

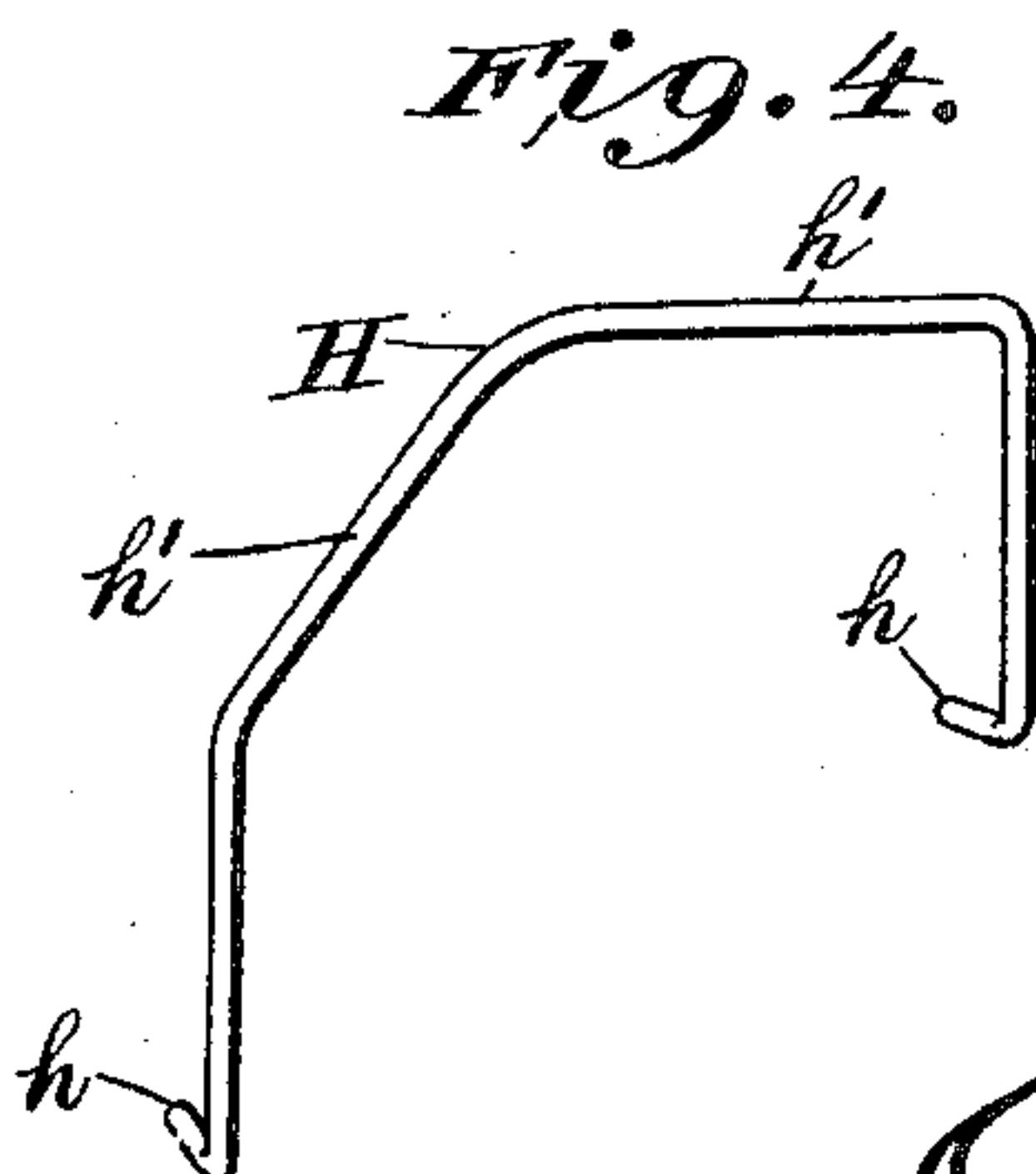
