

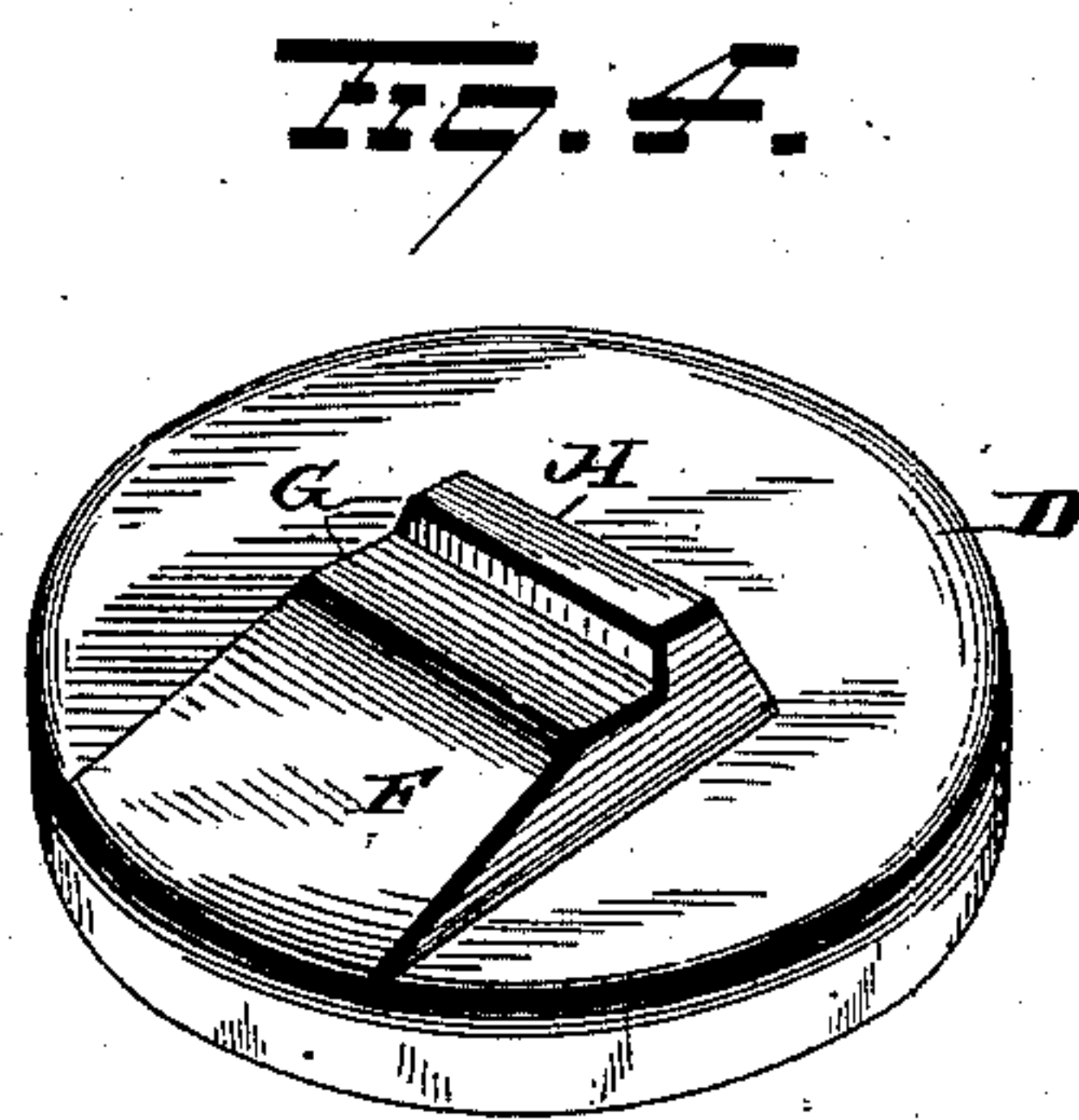
