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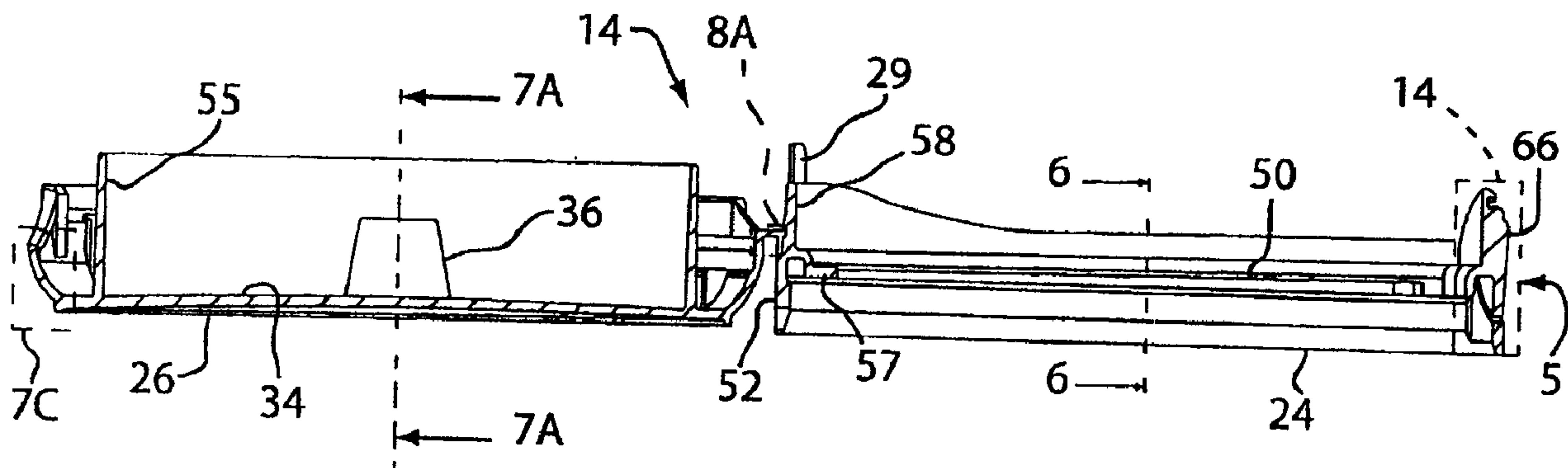
(71) Demandeur/Applicant:
KRAFT FOODS GLOBAL BRANDS LLC, US

(72) Inventeurs/Inventors:
BLENDELL, CAROL, GB;
SHABUDIN, ESAK, GB;
WALLWORK, MARTIN NOEL, GB;
PRESCHE, MARTIN, DE;
GOTTKE, SABINE, DE

(74) Agent: MCFADDEN, FINCHAM

(54) Titre : ABATTANT A BOUTON-POUSOIR AVEC SECOND CONTENANT SOLIDAIRE

(54) Title: PUSH BUTTON FLIP TOP WITH ATTACHED SECOND CONTAINER



(57) Abrégé/Abstract:

A container or container unit includes a main container having a rigid rim and a flip top for the main container. The flip top includes a base member attached to the rigid rim and a cover member hinged to the base member and which has a first catch member. The base member includes a resilient push button formed therewith. This push button includes a second catch member such that the second catch member interacts with the first catch member when the cover member is in a closed position relative to the base member to hold the cover member to the base member, and such that the first and second catch member are separable from one another when the push button is pushed. The container unit includes a dry beverage mix in the first container and a dry additive for the dry beverage mix in a secondary container attached to an inside surface of the cover member.

ABSTRACT OF THE DISCLOSURE

A container or container unit includes a main container having a rigid rim and a flip top for the main container. The flip top includes a base member attached to the rigid rim and a cover member hingedly connected to the base member and which has a first catch member. The base member includes a resilient push button formed therewith. This push button includes a second catch member such that the second catch member interacts with the first catch member when the cover member is in a closed position relative to the base member to hold the cover member to the base member, and such that the first and second catch member are separable from one another when the push button is pushed. The container unit includes a dry beverage mix in the first container and a dry additive for the dry beverage mix in a secondary container attached to an inside surface of the cover member.

WE CLAIM:**1. A container comprising:**

a main container body having a rigid rim; and

a flip top for said main body, said flip top including

- a base member which is attached to said rigid rim of said main body,
- a cover member which is hingedly connected to said base member and having a first catch member and skirt portion with a cutout adjacent to said first catch member, and
- a push button which is upstanding from and resiliently mounted to a remainder of said base member, said push button including a second catch member wherein said second catch member interacts with said first catch member when said cover member is in a closed position relative to said base member with said push button extending into said cutout to hold said cover member to said base member and wherein said first and second catch members are separable from one another when the push button is pushed.

2. A container as claimed in claim 1:

wherein said push button includes oppositely directed lateral wings extending therefrom, each said wing including a respective first catch member thereon; and

wherein said cover member includes respective said second catch members at either lateral side of said cutout.

3. A container as claimed in claim 2:

wherein a lower edge of each said wing is located adjacent an upper edge of said base member; and

further including a resilient link interconnecting said base member and said push button in order to mount said push button upstanding from and resiliently to said base member, said resilient link being located such that the resilient movement of said push button as said push button is pushed causes at least one of the lower edges of

said wings to contact and move past said upper edge of said base member to produce a perceivable sensation indicative of the separation of said first and second catch members.

4. A container as claimed in claim 3:

wherein said upper edge of said base member is extended inwardly adjacent said lower edges of said wings to help assure contact of at least one of the lower edges of said wings therewith and hence production of the sensation.

5. A container as claimed in claim 1, wherein said flip top is an integral injection molded plastic.

6. A container as claimed in claim 5:

wherein said base member includes an upstanding leg; and
wherein said skirt portion covers said base member and extends about said upstanding leg when said cover member is in the closed position.

7. A container as claimed in claim 5:

wherein said main body includes a non-metal surrounding wall; and
wherein said rigid rim is a composite formed of a metal rolled with a top portion of said non-metal surrounding wall.

8. A container as claimed in claim 7:

wherein said surrounding wall is made of a foil paperboard;
wherein said surrounding wall is generally circular in cross section; and
wherein said cover member is dome shaped.

9. A container as claimed in claim 1:

wherein said rigid rim includes a flange extending inwardly; and
wherein said cover member includes an inner sealing member which engages said flange when said cover member is in the closed position.

10. A container as claimed in claim 1, wherein said base member includes a leg which extends below an outside portion of said rim, and said leg includes a shoulder which is trapped below said outside portion of said rim to securely attached said base member to said rim.

11. A container as claimed in claim 1:

wherein said main container body houses a powdered beverage mix; and

wherein said cover member includes

- a secondary container in which a secondary powdered additive used in conjunction with the beverage mix is contained, and
- a mounting means for removably mounting said secondary container to an inside surface of said cover member.

12. A container as claimed in claim 11, wherein said rim includes an internal flange and a removable membrane attached to said flange below said secondary container.

13. A container as claimed in claim 1, further including a spring member which biases said cover member away from the closed position.

14. A flip top which is attached atop a container of a product comprising:

a base member which is securely attached to the container;

a cover member which covers said base member, said cover member including

- an inside surface located above said base member, and
- a skirt portion which covers an outer portion of said base member,

a hinge provided between said base member and said cover member which allows said cover member to pivot relative to said base member between a closed position where said cover member covers a majority of said base member and an opened position where said cover member does not cover a majority of said base member; and

a holding means for holding said cover member in the closed position, said holding means including

- a cutout in said skirt portion of said cover member and a first catch member located adjacent to said cutout, and
- a push button extending upwards from said base member and including a second catch member, said push button being resiliently movable (a) from a hold position where said first and second catch members are engaged and hold said cover member in the closed position with said push button extending into said cutout and (b) to a release position where said first and second catch members are released and said cover member is movable to the opened position.

15. A container as claimed in claim 14:

wherein said push button includes oppositely directed wings extending therefrom and located behind said skirt portion when said cover member is in the closed position, each said wing including a respective first catch member thereon; and wherein said skirt member includes respective said second catch members at either lateral side of said cutout.

16. A container as claimed in claim 15:

wherein a lower edge of each said wing is located immediately adjacent an upper edge of said base member; and further including a resilient link interconnecting said base member and said push button in order to mount said push button upstanding from and resiliently to said base member, said resilient link being located such that the resilient movement of said push button as said push button is pushed causes at least one of the lower edges of said wings to slide off of said upper edge of said base member to produce a perceivable sensation indicative of the separation of said first and second catch members.

17. A container as claimed in claim 16:

wherein said upper edge of said base member is extended inwardly adjacent said lower edges of said wings to help assure sliding of at least one of the lower edges of said wings therewith and hence production of the sensation.

18. A flip top as claimed in claim 14, wherein said base member and cover member are formed of an integral injection molded plastic.

19. A flip top as claimed in claim 14, wherein said base member includes a leg which extends below an outside portion of a rim of the container, and wherein said leg includes a shoulder which is trapped below said outside portion of said rim to securely attach said base member to said rim.

20. A flip top as claimed in claim 14;
wherein said rim includes a peripheral flange extending inwardly therefrom; and
wherein said cover member includes an inner sealing ring which engages said peripheral flange when said cover member is in the closed position.

21. A flip top as claimed in claim 20:
wherein said base member includes an upstanding leg; and
wherein said skirt portion of said cover member extends about said upstanding leg when said cover member is in the closed position.

22. A flip top as claimed in claim 14;
wherein said base member and said cover member are generally cylindrical; and
wherein said hinge is provided at opposed portions of peripheral edges of said base member and cover member.

23. A flip top as claimed in claim 22:
wherein said push button is generally oval and said cutout is generally configured to receive a portion of said push button therein; and

wherein said first catch member and said second catch members are mating convexo-concavo elements.

24. A flip top as claimed in claim 14, wherein said hinge biases said cover member away from the closed position.

25. A flip top as claimed in claim 14, wherein said cover member includes an inner seal ring which engages the first container.

26. A flip top as claimed in claim 14:

further including a second container for a complementary product to the first-mentioned product of the first-mentioned container;

wherein said cover member includes a height which is sufficient to space said inside surface from the first-mentioned container such that said second container is receivable between the first-mentioned container and said inside surface; and

further including a mounting means for removably mounting said second container to said inside surface of said cover member;

such that when said cover member is in the opened position, said second container is accessible to be removed from said mounting means.

27. A flip top as claimed in claim 26, wherein said mounting means includes opposed resilient arms extending from said inside surface between which said second container is trapped and held in place.

28. A container unit comprising:

a main container in which a dry beverage mix is contained;

a secondary container containing a dry additive for a beverage made with said dry beverage mix; and

a top which closes said main container and which is openable relative to said main container, said top removably mounting said secondary container to an inside surface thereof.

29. A container unit as claimed in claim 28, wherein said top includes opposed resilient arms extending from the inside surface thereof between which said secondary container is trapped and held in place.

30. A container unit as claimed in claim 28,
wherein the dry beverage mix is a coffee mix; and
wherein the dry additive is a product complementary to and designed to be added to a beverage made with the coffee mix.

31. A container unit as claimed in claim 28, wherein said top includes:
a base member which is attached to a rigid rim of said main container, and
a cover member which is hingedly connected to said base member.