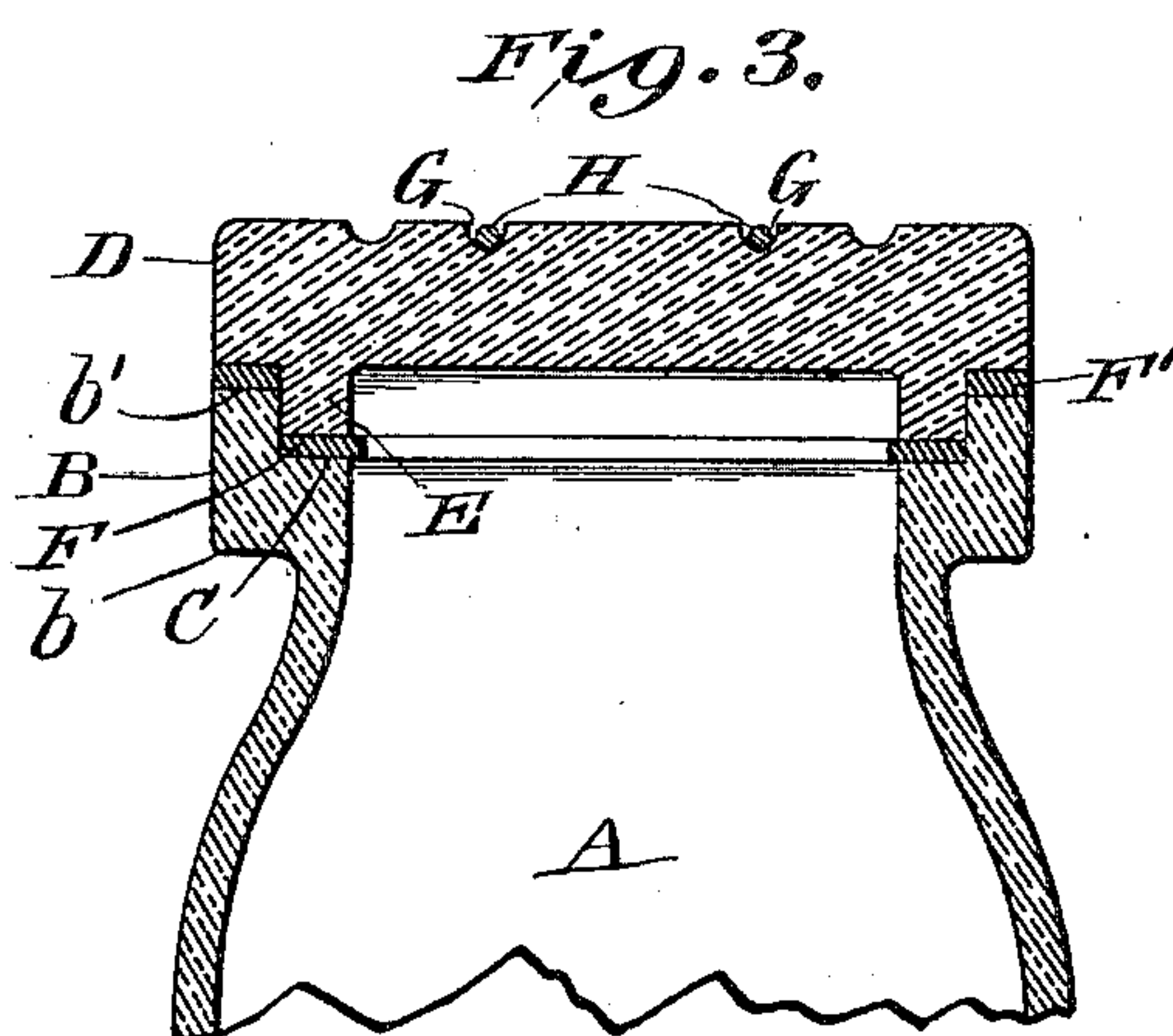
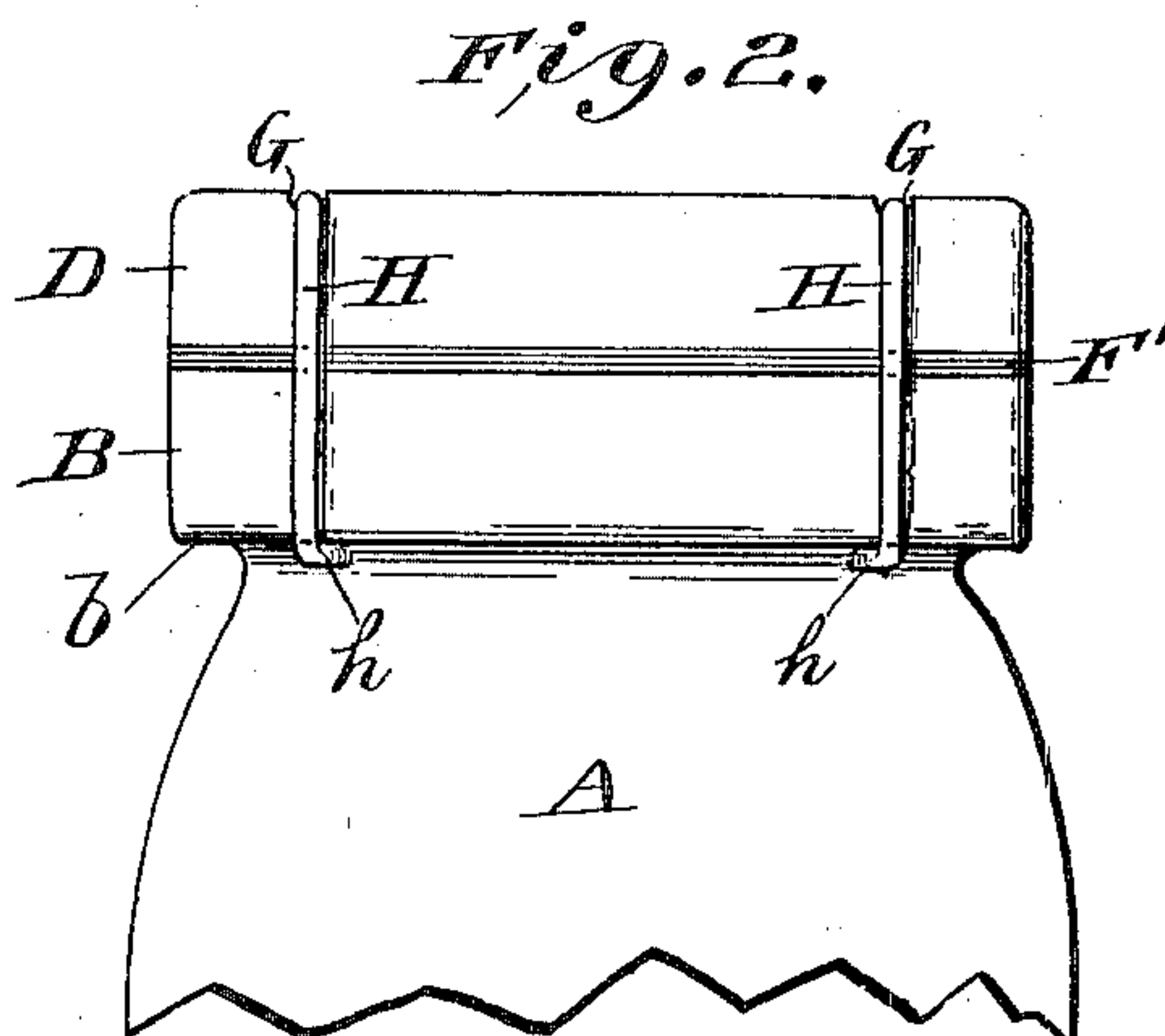
