

(No Model.)

S. J. DUNKLEY.
JAR AND FASTENER.

No. 533,282.

Patented Jan. 29, 1895.

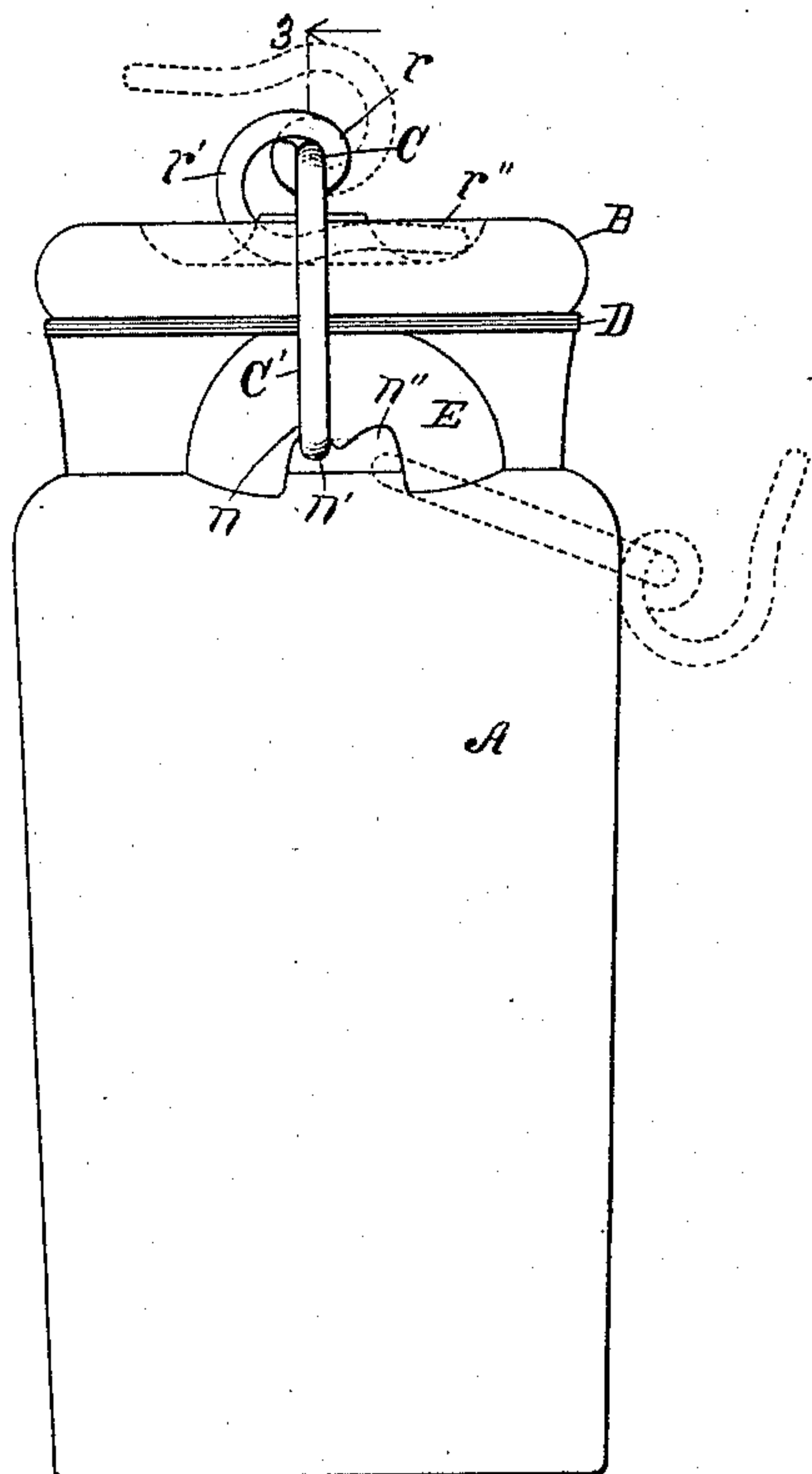
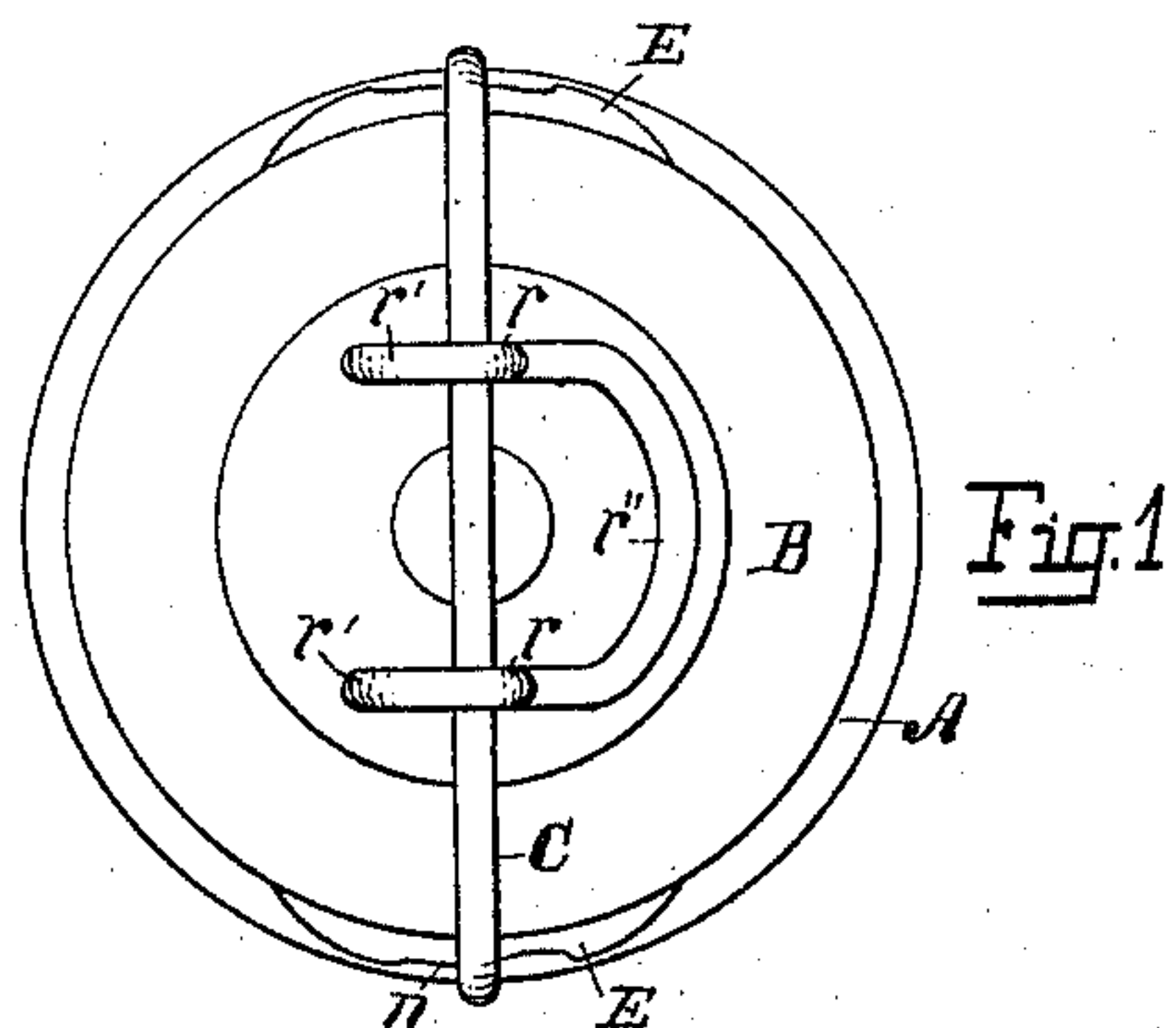


