

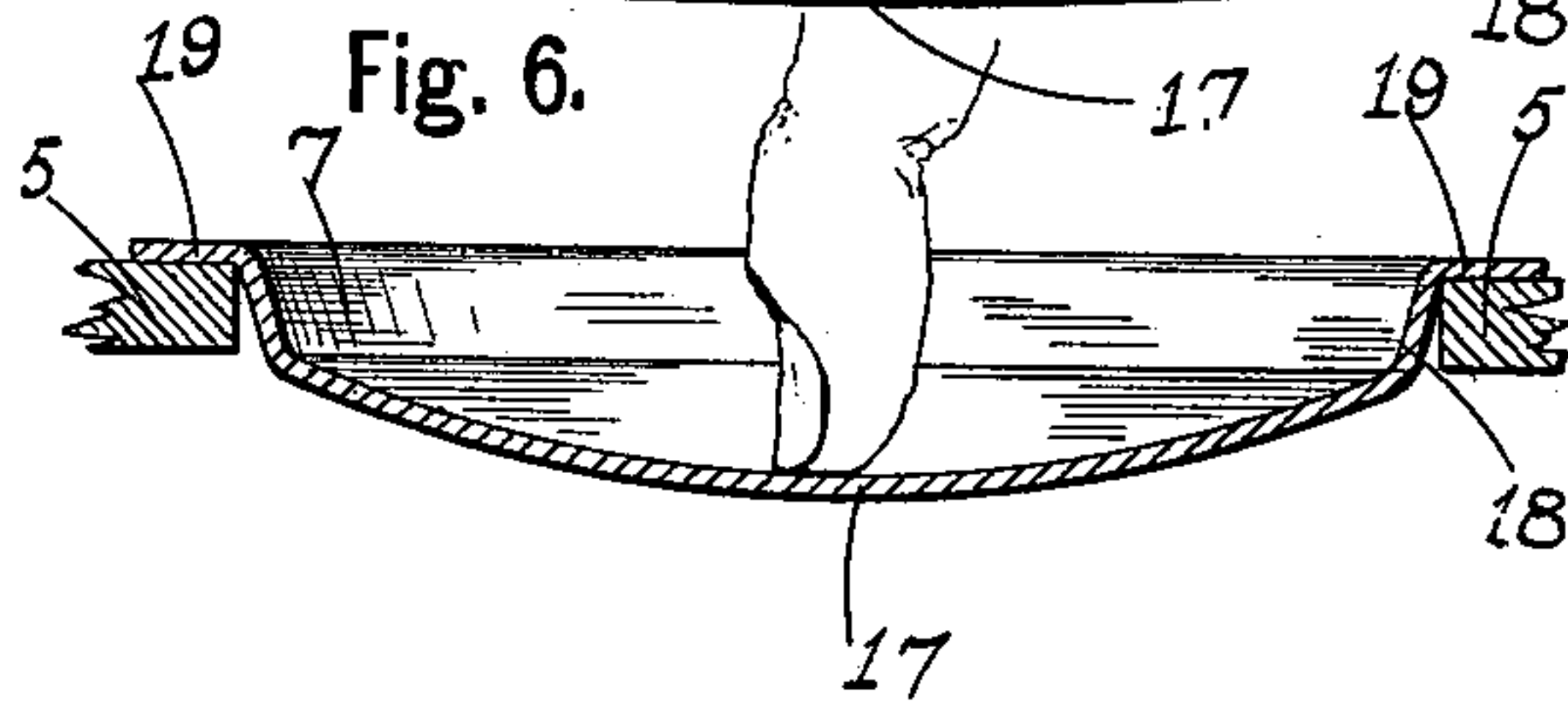
