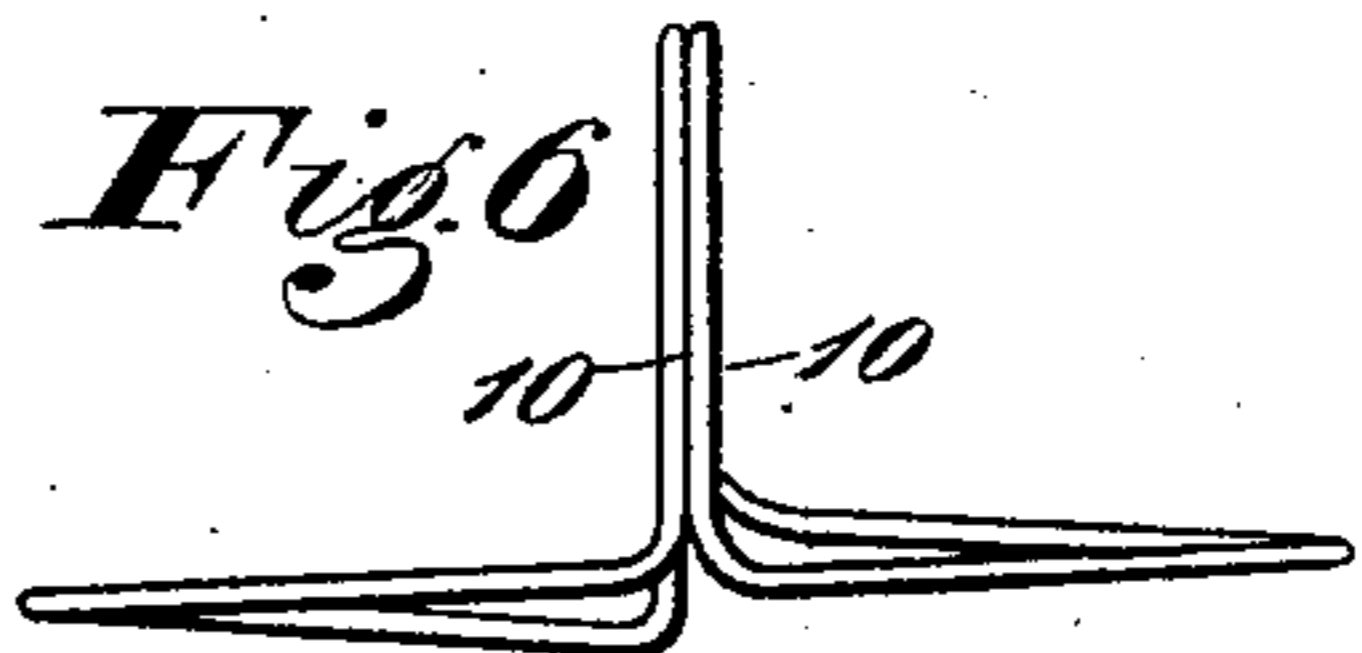