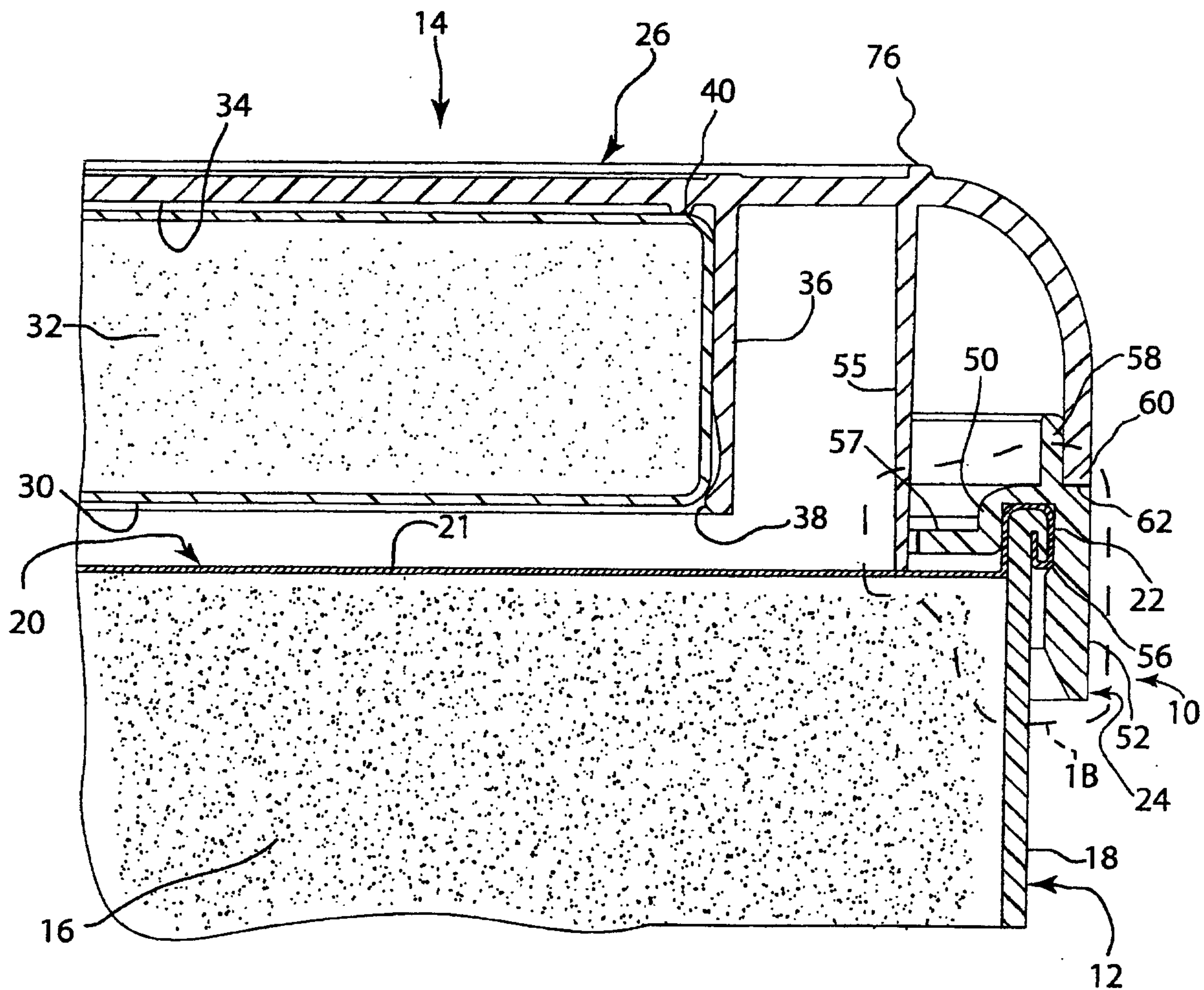


Fig. 1A

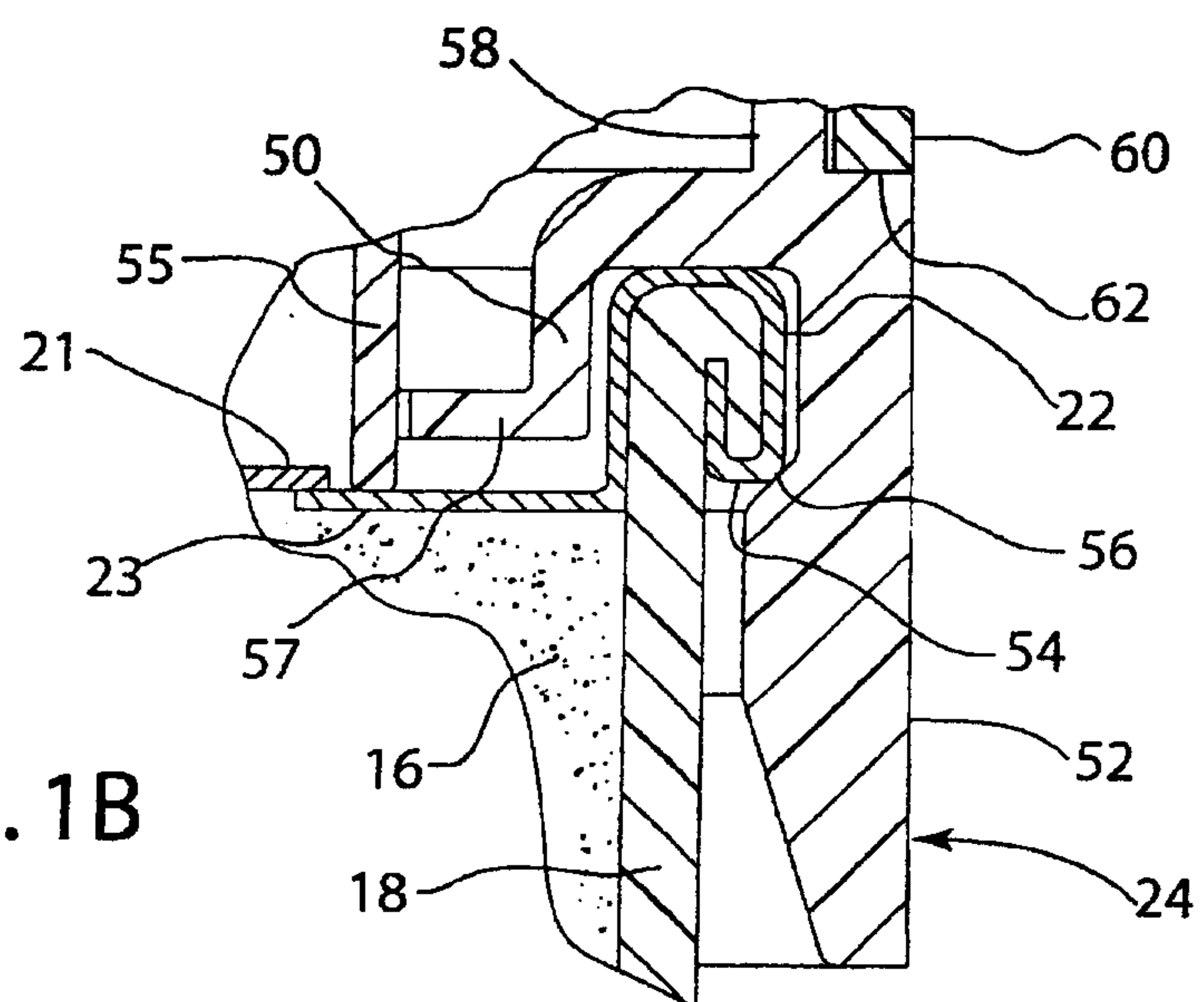


Fig. 1B

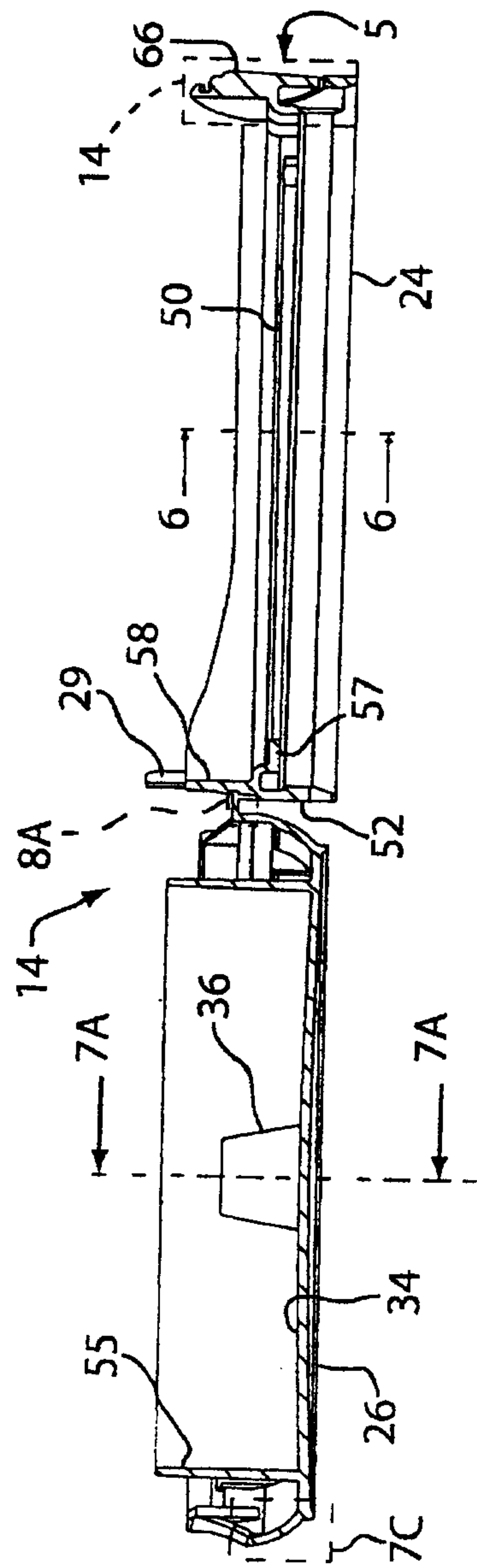


Fig. 2

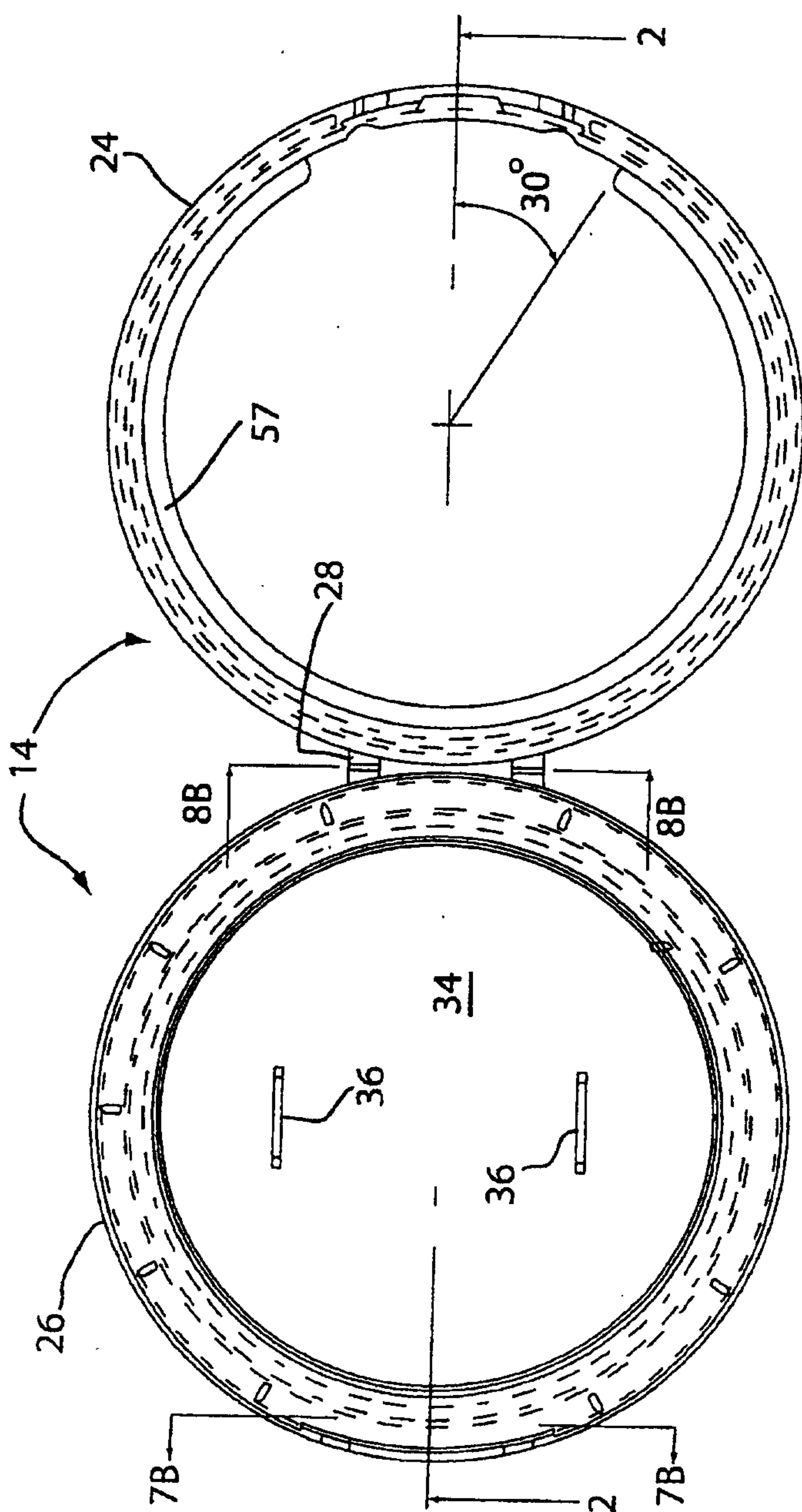


