

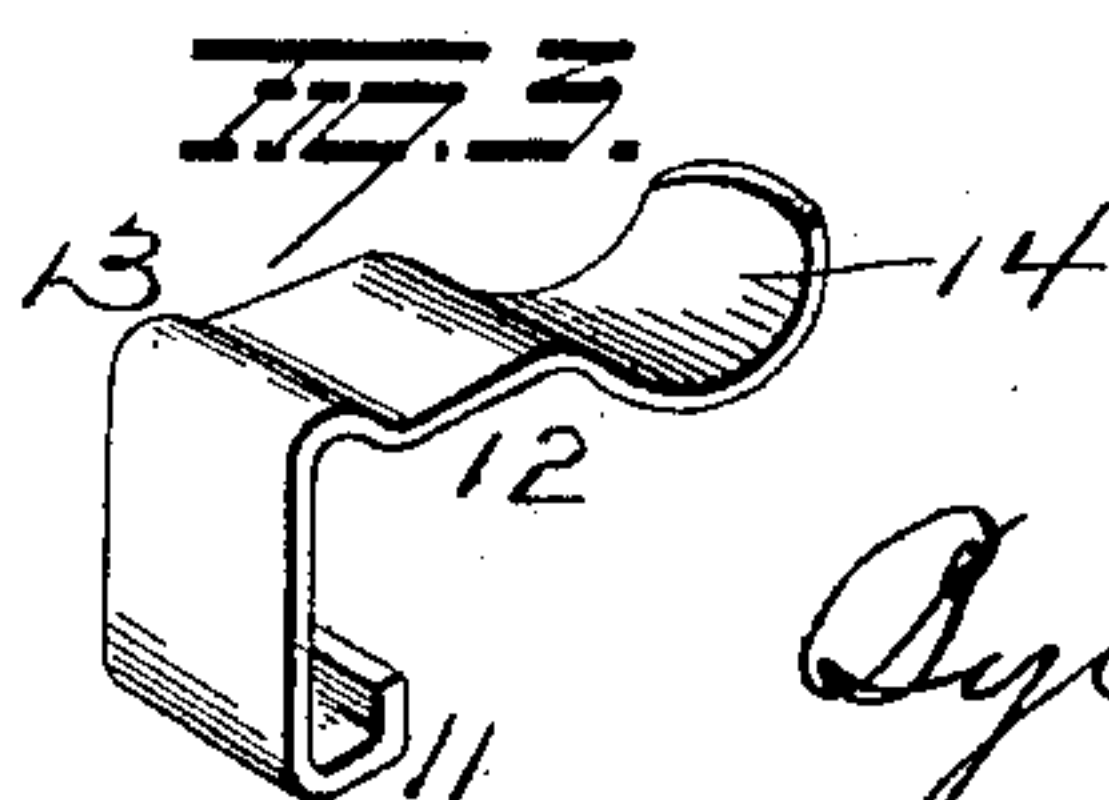