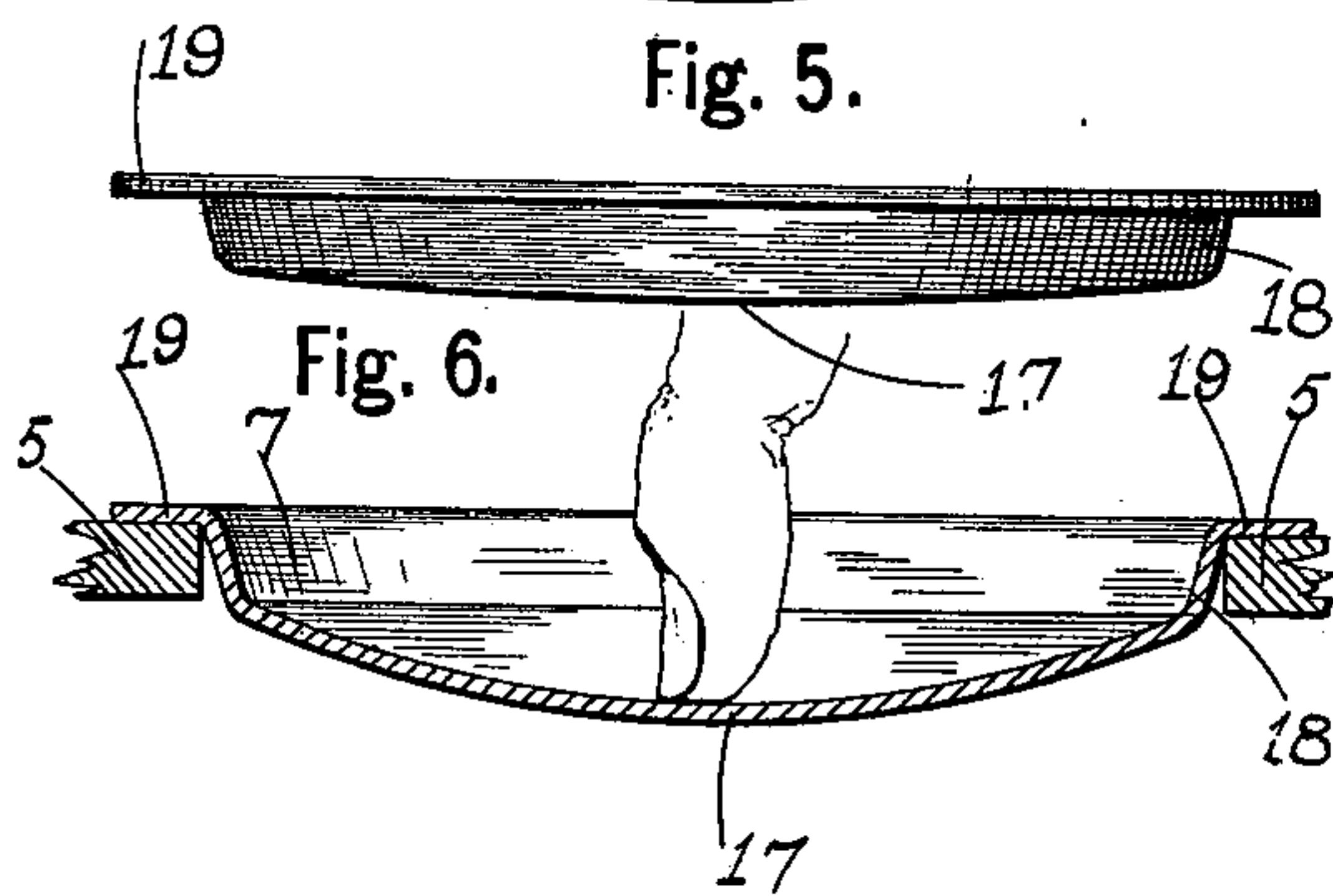