Fig. 3

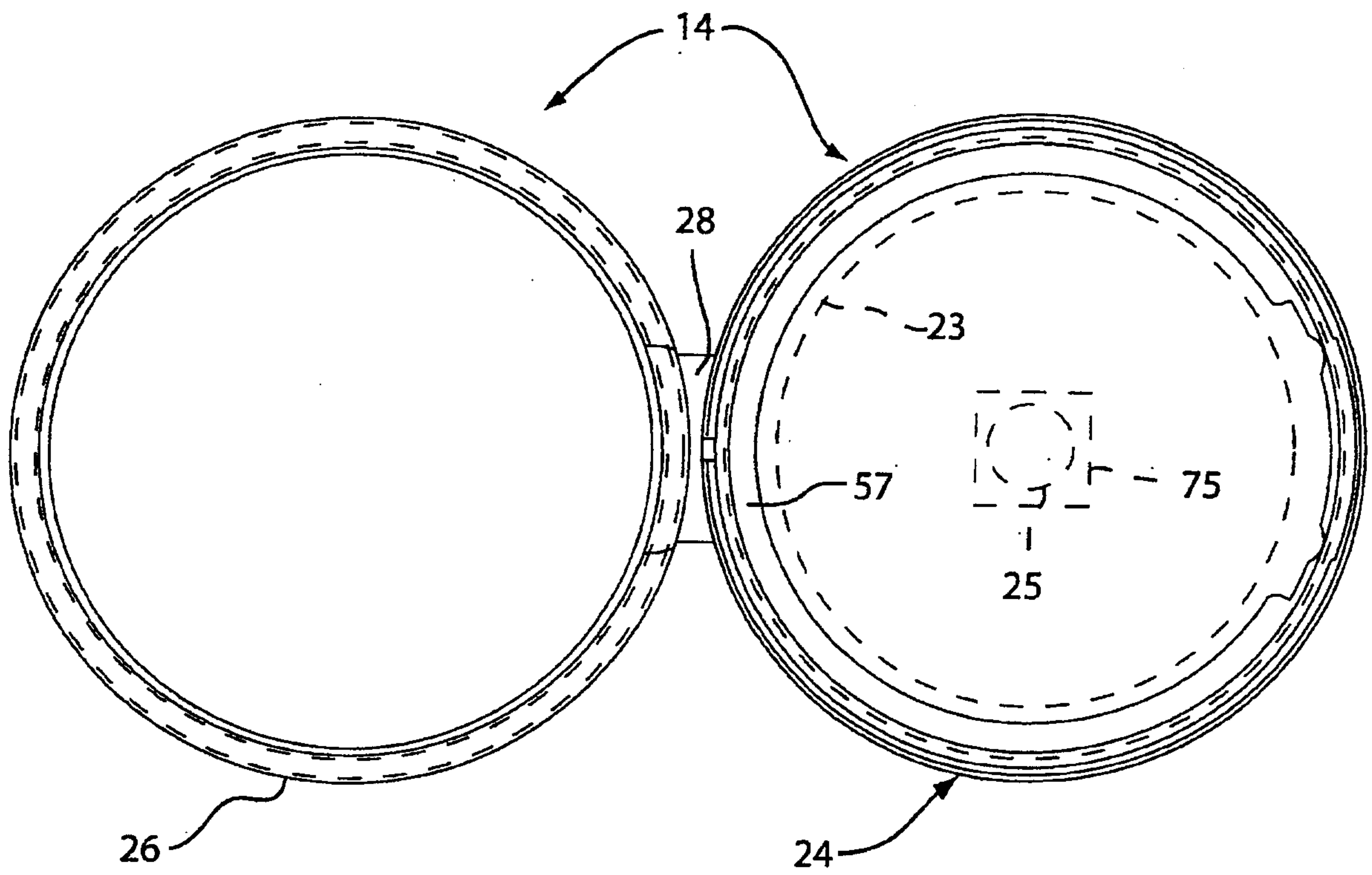


Fig. 4

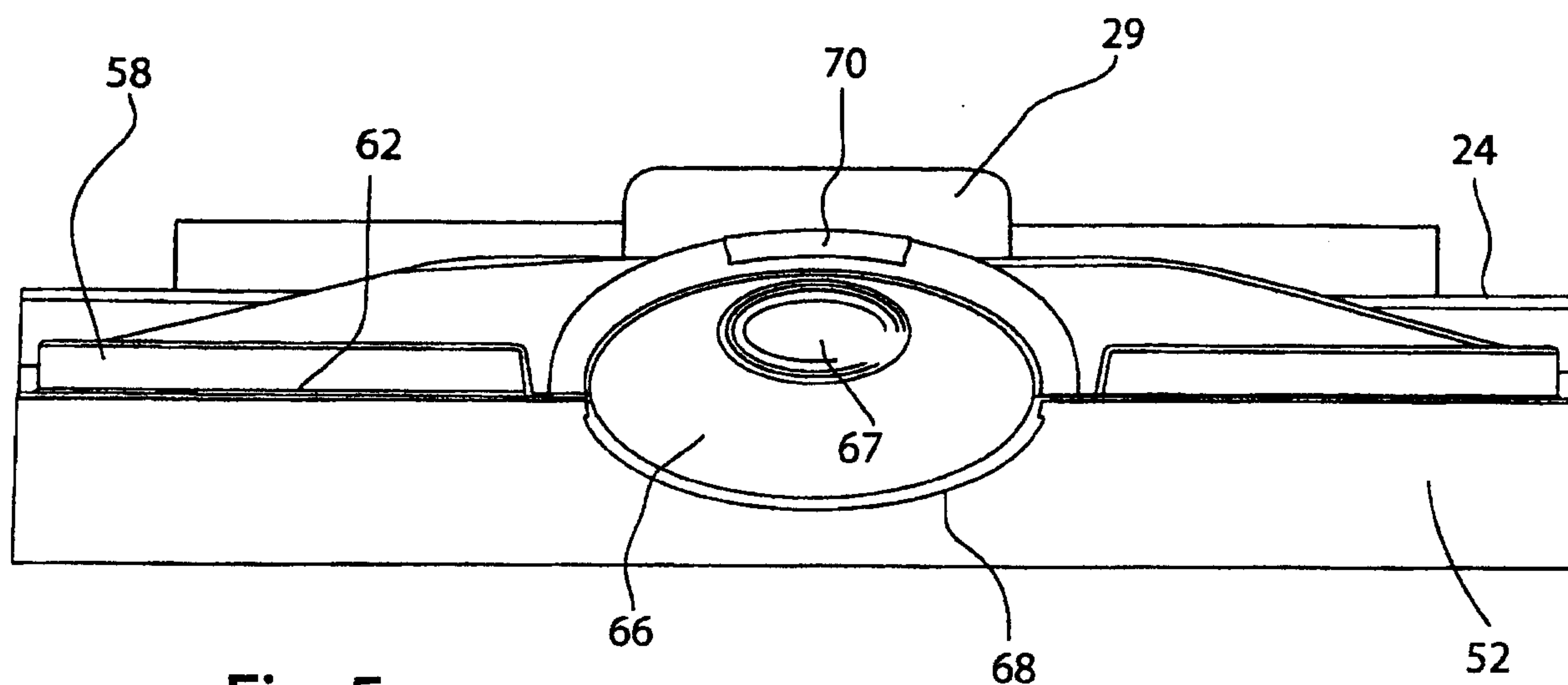


Fig. 5

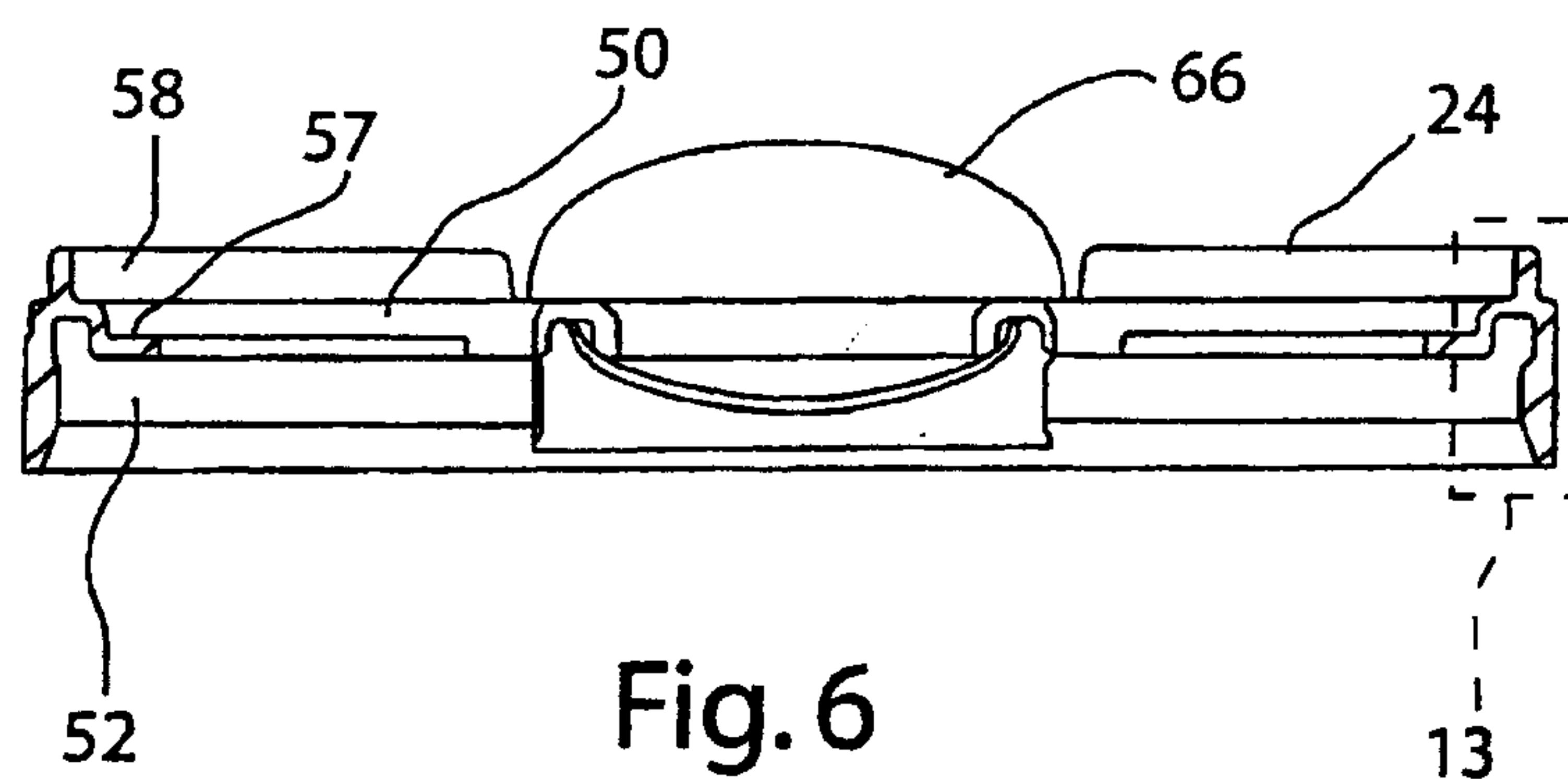


