

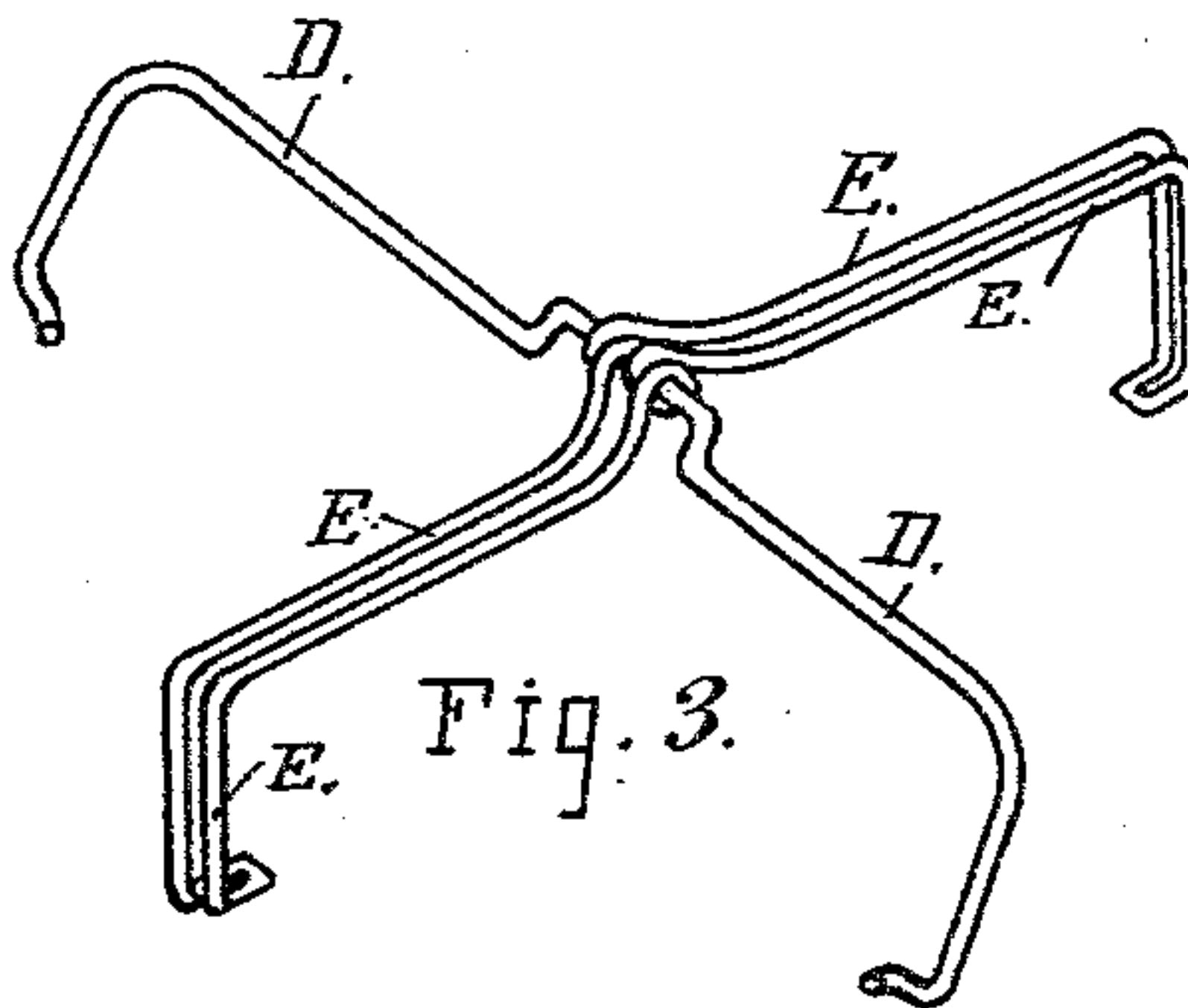
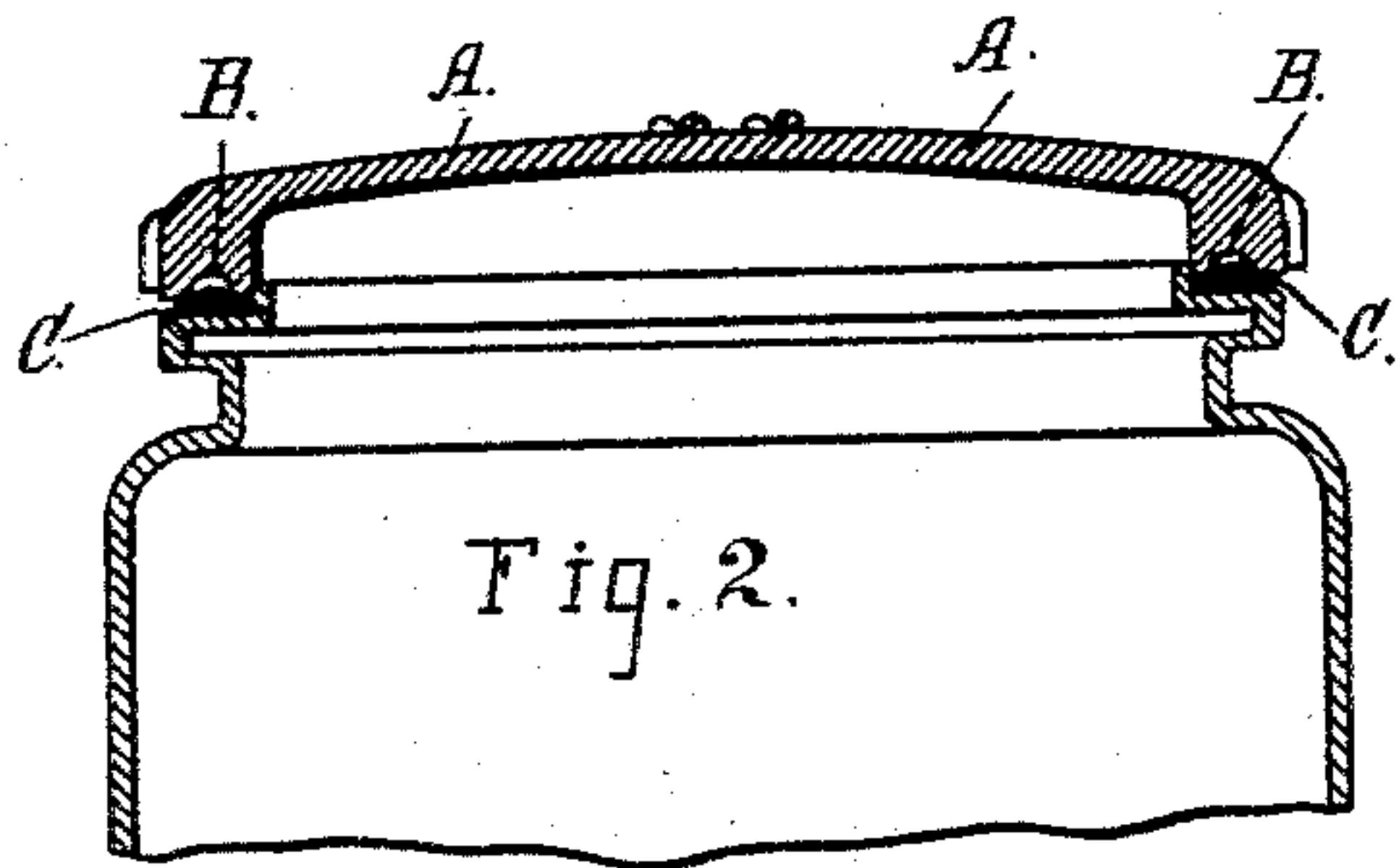
