

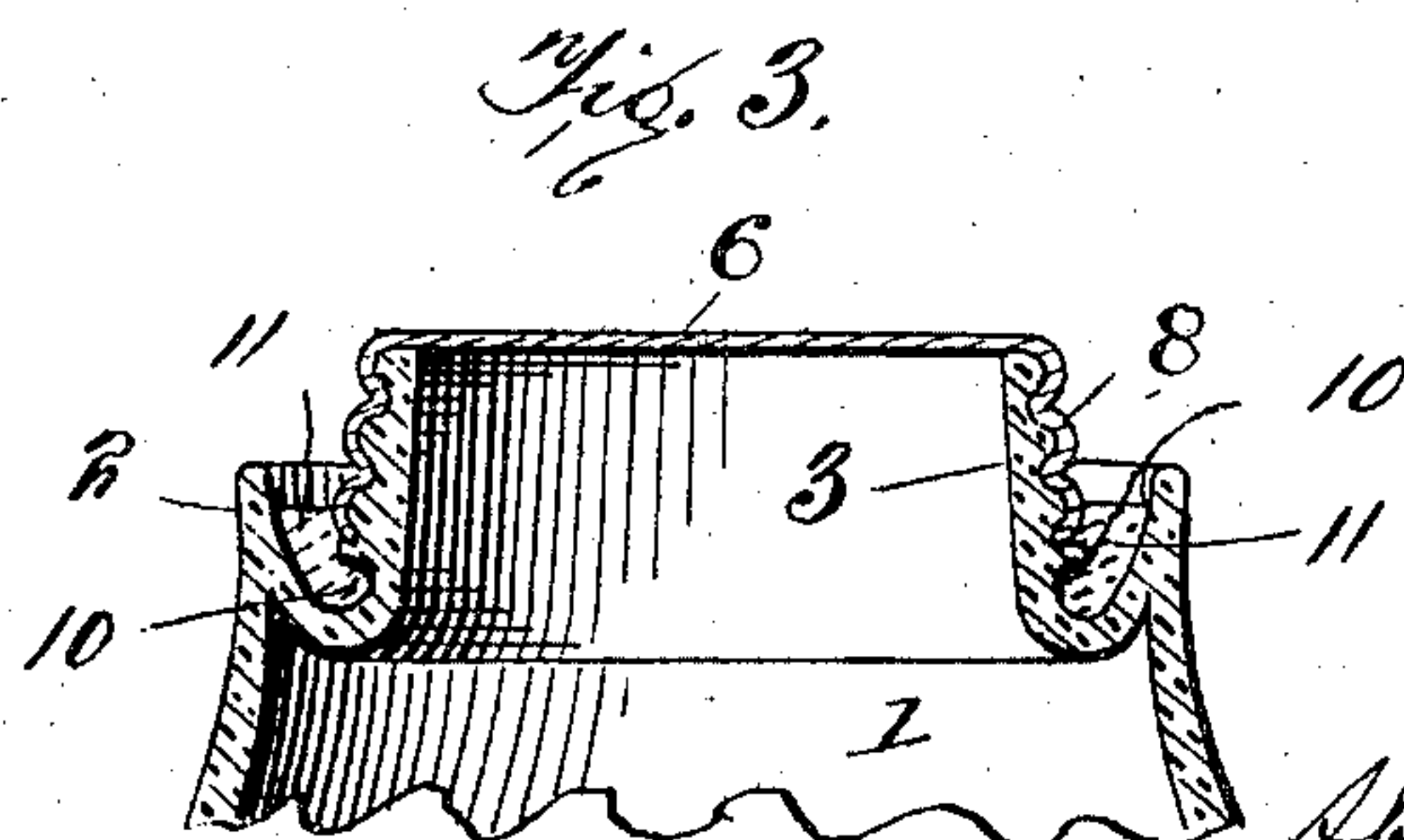
