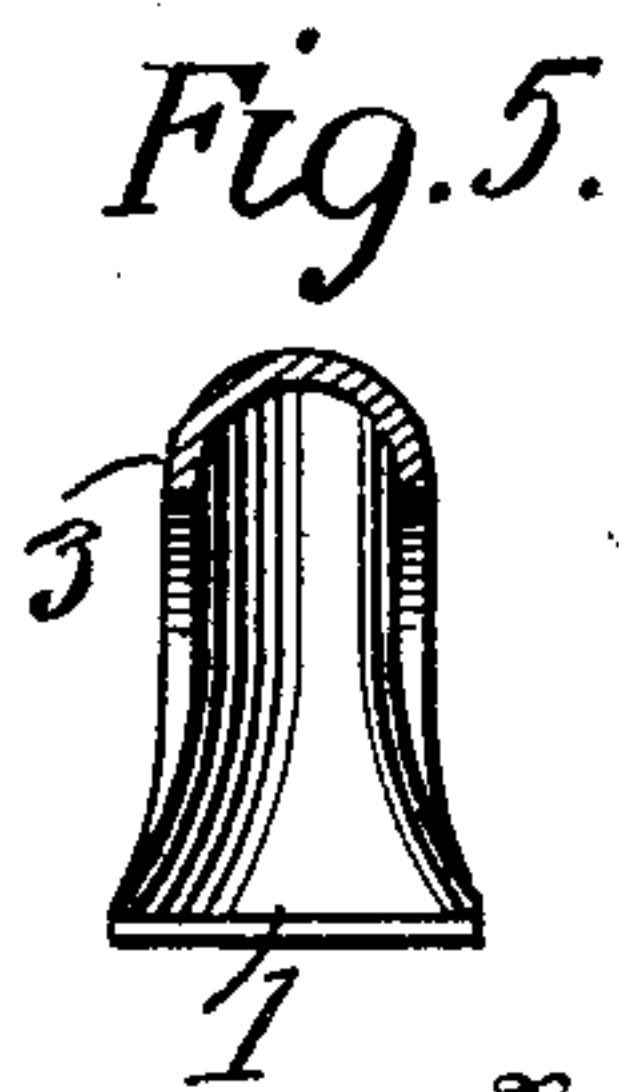