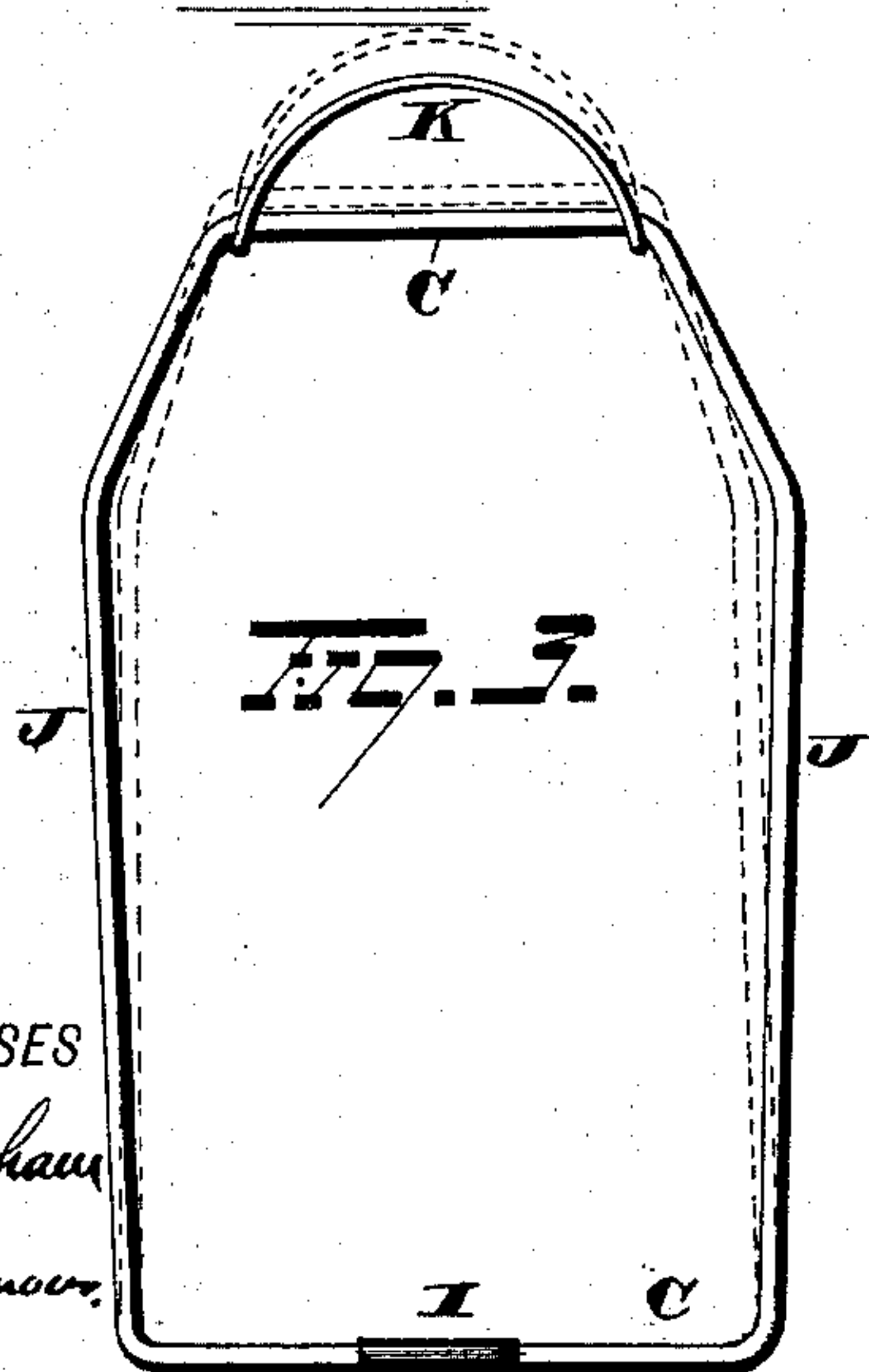