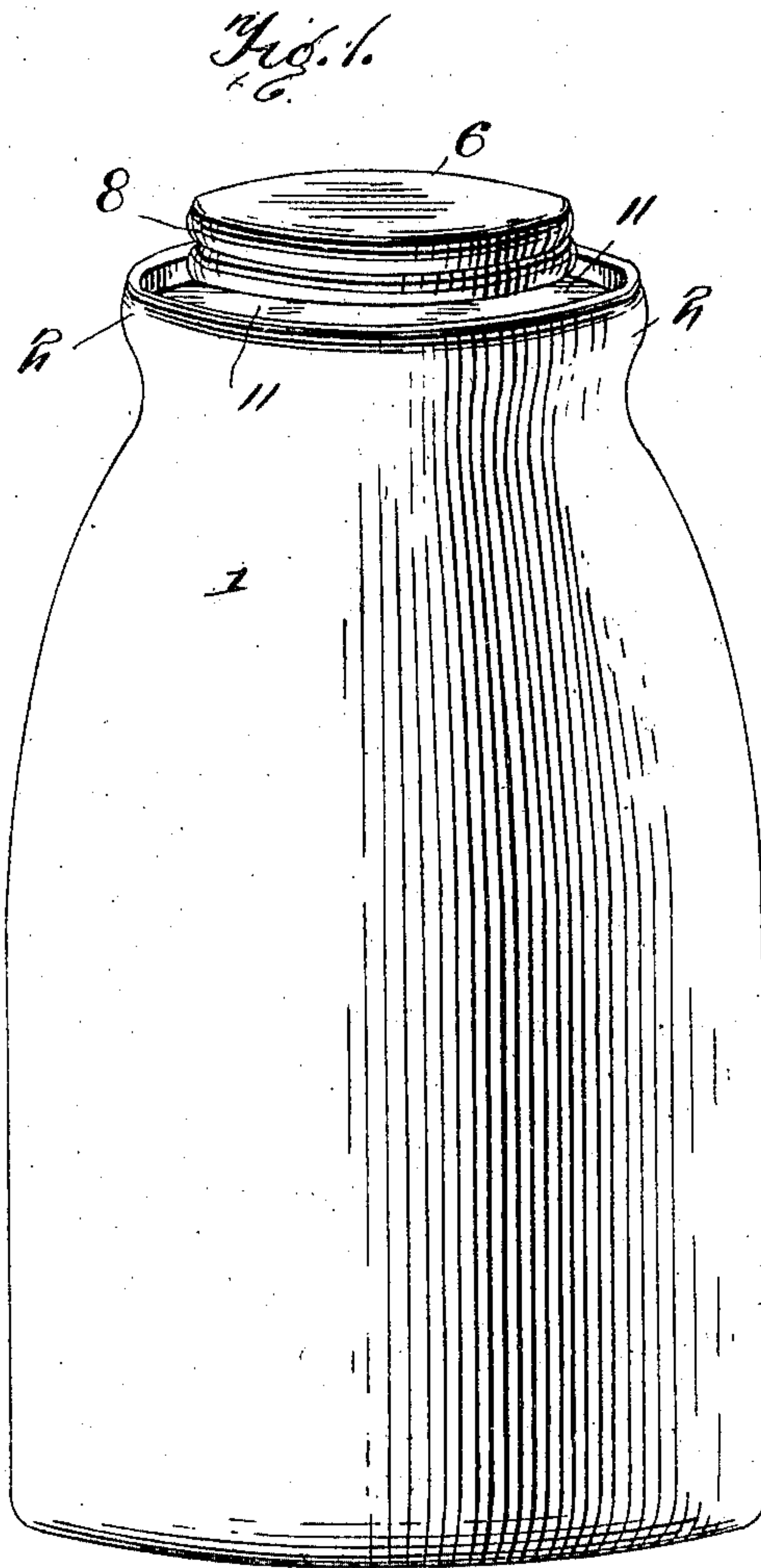