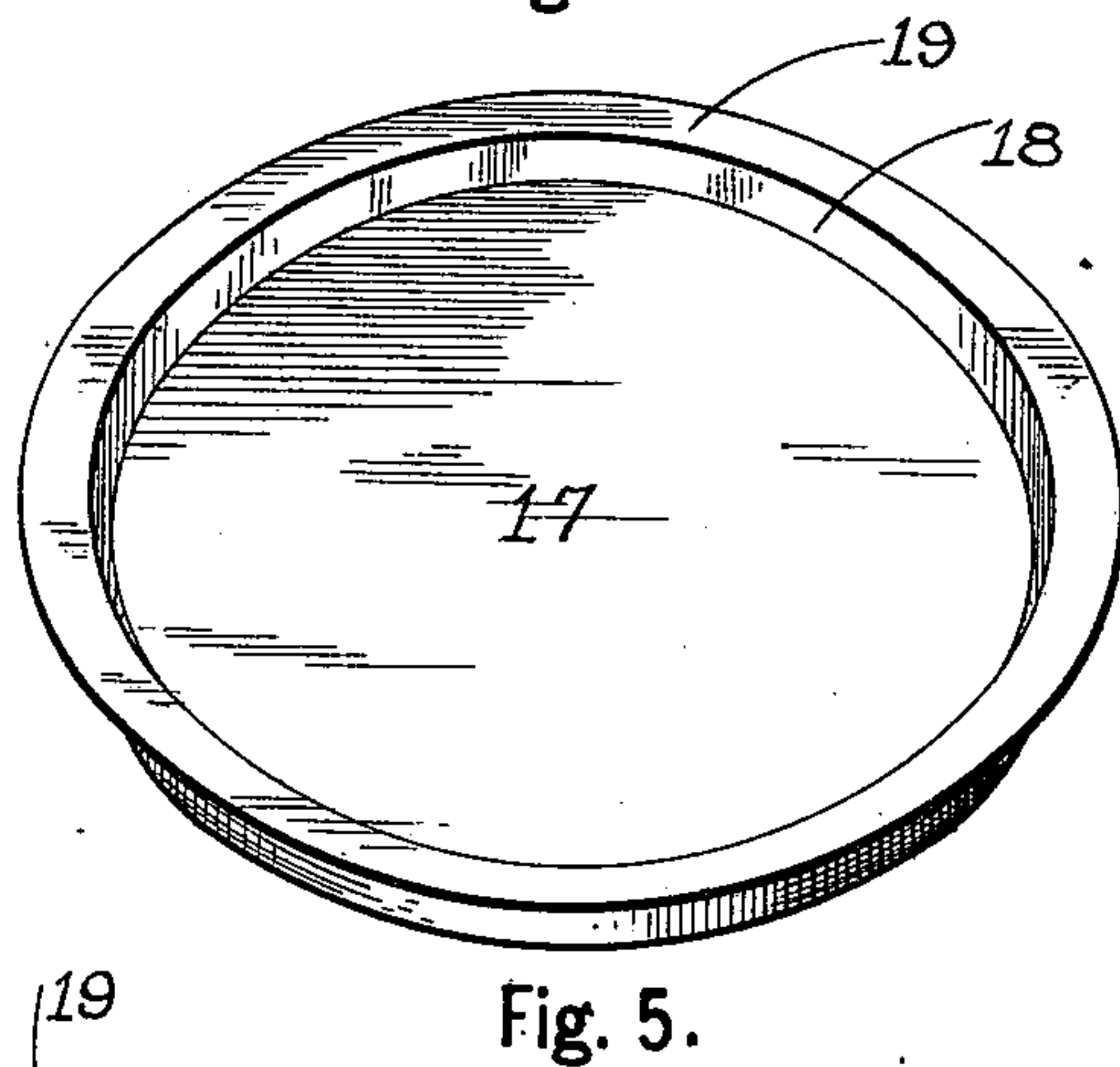
