

No. 721,166.

PATENTED FEB. 24, 1903.

S. J. DUNKLEY.

JAR.

APPLICATION FILED MAR. 13, 1901.

NO MODEL.

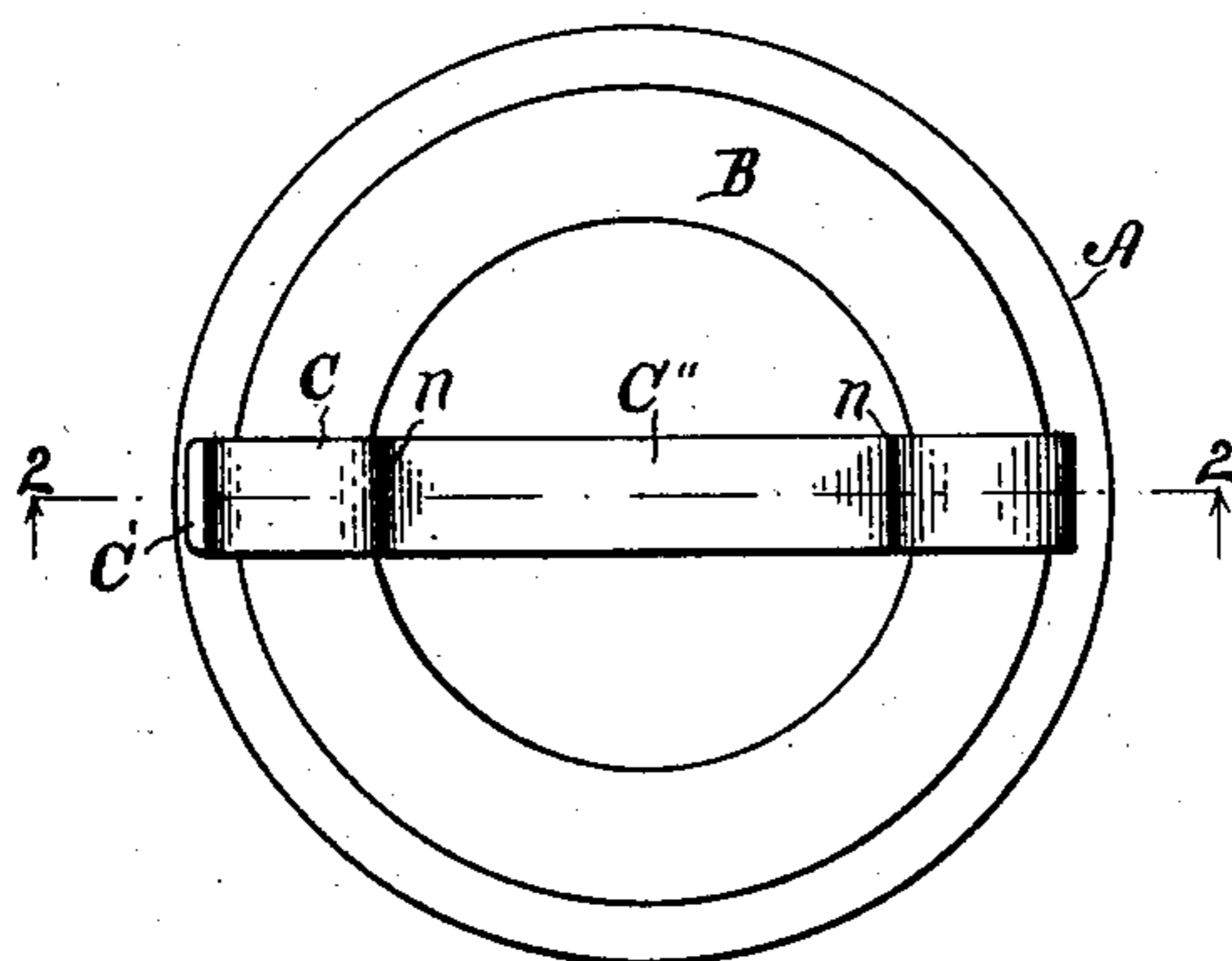


Fig. 1

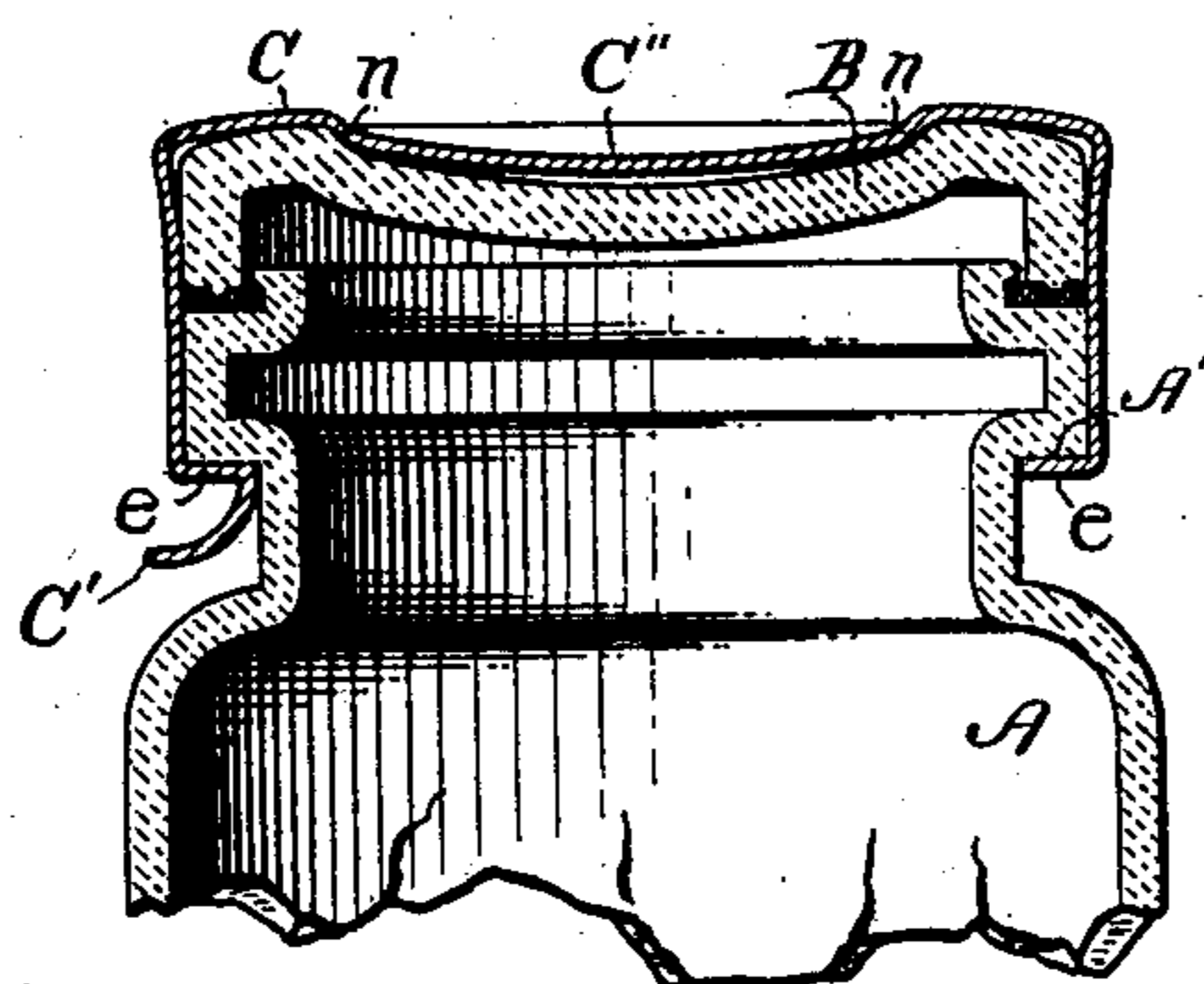


Fig. 2

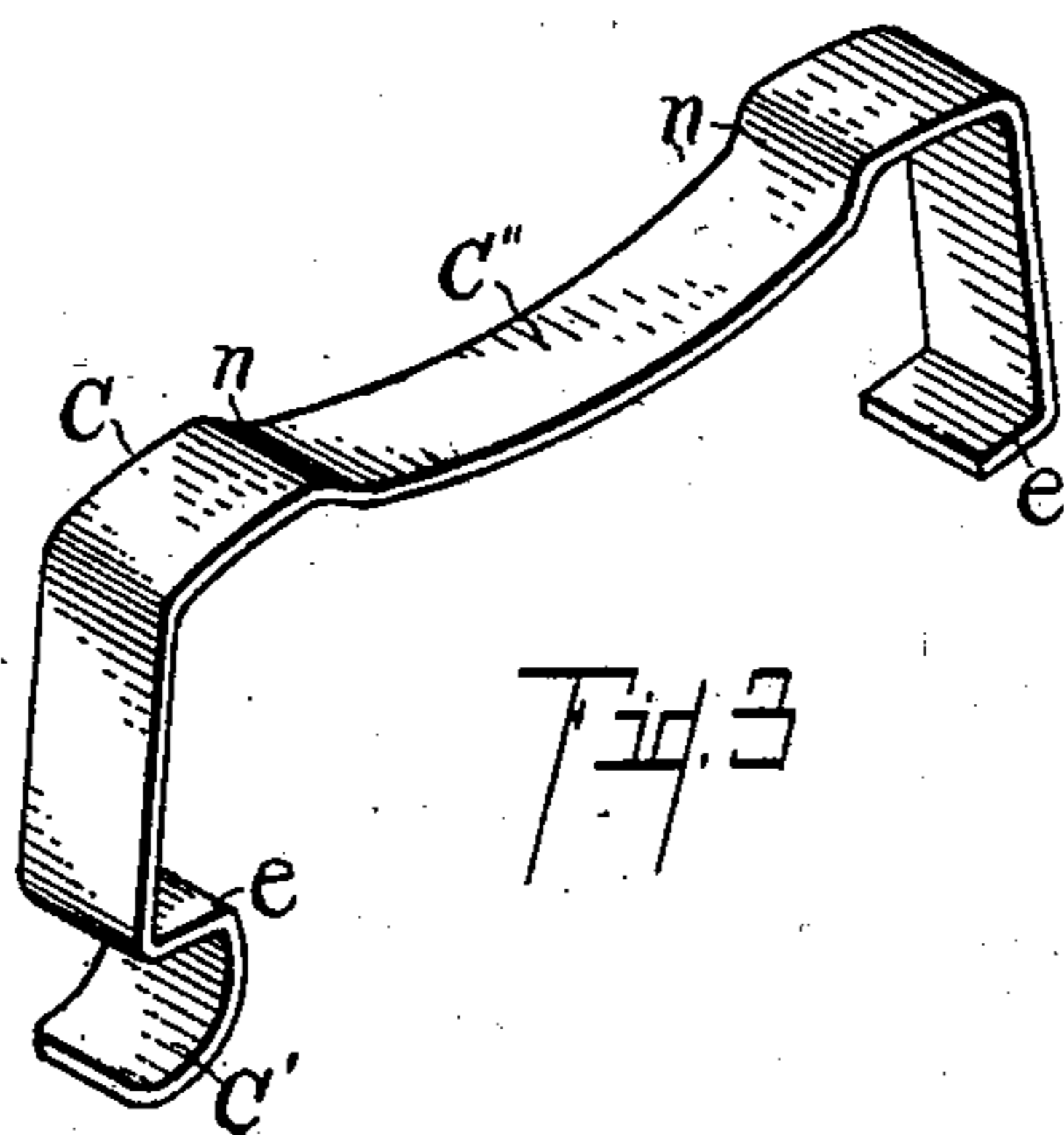


Fig. 3

Witnesses:

A. E. Houghton

Otis A. Earl

Inventor,

Samuel J. Dunkley

By Fred L. Chappell
Att'y.

UNITED STATES PATENT OFFICE.

SAMUEL J. DUNKLEY, OF KALAMAZOO, MICHIGAN, ASSIGNOR TO DUNKLEY COMPANY, OF KALAMAZOO, MICHIGAN.

JAR.

SPECIFICATION forming part of Letters Patent No. 721,166, dated February 24, 1903.

Application filed March 13, 1901. Serial No. 50,913. (No model.)

To all whom it may concern:

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

This invention relates to improvements in preserving jars or cans.

10 This invention relates to a modification and improvement of the structure appearing in my Patent No. 673,048, of April 30, 1901, and of the structure of my Patent No. 610,897, of September 20, 1898.

15 It is the object of this invention to use the same "short-lever" principle as appears in said patents for the clip for the top and also to strengthen the same by forming the central portion thereof like a truss, so that the cover
20 will be held in place with a much stronger pressure.

I accomplish the object of this invention by the devices and means described in the following specification.