Fig. 2

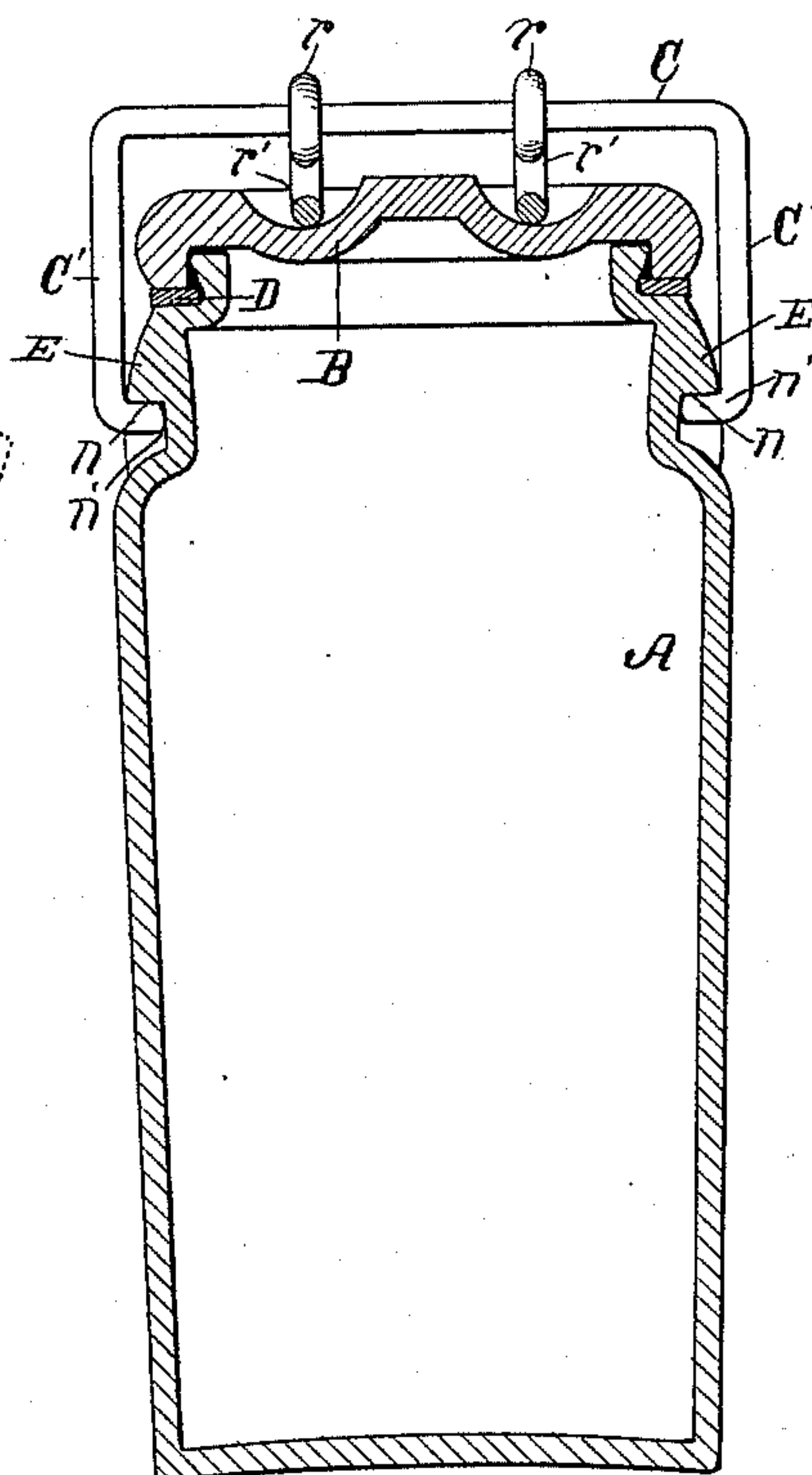


Fig. 3

Witnesses:
Chas. S. Wood
M. J. Longyear

Inventor,
Samuel J. Dunkley
By *Fred L. Chappell*
Att'y.

UNITED STATES PATENT OFFICE.

SAMUEL J. DUNKLEY, OF KALAMAZOO, MICHIGAN.

JAR AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 533,282, dated January 29, 1895.

Application filed July 28, 1894. Serial No. 518,792. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL J. DUNKLEY, a citizen of the United States, residing at Kalamazoo, in the county of Kalamazoo and State of Michigan, have invented certain new and useful Improvements in Jars and Fasteners, of which the following is a specification.

