

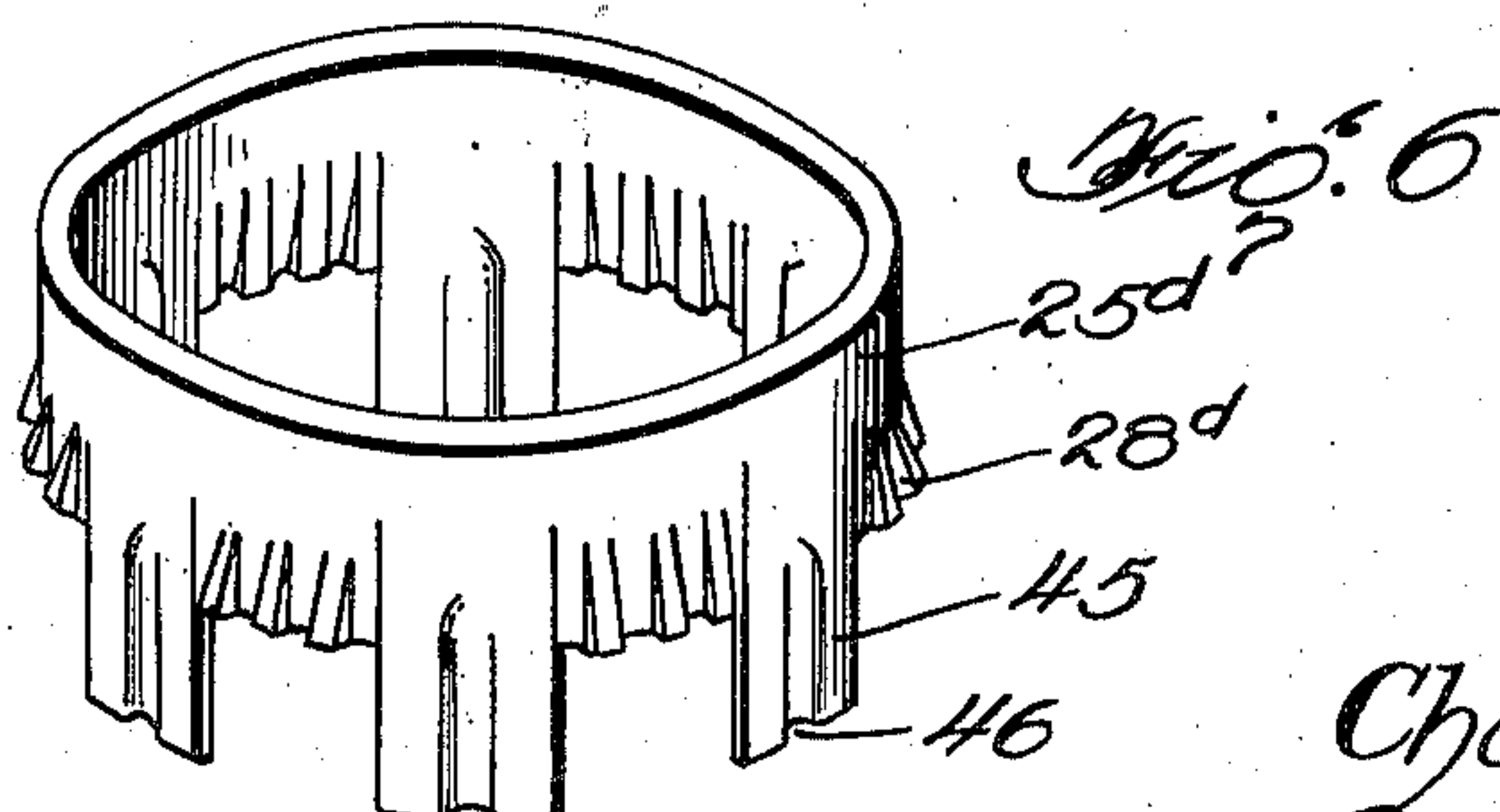
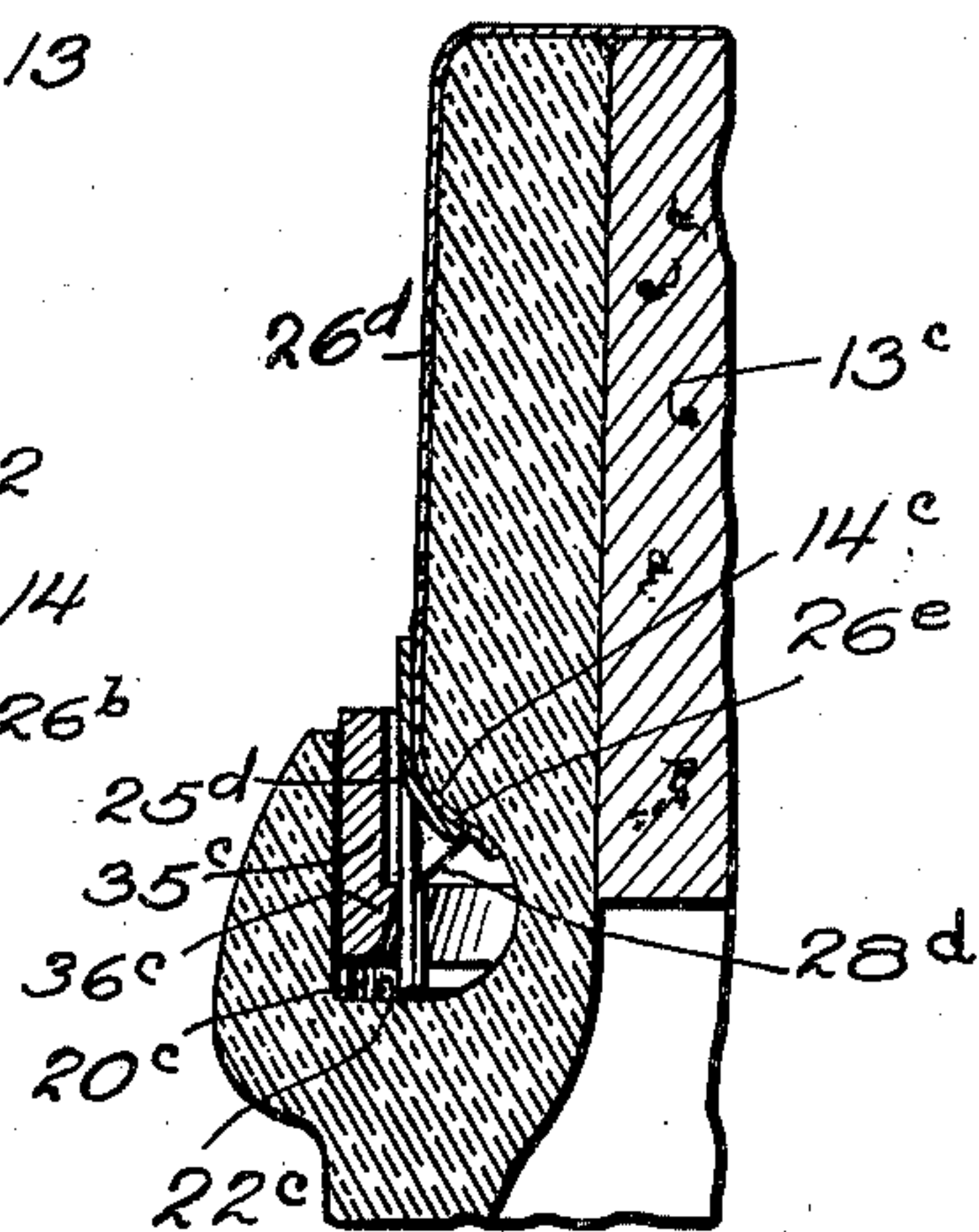