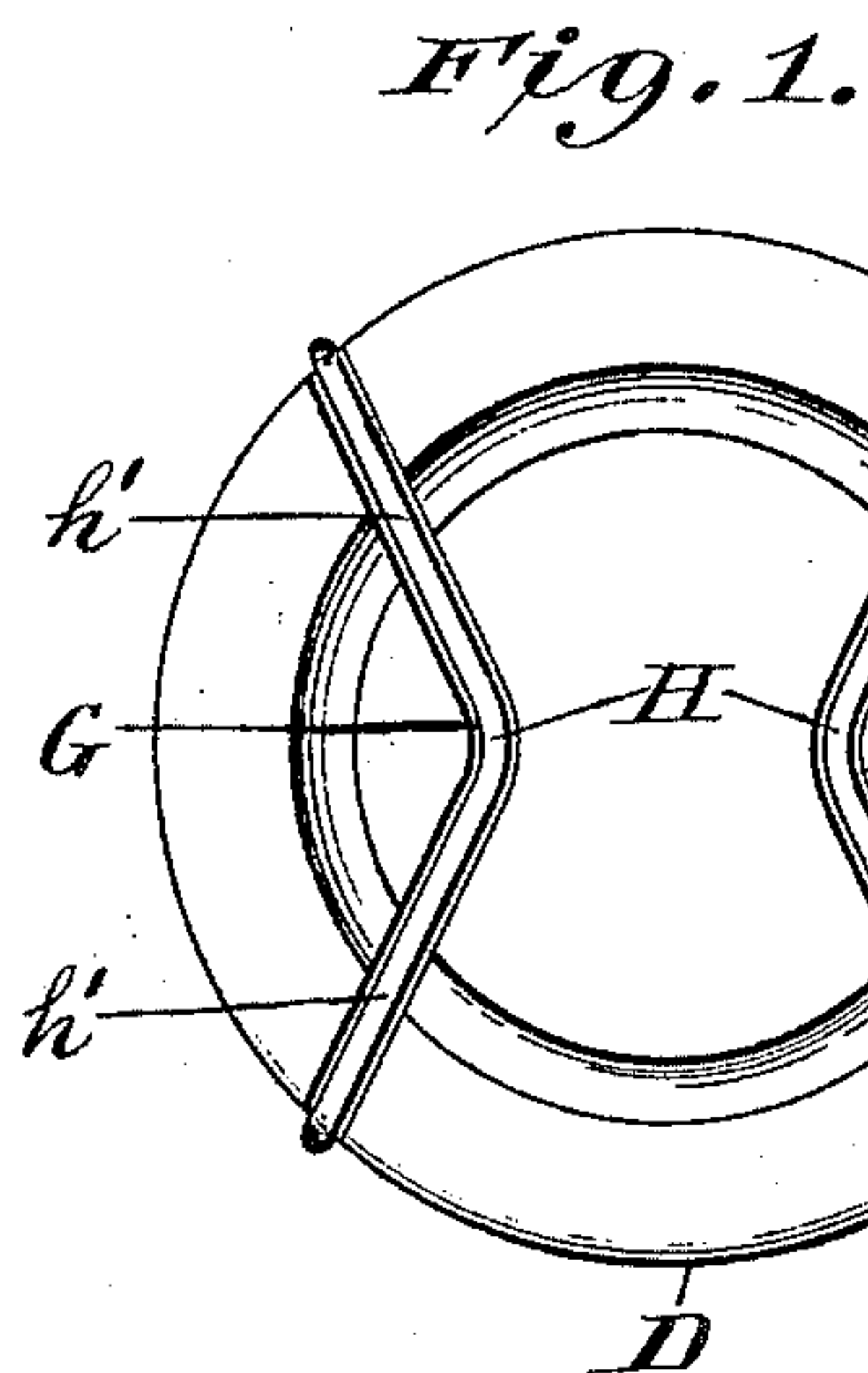
No. 696,407.