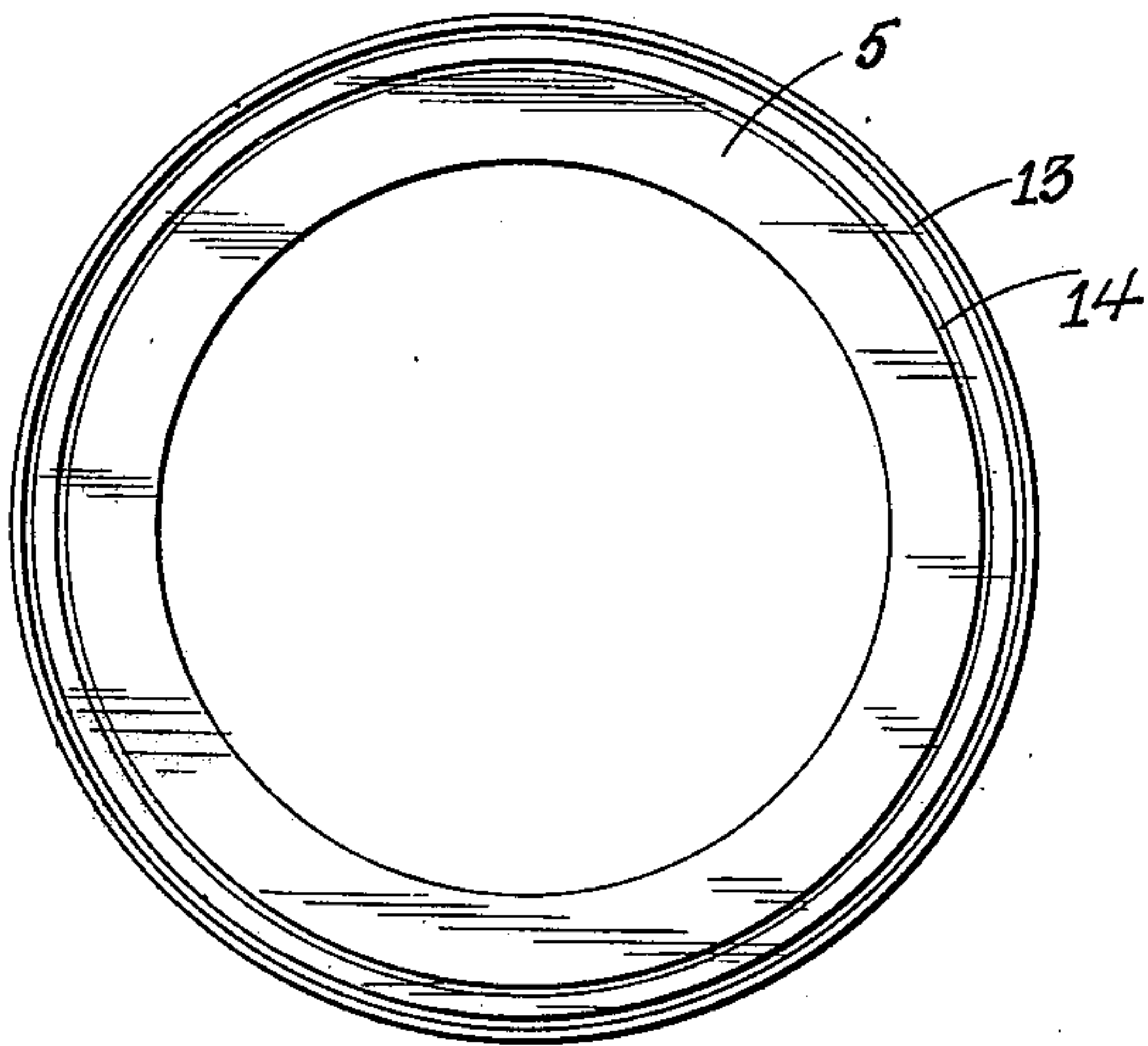