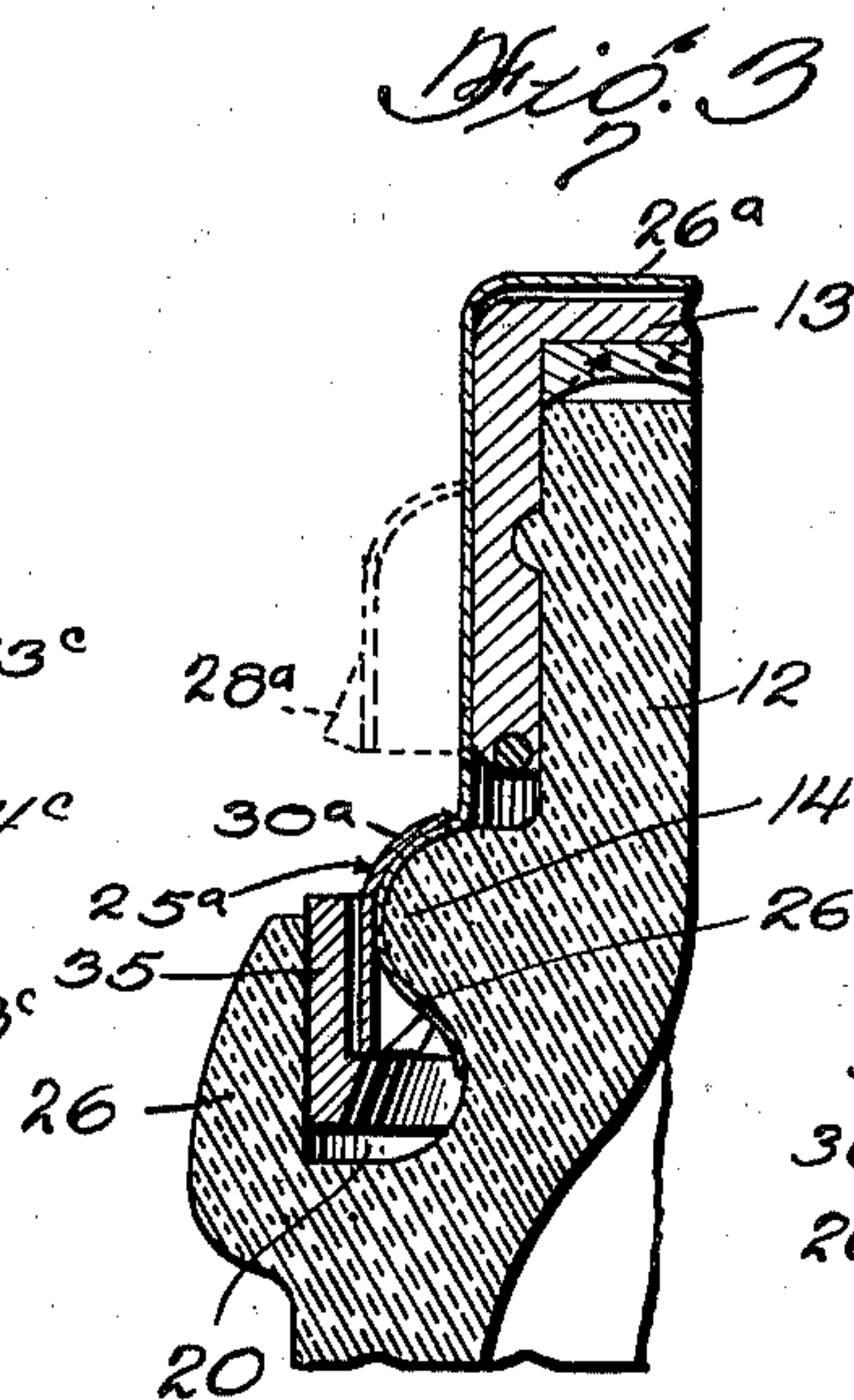
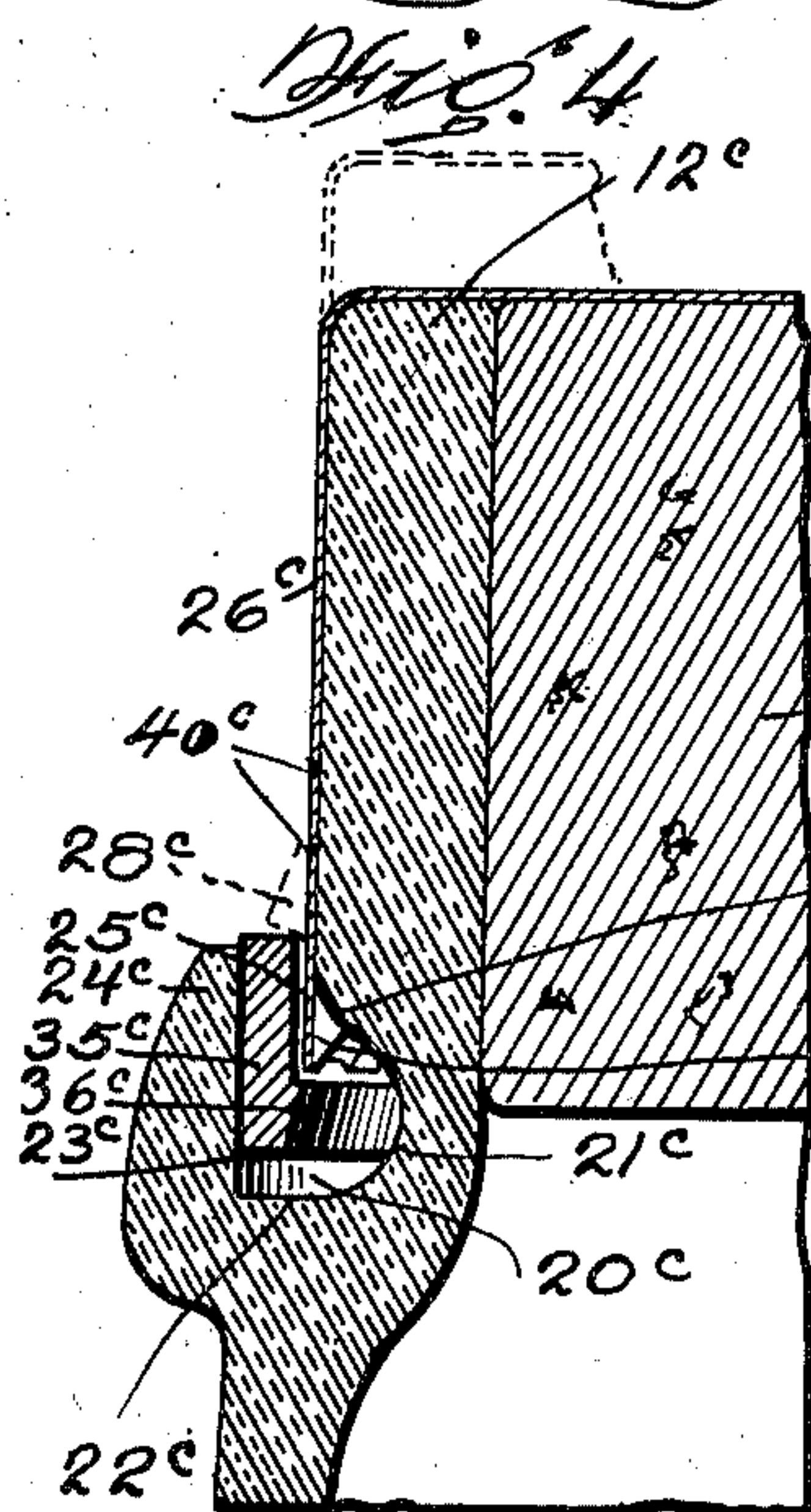