Fig. 6

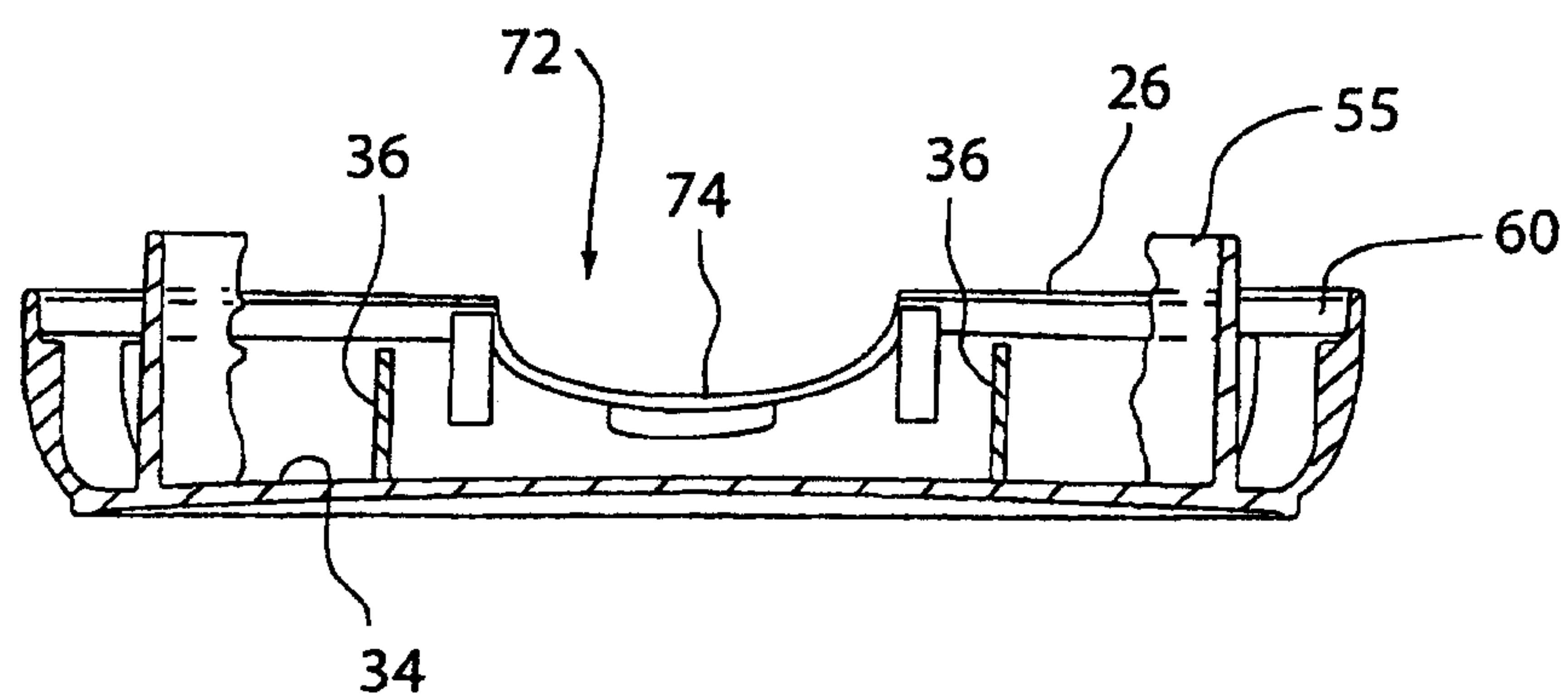


Fig. 7A

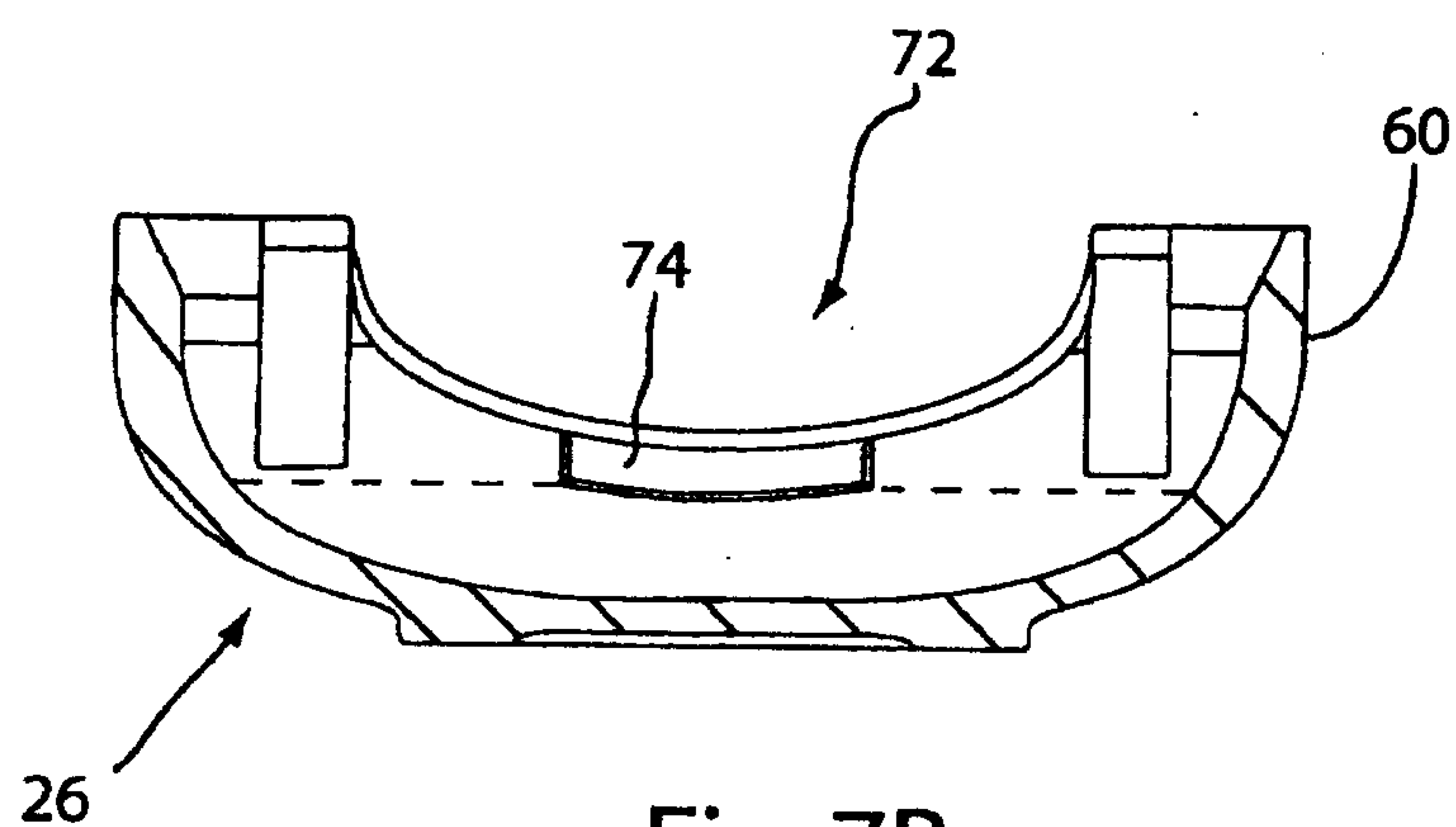


Fig. 7B

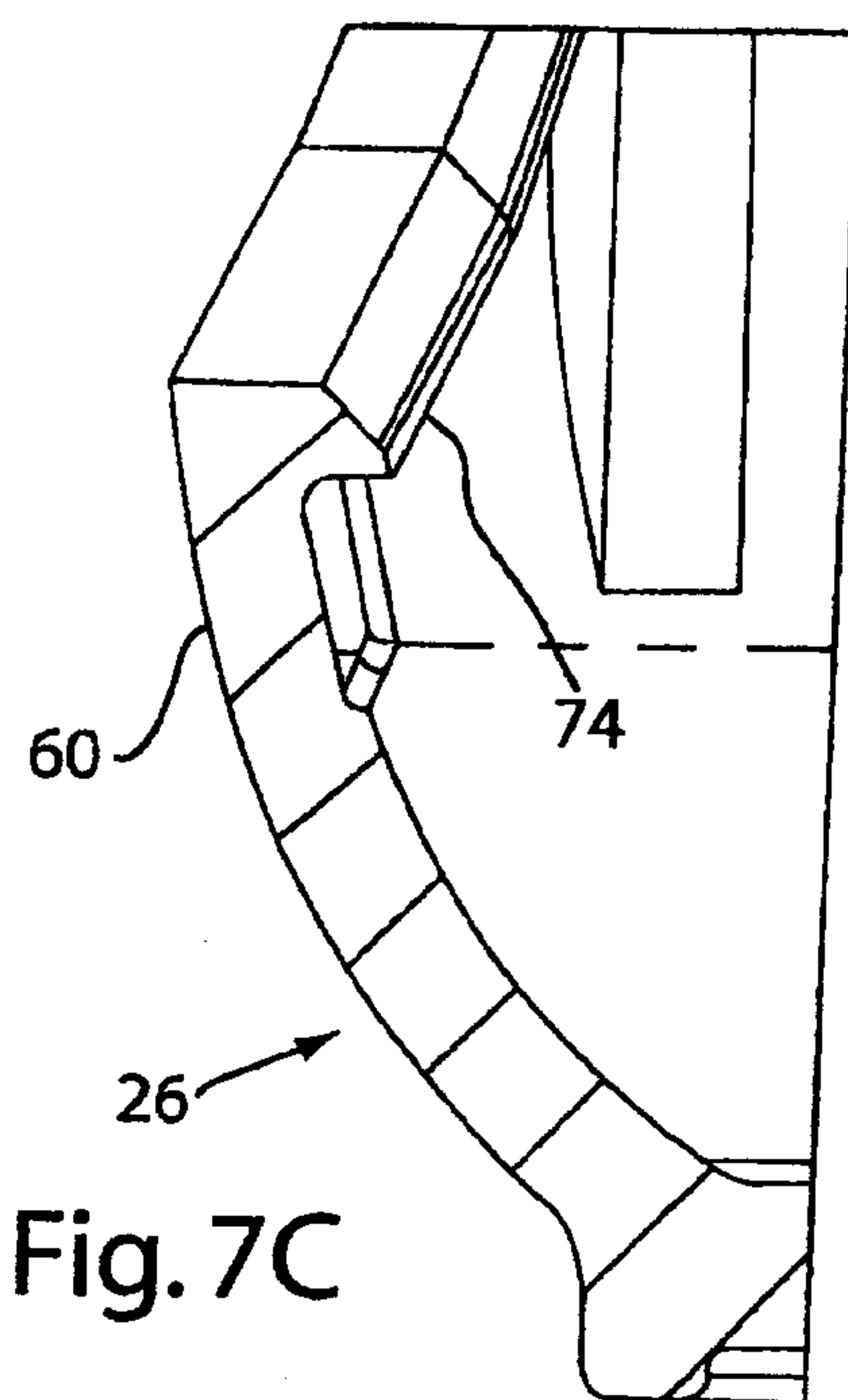


Fig. 7C