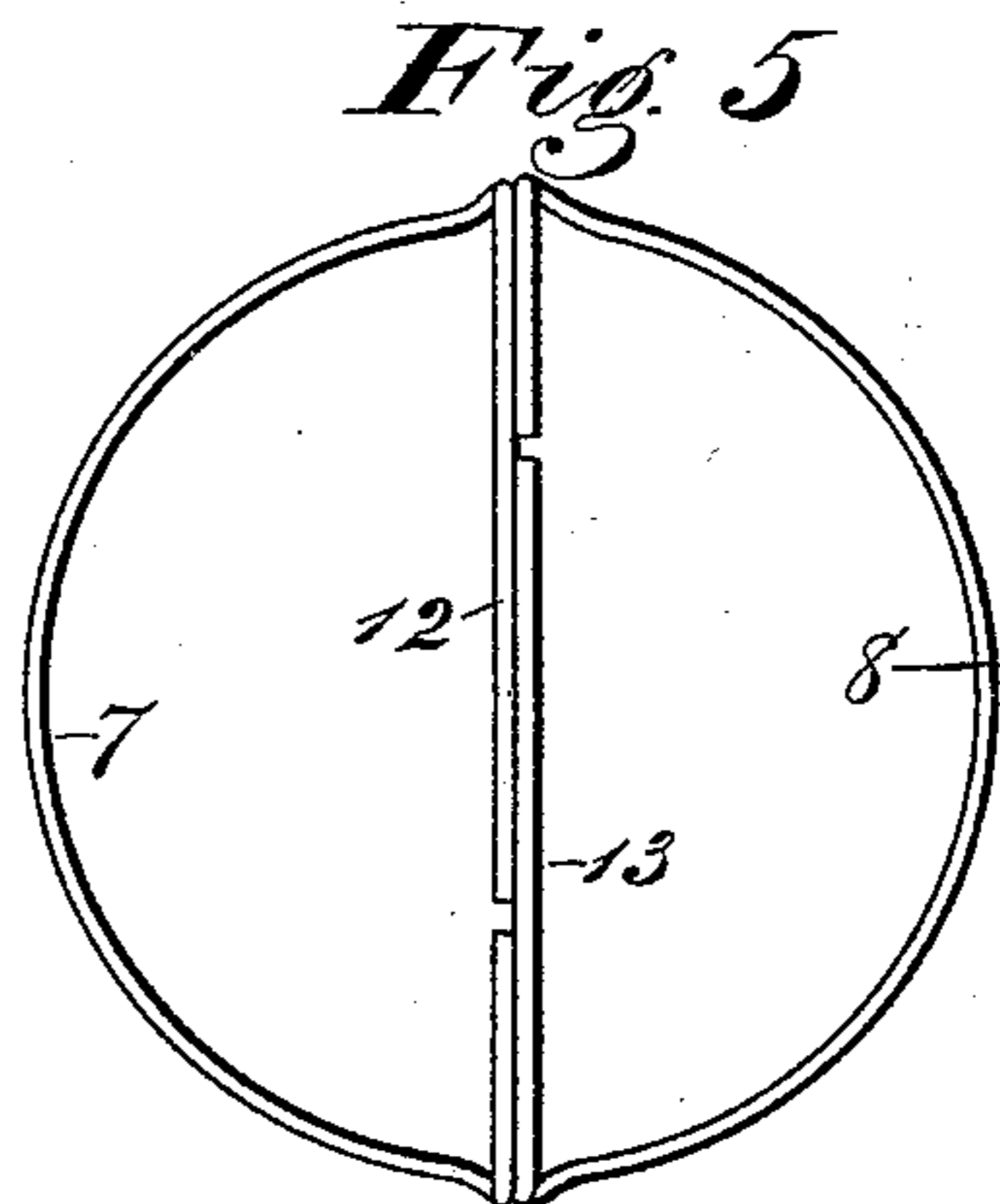
