

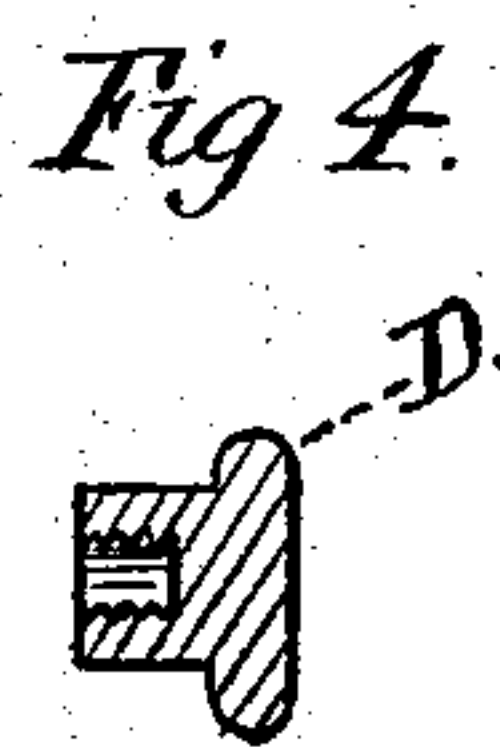
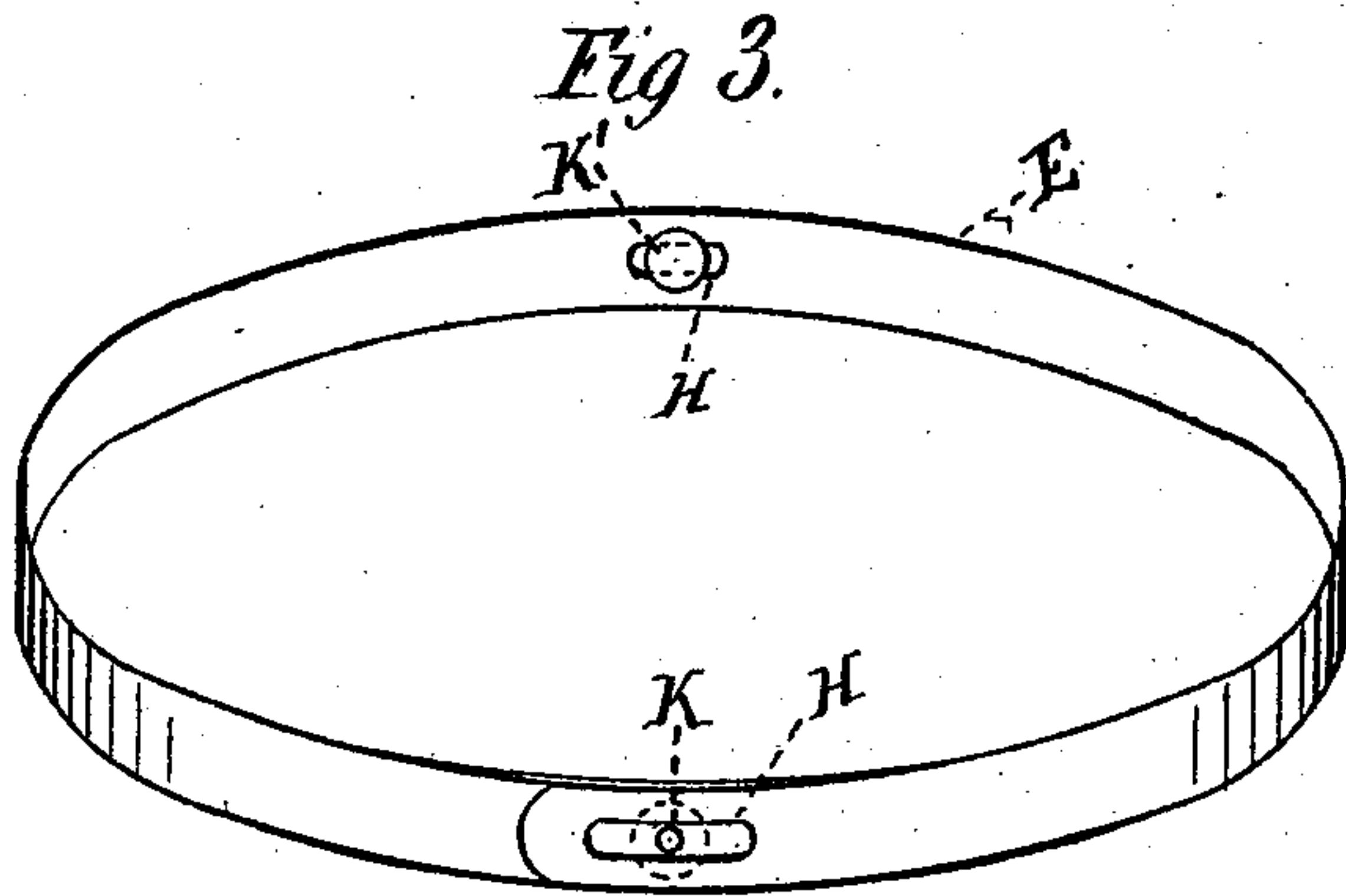