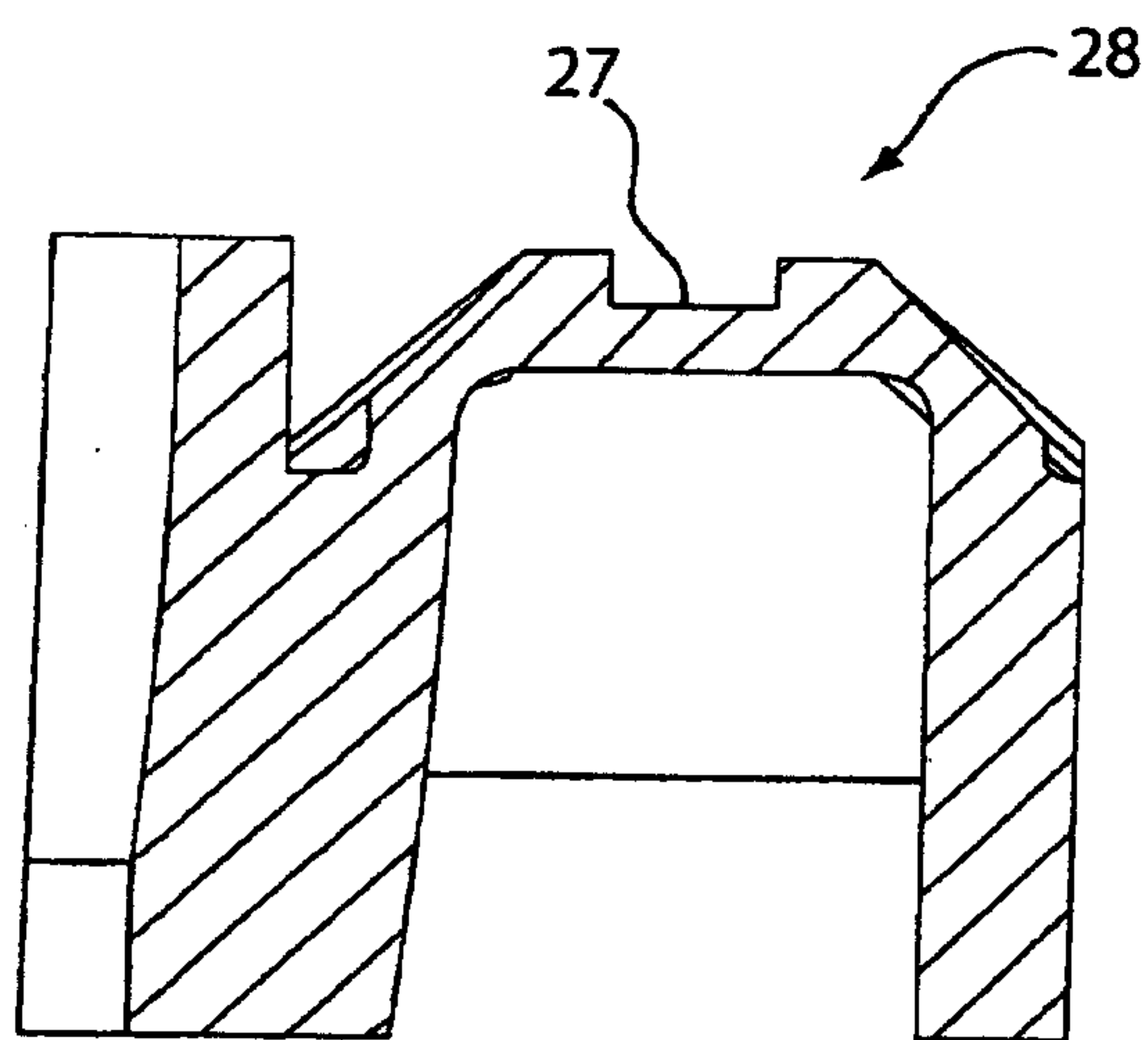


Fig. 8A

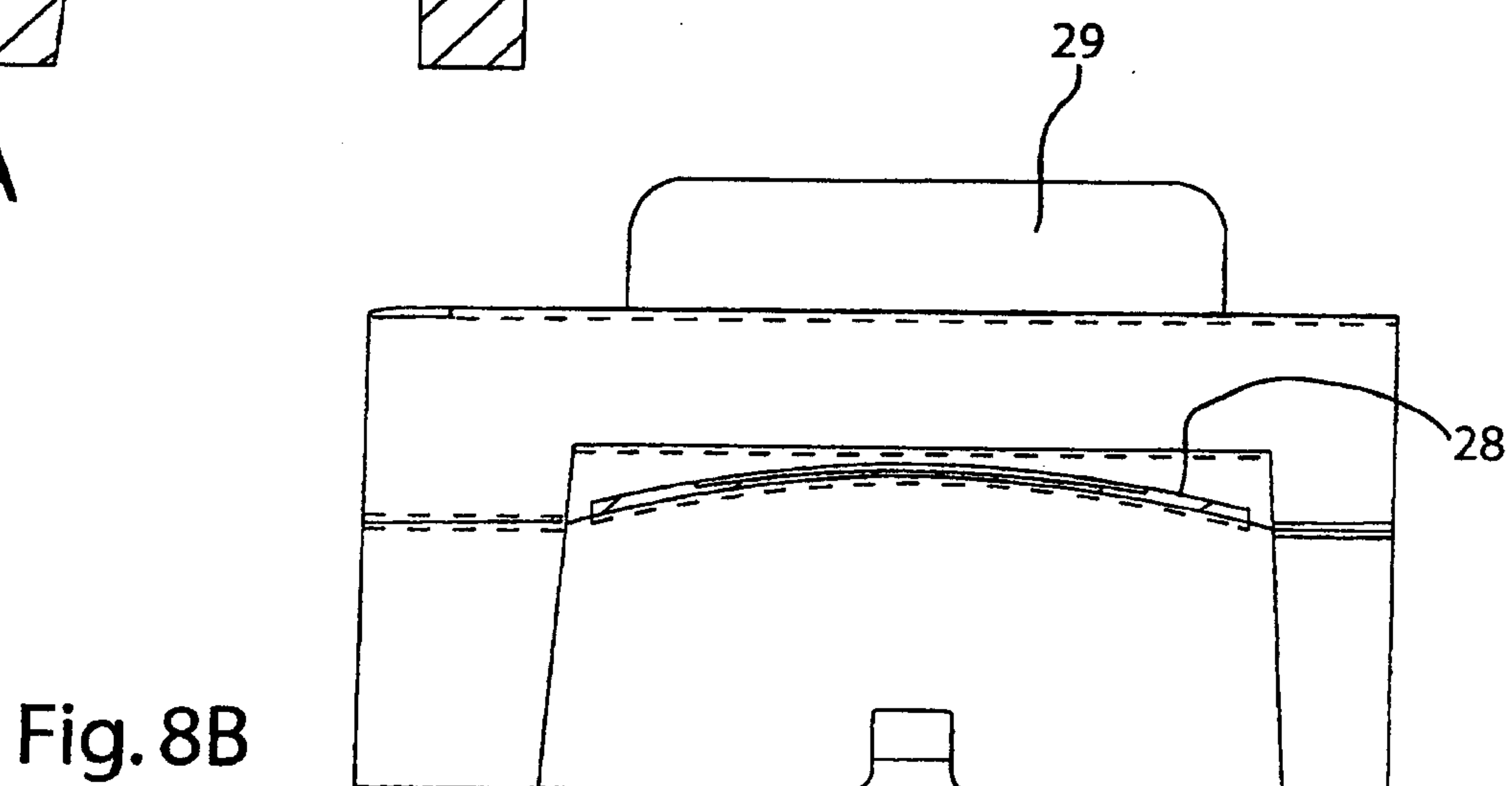


Fig. 8B

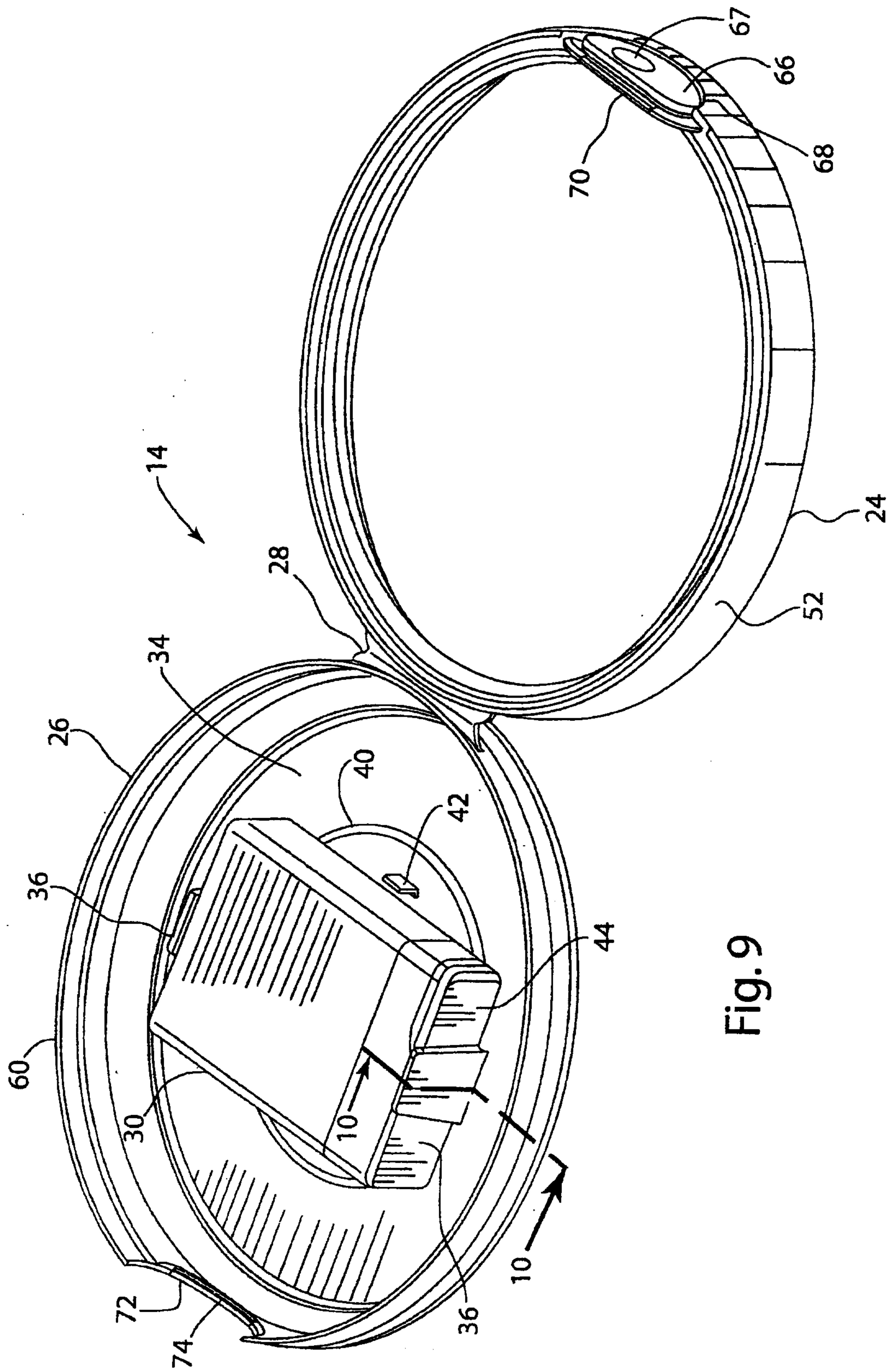


Fig. 9

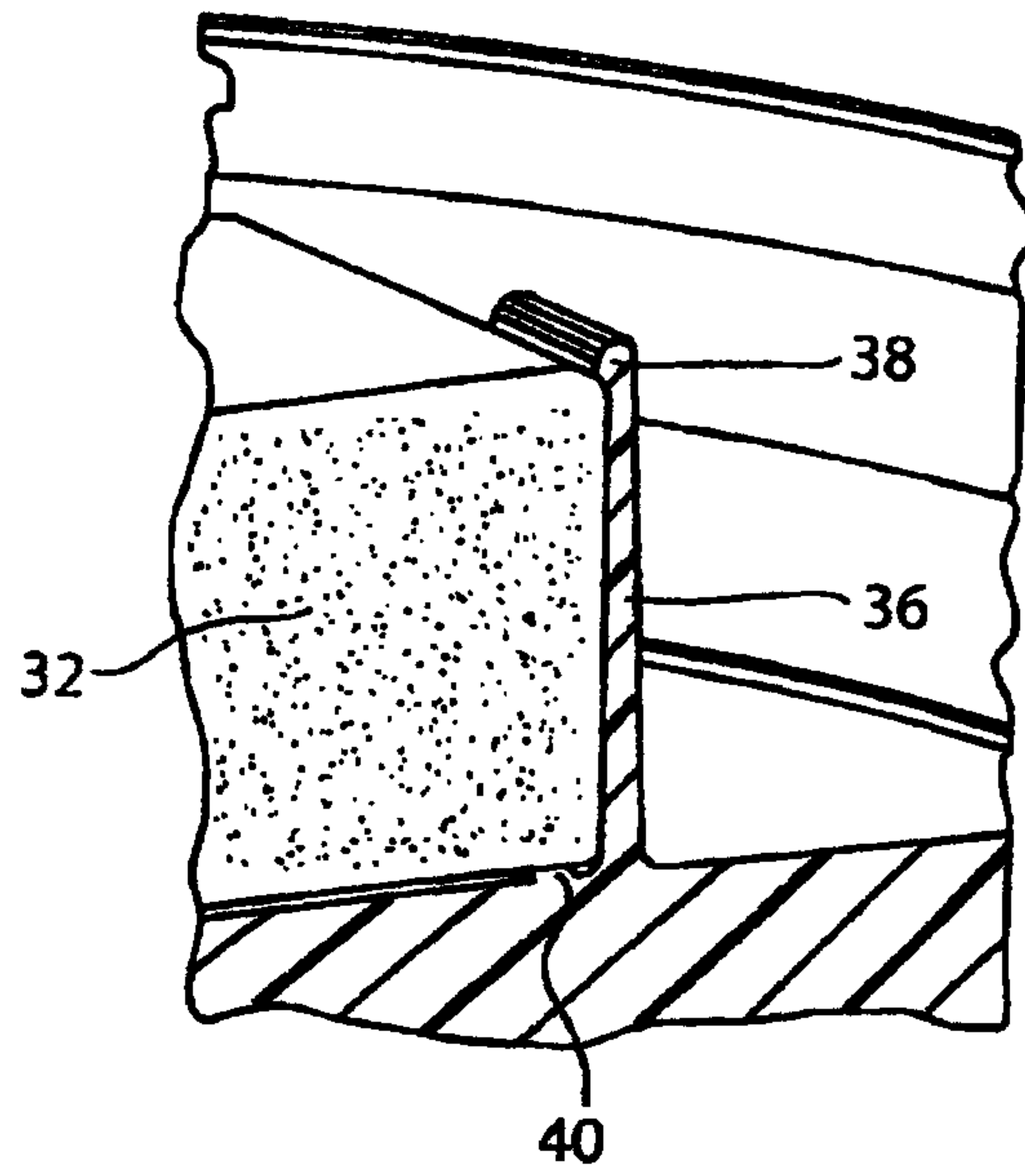