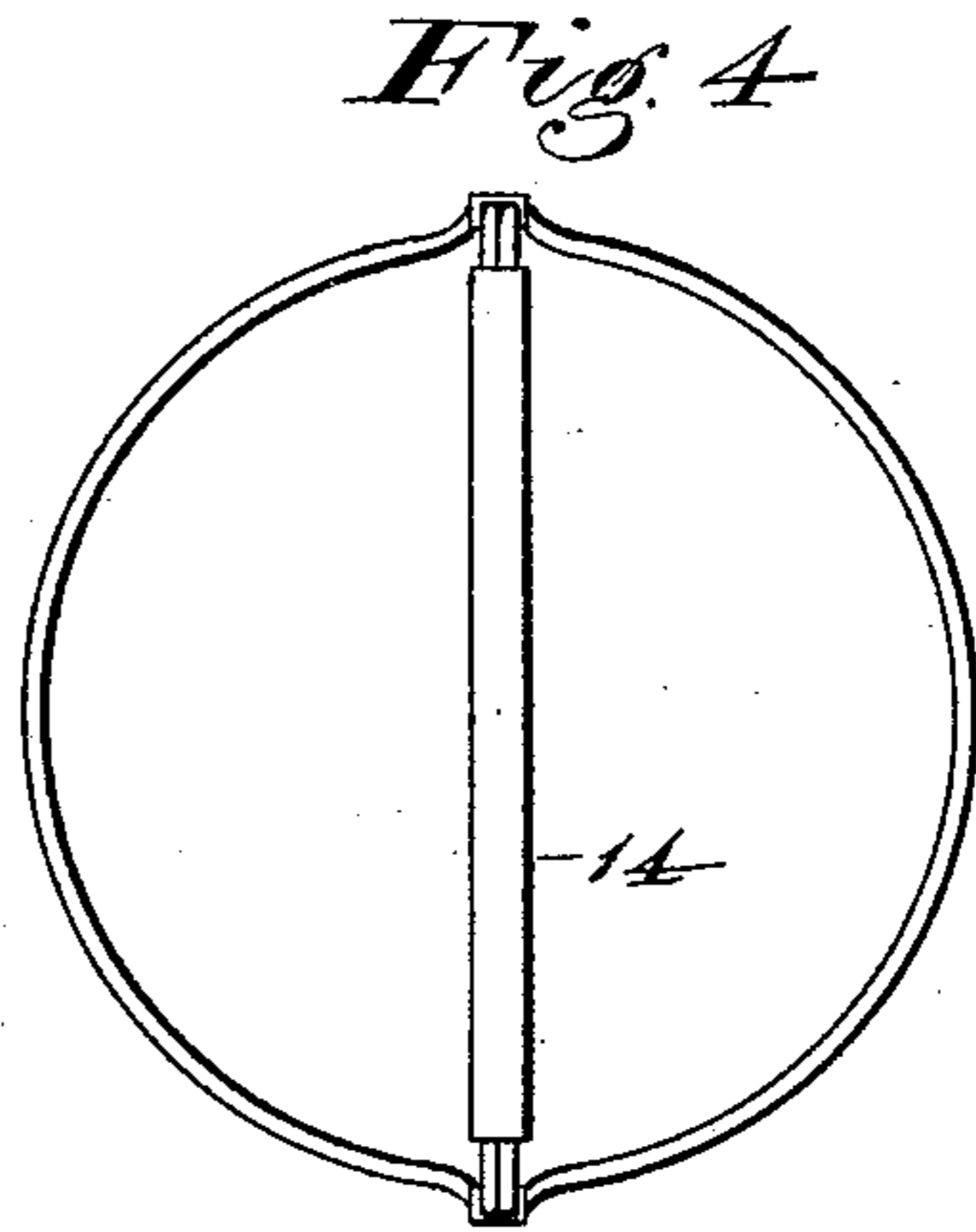
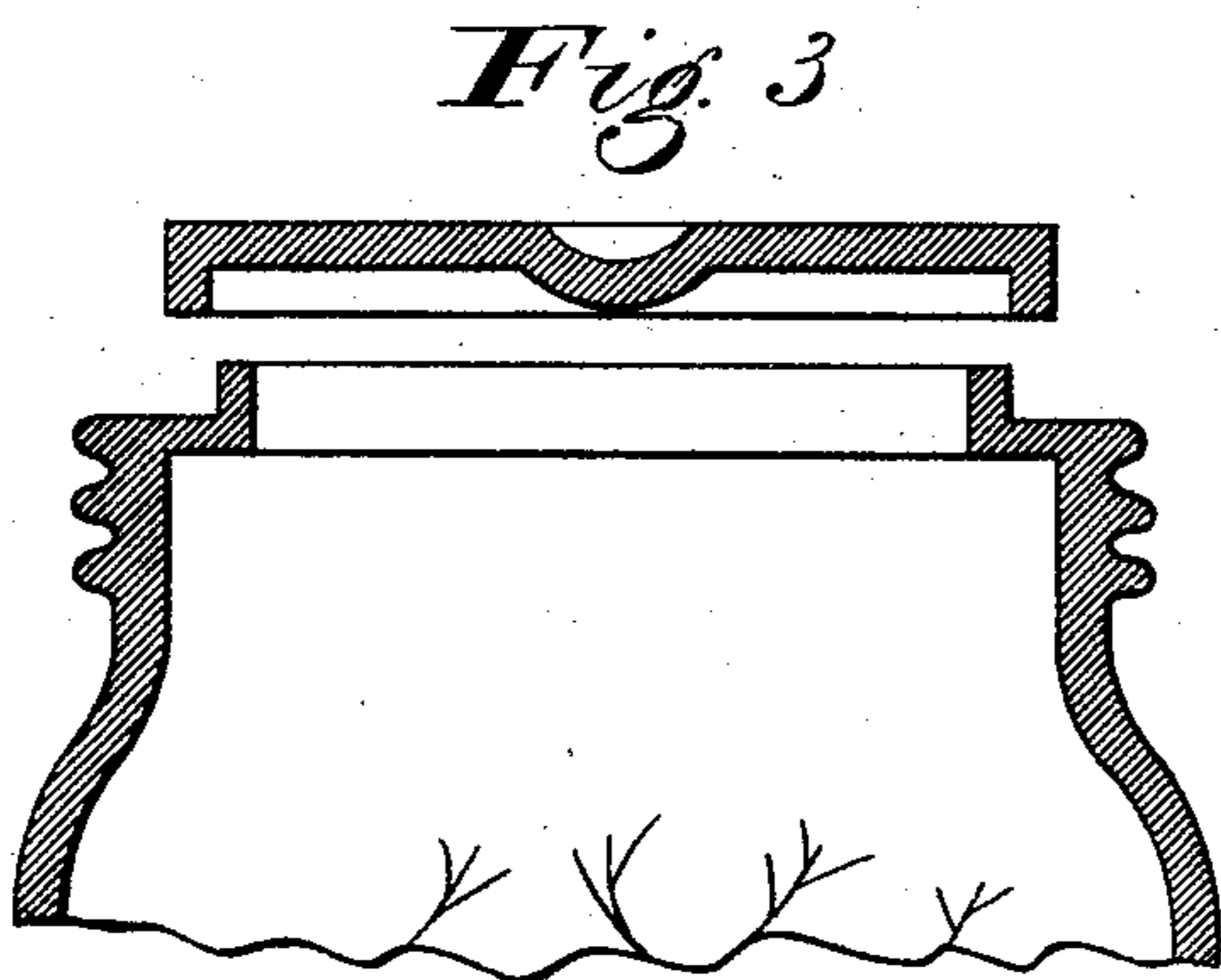