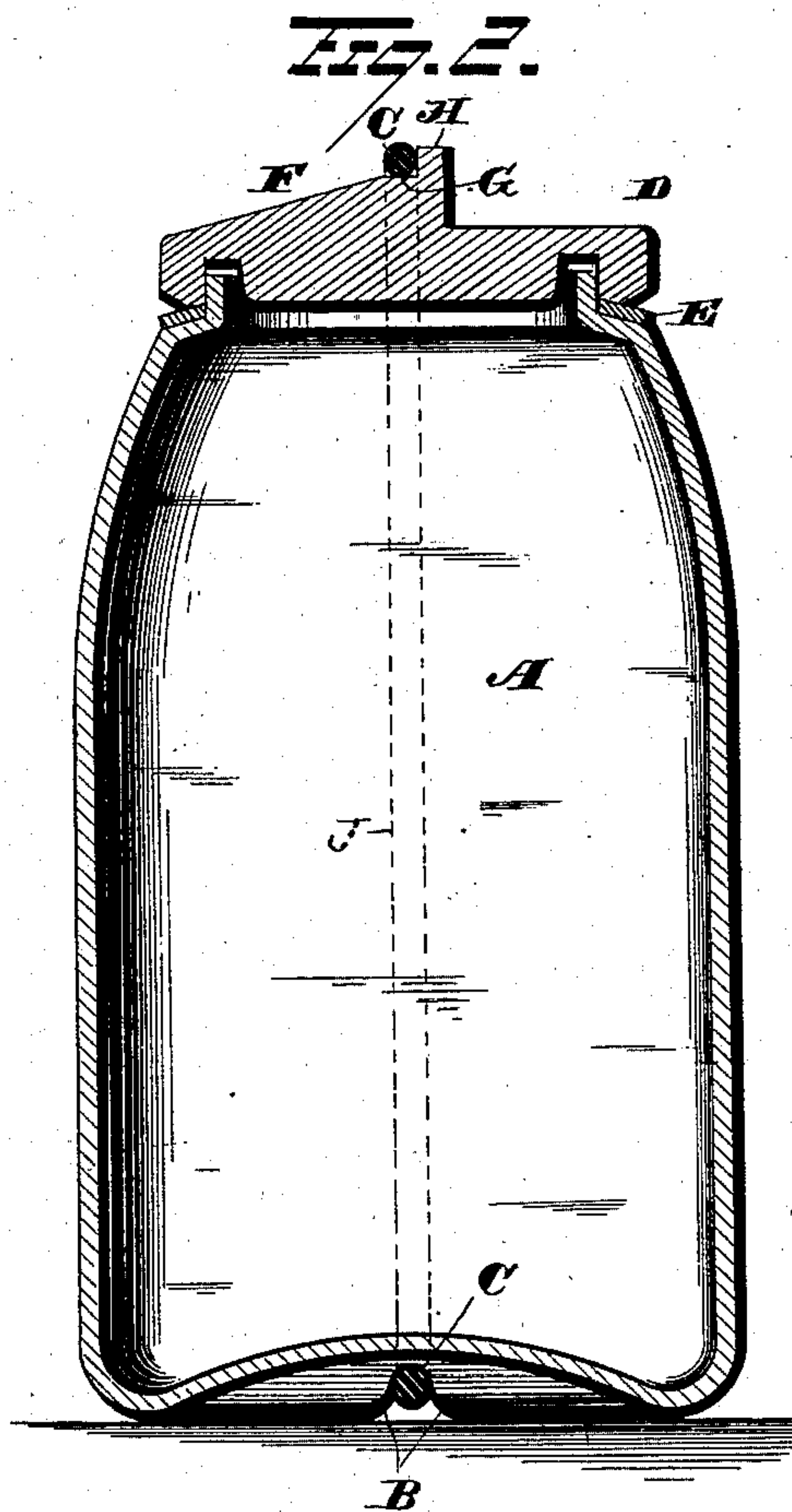