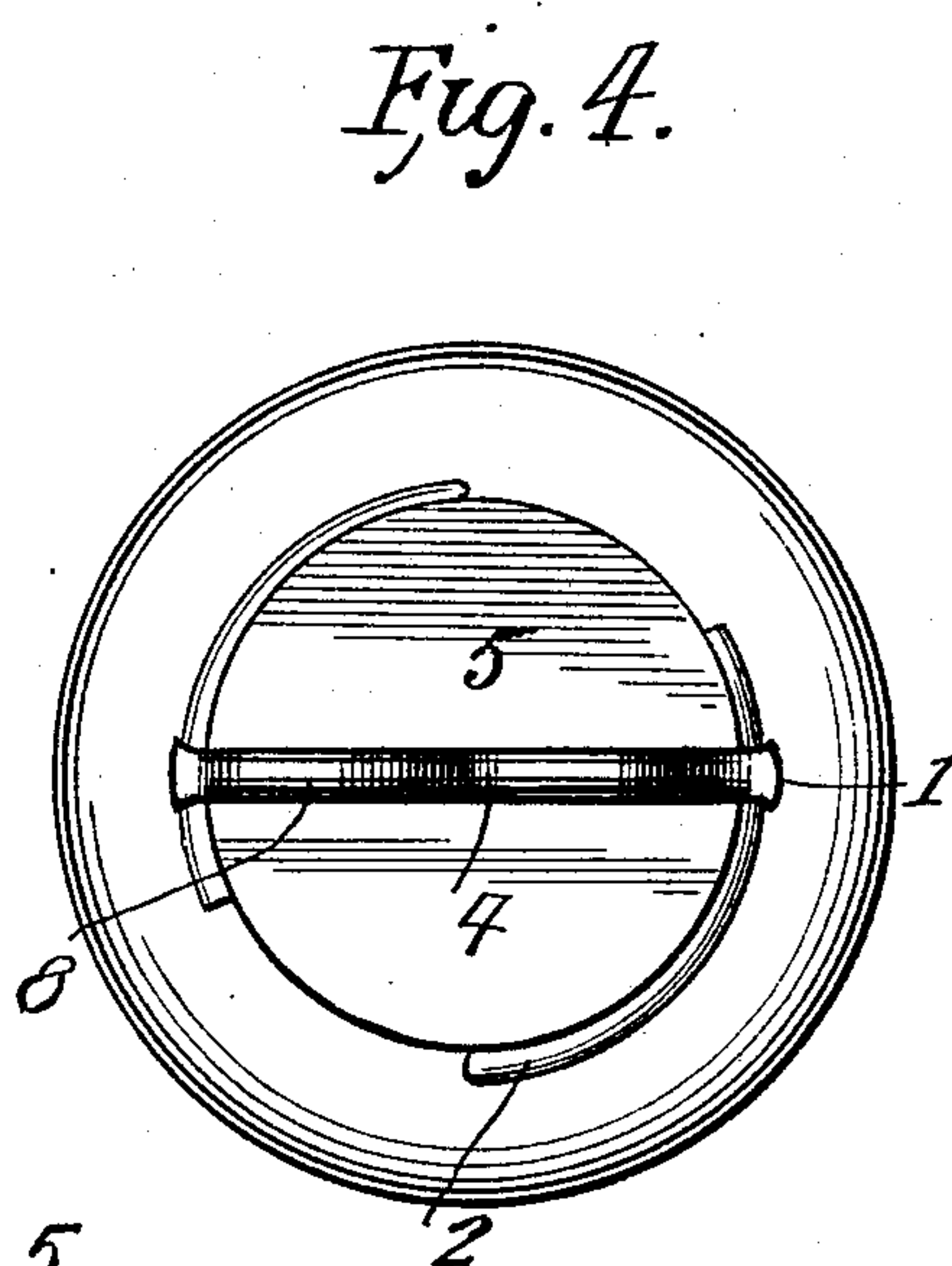
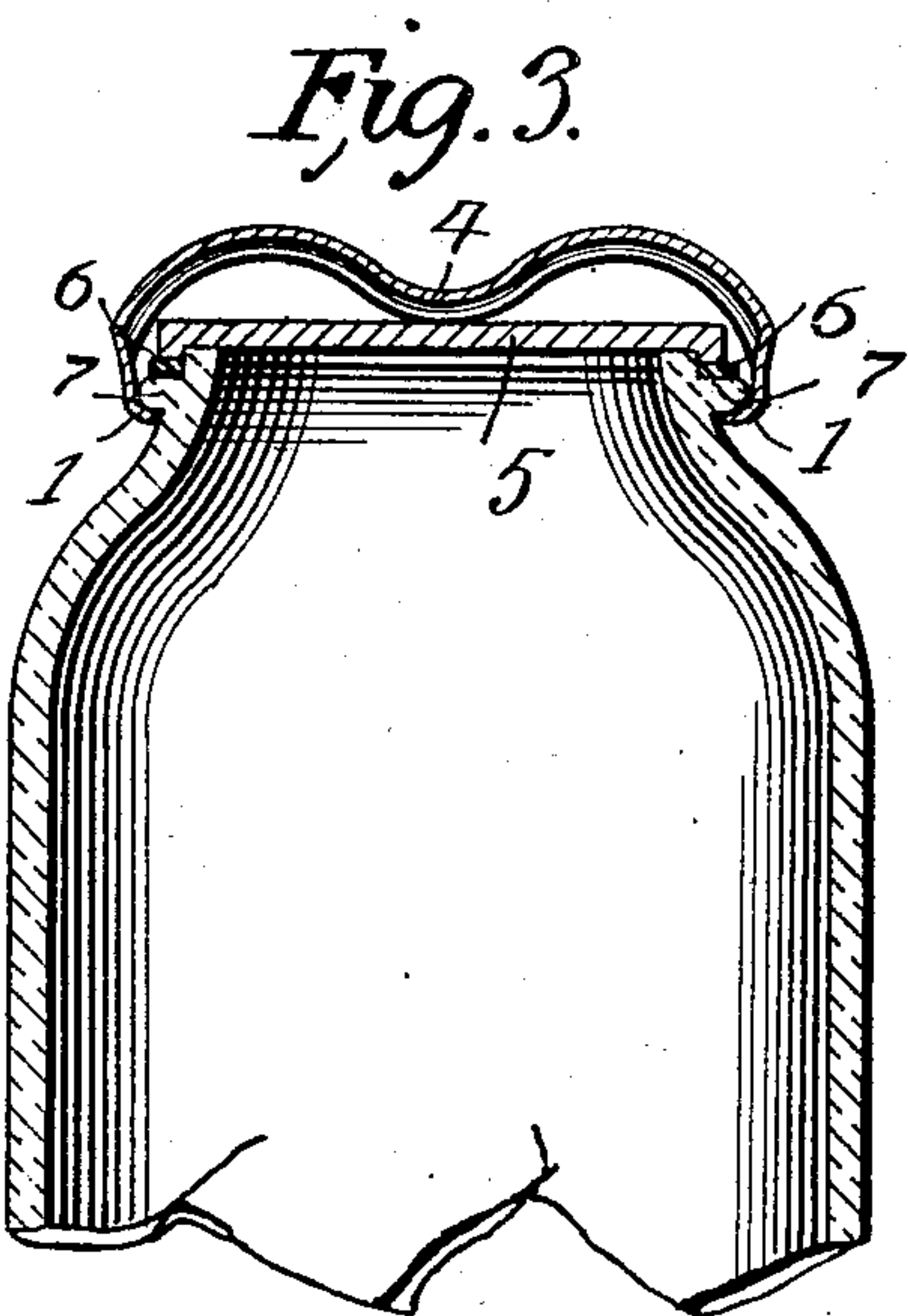