Patented Apr. 1, 1902.

O. BRIER.  
JAR CLOSURE.

(Application filed May 21, 1901.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

OLIVER BRIER, OF LAZEARVILLE, WEST VIRGINIA.

## JAR-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 696,407, dated April 1, 1902.

Application filed May 21, 1901. Serial No. 61,248. (No model.)

*To all whom it may concern:*

Be it known that I, OLIVER BRIER, of Lazearville, in the county of Brooke and State of West Virginia, have invented certain new and useful Improvements in Jar-Closures, of which the following is a specification.

My invention relates to devices for covering jars for holding preserved fruits, milk, &c., and has for its object to provide a device that is simple in construction, reasonable in cost of manufacture, easy to operate, and that will hermetically seal the contents of the jar and effectually prevent the ingress of air to the contents of the jar.

In the drawings, Figure 1 is a plan view of my improved jar-cover and means for retaining it in place; Fig. 2, a side view of a portion of the jar and of the cover, showing the jar sealed; Fig. 3, a cross-section in elevation of the cover and portion of jar in sealed position; Fig. 4, a view of one of the clamps.

In the drawings, in which like letters of reference indicate similar parts throughout the several views, the jar A is made with a rim B at its top, forming a shoulder *b*. Inside the jar is formed a shelf C below the upper edge *b'* of the rim B. The cover of the jar D is formed with an annular projection E in the center of its bottom, the diameter of said projection being same as the diameter of the interior of the jar-neck above the shelf C, and its height is the same as the distance from the shelf C to the upper edge *b'* of the rim B.

The purpose of providing the shelf C and annular projection E is so that a gasket F may be used between the shelf C and the plane of the annular projection as well as the usual method of sealing the jar by putting a gasket F' between the cover D and the upper edge *b'* of the rim B.

On the upper side of the top D are formed a multiplicity of angular grooves G, which intersect the periphery of the top D. In the drawings the number of these grooves is limited to two; but they may be increased to three or more, if desired.

H represents a spring-metal clamp, having its ends *h* bent to form a hook, which is adapted

to fit under the edge of the rim B and formed with an angular portion *h'* to fit in the angular grooves F.

The operation is as follows: It being desired to seal the jar, place the gaskets F and G in position and place the cover D on the jar. Then place the angular portions *h'* of the metal clamps H in the grooves F and pull the hooks *h* of the clamps down under the rim B. The jar is then hermetically sealed. To remove the top, insert a pointed instrument between the rim B and the clamp H, and the clamp will spring out of engagement with the bottom of the rim and the groove F.

Having thus described my invention, what I claim is—

1. In a jar-closure a circular cover provided with a multiplicity of angular grooves on its top each consisting of two converging straight depressions that cut said cover into sectors of a circle, an annular projection on the lower side of the cover to fit in the neck of the jar, a projecting rim on the exterior of the neck of the jar, and angular metal clamps having their ends bent downward to form hooks, said clamps being adapted to seat in said grooves and engage the lower edge of the rim on the neck of the jar, substantially as shown and described.

2. In a jar-closure, a jar with a projecting rim, an annular shelf on the interior of said rim, a cover having an annular projection on its lower side, a gasket between the upper edge of the rim and the cover, a gasket between said annular shelf and said annular projection, a multiplicity of angular grooves on the upper side of the cover, said grooves extending in converging straight lines from the periphery of the cover toward the center thereof, and clamps to fit in said grooves and engage the bottom of the rim, substantially as shown and described.

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

OLIVER BRIER.

Witnesses:

J. H. HANEY,  
CHARLES MYER.