, the depression or depressions of the cover being adapted to be turned therewith into coincidence with the depression or depressions of the receptacle to form an air vent or vents, substantially as described.

2. The combination of a receptacle and a cover therefor having the coincident portions of their top and bottom surfaces, respectively, ground off plane for an appreciable distance toward the exterior, said receptacle and the cover being provided on said ground portions of their surfaces with depressions, the depression or depressions of the cover being adapted to be turned therewith into coincidence with the depression or depressions of the receptacle to form an air vent or vents, substantially as described.

3. The combination of a receptacle having a surrounding flange near its mouth, a cover for said receptacle, said receptacle and the cover having the coincident portions of their top and bottom surfaces, respectively, ground off plane for an appreciable distance toward the exterior, and said receptacle and the cover being provided on said ground portions of their surfaces with depressions, the depression or depressions of the cover being adapted to be turned therewith into coincidence with the depression or depressions of the receptacle to form an air vent or vents, and a clamp for securing said cover to the receptacle extending over and bearing on the cover and engaging the flange, substantially as described.

In witness whereof I hereto set my hand in the presence of the two subscribing witnesses.

WLADYSLAW GINALSKI.

Witnesses:
ALEKSANDER STASZCROSKI,
BASIL BIELAVSKY.