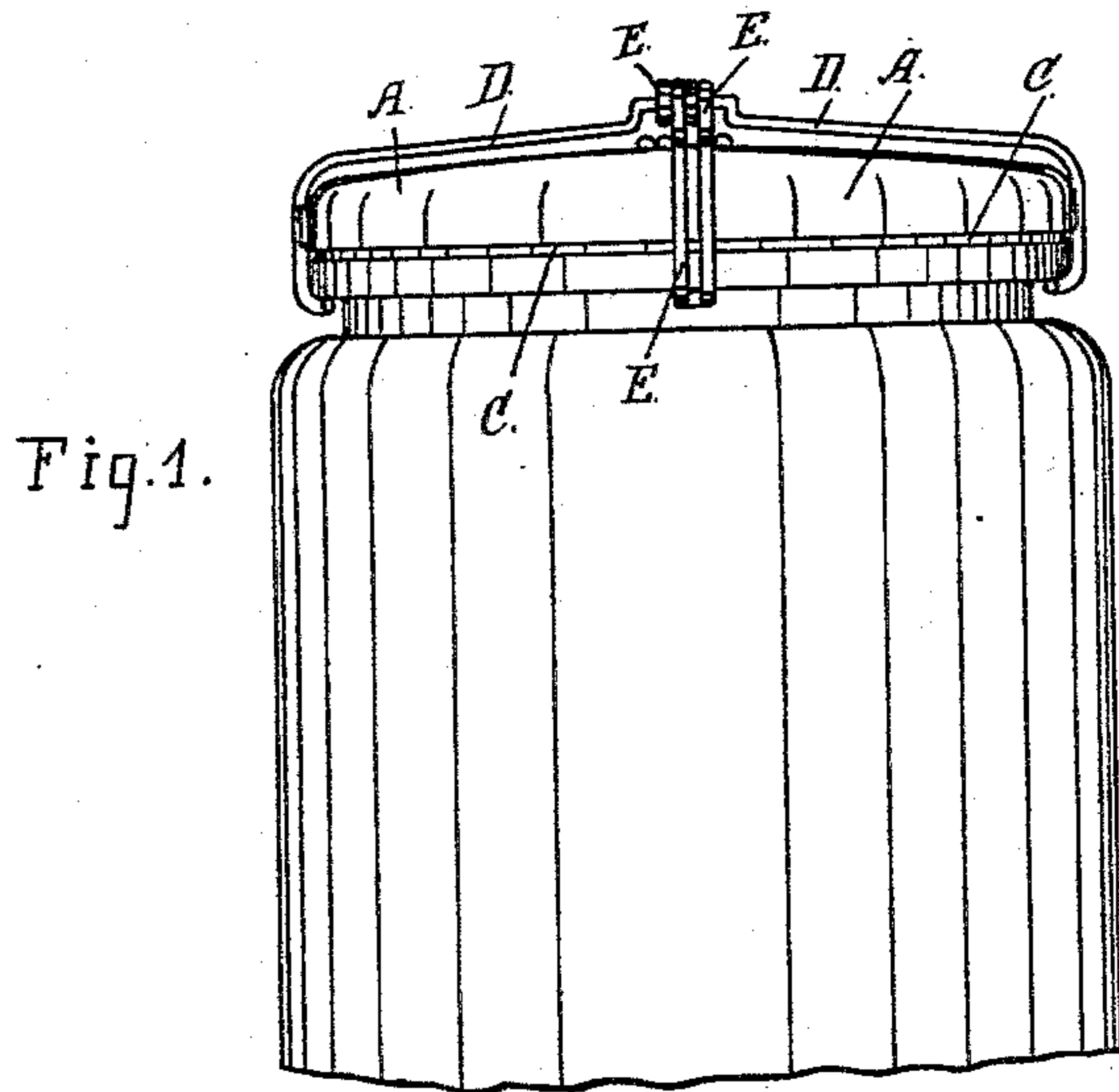
(No Model.)