Fig. 10

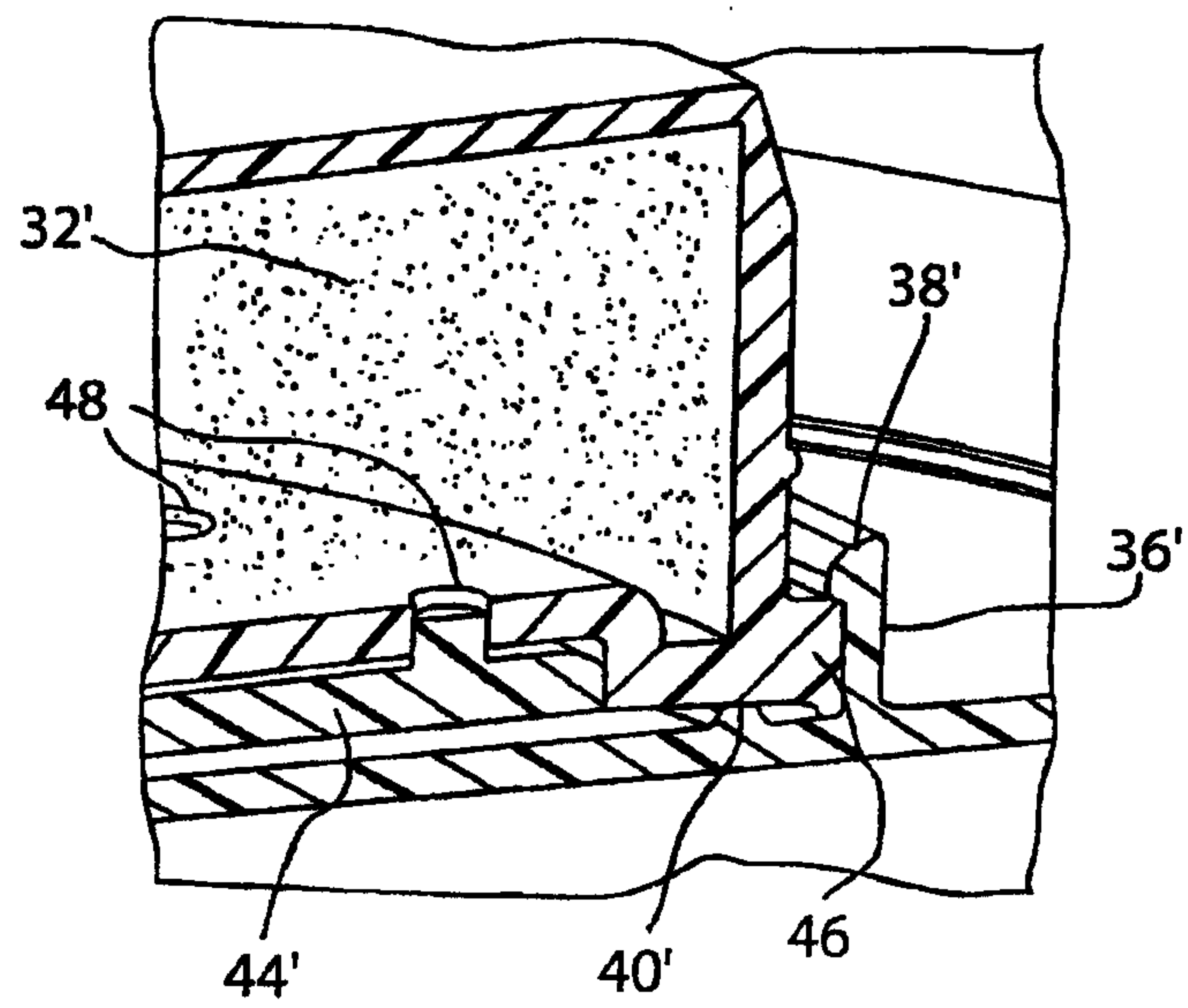


Fig. 12

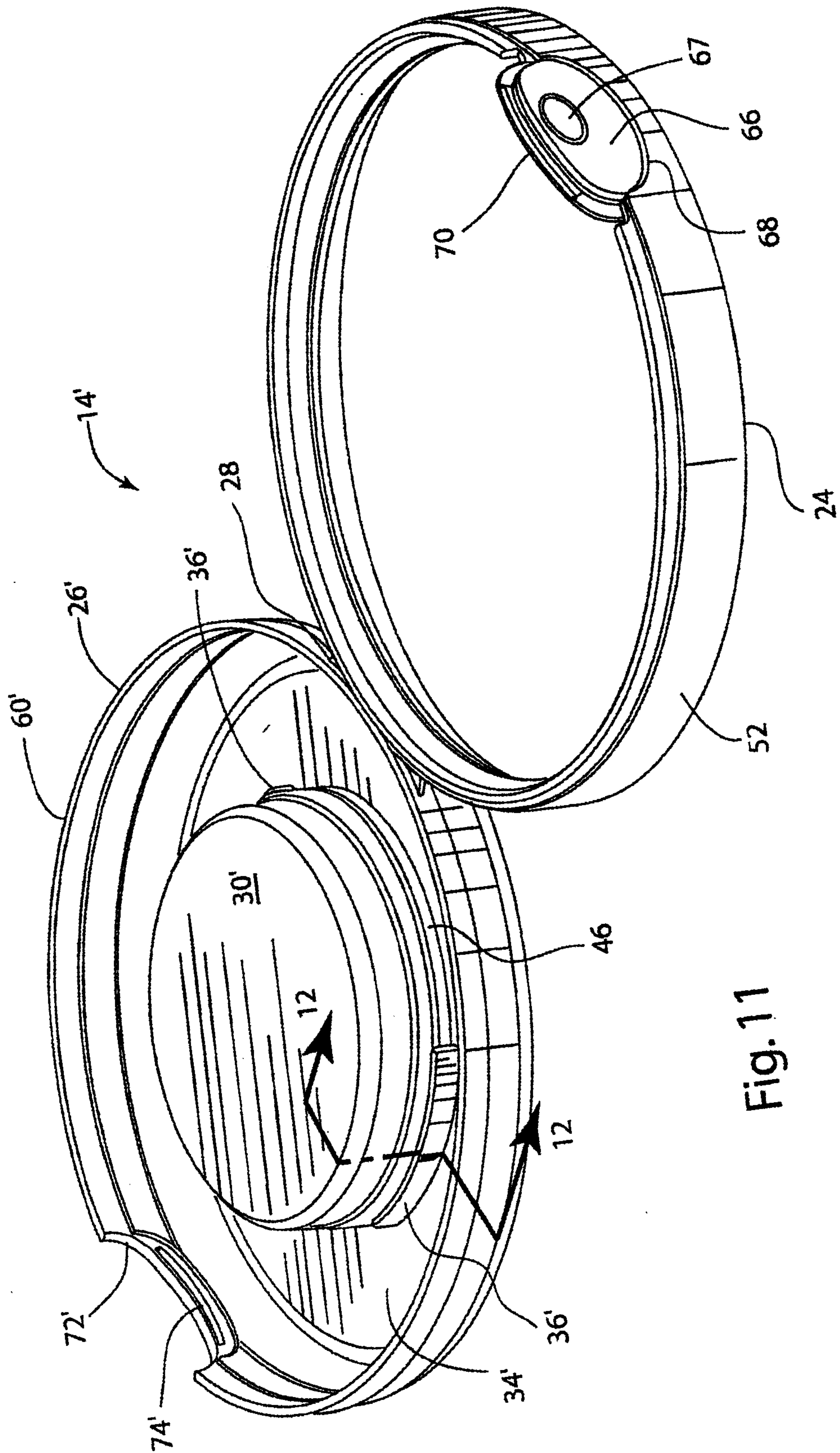


Fig. 11

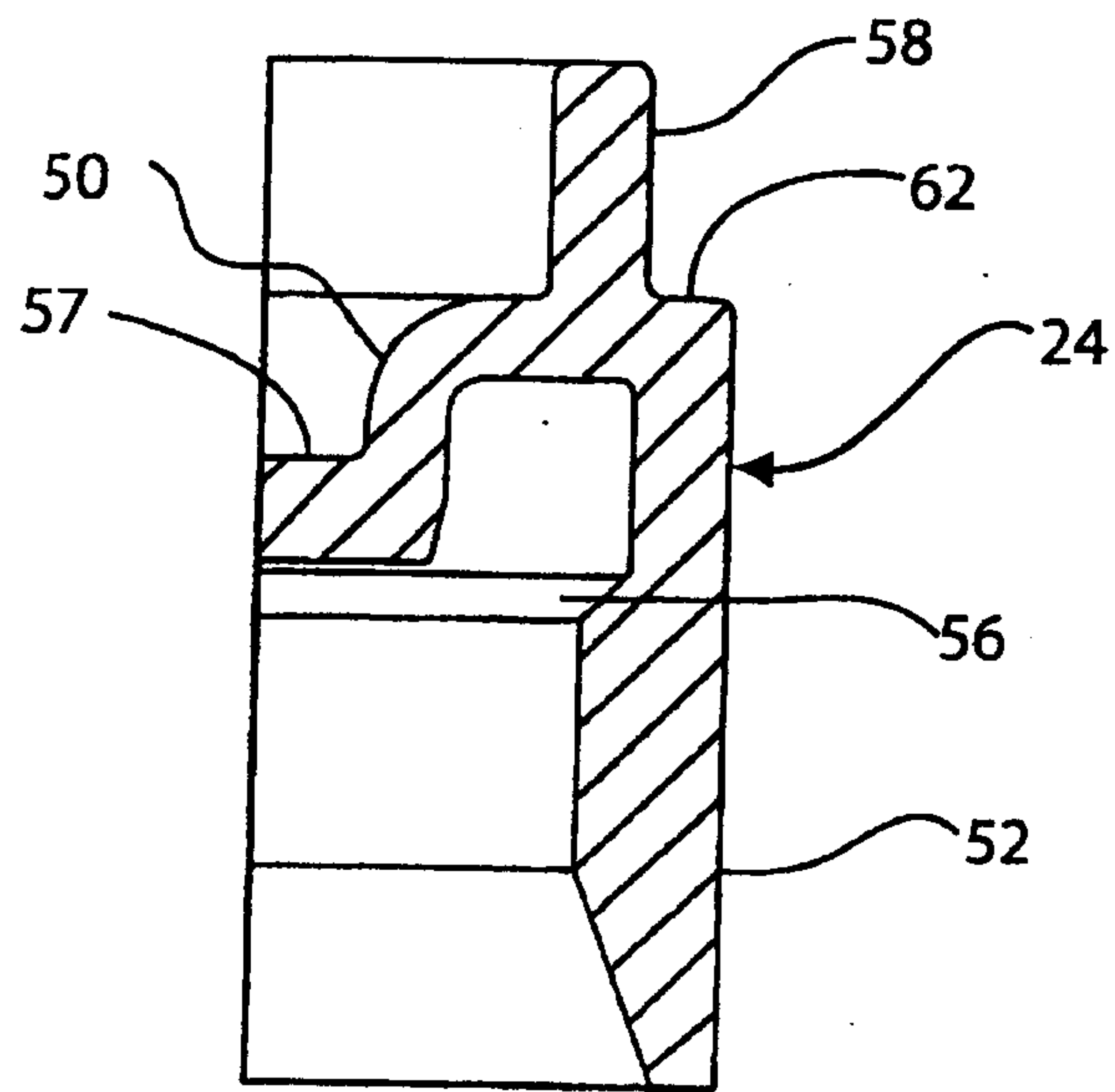


Fig. 13