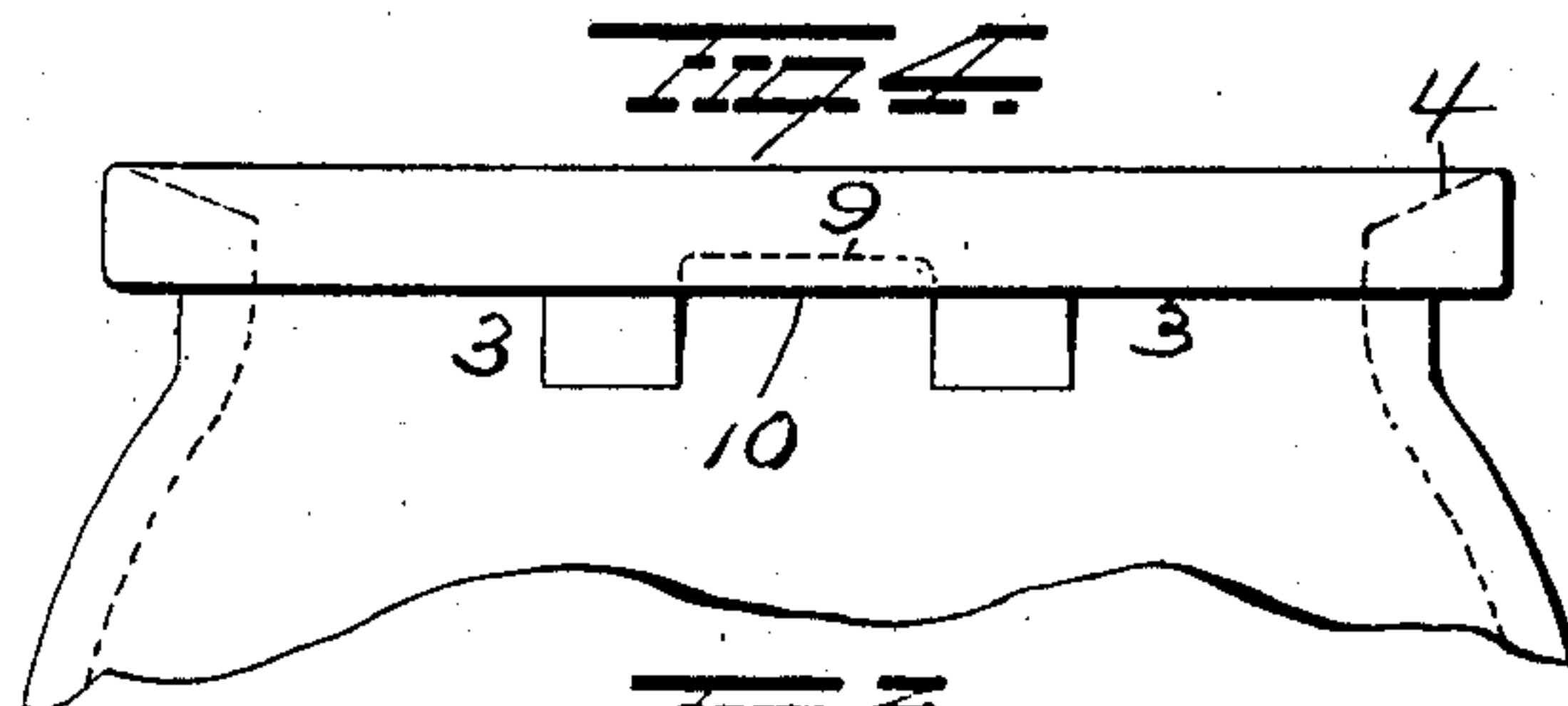
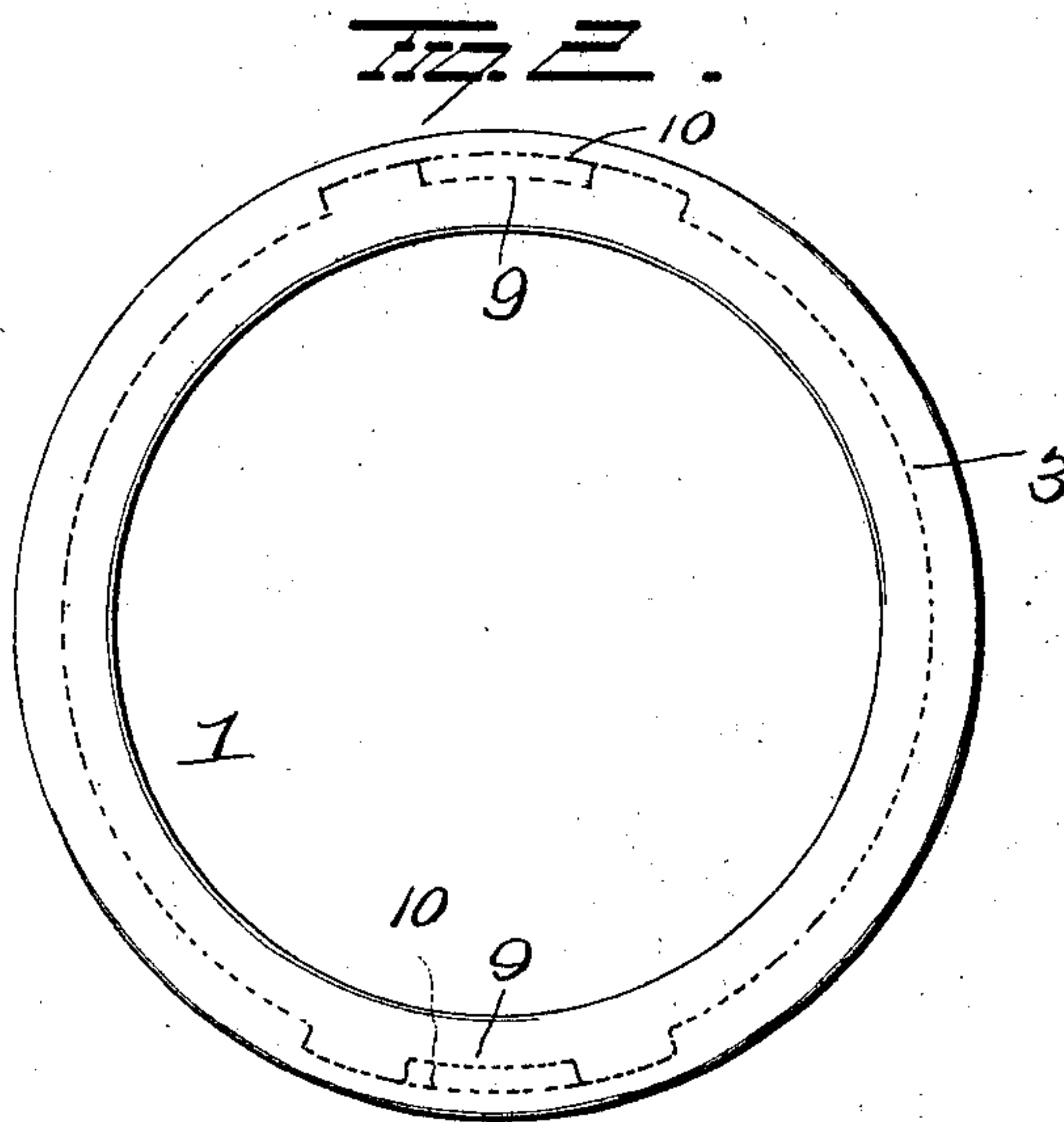