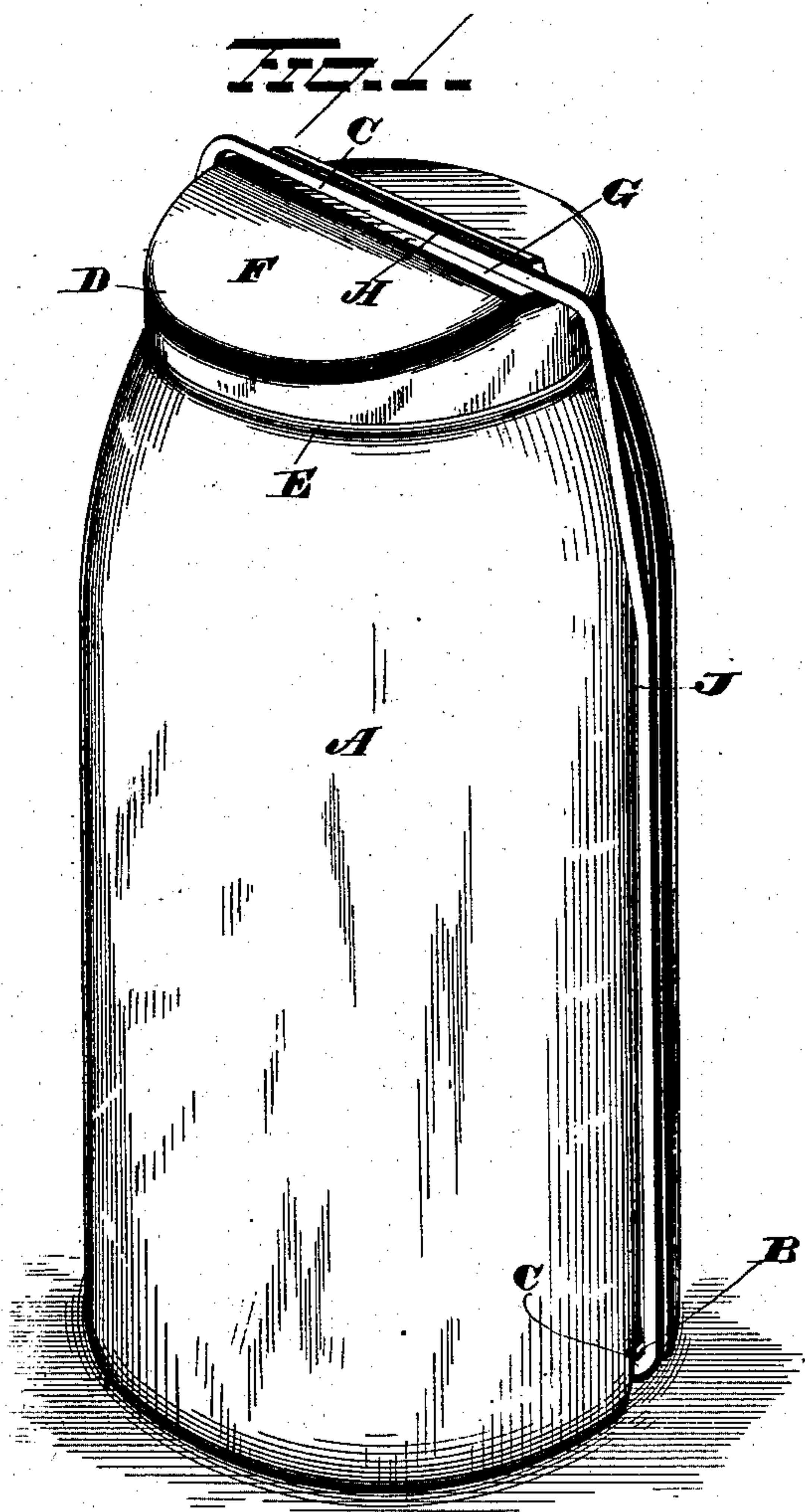
(No Model.)

