(No Model.)

J. SCHIES.

JAR AND SEALING DEVICE FOR SAME.

No. 587,239. Patented July 27, 1897.

Fig. 1.

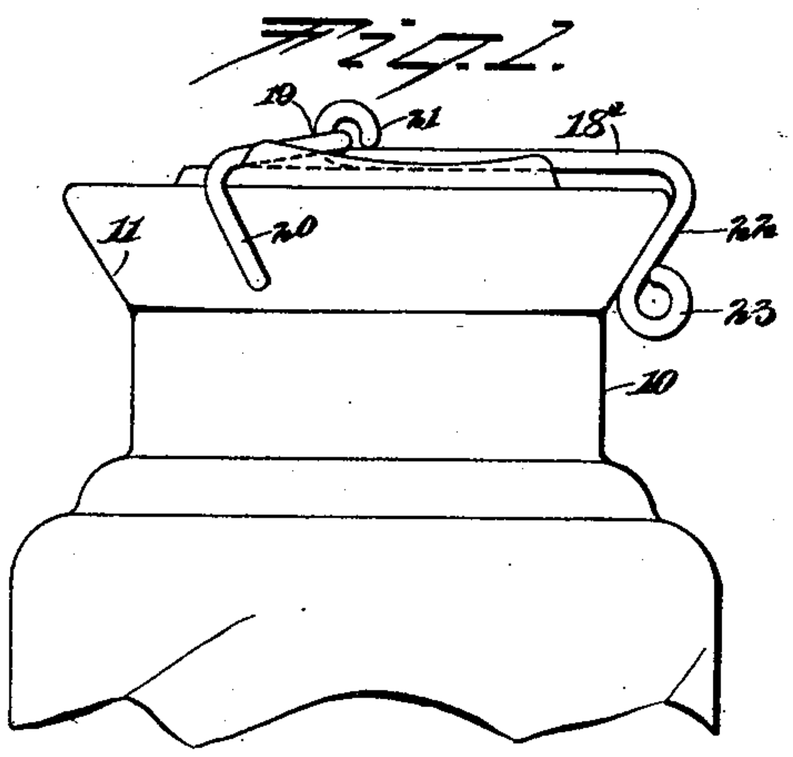


Fig. 2.

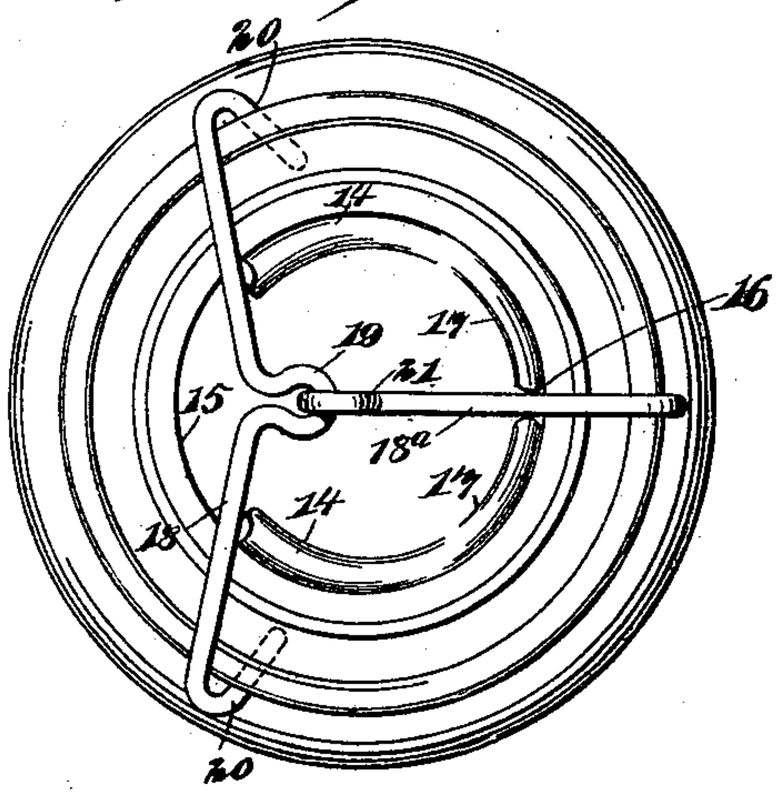


Fig. 3.