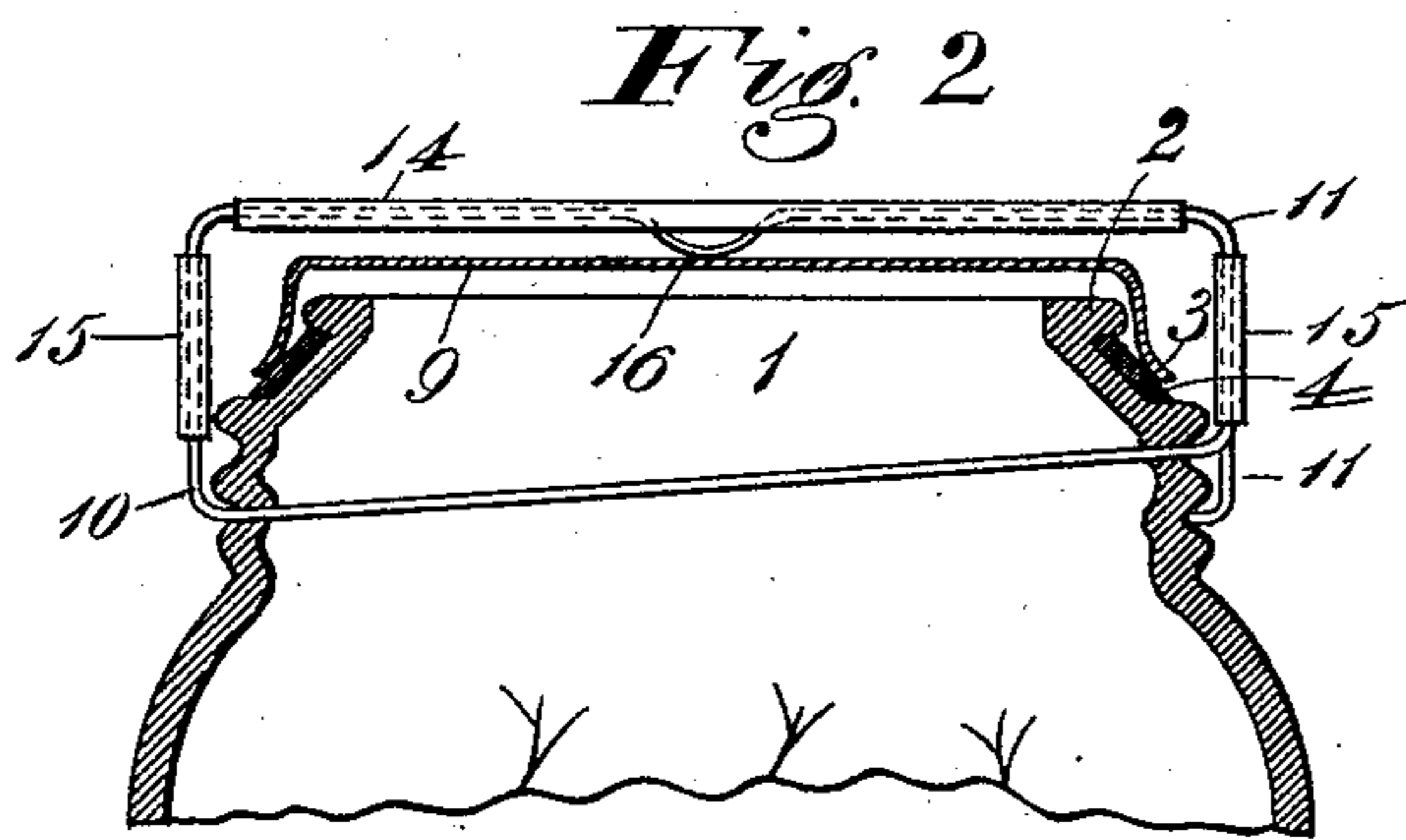