My invention relates to improvements in jars and jar tops, and the means for fastening the tops to the jars.

The objects of my invention are to dispense with the metal bands usually placed around said jars for the purpose of attaching the same and so improve their appearance for display purposes.

Another object is to cheapen the construction of such devices.

Still another object is to provide such a device that will be quick and convenient of operation, that is, to provide a device in which the cover can be easily applied and removed.

Another object is to provide a can in which the cover of the jar is held with the jar, and in shipment of the jar or in processing goods canned, that will not allow the cover to be thrown from the jar, when loosened, but will retain it to drop into place.

I accomplish these objects by the device shown in the accompanying drawings, in which—

Figure 1 is a top plan view of my improved jar with the cover applied. Fig. 2 is a side elevation of the same showing the method of attaching the fastener to the side of the jar. Fig. 3 is a sectional view of the jar on line 3—3 of Fig. 2, looking in the direction of the little arrows.

Similar letters of reference refer to similar parts throughout the several views.

A, is the main part of my improved jar which is preferably constructed of glass.

B is the cover.

D is the usual rubber gasket placed between the jar and its cover.

To each side of the jar and cast integral therewith, are projecting lug portions, E, E. Each of these is notched at n and n'' , the notch n'' being to one side of the center. A square bail engages in the notches, n and n'' .

The lower ends are turned in at n' and engage in the notches, n , n'' , instead of being engaged in ears on the jar. The bail has a

horizontal portion, C, at the top and vertical parts, C', at each side of the jar. On the transverse part, C, of the bail, is situated a cam, which is composed of wire curved into a loop, r , directly round the horizontal portion, C, of the bail, and the wire is then sprung out in a larger circle at r' , and finally rounded into the portion, r'' , and is adapted to be moved against the jar and away from it, as indicated by dotted lines in Fig. 2. When it is swung up into the position indicated by dotted lines at the top of Fig. 2, the bail portion, C', can be depressed and moved over into the notches, n'' , when it will spring over to one side clear from the cover and drop down into the position indicated by dotted lines below in Fig. 2, still remaining attached. This permits the cover to be placed upon the jar and permits the jar to be filled, at the same time. The jar and fastener never become separated, which is very desirable indeed. It also leaves the cover so that it can be easily removed or replaced on the jar. When the jar has been filled, the bail is swung around into position and the cam depressed, and the bail portion, r' , springs into an annular depression in the top of the cover, which is there constructed to receive it, and is retained in position by passing the center of attachment. This construction of the bail and cam in this form, with the depression in the upper side of the top of the jar to receive the cam, and when so constructed that it is necessary to spring the bail to swing it away from over the top of the can, causes the fastener by the parts of the cam projecting into the recess in the top of the cover to retain the top of the jar when the cam is loosened so that the jar and its top will not become separated; and it will not be necessary to swing the cam to clamp the cover upon the jar in shipment. This is desirable as it saves full tension of the bail for the time when any article is placed in the jar to be preserved. This result may also be accomplished by moving the bail, C, to engage the notches, n'' , which are higher up and then locking the clamp.

I am aware that in the construction of glass jars a similar cam to the one here shown has been used for the purpose of attaching the cover, and also similar bail like portions for

swinging over the top of the cover, but in the attachment of such devices, metal bands are used which is a waste of material and also mars the appearance. I do not claim such
5 bail and cam construction broadly, but

What I do claim, and desire to secure by Letters Patent, is—

The combination of the jar, A, having lugs, E, on either side, with a recess and double
10 notches, n , n'' , therein; a cover, B, on said jar; a bail portion having parts, n' , to engage the notches in the lugs, E, to each side of the jar; a cam composed of wire looped around

the bail at r , and sprung out into a larger circle, r' , and formed into a loop, r'' , to swing 15 into an annular recess in the top to the can and retain the same, substantially as described.

In witness whereof I have hereunto set my hand and seal in the presence of two wit- 20 nesses.

SAMUEL J. DUNKLEY. [L. S.]

Witnesses:

M. J. LONGYEAR,
W. S. WOOD.