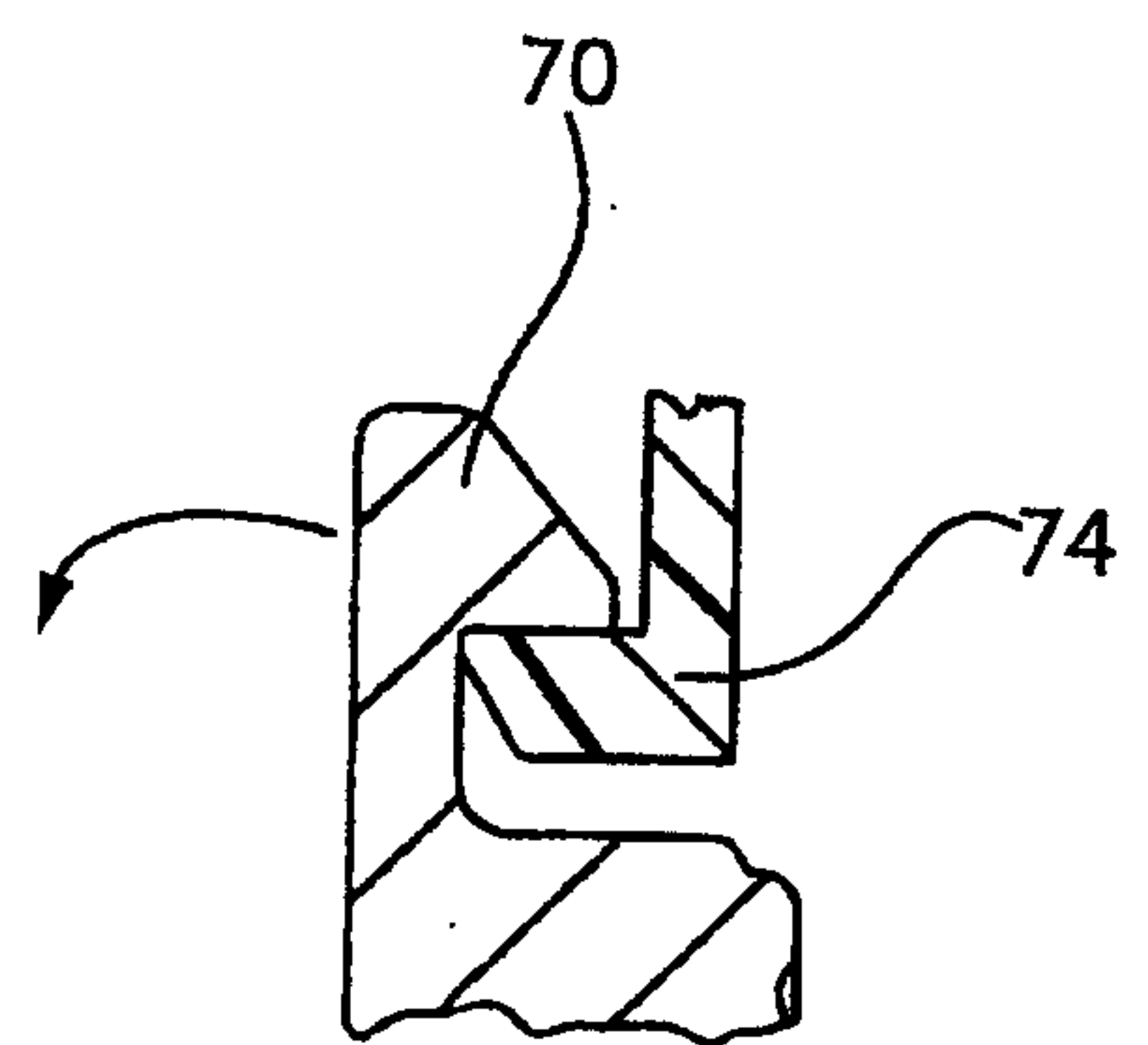


Fig. 15

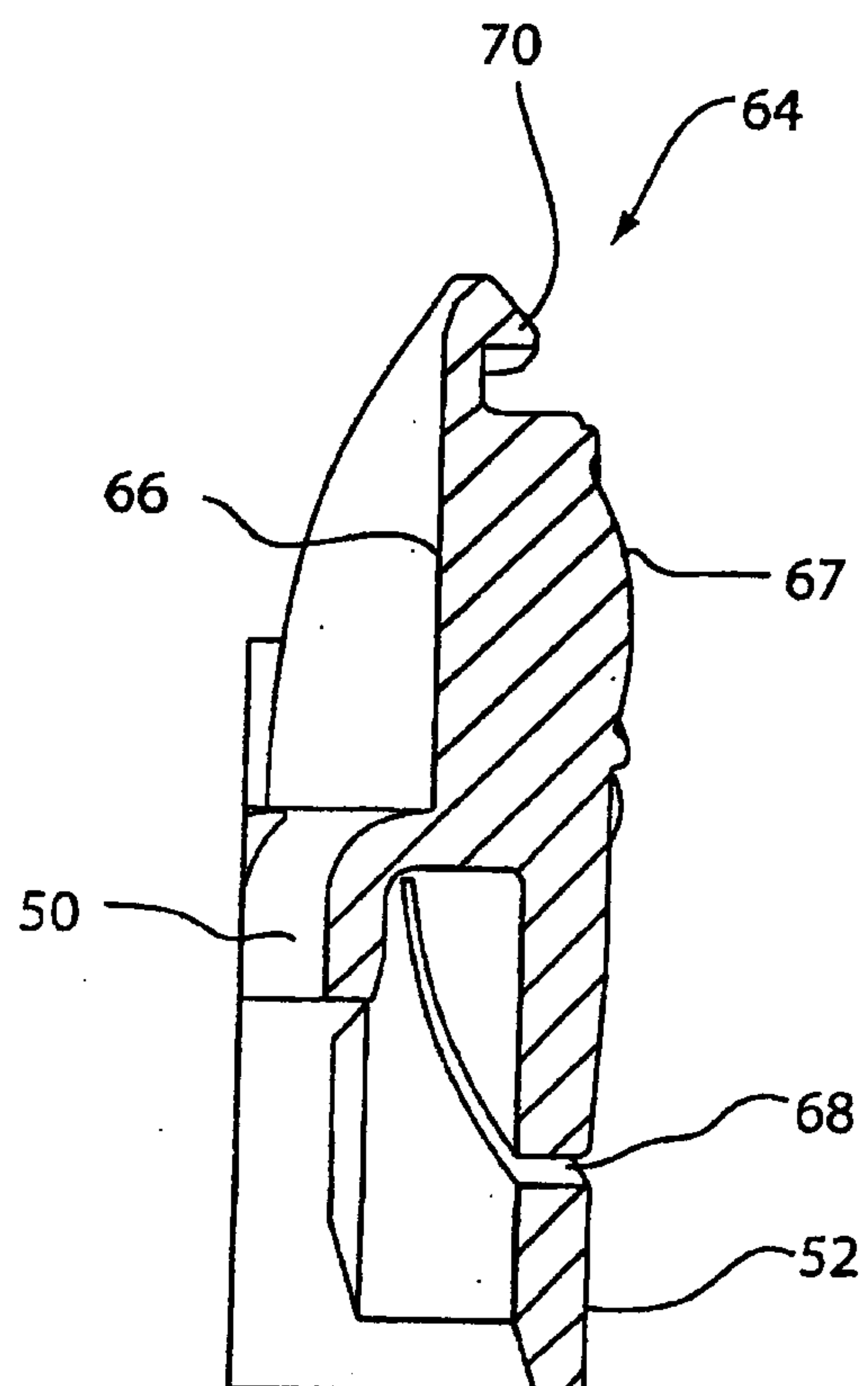


Fig. 14

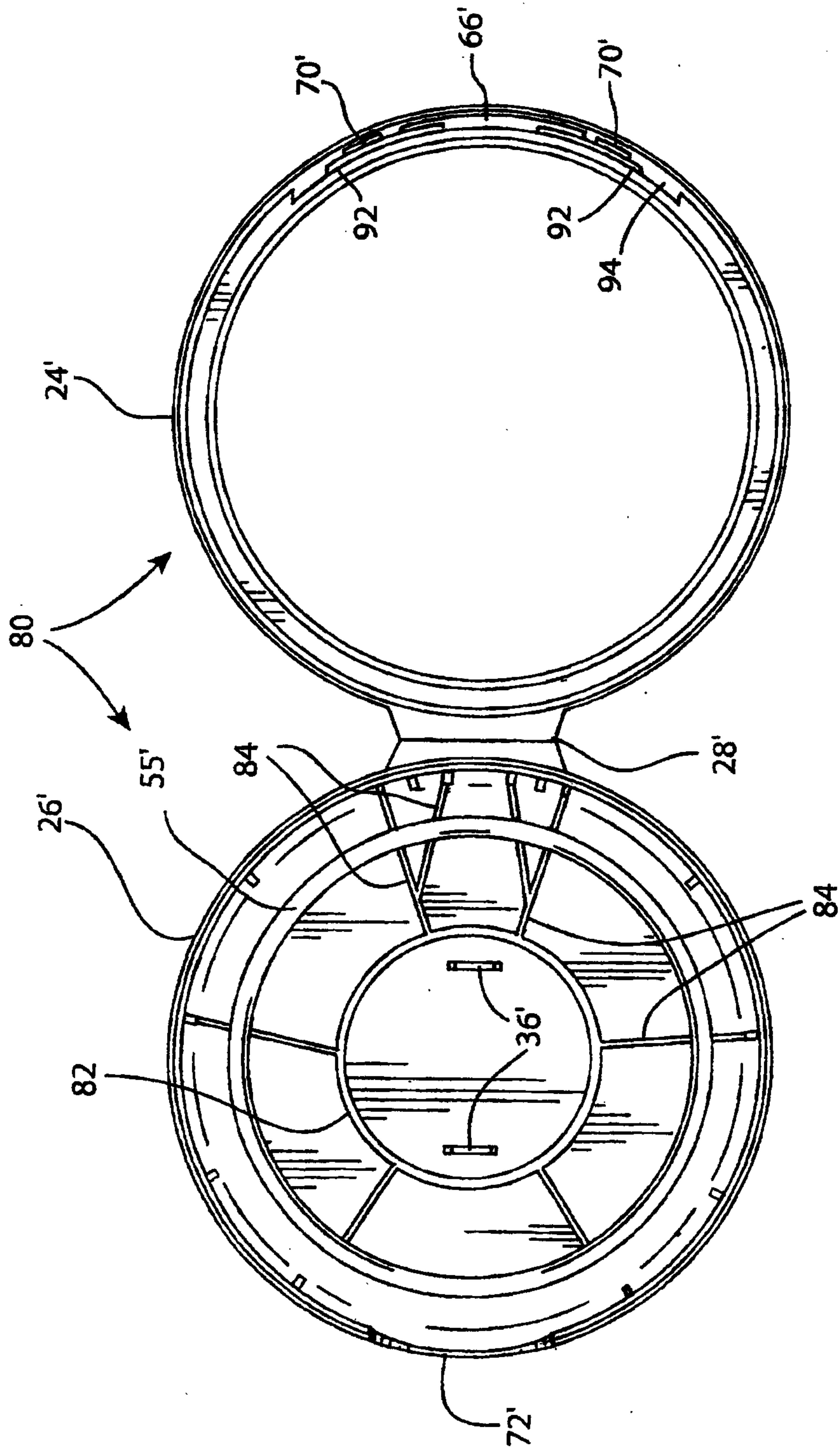


Fig. 16

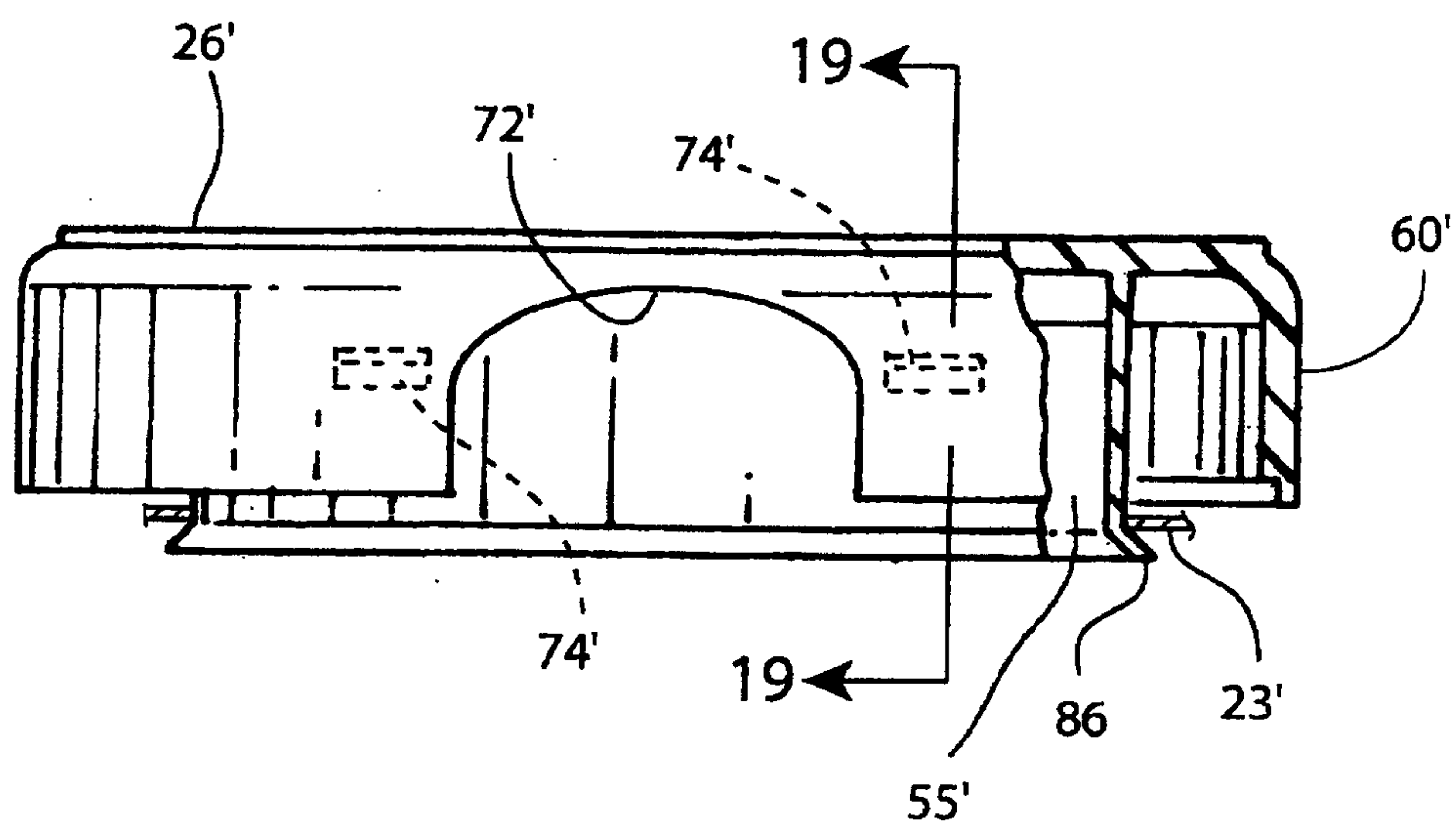