25 The invention is clearly defined and pointed out in the claim.

A structure embodying the features of this invention is fully illustrated in the accompanying drawings, forming a part of this specification, in which—
30

Figure 1 is a plan view of a can with my improved top and clip in position. Fig. 2 is a vertical detail sectional view of the top portion of the can or jar on line 2 2 of Fig. 1.
35 Fig. 3 is an enlarged detail perspective view of the spring for holding the jar in position.

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

40 Referring to the lettered parts of the drawings, A is the body of the can, and A' is the shoulder, the top of which is preferably square.

B is the can-top, concaved at the center and slightly raised near the periphery, which is adapted to fit or rest upon the usual gasket or rubber. The spring-clip has a downwardly-bowed central portion C'', with little kinks *nn* forming projections adapted to engage the
50 can-top at the raised portion toward each side.

The clips are extended into engaging portions *ee* toward each end, which engage beneath the shoulders toward the top of the jar, as I have stated. The concave form of the center of the can-top confines the spring longitudinally and causes the concaved central part of the spring to become a very rigid truss. The central part is out of contact with the top, and the only points of contact with the cover are at the slightly-raised part toward the periphery. The spring can thus be regarded as a lever or two levers. The power is applied by the bowed spring at the center and the work is done at the point *e*, the fulcrum being at *n*, on each half of the spring being thus considered. A projecting thumb-piece C' is provided for withdrawing or forcing the clip into place. This, however, is not an essential of my invention.

I desire to state that the form of the various parts which I have enumerated can be considerably varied so long as the spring-clip for the top is concaved at the central part and engages the cover in such manner as to form fulcra toward the periphery of the can-top, and the ends project downwardly and engage suitable shoulders or projections on the body of the can.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—
80

The combination of the can A having shoulders toward its top; a cover B adapted to fit thereon and being concave toward its center with projections toward its periphery; a spring-clip concaved at its center and contacting with the cover only at the projections toward the periphery and extending downwardly and inwardly and engaging the shoulders on the can, whereby the central portion of the spring is braced like a truss and exerts a strong pressure for the purpose specified.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

SAMUEL J. DUNKLEY. [L. S.]

Witnesses:

ALICE E. HOUGHTON,
OTIS A. EARL.