J. GILBERDS.

FRUIT JAR.

No. 282,188.

Patented July 31, 1883.



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UNITED STATES PATENT OFFICE.

JAMES GILBERDS, OF JAMESTOWN, NEW YORK.

FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 282,188, dated July 31, 1883.

Application filed June 30, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES GILBERDS, of Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Fruit-Jars; 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 relates to an improvement in fruit-jars, and more particularly to that class thereof which are provided with beveled covers secured in place by spring-stirrups encircling the jars and covers. The object of the present invention is to improve the construction of the covers and stirrups, and to provide the latter with bails.

With these objects in view, my invention consists in the combination, with a fruit-jar, of a beveled cover having a flat bearing-surface and provided with a stop-ledge, and a spring-stirrup arranged to encircle the jar and cover and hold the latter in place.

My invention further consists in the combination, with a fruit-jar having a beveled cover provided with a central bearing-surface, of a spring-stirrup arranged to encircle the jar and cover and to hold the latter in place, and having its side bars bent or bowed outwardly.

My invention further consists in the combination, with a fruit-jar having a beveled cover provided with a central bearing-surface, of a spring-stirrup arranged to encircle the jar and cover and hold the latter in position, and a bail attached to the upper cross-bar of the stirrup.

My invention further consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of a fruit-jar embodying my invention. Fig. 2 is a view thereof in vertical section. Fig. 3 is a detached view of the spring-stirrup with bail attached, the dotted line representing the shape assumed by the stirrup when applied to a jar; and Fig. 4 is a perspective view of a modified form which my improved cover may assume.

In the drawings, A represents the body of the jar, which may be of any desired form and

construction. Its lower edge is provided with suitable grooves, B, which receive the lower cross-bar, C, of the spring-stirrup, and form the bearings in which it turns. The cover D of the jar is adapted to fit over the neck thereof and impinge upon the rubber gasket E surrounding it. The top of the cover is provided with the beveled face F, which extends from its edge to the central bearing-surface, G, the same being flat and running entirely across the center of the cover. My invention, so far as the cover is concerned, consists in providing it with the stop-ledge H, which runs parallel with and adjoins the bearing-surface aforesaid. This ledge, as its name implies, performs the function of arresting the upper cross-bar of the stirrup upon the bearing-surface. In other words, it prevents the said bar from being drawn quickly over the said bearing-surface by the effort to apply the stirrup. The object in using a flat bearing-surface is to bring the stirrup to a condition of rest while at its highest tension, instead of allowing it to relax in that condition, as would result from the employment of a depressed bearing-surface requiring no stop-ledge to arrest the stirrup. The said stirrup is made of a section of spring-steel wire bent into the required shape and coppered, galvanized, or otherwise treated to guard against its corrosion. Its ends are united on the line of its lower cross-bar by a ferrule, I, to which they are soldered, or by any equivalent suitable means. The upper and lower cross-bars, C, of the stirrup are straight, or substantially so, while its side bars, J, are bent or bowed outwardly, to permit it to be sufficiently extended in the direction of its length to encircle the jar and cover, which it will not do without such extension, and to cause it to act as a spring for holding the cover in place. By curving both sides of the stirrup in the manner described, the effect of the two springs is obtained and a very effective fastener is produced. Also, the location of the springs in the side bars of the stirrup enables it to be made with a straight upper cross-bar, which, by engaging with the beveled face of the cover of the jar from edge to edge, steadies the stirrup and facilitates the sealing of the jars. Again, the said bar, by engaging at every point of the flat bearing-

surface of the cover, effects an even distribution of pressure throughout the same, whereby a more perfect sealing of the jar results.

A stirrup constructed in accordance with my invention, being longitudinally extensible, compensates for contractions and expansions in the length of the jar resulting from changes in its temperature, and most observed while cooling after being filled with heated fruit or
10 conserves.

A bail, K, attached to the upper cross-bar of the stirrup, affords easy means of handling the jar, and, being permanently attached to the stirrup, it is much more convenient and
15 safer in use than the removable bails ordinarily employed.

The modified cover shown in Fig. 4 of the drawings is essentially like the cover shown in the other figures, the beveled face, bearing-
20 surface, and stop-ledge being simply cut away on each side.

I am aware that a jar-cover provided with a beveled face and a bearing-surface is not new; but I do not believe such a cover has been
25 provided with a stop-ledge.

I am also aware that a stirrup arranged to encircle a jar, and having its upper cross-bar bent inwardly to form a spring, is old. I do not therefore claim such a stirrup, broadly,
30 but limit my claim to a stirrup provided with bent or bowed side bars.

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

1. The combination, with a fruit-jar, of a beveled cover having a flat bearing-surface and provided with a stop-ledge, and a spring-stirrup arranged to encircle the jar and cover and to hold the latter in place, substantially
35 as set forth.

2. The combination, with a fruit-jar having a beveled cover provided with a central bearing-surface, of a spring-stirrup arranged to encircle the jar and its cover and hold the latter in place, and having its side bars bent or
40 bowed outwardly, substantially as set forth.

3. The combination, with a fruit-jar having a beveled cover provided with a central bearing-surface, of a spring-stirrup arranged to encircle the jar and cover and hold the latter
45 in place, and a bail attached to the upper cross-bar of the stirrup, substantially as set forth.

4. The combination, with a beveled cover having a central bearing-surface and provided with a stop-ledge running parallel with and adjoining the said bearing-surface, of a spring-stirrup arranged to encircle the jar and cover and to hold the latter in place, and having a straight upper cross-bar and bent or
50 bowed side bars, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES GILBERDS.

Witnesses:

GEO. F. DOWNING,
S. G. NOTTINGHAM.