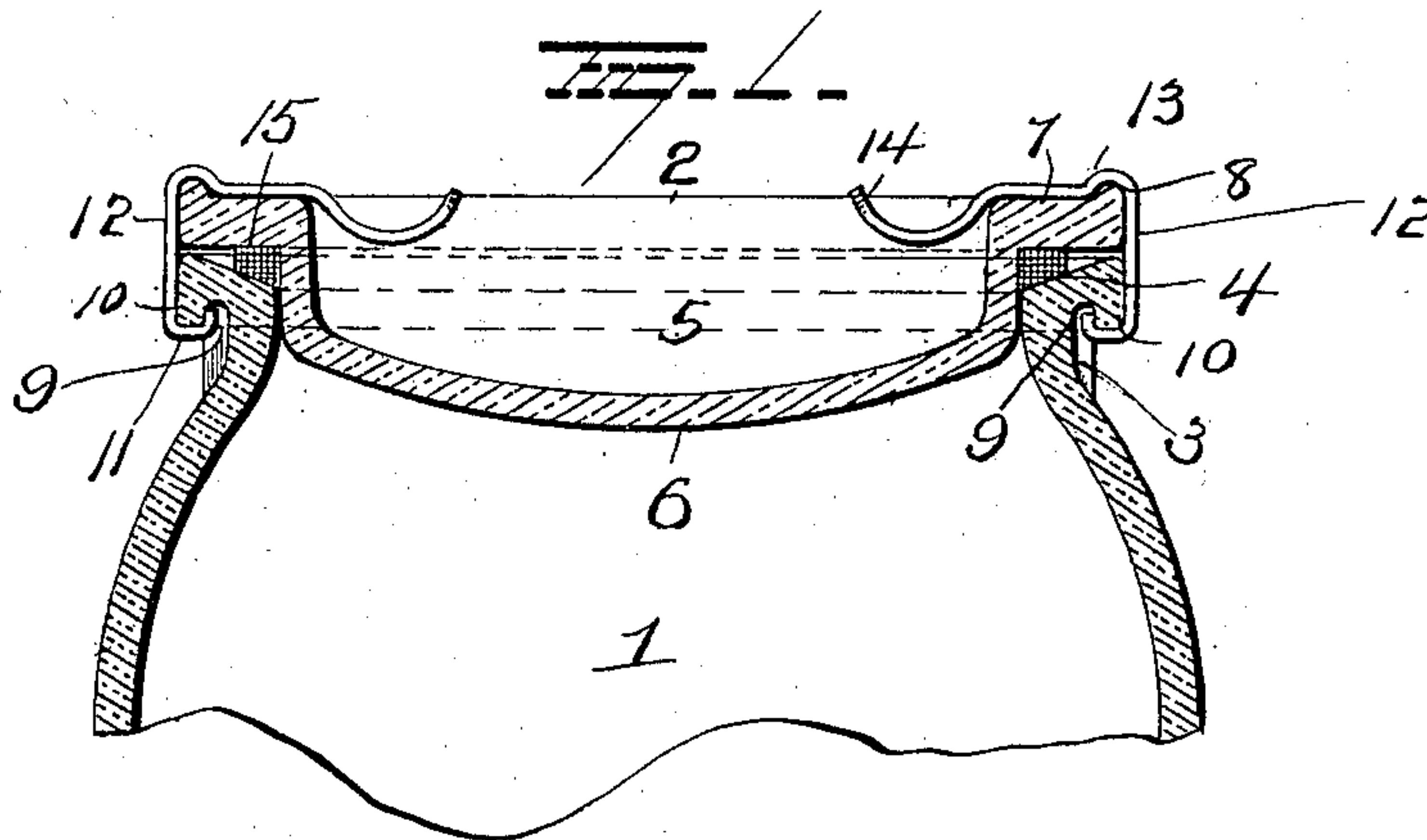
No. 754,060.