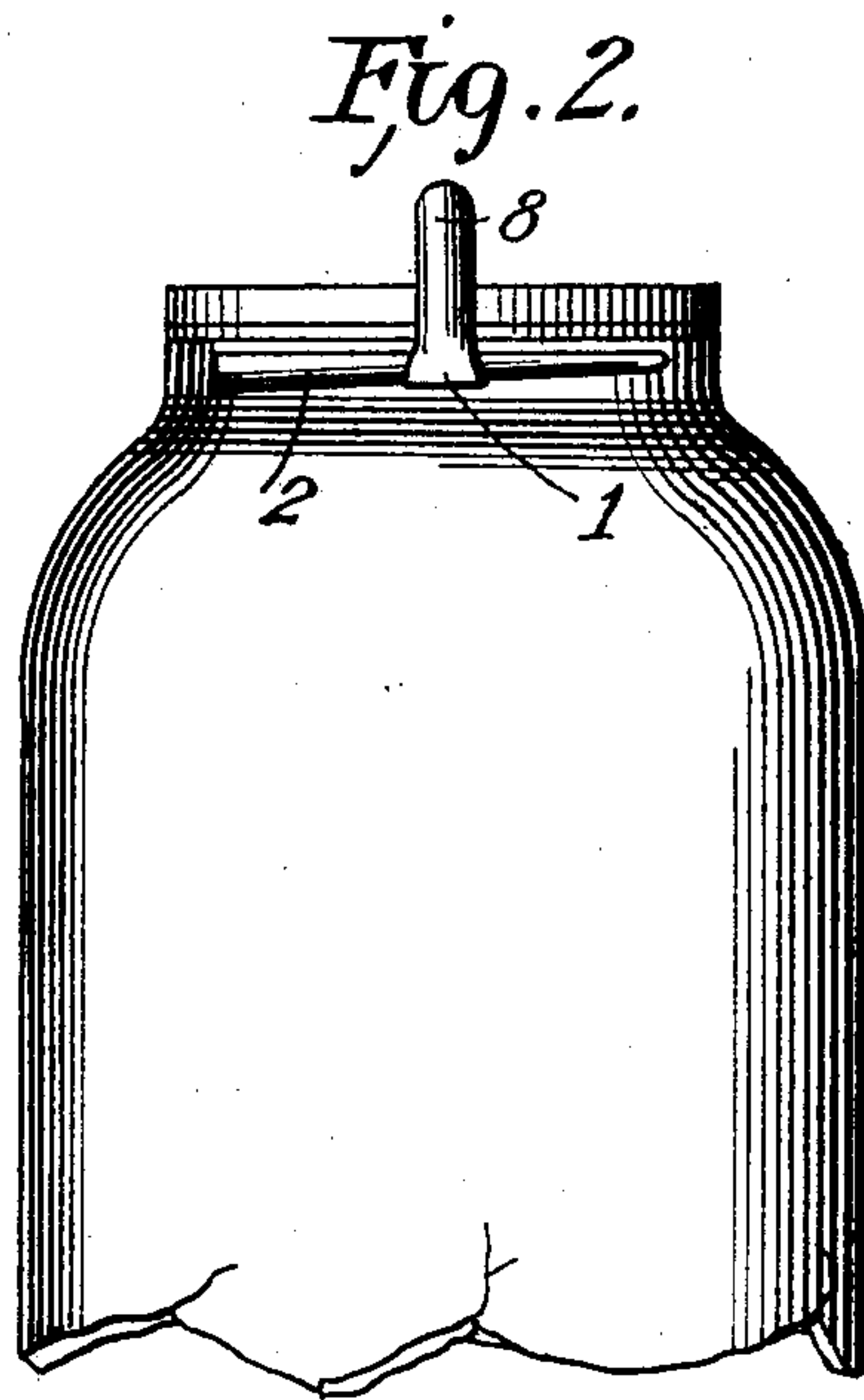