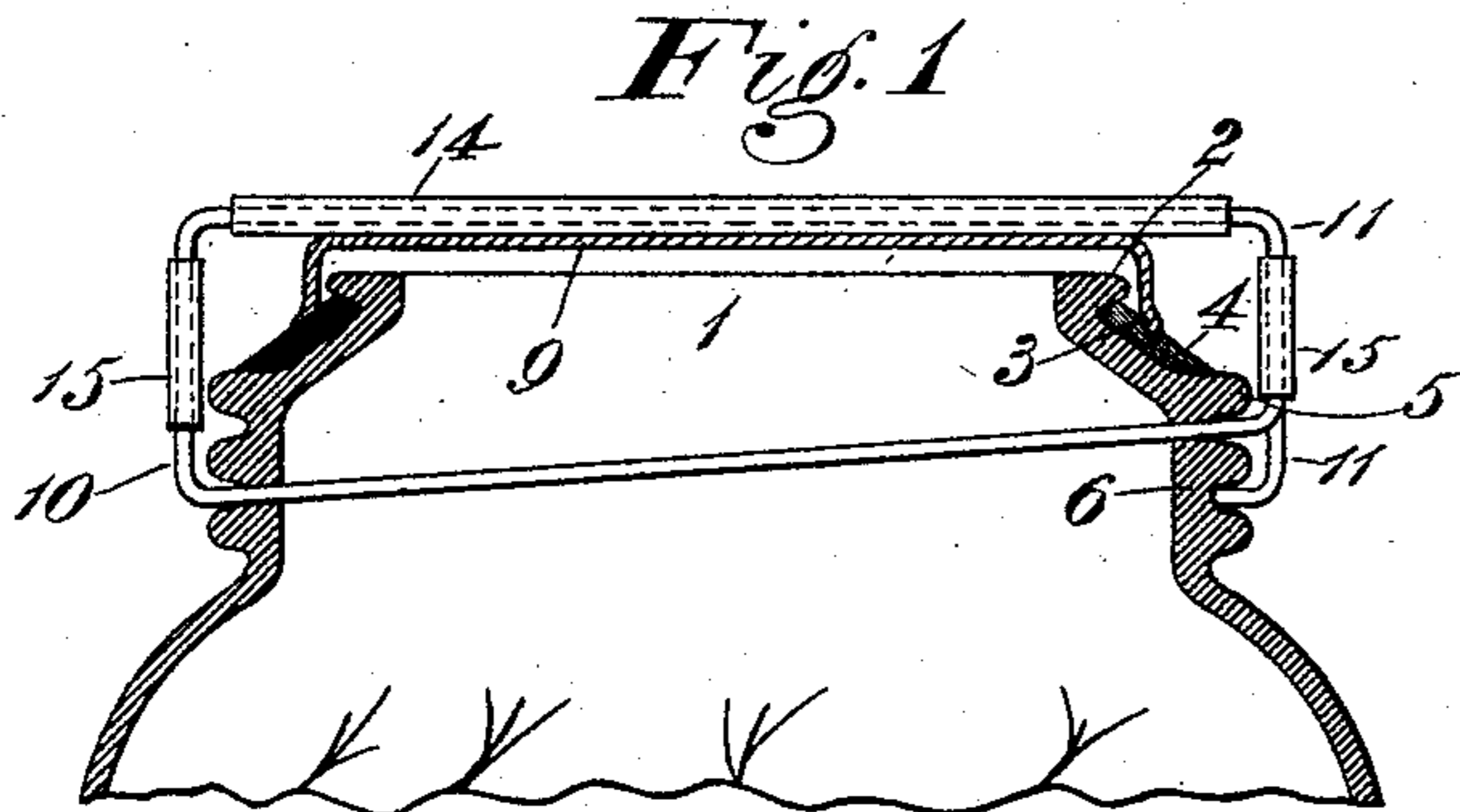