PATENTED MAR. 8, 1904.

F. H. GIBSON.
JAR AND CLOSURE THEREFOR.

APPLICATION FILED JUNE 11, 1903.

NO MODEL.



WITNESSES

E. Nottingham
G. F. Downing.

INVENTOR

F. K. Gibson
By H. A. Seymour
Attorney

UNITED STATES PATENT OFFICE.

FRANK H. GIBSON, OF BRIDGETON, NEW JERSEY, ASSIGNOR TO THE
GIBSON JAR COMPANY, OF BRIDGETON, NEW JERSEY.

JAR AND CLOSURE THEREFOR.

SPECIFICATION forming part of Letters Patent No. 754,060, dated March 8, 1904.

Application filed June 11, 1903. Serial No. 161,107. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. GIBSON, a resident of Bridgeton, in the county of Cumberland and State of New Jersey, have invented certain new and useful Improvements in Jars and Closures Therefor; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
 10 pertains to make and use the same.

My invention relates to an improvement in jars and closures therefor, the object of the invention being to provide improvements of this character which will be quick acting, easily operated, cheap and simple in construction, and form a perfectly tight or sealed jar when in operation; and with this object in view the invention consists in certain novel features of construction and combinations and
 20 arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in longitudinal section, illustrating my improvements. Fig. 2 is a top plan view, and Fig. 3 is a view of one of the clamps removed. Fig. 4 is a view in elevation.

1 represents the jar, and 2 the closure or cover therefor. The jar 1 is provided near its
 30 top with an annular groove 3, forming an annular shoulder 4, and the upper face of the jar, or rather the shoulder 4, inclines downward to its inner edge or, in other words, is beveled downward from its outer to its inner
 35 edge.

The cover 2 has a central circular depression 5, forming a circular stopper 6 to enter and fill the opening in the jar, and is made with a peripheral shoulder or flange 7 to overlap
 40 the upper edge of the jar, and said shoulder or flange 7 has a raised bead 8 around its upper outer edge for a purpose which will hereinafter appear.

The jar 1 at diametrically opposite points
 45 beneath shoulder 4 in groove 3 is made with recesses 9, forming depending tongues 10 to receive and hold the hook-shaped lower ends 11 of my improved clamps 12, and these recesses 9 are formed at the juncture of the

jar-mold sections; otherwise the mold could 50 not open to free the jar.

The clamps 12 are composed of spring sheet metal or wire and are bent at their lower ends, forming the hooks 11. They then extend up beside the shoulders 4 and 7 and are then bent, 55 forming catches 13 to lock over the bead 8 of cover 2, and the clamps then extend across the flat face of shoulder 7 and are bent down into the depression 5 of the cover and form finger-holds 14 to facilitate their operation. 60

The operation of my improvements is as follows: After the jar is filled the cover 2, with the rubber ring or gasket 15 thereon, which may be either flat or round, but in either event preferably narrow, is inserted 65 into the open top of the jar with the gasket resting upon the inclined or beveled upper edge of the jar-top, and an open space is provided around the gasket to permit its expansion when the cover is clamped down. The 70 clamps 12 are now inserted or placed in position by first inserting their hooked ends 11 into the recesses 9, compelling the hooks to engage behind the tongues 10. The other end of the clamps are forced over the shoulder 7 75 until the catches 13 lock over bead 8, and the free end of the hooks engage the flat upper face of shoulder 7 with their finger-holds 14, located in the depression 5 out of the way. The release of the cover is accomplished by 80 forcing upward and outward the finger-holds 14, as will be readily understood.

By constructing my improvements as above explained it will be seen that the clamps can be quickly placed in position and released and 85 that the pressure of the gasket against the inclined or beveled face of the jar insures a perfectly-sealed jar.

Slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I would have it understood that I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly 95 fall within the spirit and scope of my invention.

Having fully described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

1. The combination with a jar having an open top and recesses in opposite sides below
5 the top forming depending tongues, of a closure to cover the opening in the jar, and clamps having hooks at one end to enter the recesses in the jar and engage behind the
10 tongues, and the other ends of said clamps adapted to engage the upper face of the closure.

2. The combination with a jar having an open top and recesses in its opposite sides, of
15 a closure or cover having a depending central portion to fill the opening in the top of the

jar and an annular shoulder to fit over the upper edge of the jar, a bead around the outer upper edge of the shoulder, clamps having hooks at one end to enter the recesses in the jar and bent at their other ends forming
20 catches to lock over the bead, flat portions to engage the shoulder, and finger-holds to rest within the depressed portion of the closure.

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

FRANK H. GIBSON.

Witnesses:

EDWARD C. DIXON,
FRANK M. RAMSTER.