Fig. 18

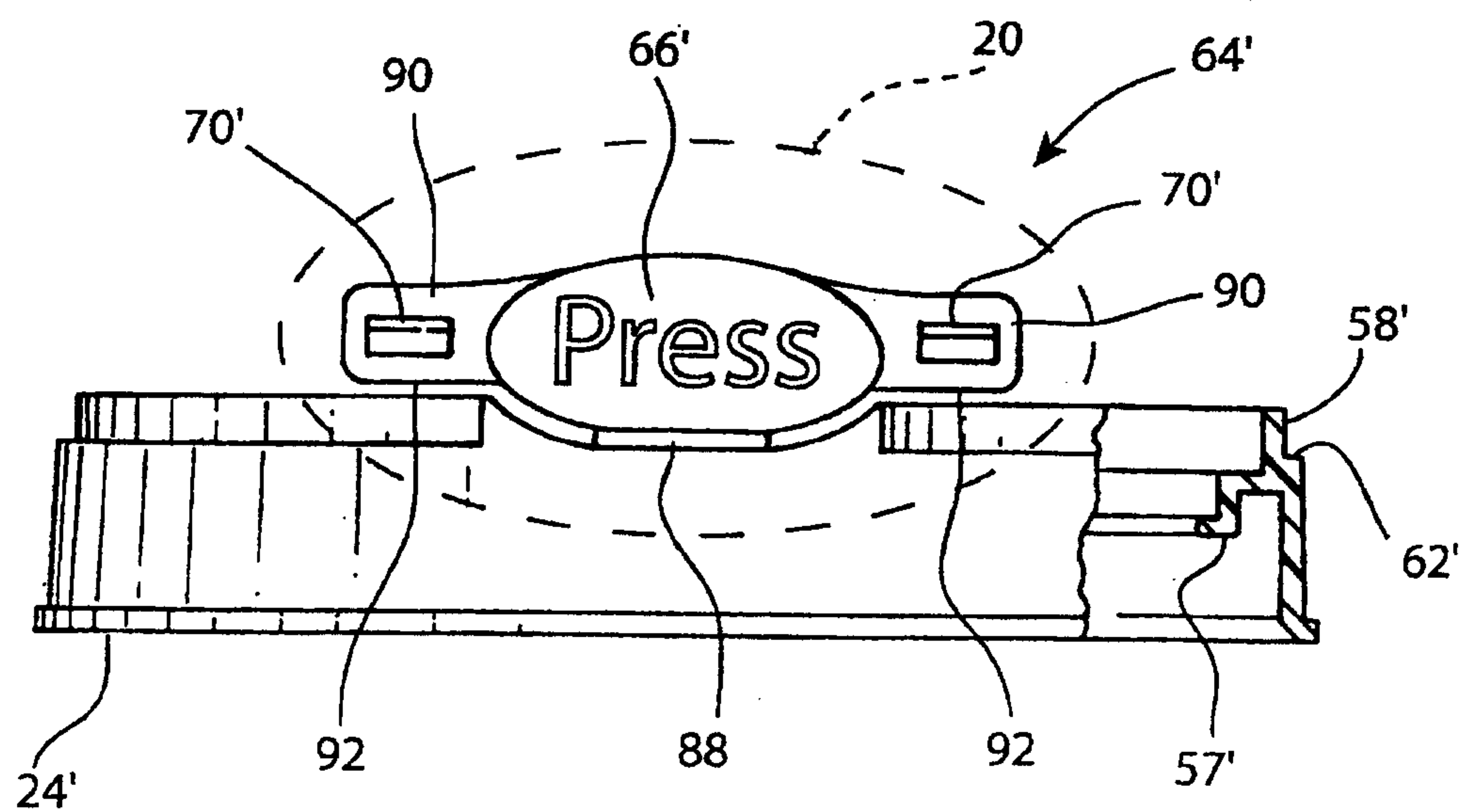


Fig. 17

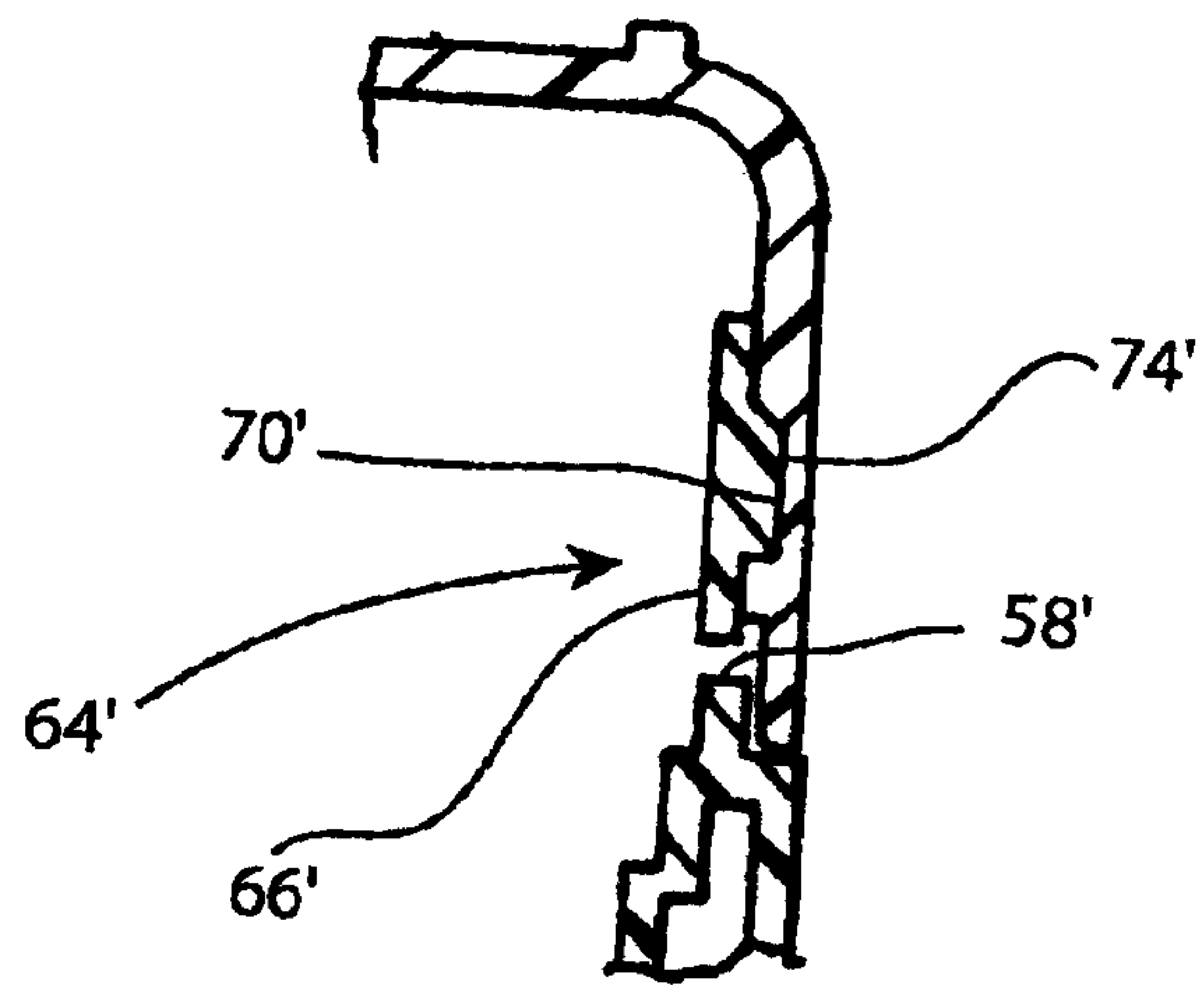


Fig. 19

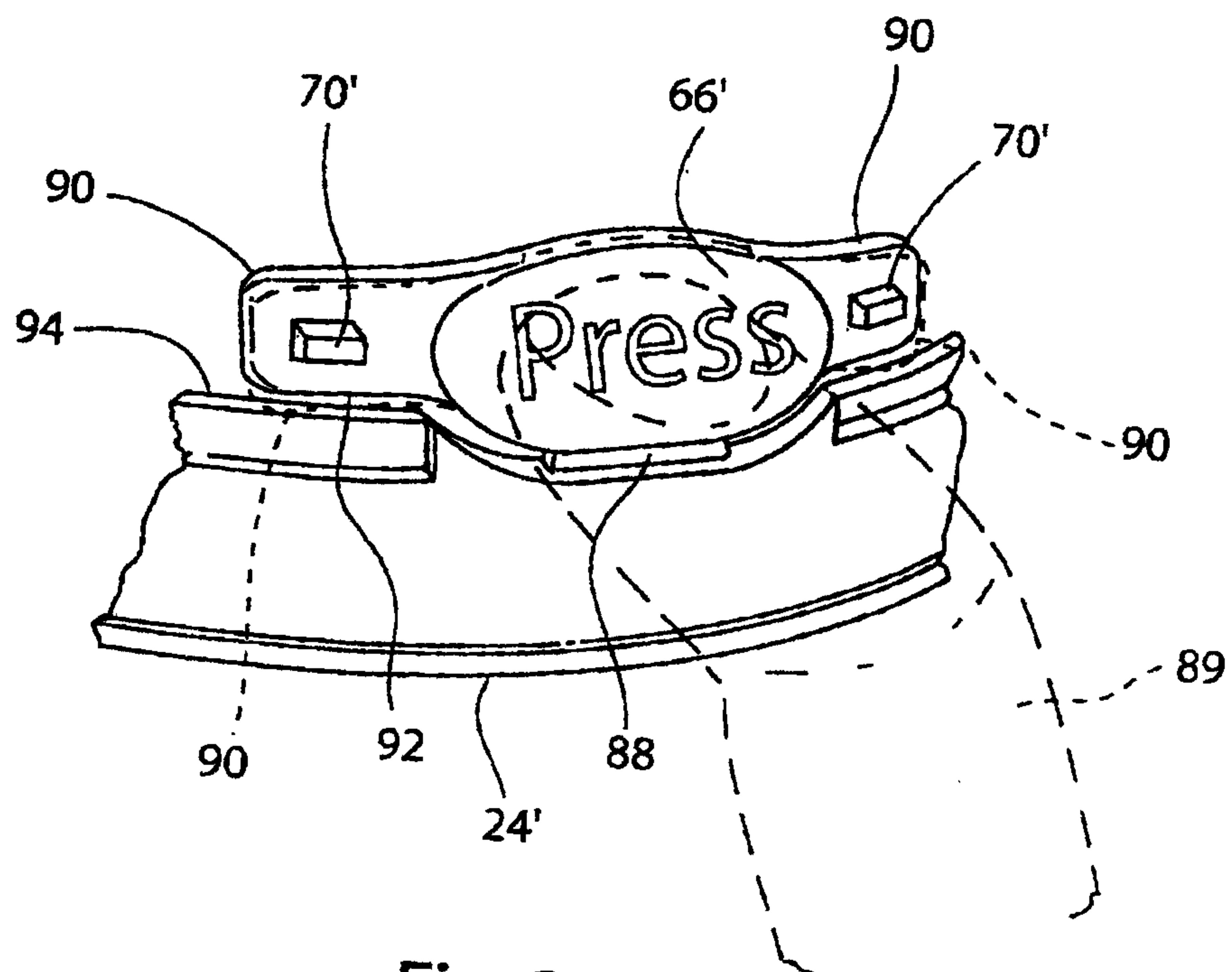


Fig. 20