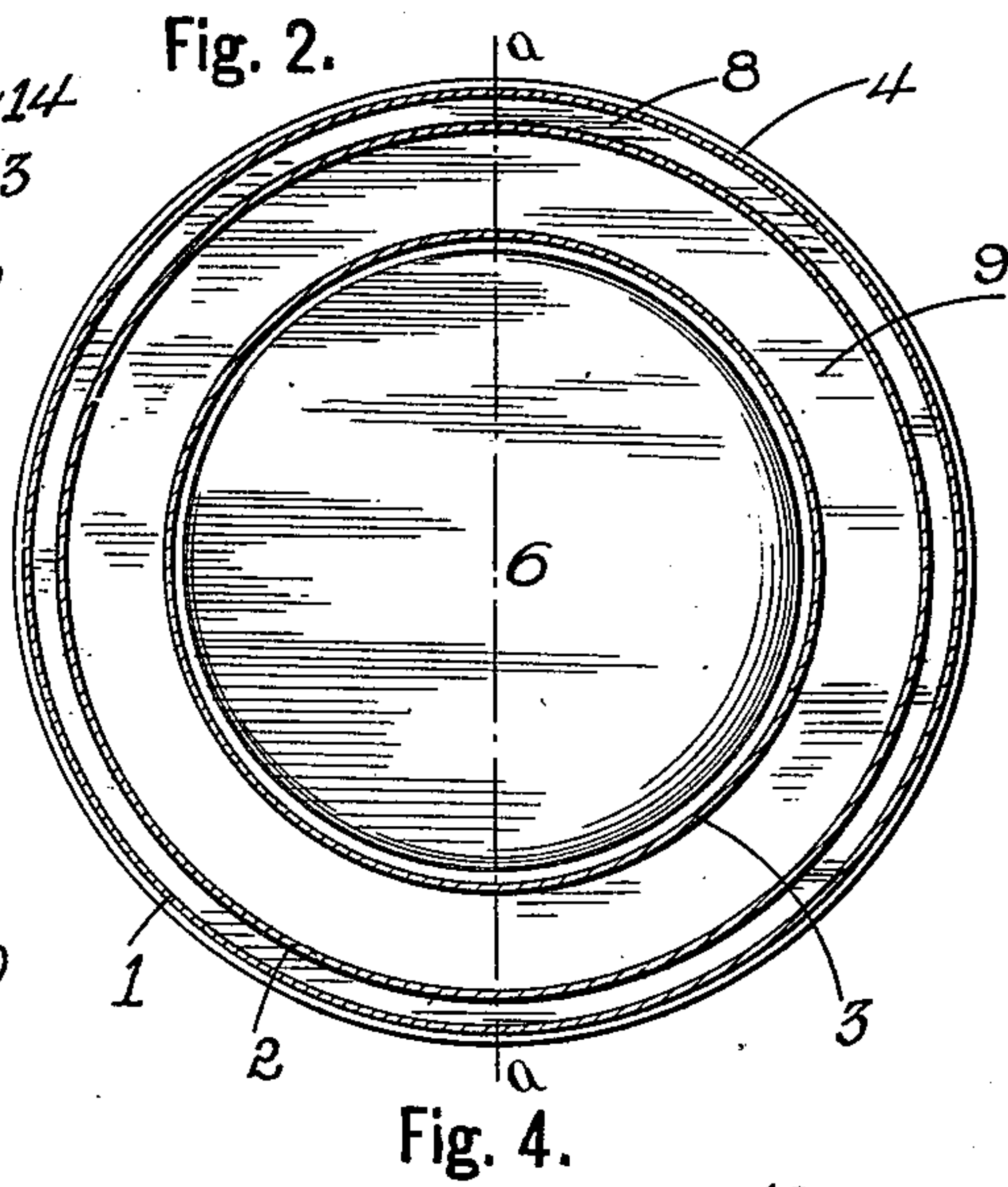