(No Model.)

G. W. GOMBER.  
SEALING DEVICE.

No. 605,709.

Patented June 14, 1898



Witnesses

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# UNITED STATES PATENT OFFICE.

GEORGE W. GOMBER, OF CONYNTHAM, PENNSYLVANIA, ASSIGNOR TO  
HARRY GOMBER, OF SAME PLACE.

## SEALING DEVICE.

SPECIFICATION forming part of Letters Patent No. 605,709, dated June 14, 1898.

Application filed February 11, 1898. Serial No. 669,990. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. GOMBER, a citizen of the United States, residing at Conyntham, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Sealing Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention, the details of which will be hereinafter fully specified, illustrated in the accompanying drawings, and pointed out in the claims, relates to certain new and useful improvements in means for securing, sealing, or locking the lid upon a jar, bottle, or the like, the prime object being to provide an absolutely reliable seal for the preservation of the contents of fruit-jars or other receptacles.

A further object, among others, is to provide a lid and means for holding the same in a locked position, the edge of said lid being designed to rest upon the inclined face of a rubber gasket or other yielding substance, said means for holding the lid being so constructed that it may be instantly applied to use and as readily removed to gain access to the contents.

In the accompanying drawings, Figure 1 shows my invention complete, the jar and cap being shown in section. Fig. 2 shows a slightly-modified construction for the clamp. Fig. 3 shows a varied form of gasket-seat and cap. Fig. 4 is a top view of my securing-clamp complete. Fig. 5 is a similar view showing the casing designed to protect the overlapping ends of the middle section removed. Figs. 6 and 7 show the clamp from opposite sides.

My invention consists in providing a suitable seat, preferably disposed in an inclined or oblique plane with respect to the balance of the jar, said seat being designed for the reception of the usual elastic ring, formed of rubber or other suitable material, and a cap having an annular depending edge or flange designed to rest upon said ring and hold the same in its seat; and my invention further

consists in a clamp designed to engage the threaded face provided upon the jar below said seat, whereby said cap will be forced downward and there held until a reverse movement of the clamp is effected.