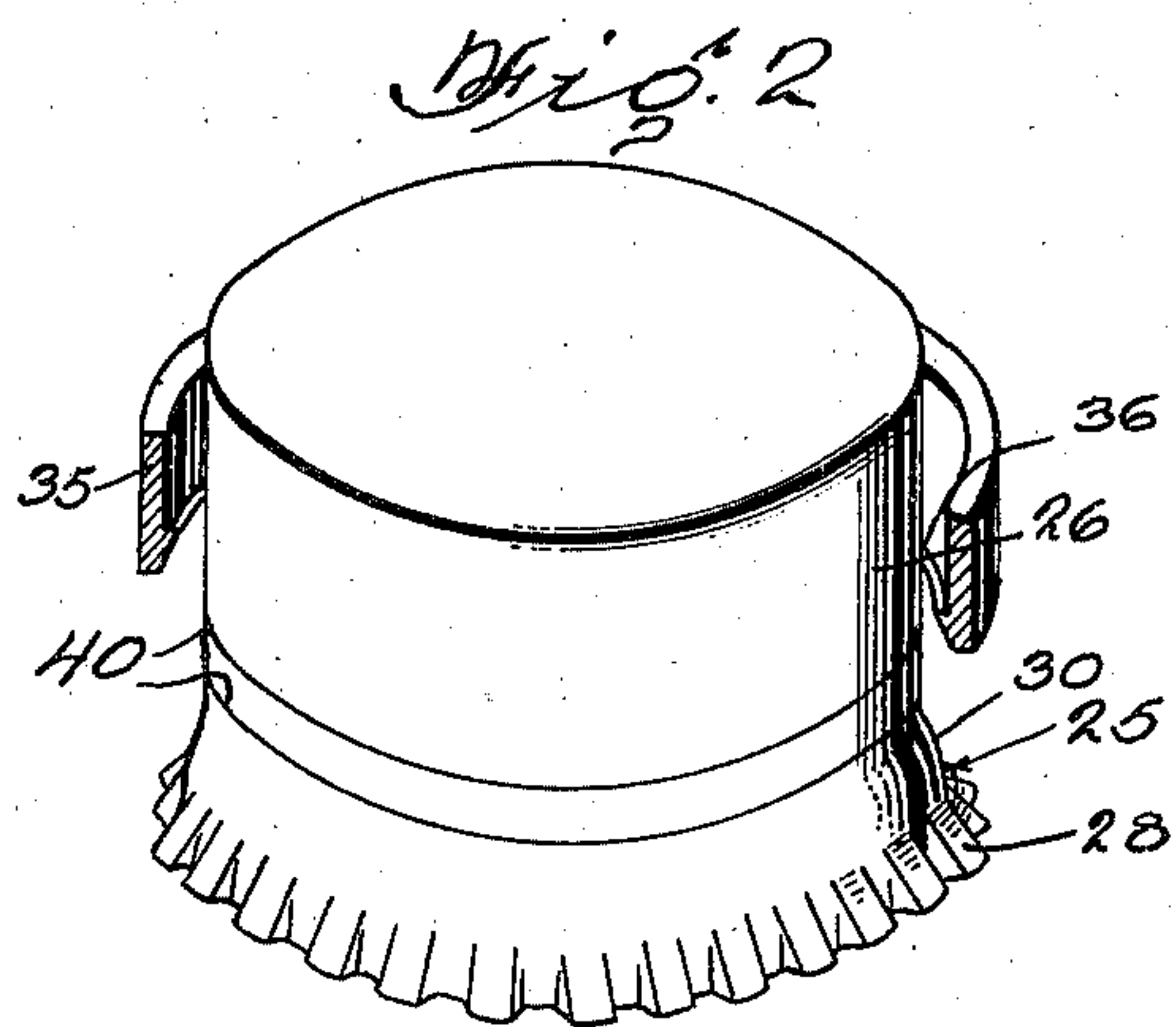
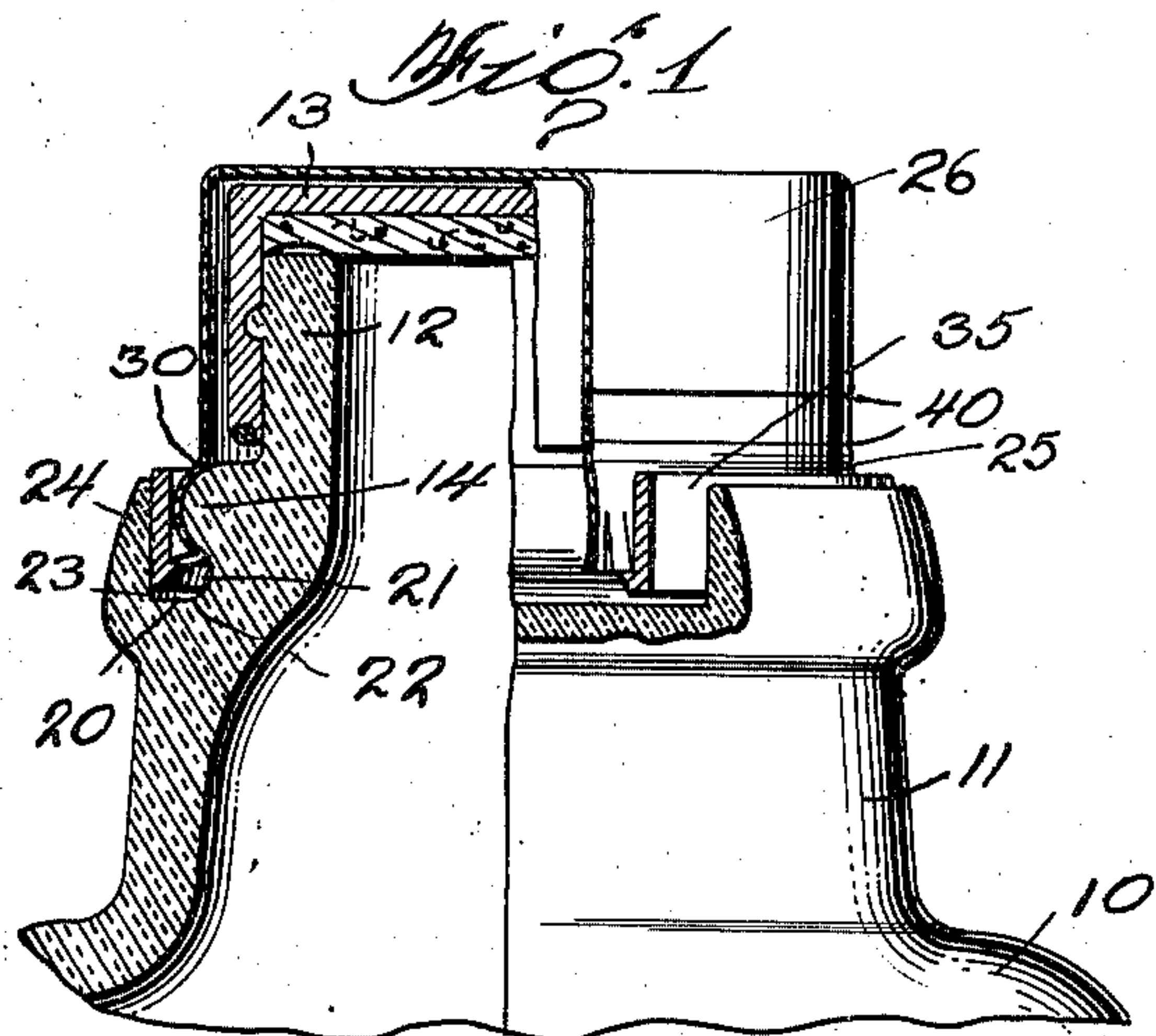
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C. W. JOHNSON