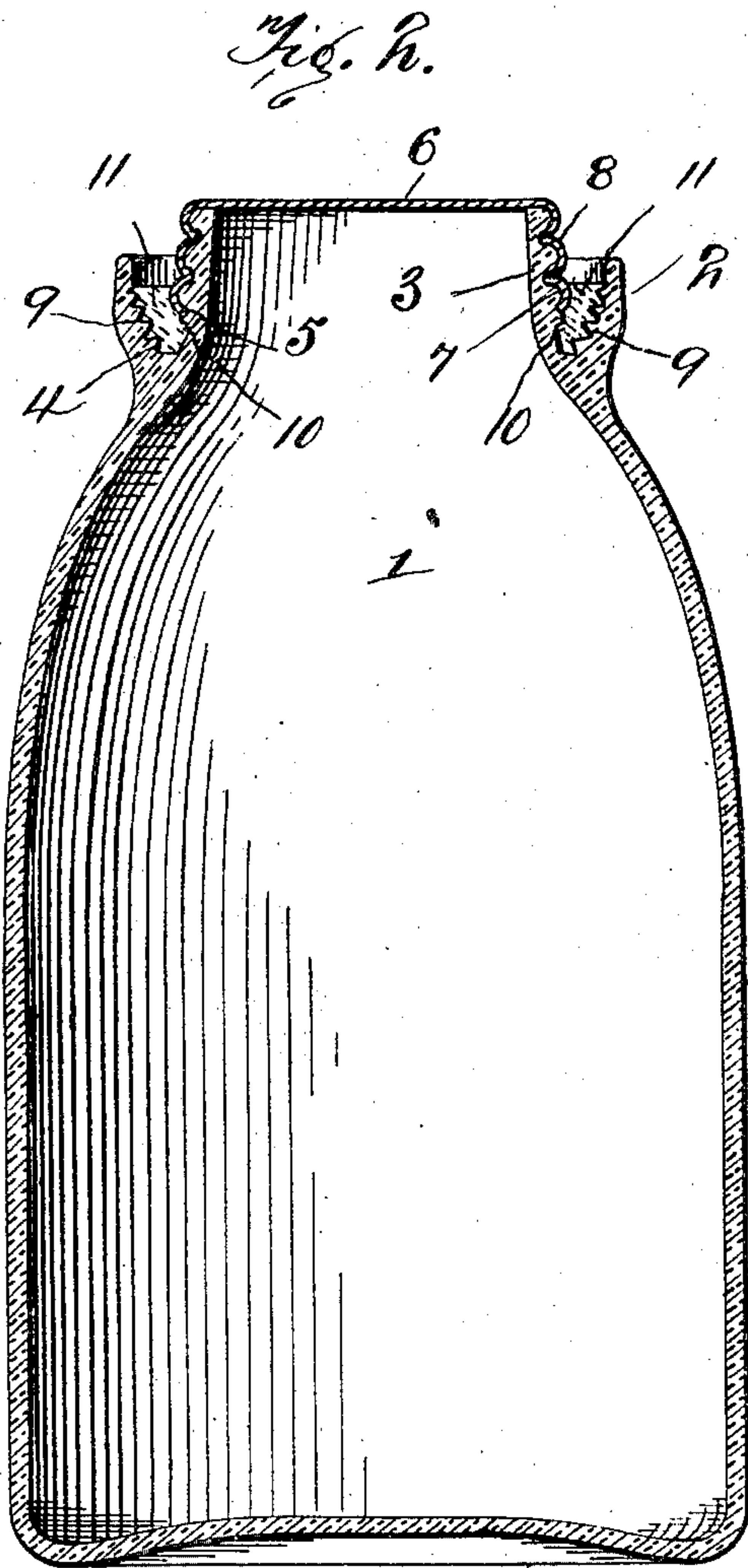
No. 681,717.