Referring in detail to the several parts of my invention, 1 represents the upper portion of a fruit-jar of the usual or any preferred construction, which is provided with the annular rib 2, which constitutes the extreme upper edge of the jar, below which is provided the annular inclined seat 3, designed to receive the yielding gasket 4, of rubber or the like, the lower side 5 of the annular seat 3 being the beginning of the threaded face or neck 6, with which my securing-clamp is designed to cooperate.

My clamping device consists of two wires 7 and 8, so bent and united that the said sections 7 and 8 will engage the grooves of the threaded neck and thus bring the centrally-disposed section to bear tightly upon the sealing-cap 9, the depending edges of which will press firmly upon the entire upper surface of the gasket 4, and thus produce a perfect seal.

In Figs. 6 and 7 I have shown how the wires 7 and 8 are united, providing the upright or vertical sections 10 and 11, one of the latter being shorter than the other, which will throw one of the ends of the loops 7 or 8 in a different plane from that occupied by the other, thus enabling the same to take into opposite grooves of the threaded neck 6, whereby the clamp will be enabled to follow said grooves as the clamp is rotated, thus bringing the central section firmly down upon the cap 9.

In order to more securely hold the overlapping ends 12 and 13 in union, I prefer to wrap them at this point with a rigid metal covering or housing 14, which may be soldered or otherwise secured in position. The upright sections 10 and 11 are also reinforced and held rigidly in union with each other by the collars 15, which may be secured in the same manner as the housing 14 or otherwise, it being understood that the entire device may be when thus finished dropped into molten metal, by means of which a coating

will be imparted to the entire device throughout, thus tending to increase its rigidity and strength and thoroughly hold the several parts into operative relationship with each other.

In Fig. 2 I have shown the central part of the overlapping ends 12 and 13 as provided with the depressed section or bend 16, designed to contact with the central part of the cap 9, though it is thought that better results may follow by the use of the construction shown in Fig. 1, wherein the overlapping ends 12 and 13 bear upon the entire diameter of the cap.

In Fig. 3 I have shown the cap as constructed of glass, the seat for the gasket being disposed in a horizontal plane, the threaded neck being so constructed that it will readily receive the clamping device specifically referred to.

While I have shown the preferred construction of the various elements involved in my invention, it will be understood that any substantial equivalent thereof is comprehended by me, and I do not wish, therefore, to be confined strictly to the exact showing I have made. It will be readily apparent that my improved clamp may be very cheaply constructed and that it will be easily applied to use upon any of the jars now in common use, thus rendering special changes therein unnecessary.

I claim a special advantage for the construction herein described and shown, and especially for the disposition of the rubber gasket in an inclined plane, as shown in Figs. 1 and 2, inasmuch as it is thought that a more reliable seal will thereby be provided, since a wedge-like action is induced through the co-operation of the rim of the cap with the gasket located in said seat.

Having thus fully described the construction, advantages, and use of my invention,

what I claim as new, and desire to secure by Letters Patent, is—

1. A wire clamp for jars and the like composed of a substantially horizontal top, depending sides separating and each forming a half-circle, and means to hold the wires together, as set forth.

2. A wire clamp composed of two wires each forming one-half the clamp fitting the spiral threads of a jar and means to hold the threaded parts of the clamp together, as set forth.

3. The combination of a jar having a screw-threaded top, a rib formed around the edge of said top, an inclined seat disposed immediately below said rib and directed outward, of a gasket resting in said seat, a top having a flange contacting with said gasket and a clamp composed of two wires bent to have a horizontal section and a curved section adapted to encircle one-half of the jar and fit said threaded top, and means for holding the two wires forming said clamp into operative relationship with each other, substantially as and for the purpose set forth.

4. As an article of manufacture, a clamp composed of two wires so bent that the middle portions thereof will provide a collar for encircling the mouth of the jar and following the threaded grooves provided in the outer surface thereof, said clamp being further provided with upwardly-extending sections and overlapping horizontally-disposed sections, and suitable means for holding said wires into operative relationship with each other, substantially as specified and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. GOMBER.

Witnesses:

H. F. GOMBER,

W. W. REISENWEAVER.