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CLOSURE FOR BOTTLES, JARS, AND LIKE CONTAINERS

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Inventor
Charles W. Johnson
By *Blair Hecoyne*
Attorneys

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CLOSURE FOR BOTTLES, JARS, AND LIKE
CONTAINERS

Charles W. Johnson, Washington, D. C.

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19 Claims. (Cl. 215—7)

This invention relates to improvements in closures for bottles, jars and like containers, and more particularly to closure seals which, when once broken or ruptured, can not be resealed or matched except in a readily obvious manner.

Among the objects of the invention may be noted the provision of a closure seal for bottles, jars and like containers characterized by features of improved construction and design; the provision of a closure seal of the above character which will assure the purchaser of the container that the original contents thereof have not been tampered with or removed; the provision of a closure seal for bottles and like containers which offers a high degree of protection to the purchaser thereof, in that the condition of the seal will be indicative of the originality of the contents of the container; the provision of a closure seal for bottles, jars and like containers which is simple and inexpensive in construction and design, yet effective and efficient in functioning; the provision of a closure seal for bottles, jars and like containers which may be applied to such containers without substantial modification thereof, and which thus permits the use of bottles and like containers of conventional shape and design; and the provision of a closure seal as above set forth which is well adapted to fulfill the ends for which it is intended.

Other objects will be in part obvious from the annexed drawing and in part indicated from the following analysis of the invention, in which reference is made to the accompanying drawing illustrative of one or more embodiments of my idea, in which—

Fig. 1 is an elevation, partly in section, of the closure seal in accordance with the present invention;

Fig. 2 is an exploded detail of the sealing cap and locking ring illustrated in assembled relation in Fig. 1;

Fig. 3 is a part section illustrative of a modified form of seal;

Fig. 4 is a part section of my improved closure seal as used on bottles having a stopper type of closure;

Fig. 5 is a part section of a modified form of seal as applied to a stopper type closure; and

Fig. 6 is a detail of the sealing band as illustrated in Fig. 5.

While the closure seal of the present invention is applicable to containers generally, the illustrated form thereof and the following description will indicate its application to bottles such as are used to merchandise spiritous liquors,

wines, medicines, and generally goods of the class where it is necessary or desirable that the purchaser receive the original contents intended to be purchased. It will be understood, however, that the seal is equally effective as applied to jar closures and to container closures generally whether the container be of glass, metal or composition material and the application of the seal to be described to such latter form of containers is intended to be included within the scope of the present invention.

Referring to the drawing and particularly to Fig. 1, reference character 10 indicates a bottle having a neck portion 11 and a mouth portion 12 adapted to be closed by a closure cap 13 of the screw type, such parts being conventional. Usually, such a bottle is formed with an exterior boss providing an arcuate shoulder 14 extending about its neck portion and spaced from the open mouth slightly in excess of the lower edge of the screw cap 13, whereby the cap may be screwed home and fully seated without abutting against said shoulder 14.

According to the present invention, I provide the bottle neck portion 11 with an annular sealing pocket 20, such pocket being located generally about the shoulder 14 and extending therebeneath. The said pocket is formed in the bottle neck by certain apparatus and practices that are not a part of the present invention and need not be here described. By reference to Fig. 1, it will be seen, however, that the pocket opens upwardly and that its inner wall is preferably formed by the outwardly convex surface of the shoulder 14 which overhangs the undercut outwardly concave continuation surface 21 thereof, although other arrangements of overhanging or shouldered surface might be utilized, as embodied in Figs. 4 and 5, for example.

The bottom wall 22 of the pocket 20 may extend relatively horizontally and terminates at the pocket outer wall 23 which extends vertically from the bottom wall to the open mouth of the pocket. The said vertical wall 23 is defined by the inner wall of a guard flange 24 formed integrally with the bottle neck 11 and extending upwardly to about the upper line of the neck boss or shoulder 14. The pocket so formed is thus provided with a relatively wide entrance mouth, an intermediate restricted portion, and a bottom portion of relatively greater width than said restricted portion, with the positioning of the shoulder 14 in relation to the vertical pocket wall 23 forming the restricted intermediate portion of the pocket.

The seal proper of the present invention includes a circular element 25 which may constitute the skirt portion of a sealing cap 26, as in the Fig. 1 construction, or may be in the nature of a band or sleeve, as will be described hereinafter. In the Fig. 1 construction under consideration, the skirt portion 25 is formed integral with the sealing cap 26 which is adapted to be placed over the screw closure cap 13, with the skirt portion 25 extending into the sealing pocket 20 and having formed along its lower edge a plurality of crimps 28. By reference to Figs. 1 and 2, it will be noted that the crimps 28 are directed outwardly of the body of the skirt portion 25 and thus do not modify the inner circular surface of the skirt portion or of the cap 26 proper. The sealing cap 26 and particularly its skirt portion 25 integral therewith is preferably fabricated of thin, resilient metal and may be spun or pressed into its cup shape formation. Preferably the skirt portion is formed with a curved shoulder 30 disposed above the crimps 28 and adapted to seat on the arcuate shoulder 14 of the bottle neck. The arrangement and disposition of the skirt shoulder 30 in relation to the circular top of the cap 26 and to the crimps 28 is such that as the skirt portion 25 of the sealing cap 26 is projected into the sealing pocket 20, the shoulder 30 of the cap seats against the upper surface of bottle neck boss or shoulder 14 prior to engagement between said circular top and the top surface of the closure cap 13, whereby tensioning of the cap 26 in the direction of its length is prevented, with the crimps 28 extending into the pocket 20 a depth sufficient to clear the restricted portion thereof as defined by the greatest diameter of the shoulder 14 of the bottle neck, and being disposed generally in the bottom portion of the pocket of greater width.