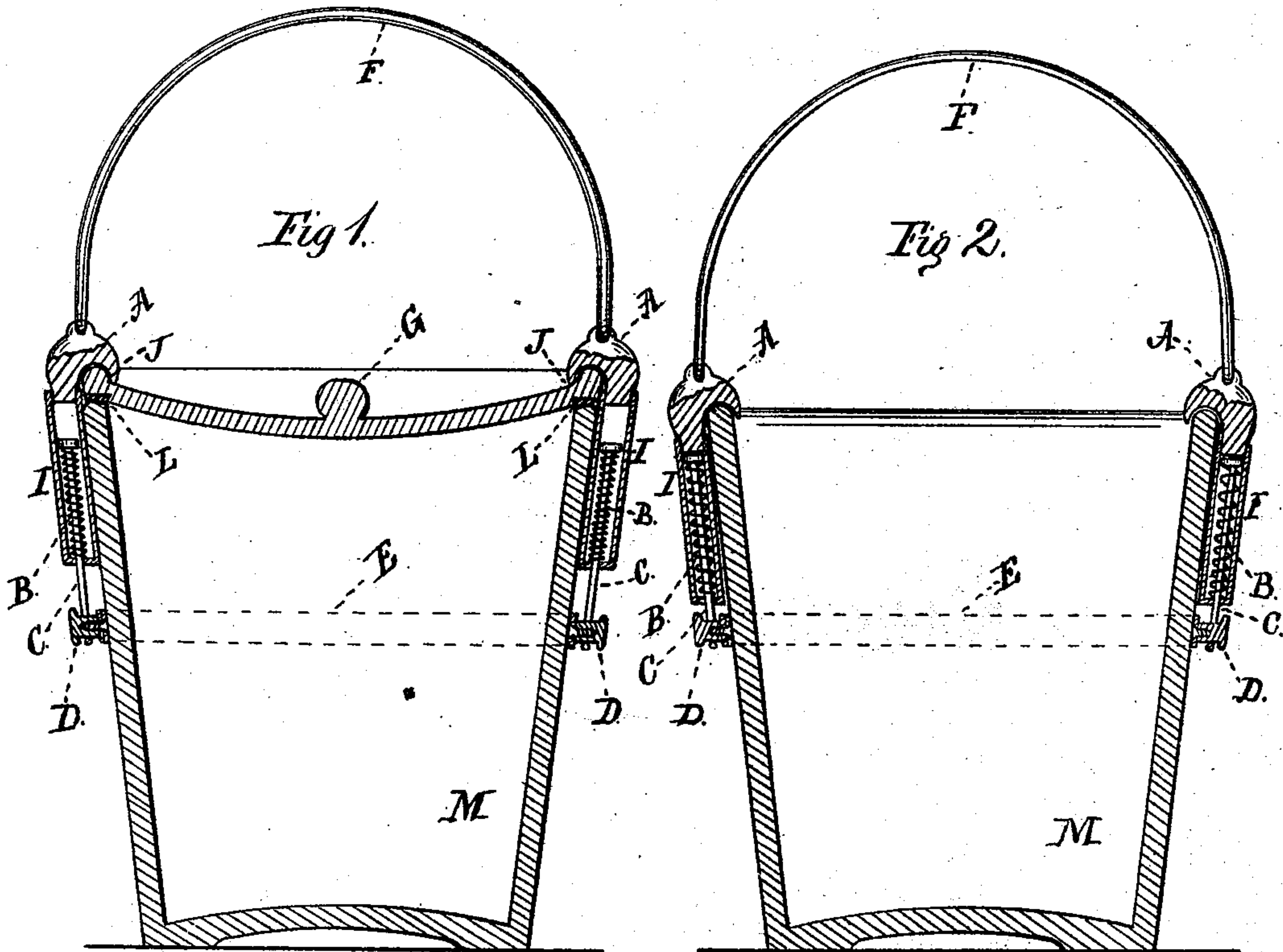
(No Model.)