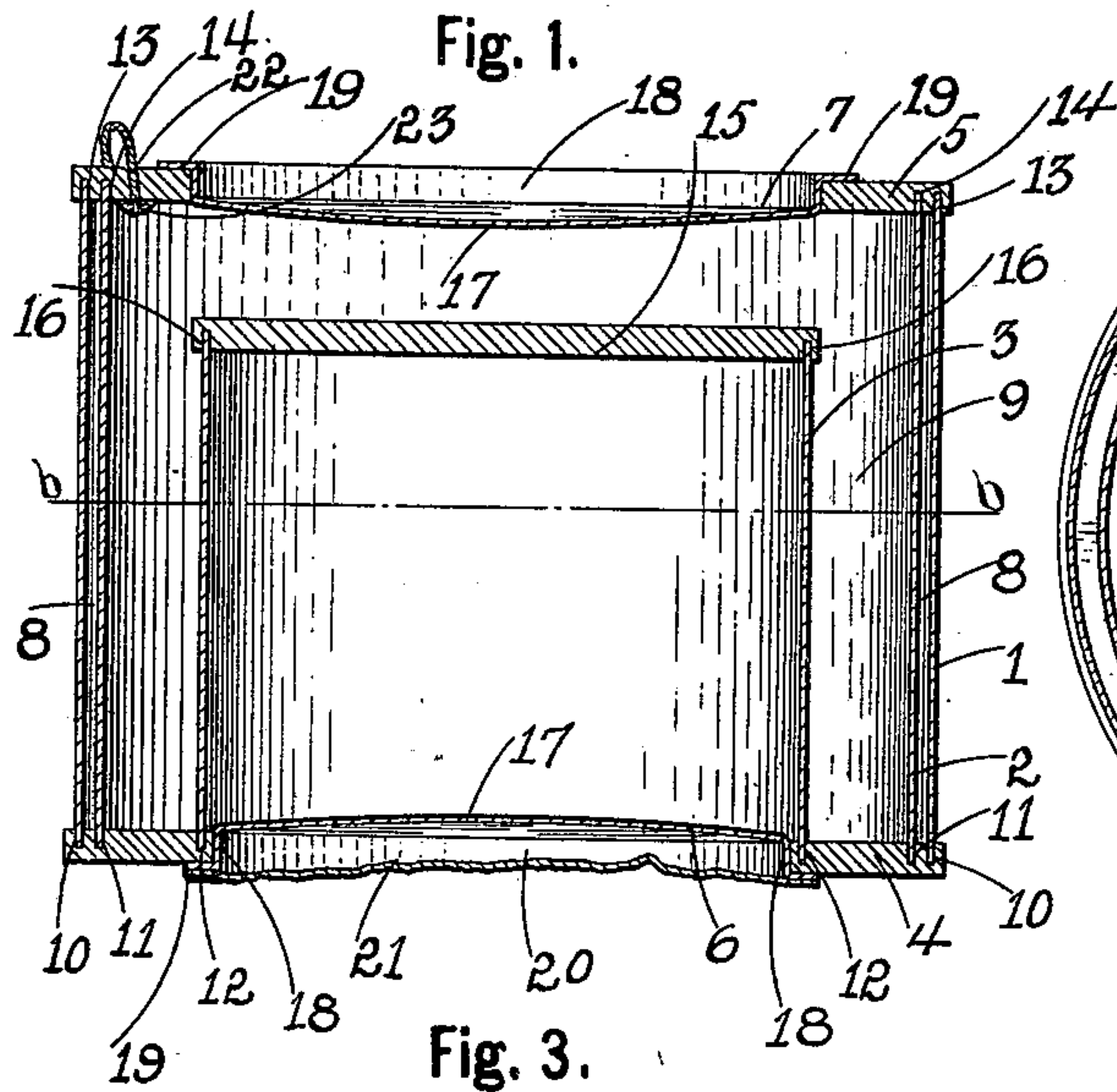
No. 675,128.