With the sealing cap 26 so arranged, a locking ring 35, of exterior diameter slightly less than the outer diameter of the pocket 20, as defined by the wall pocket 23, is thereupon pressed into the pocket 20. The inner diameter of the locking ring 35 is such that as the locking ring moves into the pocket, the inner wall of the locking ring engages the outwardly directed surfaces of the crimps 28 of the cap skirt 25 and bends or clinches portions thereof, such as the dwells or valleys, inwardly around the lower curved portion of the shoulder 14, the resiliency of the metal of the skirt portion 25 causing the crimps to exert a spring reaction against the inner wall surface of the locking ring 35. Along the lower inner edge of the locking ring 35, I provide a bead or abutment 36 which clears the boss 14 as the locking ring 35 is pushed into the pocket 20, but which of course engages the crimped edge portion of the skirt 25. As the bead 36 moves past the crimped edge of the skirt, the springy nature of the skirt 25 causes its edge to expand and the high points of the crimps to seat in the corner formed by the inner vertical surface of the ring 35 and the upper portion of the bead 36, thus to lock ring 35 within the pocket 20.

It will be apparent that the sealing cap 26, due to its shoulder 30 engaging on the upper surface of the neck boss 14 and with the crimps 28 or portions thereof clinched around the under surface of said boss, is thereupon positively secured to the bottle neck, with the skirt portion 25 of the cap also serving to lock permanently in the pocket the locking ring 35 in such manner that the ring prevents access to the lower edge portion of the skirt 25 such as would be necessary to re-

lease the crimps from their holding relation with respect to the neck boss or shoulder 14.

The thickness and dimensioning of the various parts making up the seal as well as the dimensioning of the pocket 20 are such that the cap skirt 25 has an interior diameter sufficient to clear the greatest exterior diameter of the neck boss 14, thereby the cap 26 may be readily applied in position to be sealed. The thickness of the metal of the cap is such that the cap is self-sustaining and capable of holding its crimped or bent formation. The thickness of the ring 35, which may be formed from steel stock, is such as to enable the ring to compress and forcibly bend inwardly portions of the crimped edge 28 as pressure is exerted on the top edge of the ring to force it into the pocket 20. The depth of the ring may vary, as in some instances it may be desirable to have the ring hidden from view within the pocket 20 by the guard flange 26. Again, it may be desirable to have the ring extend slightly above the top edge of said guard flange as indicated in the constructions illustrated. The width of the pocket at its relatively restricted portion is such that the skirt 25 may pass there-through with sufficient clearance and also such as to provide for the subsequent insertion of the locking ring 35, but not sufficient to permit, when the skirt 25 and locking ring are in locked relation, the insertion into the pocket of means designed to disturb such relation.

In order to provide a ready means of rupturing the seal, the material of the cap 26 may be scored as at 40 in the course of its manufacture, whereby the relatively upper portion of the cap 26 may be removed and access had to the screw closure cap 13. When the upper portion of the cap is removed, however, the lower skirt portion 25 thereof remains sealed within the pocket 20 by locking ring 35, and its relatively upper edge which may project above the upper edge of the locking ring 35 will thereafter be visible. Since it is impossible to remove either the skirt portion 25 and/or the locking ring 35 from the pocket 20, their presence in the pocket is visible and lasting evidence that the seal has been broken. Any subsequent attempt to reseal the bottle as may be the case where the bottle is refilled for the purpose of selling the substituted contents for the original will thus be readily discernible to the purchaser of the refilled bottle.

It will be evident that any attempt to remove or melt down the skirt portion 25 in its locked arrangement in the pocket 20 will result either in ready discernment or in breaking of the bottle. So also, any attempt to apply heat to the guard flange 24 for the purpose of spreading it outwardly, whereby to remove the locked skirt portion 25 and the locking ring 35, will result in breaking of the bottle neck. Accordingly, the above described arrangement is believed to offer simple and efficient means for preventing the re-use and/or resealing of bottles after the seal has been once broken.

Considering now the modified construction shown in Fig. 3, also adapted for sealing bottles utilizing screw cap closures, the arrangement of bottle, bottle neck boss 14, pocket 20, and guard flange 24 is the same as described in connection with the Fig. 1 construction as aforesaid. Instead of utilizing a sealing cap of stiff metal having an integral skirt portion provided with crimps, however, the modified construction makes use of a frangible or readily breakable covering disposed over the closure 13 and extending downwardly

about the bottle neck. Such covering may be fabricated from metal foil and may take the form of a cap 26a, the lower skirt portion 26b of which extends downwardly into the pocket 20, with its terminal edge extending below the shoulder 14 and into the enlarged bottom portion of the pocket. A circular sealing element such as a band 25a provided with an inwardly curved top shoulder 30a, and with outwardly directed crimps 28a along its bottom edge, is adapted to be placed over the foil cap 26a and moved downwardly until its shoulder 30a engages on the upper surface of the neck boss or shoulder 14, with the lower crimped edge of the band extending into the pocket 20 and below the greatest diameter of the neck boss shoulder 14. The curved shoulder 30a of the locking band 25a thus presses the skirt portion of the foil cap 26a against the shoulder or neck boss 14 of the bottle. A locking ring 35 having a lower and inner edge bead 36, as described hereinbefore, is thereupon slipped over the bottle mouth and forced downwardly into the pocket 20 and functions to force the crimps 28a or portions thereof inwardly to thus clinch the band 25a to the bottle neck boss. The locking ring 35 is locked within the pocket 20 by the coaction of the outer edges of the crimps 28a and the bead 36. It will therefore be seen that by the aforesaid arrangement band 25a is positively secured to the boss 14 and acts to lock the ring 35 within the pocket 20, while at the same time the skirt portion 26b of the foil cap is permanently secured against the neck boss 14. To open the bottle, the foil of the cap 26a may be cut or torn and the top portion thereof removed to give access to the screw cap 13. The skirt portion 26b of the sealing cap is, however, securely held to the boss 14, and cannot be removed for replacement purposes nor can a new foil cap be applied.