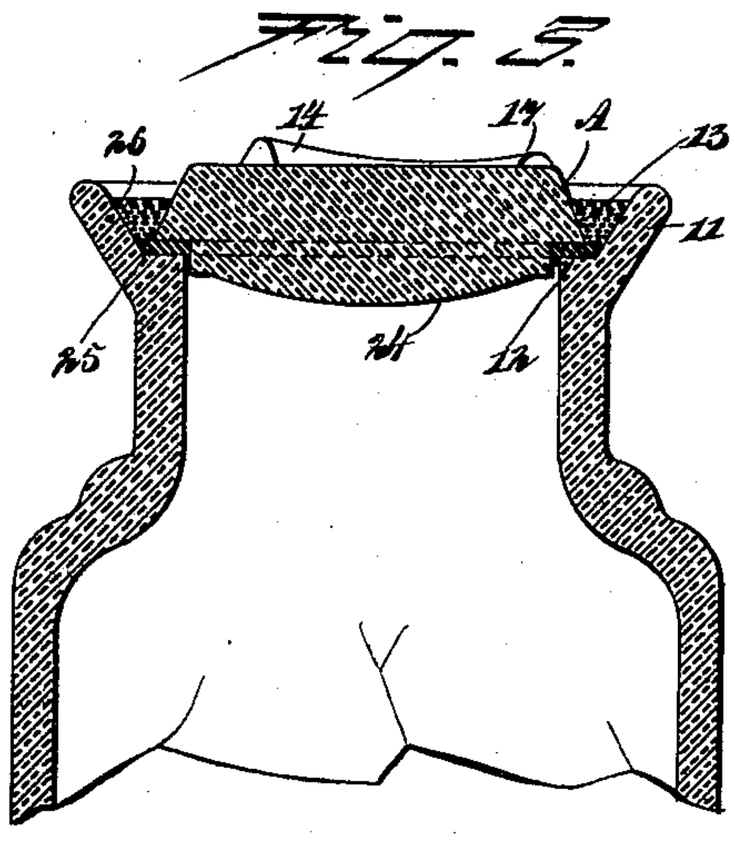
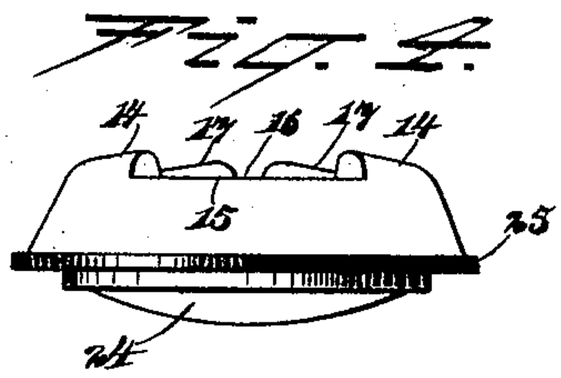


Fig. 4.



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JAR AND SEALING DEVICE FOR SAME.

SPECIFICATION forming part of Letters Patent No. 587,239, dated July 27, 1897.

Application filed May 28, 1896. Serial No. 593,486. (No model.)

To all whom it may concern:

Be it known that I, JOHN SCHIES, of Anderson, in the county of Madison and State of Indiana, have invented a new and useful Improvement in Jars and Sealing Devices for the Same, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in jars, bottles, and the like; and it has for its object to provide a jar and a cover for the same of simple and inexpensive construction and of neat appearance and which shall be adapted for use either with or without a sealing-wax or a sealing compound; and a further object of the invention is to construct a fastening device provided for use in connection with the said jar and being adapted to hold the stopper or cover securely in place, which fastening device may be expeditiously and conveniently applied, and when applied will not leave its position until purposely removed.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the neck portion of a jar having the improvement applied. Fig. 2 is a plan view of the jar and cover with the fastening device shown in Fig. 1. Fig. 3 is a vertical section through the jar and the cover, the fastening device being removed. Fig. 4 is a side elevation of the cover or stopper shown in Fig. 3 removed from the jar.