Patented May 28, 1901.

L. A. DEUTHER.
ICE CREAM CARRIER.

(Application filed Sept. 7, 1900.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

LORENZ A. DEUTHER, OF BUFFALO, NEW YORK.

ICE-CREAM CARRIER.

SPECIFICATION forming part of Letters Patent No. 675,128, dated May 28, 1901.

Application filed September 7, 1900. Serial No. 29,307. (No model.)

To all whom it may concern:

Be it known that I, LORENZ A. DEUTHER, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Ice-Cream Carriers, of which the following is a specification.

My invention relates to an improved receptacle or carrier for ice-cream; and the object of the invention is to provide a simple, cheap, and easily-constructed article of this character.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The invention is susceptible to various changes in the form, proportion, and minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a central vertical section of my improved carrier on or about line *a a*, Fig. 2. Fig. 2 is a horizontal section on line *b b*, Fig. 1. Fig. 3 is a detached face view of one of the grooved annular end pieces. Fig. 4 is a perspective view of one of the paper stoppers. Fig. 5 is a detached side view of one of the paper stoppers. Fig. 6 is a section through one of the stoppers and fragments of one of the annular end pieces to illustrate the manner of seating the cover in the end piece.

In referring to the drawings for the details of construction like numerals designate like parts.

The receptacle or carrier is composed of three paper cylinders 1, 2, and 3, each of different diameter, annular end pieces 4 and 5, of wood, and paper stoppers 6 and 7. The two cylinders 1 and 2 form the double outer walls of the carrier, and the inner cylinder 2 is smaller in circumference than the outer cylinder 1 and is separated therefrom sufficiently to leave an annular non-heat-conducting air-space 8 between the two cylinders. The cylinder 3 forms the wall of the ice-cream holder and is of considerably less circumference than the cylinder 2 to leave an annular space 9 between cylinders 2 and 3 of sufficient size to receive the ice or other cooling

medium. The annular end pieces 4 and 5 are each provided on one side with circular concentric grooves, each of which corresponds in diameter with and receives the end of one of the cylinders. The lower end piece 4 is provided with three circular concentric grooves 10, 11, and 12, and one end of each cylinder 1, 2, and 3 is fitted in one of said grooves, as shown in Fig. 1. The upper end pieces 5 have but two grooves 13 and 14, in which the upper ends of the cylinders 1 and 2 are fitted, as the cylinder 3 is shorter than cylinders 1 and 2 and does not extend to the upper end piece 5. (See Fig. 1.)

The upper end of cylinder 3 is closed by a circular wooden end piece 15, which has a circular groove 16 to receive the upper end of the cylinder.

The stoppers 6 and 7 are each formed of stiff springy paper and in one integral piece and are sprung into the openings in the annular end pieces to close the same by pressing the center 17 down, and thus reducing the circular side 18 in circumference, so that the stopper will seat itself, substantially as shown in Fig. 6. The outer flange 19 serves to limit the entrance of the stopper to the opening and also to strengthen and stiffen the same. The side 18 is preferably made slightly tapering, so that it will easily enter the opening.

The stopper 6, which is used to close the opening in the lower end piece 4 in the bottom, is provided with a non-heat-conducting air-chamber 20, formed by covering the outer mouth of its depression with a sheet of flexible paper 21. The paper sheet is sufficiently loose to permit its being pressed against the center of the stopper when it is seated in the opening in the carrier. (See Fig. 1.)

The carrier or receptacle is provided with a holding-loop 22, which is secured in place by passing the ends 23 of the loop through openings in the end piece, spreading the ends, and then applying a portion of glue to the spread ends 23, which when dry securely holds the ends in place and makes it watertight. (See Fig. 1.)

In assembling the carrier the grooves in the end pieces are filled with glue and the ends of the cylinders pushed into place.

To render the carrier waterproof, it is dipped into paraffin after it is assembled.

By this means a very cheap carrier of this type can be manufactured which is exceedingly stiff and strong and positively water-tight owing to the wooden end pieces and the manner of rigidly fastening the paper cylinders thereto.

The main advantages of my improved carrier reside in the strong and stiff water-tight construction, as above mentioned, the novel form of paper stopper, and the manner of sliding the stoppers in the openings in the carrier.

I claim as my invention—

1. A carrier for ice-cream composed of three concentric cylinders; the two outer cylinders forming the outer double walls of the carrier, and the inner cylinder the wall of the ice-cream holder, and said inner cylinder being smaller in circumference to leave space for ice, and two end pieces having concentric circular grooves filled with glue in which the ends of the cylinder are pressed.

2. A carrier for ice-cream composed of three concentric cylinders; the two outer cylinders forming the outer double walls of the carrier, and the inner cylinder the wall of the ice-cream holder, and said inner cylinder being of less circumference and length to leave space for ice, an upper and lower end piece; said lower end piece having three concentric grooves in which the lower ends of the cylinders fit, and the upper end piece having two concentric grooves in which the upper ends of the two outer cylinders fit and a circular end piece of smaller size having a circular groove in which the upper end of the inner cylinder fits; said grooves being filled with glue and the cylinders being pressed therein to rigidly secure the parts of the carrier together, as set forth.

LORENZ A. DEUTHER.

Witnesses:

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