J. PERKINS.

FRUIT JAR.

No. 359,886.

Patented Mar. 22, 1887.



WITNESSES:

Wm. Mayer.
Joseph E. Ford.

Inventor:

Joseph Perkins
By C. M. Smith, Attg.

UNITED STATES PATENT OFFICE.

JOSEPH PERKINS, OF SAN FRANCISCO, CALIFORNIA.

FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 359,886, dated March 22, 1887.

Application filed November 18, 1886. Serial No. 219,325. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH PERKINS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Fruit-Jars, of which the following is a specification.

This invention relates to an improved means for rendering the caps or covers of fruit-jars air-tight in putting up hermetically-sealed fruits and vegetables; and it consists in the construction, arrangement, and combination of parts, substantially as will be hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a front elevation of a part of a fruit-jar embodying my invention. Fig. 2 is a vertical transverse section through cover and upper portion of jar. Fig. 3 is a view in perspective of clamp.

Within the rim of the cap or cover A of the jar is cast or formed a rounding groove, B, extending upward about one eighth of an inch, (more or less,) and so as to form corners or shoulders along both sides of the groove.

Between the cap and shoulder of the jar is placed a rubber or elastic gasket, C, of the ordinary character, and when pressure is brought to bear upon the gasket that portion between the corners or shoulders of the groove in the cover will be compressed inwardly by the bite of the corners upon the gasket, and will or nearly fill the groove, and thus render the connection between the neck of the jar and cover air and gas tight. In this position the cap or cover, with its rubber gasket, is held upon the neck of the jar by a skeleton clamp constructed by bending the wire spring-arm D centrally to form a fulcrum, upon which the movable hooked arms E operate. These hooks are made by bending or doubling the two strands of wire together and interlocking the severed ends around the fulcrum or spring arm, with the end of one strand of one hook interlocked between the two ends of the opposed hook to form hinge-joints, so that the hooks can be raised or lowered at pleasure, and permit the bent lower ends to pass under the lip of the neck of the jar independent of any movement of the spring-arm.

The manner of hinging the hooks to the spring-arm by interlocking the ends is an important feature of the invention, as by this means all side movement of the hooks is prevented, and a greater resisting pressure is had upon the spring-arm in locking the clamp.

The ends of the spring-arm are bent side-wise purposely, as shown, to form feet of greater length to engage with the lower face of the lip of the neck, and when in position they are at right angles with the movable arms of the clamp.

In practice the spring arm D is first adjusted over the top of the cap or cover with the interlocking hooks in an upright position, and the bent ends placed under and engaging with the face of the lip of the jar at right angles, or quartering with the spring-arm D, in which position they will fulcrum upon the bent central portion of the spring-arm, and the entire clamp will be kept firmly in position.

In order to remove the cap, the ends of the hooks are first released from the lip, when the whole clamp can be easily removed from the jar.

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

1. The herein-described fruit-jar clamp, consisting in the combination of the spring-arm D and the movable spring-hooks E E, hinged upon the spring-arm D and composed of double strands of wire, whose ends are interlocked at the point of hinging to the arm D, substantially as described.

2. The combination, with a fruit-jar and its cover, of the skeleton clamp consisting of the spring-arm D, bent as described, and the spring-hooks E E, hinged to the arm D and composed of double strands of wire, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

JOSEPH PERKINS. [L. S.]

Witnesses:

C. W. M. SMITH,
CHAS. E. KELLY.