The neck 10 of the jar is provided with an outwardly and upwardly extending marginal flange 11, and at the bottom of the inner face of the aforesaid flange an annular seat 12 is formed, adapted as a support for a horizontal flange 13, produced upon the side surface of the stopper or cover A by reducing the lower portion of the said stopper to such an extent that the reduced part will fit neatly in the upper portion of the mouth of the jar. The cover-flange 13 is annular and is preferably given an upward and inward taper the reverse of the inclination of the jar-flange 11, forming thereby practically a V-shaped trough between the stopper or cover A and the flange 11 of the jar when the stopper is in sealing position, as is shown in Fig. 3.

Two oppositely-disposed ribs 14 are made upon the top of the cover or stopper A, preferably concentric with its center, and a space or a recess 15 intervenes the opposing outer ends of the said ribs, as is shown in Figs. 2 and 4. These ribs may be and preferably are given a longitudinally-tapering shape, and are either connected with or form an integral portion of two other ribs 17, which taper upward in direction of their inner or opposing ends, forming a recess 16 between the said ends diametrically opposite to the center of an opposing recess 15. If these ribs 14 and 17 were continued, they would form practically a ring.

The locking device employed for this form of stopper or cover is of substantially T-shape, comprising a head member 18 and a shank member 18ª, both made of a spring material—as, for example, spring-wire. The head member 18 of the fastening device is provided with a central loop 19, formed by properly bending the wire upon itself, and with downwardly and inwardly extending arms 20, adapted to engage with the outer face of the flaring flange 11 of the jar. The shank member 18ª is connected with the loop 19 of the head member, preferably through the medium of an eye 21, and the outer end of the shank member is bent to form a downwardly and inwardly extending arm 22, also adapted for engagement with the outer side surface of the jar-flange, but the arm 22 of the shank member has an enlargement at its end, forming a handle 23.

The stopper or cover A has its under face 24 convexed, so that when the stopper or cover is placed in position on the jar its bottom will force the air out at the sides and enable the jar to be filled to its utmost capacity. Between the flange of the cover or stopper and the annular flange 12 of the jar a washer 25 is preferably interposed. If found desirable, the fastening device may be omitted and the trough formed by the jar-flange and stopper be provided with a filling 26 of cement, as shown in Fig. 3, or the cement may be used in addition to the fastening device.

In the application of the fastening device shown in Fig. 2 the head member 18 is car-

ried over the recessed portion 15 of the cover, and its arms 20 are made to engage with the outside of the jar-flange, the shank member being at that time somewhat adjacent to one end of the head member. The head member being in position, the arm of the shank member is carried around the outside of the jar-flange until the said shank member will enter the recess 16, and in making a partial circuit of the jar the head member will be drawn inward at its center, it being sufficiently resilient to admit of such action.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A jar having a cover, the upper side of which is formed with four ribs in circular alinement with each other, two of the ribs being arranged with their contiguous ends in close proximity so as to form a narrow recess and the remaining two of the ribs having their contiguous ends separated to form a recess wider than the first recess, the center of the said wide recess being diametrically opposite the first-named recess and a T-shaped clamping device consisting in two pivotally-connected sections, the clamping device being resilient and the upper portion or head of the T being capable of bending to pass both arms through the large recess and the terminals of the said upper portion or head of the T being formed with hooks capable of engaging the neck of the jar, the remaining portion of the clamping device extending through the small or first-named recess and having a hook capable of engaging the neck of the jar at a point opposite the center of the large recess, substantially as described.

2. A jar having a cover, the upper side of which is plane and provided with two recesses, one recess being of a size greater than that of the remaining recess and the two recesses being oppositely arranged, and a T-shaped clamping device, the head of which is flexible and the arms of said T being passed through the large recess while the outer extremities of said arms engage the neck of the jar, and the remaining portion of the clamping device passing through the small recess and having its outer extremity engaged with the neck of the jar, substantially as described.

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Witnesses:
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