J. M. KELLER.

JAR FASTENING.

No. 377,831.

Patented Feb. 14, 1888.



WITNESSES:

Andrew Zane
John F. Joy

INVENTOR

Joseph M. Keller

UNITED STATES PATENT OFFICE.

JOSEPH M. KELLER, OF PHILADELPHIA, PENNSYLVANIA.

JAR-FASTENING.

SPECIFICATION forming part of Letters Patent No. 377,831, dated February 14, 1888.

Application filed December 17, 1886. Serial No. 221,890. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH M. KELLER, a citizen of the United States, and a resident of the city of Philadelphia, in the county of Philadelphia, and State of Pennsylvania, have invented certain Improvements in Jars and Jar-Fastenings, of which the following is a specification.

The object of the invention is to produce a jar for milk, fruit, &c., which shall be cheap, convenient, and durable.

Figure 1 is a vertical sectional view of the jar with the lid attached; Fig. 2, a similar view with the lid detached. Fig. 3 is a perspective view of the band or collar. Fig. 4 is a detached sectional view of the thumb-nut used for the purpose of connecting the band with the springs and catches, as hereinafter described.

In the drawings, A A represent the catches, which bear or clasp on the edge of the jar-lid when the same is attached and on the edge of the jar when the lid is detached, as shown in Figs. 1 and 2 of the drawings.

B B are spiral springs set in tubes I I and surrounding the rods C C. Each of the said rods is provided with a head, against the lower face of which the said springs rest or bear with their upper ends. Each rod C passes through a hole in the bottom of its tube I, and is attached to a nut D, as shown in the drawings.

E is a band, which can be made of wire, if desired, although I have shown a flat form of band, hereinafter described.

F is the bail or handle attached to the catches A A, which have their hooks J J projecting inwardly, thus bearing on the lid G of the jar when the said lid is on the same and on the upper edge of the jar when the lid is off, as shown in Figs. 1 and 2 of the drawings. The said catches A A have their lower ends inserted and securely fastened in the tubes I I. The said catches A A also contain a hole at their upper ends for the purpose of connecting the bail or handle F, as shown in drawings. The springs B B are made of metal and are spiral, as shown, although they may be made of rubber or in other forms; but it is preferred to have them as shown in the drawings.

The rods C C are made of metal, having a head at the top, as and for the purpose aforesaid, and

have their lower ends bent for the purpose of connecting them with the thumb-nut D of band E, thereby connecting or combining catches A A and bail F, springs B B, and band E, as hereinafter more fully described.

The band E is made of metal, having slots H at each end and in the center of the same, as shown in Fig. 3, for the purpose of adjusting it to various-sized jars. Each thumb-nut D is screwed on a bolt, K, which said bolts are inserted one in each of slots H of the band E, as shown in Fig. 3, thereby holding the band together and firmly to the jar and enabling the rods C C to be connected with the thumb-nuts D D, as aforesaid and shown in the drawings. Thus it will be easily understood that by pulling or raising the bail or handle F, the same being connected with the catches A A, the latter will therefore also be raised, causing the springs B B to contract, and the lid or cover G can then be easily removed, after which said springs will expand and draw down the catches A A, so as to bear on the upper edge or rim of the jar, as shown in Figs. 1 and 2 of the drawings.

The lid G can be made of glass, wood, or metal, and is provided with a recess around its lower edge, which recess inclines on its sides inward and upward, or is beveled, so as to hold the rubber cushion L in its place after the lid is removed, this cushion or gasket bearing on the upper edge of the jar when the lid is in place. The said lid G is covered below, the object of which is to compress the contents of the jar, thereby preventing agitation in transportation.

I am aware that various kinds of springs, catches, and bands have heretofore been used to fasten lids or covers on jars, &c., in various patents; but I am not aware that the same have been used having the attachments combined in the manner herein set forth and described.

The aforesaid fastenings can be used on various kinds of vessels, pails, &c.

Therefore, what I deem new and desire to claim as my invention is—

1. The combination of the jar M, the bail or handle F, the said bail being attached on opposite sides of the jar M to catches A A, the said catches having their hooks J J projecting in-

wardly, thus bearing on the lid when the same is applied, and on the edge of the jar when the said lid is removed, the aforesaid catches being securely fastened in the upper ends of the tubes
5 I I, the latter inclosing springs B B, and rods C C, connected with the band E, substantially as and for the purpose described.

2. In combination, the jar or vessel M, the bail or handle F, the latter attached on opposite
10 site sides to catches A A, which catches have their hooks J J projecting inwardly, so as to bear on the lid when the said lid is applied, and

on the upper edge of the jar when the aforesaid lid is removed, the aforesaid catches A A being connected with springs B B on opposite sides, 15 and the said springs being attached at their lower ends to a band or collar, E, the said band encircling the jar or vessel M, the whole operating for the purpose set forth in the description.

JOSEPH M. KELLER.

Witnesses:

C. C. MARACHE,
JOHN F. JOY.