In Fig. 4 I have illustrated the same general form of sealing means for bottles provided with a stopper type of closure. The mouth portion 12c of the bottle is closed by a stopper such as a cork 13c which extends well down into the bottle mouth. Where such bottle necks are not provided with a shoulder such as the shoulder 14 described in connection with Fig. 1, I may provide a shoulder effect by undercutting or reducing the thickness of the neck along reverse curvatures such as 14c, 21c, such curved surfaces forming the inner wall of a sealing pocket 20c such as the pocket 20 of the Fig. 1 construction, said pocket being provided with a bottom wall 22c and a vertically extending outside wall 23c defined by a guard flange 24c as described. A sealing cap 26c of self-sustaining metal and of sufficient thickness as to hold crimps imparted to it, as will be understood from the Fig. 1 construction, is provided with a lower skirt portion 25c formed with outwardly directed crimps 28c, the cap being adapted to be placed over the bottle mouth, with its lower crimped edge extending into the pocket 20c, and the crimps 28c being disposed slightly below the shoulder 14c. The depth of the sealing cap in the embodiment under consideration is such that its circular top bears on the edge of the bottle mouth and generally on the cork top, with the crimped bottom edge of the cap extending into the pocket. This arrangement makes unnecessary the shoulder 30 as in the Fig. 1 construction. Upon the locking ring 35c being forced into the pocket, the said ring clinches the crimps 28c or portions thereof beneath the shoulder 14c to hold the cap to the bottle mouth. Due

to its resiliency, the metal skirt reacts on the ring 35c and with the bead or abutment 36c of the ring as aforesaid to lock the ring and to prevent its removal or that of the skirt portion 25c of the sealing cap.

The cap may be scored as at 40c whereby the upper portion thereof may be removed, with access then being had to the cork 13c. As in the previously described construction, the skirt portion of the sealing cap and the locking ring 35c are positively locked to each other within the pocket 20c and cannot be removed therefrom, except by breaking the bottle.

Considering now the embodiment illustrated in Figs. 5 and 6, such is illustrative of a seal to be applied to bottles utilizing the stopper type of closure as illustrated in Fig. 4, and including a sealing cap 26d of foil or equivalent material such as is utilized in the Fig. 3 construction. Such sealing cap has a skirt portion 26e which extends below the curved shoulder 14c. A sealing band 25d is thereupon slipped over the foil cap 26d and moved downwardly into the pocket 20c. In order to define the position of the sealing band 25d within the pocket, the band is provided with downwardly extending legs 45 which may be ribbed as at 46 to strengthen the same, and with the leg bottoms being adapted to rest on the bottom wall 22c of the pocket 20c. The length of the legs is such that when the legs rest on said bottom wall 22c the crimped portions 28d of the sealing band are disposed adjacent the undercut shoulder 14c.

A locking ring 35c similar to the locking ring of the Fig. 4 construction is thereupon forced into the pocket 20c and acts to bend the crimps 28d or portions thereof inwardly and to clinch them about the undercut shoulder 14c, with the locking ring being thereupon locked by the coaction of the edge of the crimps with the bead or abutment 36c.

As in the Fig. 3 construction the metal foil cap 26d may be ripped or torn away to permit access to the cork 13c, but it will be understood that the skirt portion 26e of the foil cap is held to the shoulder 14c within the pocket 20c, and that the sealing band 25d and the locking ring 35c are maintained positively in locked relation within the pocket 20c.

From the foregoing, it will be obvious that the present invention offers a simple and efficient means for sealing closures, such as used with bottles, jars, and like containers. While the seal may be readily broken, the closure cannot be again resealed in the original manner, due to the permanent locking of the locking ring in the sealing pocket, and thus the re-use and/or re-sealing of the bottle or container for the purpose of selling substituted contents for the original contents is rendered impossible or so difficult as to make the attempt at resealing highly improbable and impracticable.

Without further analysis the foregoing will so fully reveal the gist of this invention that others can by applying current knowledge readily adapt it for various applications without omitting certain features that, from the standpoint of the prior art, fairly constitute essential characteristics of the generic or specific aspects of this invention, and therefore such adaptations should and are intended to be comprehended within the meaning and range of equivalency of the following claims.

I claim:

1. In a seal for bottles, the combination with

a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, and sealing means for the bottle and closure including an element extending into said pocket and a locking ring insertable into said pocket and operative upon such insertion to secure portions of said element beneath said shoulder, said element cooperating with said ring to lock the latter permanently within the pocket.

2. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, and sealing means for the bottle and closure including an element extending into said pocket with its lower edge disposed adjacent said shoulder, and a locking ring insertable into said pocket and operative upon such insertion to secure said edge beneath said shoulder, said edge cooperating with said locking ring to lock the latter permanently within the pocket.

3. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, and sealing means for the bottle and closure including an element extending into said pocket and having a normally outwardly crimped edge disposed adjacent said shoulder, and a locking ring insertable into said pocket and operative upon such insertion to force said crimped edge inwardly and beneath said shoulder, said crimped edge cooperating with said locking ring to lock the latter permanently within said pocket.

4. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, and sealing means for the bottle and closure including an element extending into said pocket and having a normally outwardly crimped edge disposed adjacent said shoulder, and a locking ring insertable into said pocket and operative upon such insertion to force said crimped edge inwardly and beneath said shoulder, said locking ring having a bead with which said crimped edge cooperates to lock said ring permanently in said pocket.

5. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a sealing cap disposed over the bottle mouth and closure therefor, the cap having a skirt portion extending into said pocket, and a locking ring insertable into said pocket and operative upon such insertion to secure said skirt portion beneath said shoulder, said skirt portion cooperating with the locking ring to lock the latter permanently in the pocket.

6. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a sealing cap disposed over the bottle mouth and closure, the cap having a skirt portion extending into said pocket with its lower

edge disposed adjacent said shoulder, and a locking ring insertable into said pocket and operative upon such insertion to secure said lower edge beneath said shoulder, said edge portion of the sealing cap cooperating with the locking ring to lock permanently the latter within said pocket.

7. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a sealing cap disposed over the bottle mouth and closure therefor and extending into said pocket, the cap having a normally outwardly crimped edge disposed adjacent said shoulder, and a locking ring insertable into said pocket and operative upon such insertion to force said crimped edge inwardly beneath said shoulder, said crimped edge cooperating with the locking ring to lock the latter permanently within the pocket.

8. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a sealing cap disposed over the bottle mouth and closure and extending into said pocket, the cap having a normally outwardly crimped edge disposed adjacent said shoulder, and a locking ring insertable into said pocket and operative upon such insertion to force said crimped edge inwardly beneath said shoulder, the locking ring having a bead with which said crimped edge cooperates to lock the ring permanently in said pocket.

9. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a foil cap disposed over the bottle mouth and closure, a sealing ring operative to seal the edge of the cap to the bottle neck, said sealing ring extending into the pocket, and a locking ring insertable into said pocket and operative upon such insertion to secure the sealing ring beneath the undercut shoulder, said sealing ring cooperating with said locking ring to lock the latter permanently within the pocket.

10. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a foil cap disposed over the bottle mouth and closure, a sealing ring operative to seal the edge of the cap to the bottle neck, said sealing ring extending into the pocket with its lower edge disposed adjacent said shoulder, and a locking ring insertable into said pocket and operative upon such insertion to secure said edge of the sealing ring beneath the undercut shoulder, said edge cooperating with said locking ring to lock the latter permanently within the pocket.

11. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a foil cap disposed over the bottle mouth and closure, a sealing ring operative to seal the edge of the cap to the bottle neck, said sealing ring extending into said pocket and having a normally outwardly crimped lower edge dis-

posed adjacent said shoulder, and a locking ring insertable into said pocket and operative upon such insertion to force said crimped edge inwardly beneath said shoulder, said crimped edge cooperating with said locking ring to lock the latter permanently within the pocket.

12. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a foil cap disposed over the bottle mouth and closure, a sealing ring operative to seal the edge of the cap to the bottle neck, said sealing ring extending into the pocket and having along its lower edge a series of normally outwardly directed crimps disposed adjacent said shoulder, and a locking ring insertable into said pocket and operative upon such insertion to force said crimps inwardly beneath said shoulder, the locking ring having a bead with which said crimps cooperate to lock said ring permanently within said pocket.

13. A bottle having a neck and being provided with an integral, upwardly extending neck flange which terminates short of the mouth edge of the bottle, the flange forming with the exterior neck surface an annular sealing pocket which opens upwardly, the diameter of the bottle neck portion within the pocket being reduced in the direction of the bottom of the pocket to provide a surface against which a closure sealing instrumentality may be clinched, and the pocket being of sufficient width as to permit the insertion, with slight clearance, of means for clinching the instrumentality as aforesaid.

14. A bottle having a neck and being provided with an integral, upwardly extending neck flange which terminates short of the mouth edge of the bottle, the flange forming with the exterior neck surface an annular sealing pocket which opens upwardly, the neck portion within the pocket being formed with an overhang to provide a surface against which a closure sealing instrumentality may be clinched, and the pocket being of sufficient width as to permit the insertion, with slight clearance, of means for clinching the instrumentality as aforesaid.

15. A bottle having a neck and being provided with an integral, upwardly extending neck flange which terminates short of the mouth edge of the bottle, the flange forming with the exterior neck surface an annular sealing pocket which opens upwardly, the neck portion within the pocket being formed with an undercut shoulder to provide a surface beneath which a closure sealing instrumentality may be clinched, and the pocket being of sufficient width as to permit the insertion,

with slight clearance, of means for clinching the instrumentality as aforesaid.

16. A bottle including a neck and having an upwardly extending neck flange disposed about the neck and terminating short of the mouth edge of the bottle, the flange forming with the neck an annular sealing pocket which opens upwardly, the neck adjacent the bottom of the pocket having an undercut shoulder beneath which a closure sealing instrumentality may be clinched, and the pocket being of sufficient width as to permit the insertion, with slight clearance, of means for clinching the instrumentality as aforesaid.

17. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, and sealing means for the bottle and closure including a sleeve, the lower portion of said sleeve extending into said pocket and the lower edge thereof being clinched beneath said shoulder, and means insertable into said pocket for permanent location therein, said means being operative to maintain permanently the clinched relation of the sleeve edge beneath said shoulder.

18. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a sealing cap disposed over the bottle mouth and closure therefor, the cap having a skirt portion, a sleeve cooperating therewith, the lower portion of which extends into said pocket and the lower edge thereof being clinched beneath said shoulder, and means insertable into said pocket for permanent location therein, said means being operative to maintain permanently the clinched relation of the sleeve edge beneath said shoulder.

19. In a seal for bottles, the combination with a bottle having a neck flange forming with the exterior bottle neck surface an annular sealing pocket and the bottle neck having an undercut shoulder disposed within the pocket, a closure for the bottle, a foil cap disposed over the bottle mouth and closure, a sleeve, the upper portion of which is operative to seal the edge of the cap to the bottle neck and the lower portion extending into said pocket with its lower edge being clinched beneath said shoulder, and means insertable into said pocket for permanent location therein, said means being operative to maintain permanently the sleeve edge clinched beneath said shoulder.

CHARLES W. JOHNSON.