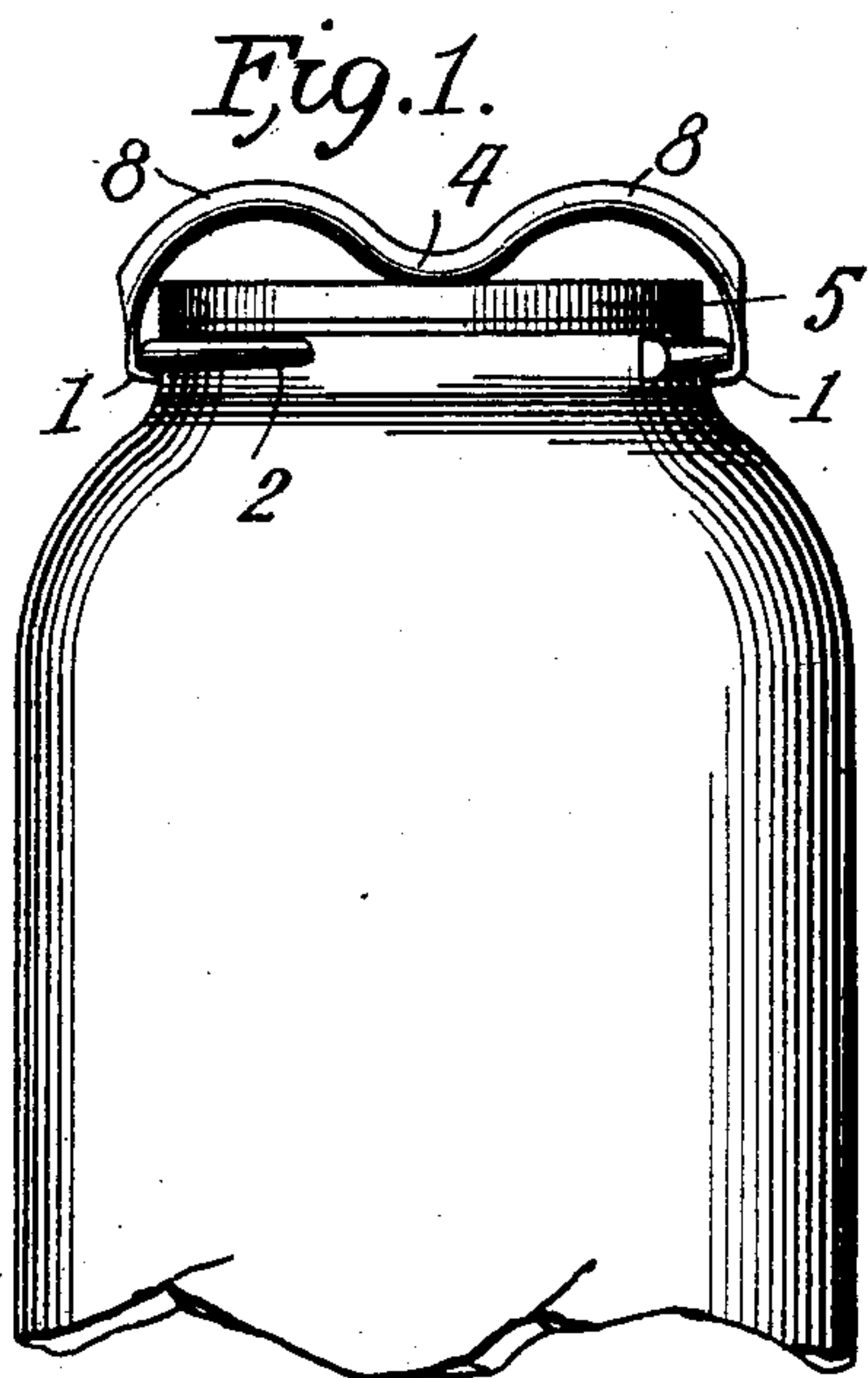