Patented Sept. 3, 1901.

A. P. LOCKETT.
FRUIT JAR.

(Application filed Feb. 9, 1901.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

ABNER PERCY LOCKETT, OF KNOXVILLE, TENNESSEE.

FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 681,717, dated September 3, 1901.

Application filed February 9, 1901. Serial No. 48,690. (No model.)

To all whom it may concern:

Be it known that I, ABNER PERCY LOCKETT, a resident of Knoxville, Knox county, Tennessee, have invented a new and useful Improvement in Fruit-Jars, which invention is fully set forth in the following specification.

My invention relates to closures for fruit and other jars, and has for its object to provide for an air-tight closure of jars of this description using a screw or other similar cap with or without the use of the elastic band of rubber upon which the cap rests in the closures of this character heretofore employed.

With this object in view my invention consists of a fruit or other jar, of glass or similar material, having the usual screw-threads formed on the exterior surface of the neck thereof and a metal or other suitable cap having corresponding screw-threads engaging those on the neck of the jar in a manner heretofore well known.

Upon the shoulders of the jar I construct an annular ridge extending entirely around the neck of the jar and forming an annular groove between the neck and said ridge, the bottom of which groove is below the lowermost line of the cap when in place upon the jar, the top of the ridge being in a plane above said lowermost line of the cap. The cap being securely screwed in place, the groove is filled with paraffin or other suitable wax, thereby sealing the joint between the jar and cap air-tight. The inventive idea involved may receive various mechanical expressions, one of which I have shown in the accompanying drawings, in which—

Figure 1 is an isometric perspective of a jar, showing my invention; and Fig. 2 is a vertical section thereof. Fig. 3 is a sectional view of a modification.

In said drawings, 1 is the jar, upon the shoulders of which a ridge 2 is constructed, which ridge extends entirely around the neck 3 of the jar and rises to a height preferably not quite equal to that of the neck 3, thereby forming a groove 4 between the ridge and neck, the bottom of which groove is below the bottom line 5 of the cap 6 when the latter is

screwed in place upon the neck of the jar by the engagement of the screw-threads 7 and 8 on the jar and cap, respectively. Preferably the interior surface of the ridge 2 is roughened, as at 9, or the neck of the jar, below the the lowermost line of the cap 6, is undercut, as at 10, or both the roughened surface 9 and the undercut 10 may be employed. The cap 6 being firmly screwed in place, the groove 4 is filled at a point above the lower line of the cap with a suitable wax 11, melted and poured therein for forming an air-tight joint between the jar 1 and cap 6. I have found paraffin to be exceptionally well suited for this purpose, though other similar waxes may be employed, if desired. The melted wax enters the irregularities of the surface 9 or the undercut 10, or both, as the case may be, and upon the wax becoming cold and hard these act to prevent the wax from falling out should the jar be inverted. Preferably the wax does not extend to the top of the ridge 2, and this latter therefore serves as a protection against injury to the wax in packing and transportation.

Instead of regarding the part 2 as a ridge it may be considered as the shoulder of the jar, the neck having been depressed or sunken into the jar, as shown in Fig. 3, so as to form a groove of sufficient depth around the screw-threaded neck to receive and hold the wax to seal the joint between the jar and its cap.

Many modifications will readily suggest themselves which will be but different mechanical expressions of the inventive idea hereinbefore described.

Having thus described my invention, I claim—

1. A fruit or other jar having an upwardly-projecting screw-threaded neck, a screw-threaded cap thereon, a ring of wax surrounding said cap and neck and sealing the joint formed between the lower edge of the cap and jar and entering an undercut in the jar, and a ridge on the jar surrounding the wax and extending above the top surface of the wax, but not above the neck.

2. A fruit or other jar having an upwardly-

projecting screw-threaded neck depressed
within the body of the jar so as to form an
annular groove between the neck and the body
of the jar, a screw-threaded cap secured on
5 said neck with its lower edge projecting into
said groove and a suitable wax in the groove
around the cap and sealing the joint between
the cap and jar.

In testimony whereof I have signed this
specification in the presence of two subscrib- 10
ing witnesses

ABNER PERCY LOCKETT.

Witnesses:

E. S. PARKER, Jr.,
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