No. 897,790.

PATENTED SEPT. 1, 1908.

F. R. SCHRIVER.
JAR LID CLAMP.
APPLICATION FILED OCT. 22, 1907.



Witnesses
Hugh H. Ott.
R. M. Smith.

Inventor
Flavius R. Schriver
By *Victor J. Evans*
Attorney

UNITED STATES PATENT OFFICE.

FLAVIUS R. SCHRIVER, OF WILKINSBURG, PENNSYLVANIA.

JAR-LID CLAMP.

No. 897,790.

Specification of Letters Patent.

Patented Sept. 1, 1908.

Application filed October 22, 1907. Serial No. 398,649.

To all whom it may concern:

Be it known that I, FLAVIUS R. SCHRIVER, a citizen of the United States of America, residing at Wilkinsburg, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Jar-Lid Clamps, of which the following is a specification.

This invention relates to jar lid clamps, the object of the invention being to provide a simple, cheap and efficient clamp capable of easy manipulation for securing a jar lid to the jar and obtaining the necessary pressure to effect a perfect seal between the lid and jar; also to provide a construction which will enable the said clamp to be made out of very light thin sheet metal while giving the necessary stiffness, rigidity and strength thereto and at the same time making the portions thereof which necessarily come in contact with the hands and fingers of the operator in placing the clamp in position and removing it therefrom smooth so as not to injure or hurt the hand or fingers, whereby the clamp may be applied with a greater force or pressure on the part of the operator and removed with greater ease and comfort.

With the above and other objects in view which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter fully described, illustrated and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a jar and lid, the lid being held in place by one of the improved clamps. Fig. 2 is a similar view taken at right angles to Fig. 1. Fig. 3 is a vertical section through the same, taken centrally and longitudinally of the clamp. Fig. 4 is a plan view of the jar with the lid clamped in place thereon. Fig. 5 is an enlarged cross section through the clamp.

The clamp contemplated in this invention may be constructed of very thin or light sheet metal, the same being originally in the form of a strip of suitable gage, the extremities of which are bent to one side of the body of the strip to form terminal hooks 1, which when the article is completed are adapted to extend beneath and engage the lower inclined sides of the usual threads or lugs 2 on the jar at or near the top edge thereof.

Between the hook 1 the body of the strip is bent into concavo-convex shape in cross section or in other words, said strip is substan-

tially semicircular in cross-section, thereby providing the central portion of the strip with marginal flanges 3 which have the effect of reinforcing and strengthening that portion of the strip which lies between the terminal hooks. Furthermore, in thus forming the flanges 3, at a point where said flanges approach the terminal hook 1, they flare or diverge and merge into the hooks or the edges thereof as clearly illustrated in Fig. 5, the effect of which is to materially stiffen and reinforce the hooks closely adjacent to the bends thereof, whereby the said hooks are prevented from springing outward and becoming disengaged from the holding threads or lugs 2 of the jar.

The portion of the device between the terminal hooks is centrally disposed as shown at 4 to come in contact with the center of the jar lid, forming a boss or bearing shoulder for the clamp by means of which the required pressure is applied to the jar lid indicated at 5, whereby said lid is held tightly downward on the usual gasket 6 which is interposed between the lid and the usual annular shoulder 7 of the jar.

On opposite sides of the bearing shoulder 4, the body of the flange is arched, thus providing what may be termed arched arms or thumb pieces 8 which lie between the bearing shoulder 4 and the hooks 1 so as to be readily grasped by the thumb and fingers of the operator for the purpose of turning the clamp to the left or to the right for unfastening or fastening the lid.

By making the body of the device of concavo-convex or semi-circular shape in cross section a smooth round surface is provided on both sides of both of the arms or thumb pieces 8 which enables the body portion of the device to be grasped with more comfort by the operator and to be turned on or off with greater force. Furthermore, the flanges formed by shaping the body in cross section as described not only provide for the necessary reinforcement thereof but they also materially reinforce and strengthen the hooks 1 clear up to the point where the hooks are bent to extend under the holding threads or lugs on the jar. Thus a very powerful and efficient clamp is economically constructed out of very thin sheet metal and one which is far easier and comfortable to handle.

Having thus fully described the invention, what is claimed as new is:—

1. A sheet metal jar lid clamp comprising

terminal inturned hooks, and a connecting
body which is concavo-convex in cross sec-
tion, said body being depressed centrally to
provide a central bearing shoulder and
5 arched arms or thumb pieces between said
bearing shoulder and the hooks.

2. A sheet metal jar lid clamp comprising
terminal inturned hooks, and a connecting
body having marginal flanges, said body

and flanges being depressed centrally to pro- 10
vide a central bearing shoulder and arched
arms or thumb pieces between said bearing
shoulder and the hooks.

FLAVIUS R. SCHRIVER.

Witnesses:

F. E. JOHNSTON,
NORMAN C. MCINTOSH.