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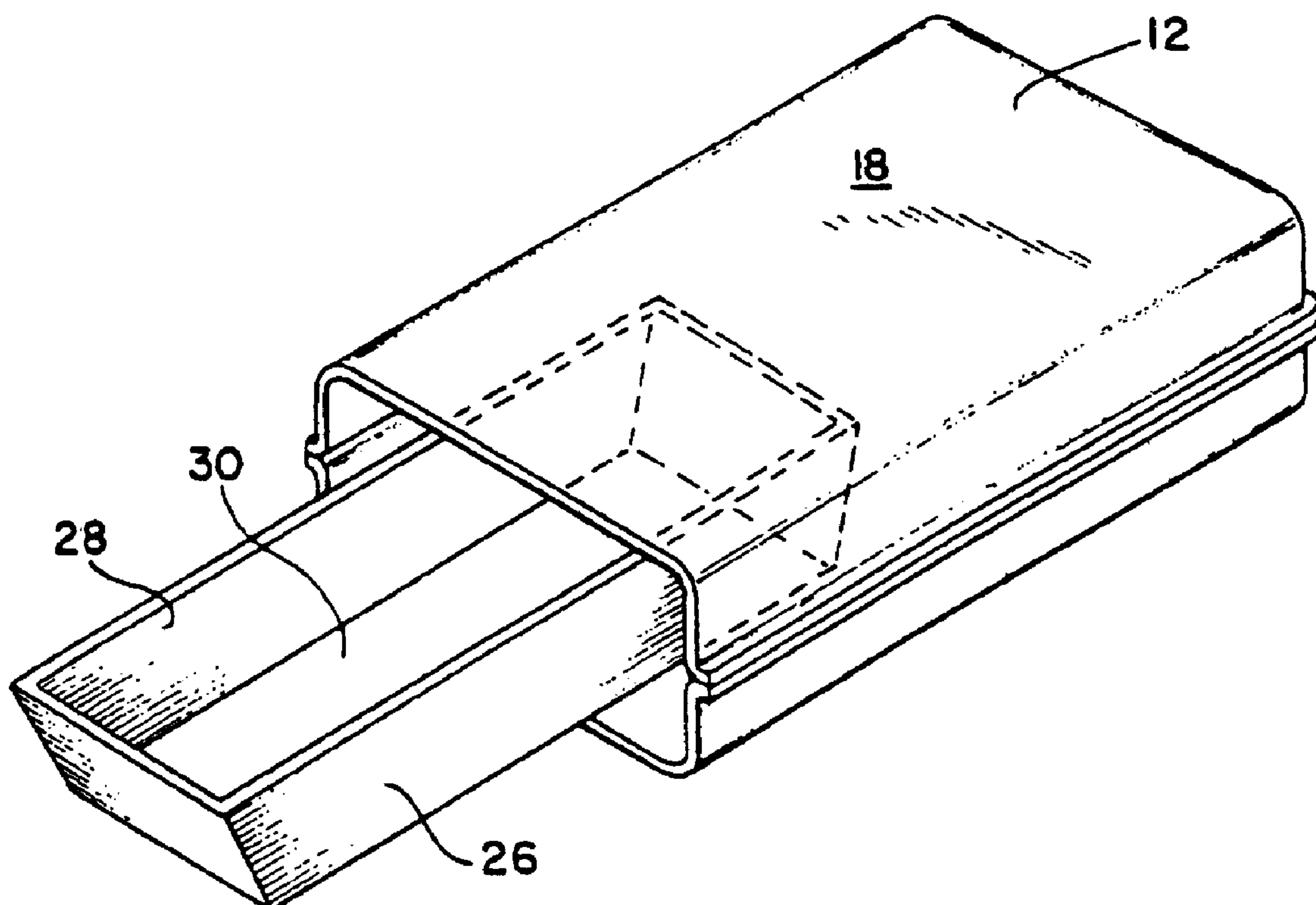
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(54) Titre : GARNITURE DE PLAT DE LITIERE

(54) Title: LITTER BOX LINER



(57) Abrégé/Abstract:

A litter box liner comprising a polyethylene bag having on one side a sheet of spun bonded non-woven nylon fibers bonded thereto. The bag is pulled over a litter box with the nylon sheet extending upwardly and is pulled off the box by inverting the bag to enclose the animal waste and litter that was disposed in the box. The nylon sheet rendered the liner claw resistant.



LITTER BOX LINERABSTRACT OF THE DISCLOSURE

A litter box liner comprising a polyethylene bag having on one side a sheet of spun bonded non-woven nylon fibers bonded thereto. The bag is pulled over a litter box with the nylon sheet extending upwardly and is pulled off the box by inverting the bag to enclose the animal waste and litter that was disposed in the box. The nylon sheet rendered the liner claw resistant.

BACKGROUND OF THE INVENTIONFIELD OF THE INVENTION

This invention relates to animal husbandry and, more particularly, to a litter box liner.

DESCRIPTION OF THE PRIOR ART

Litter boxes are widely used, primarily for cats, but also are used with other pets. These boxes have been made in various sizes of wood, metal, cardboard, plastics or the like. The litter boxes are employed with litter made of sand, sawdust, stone or other granular material and such animal litter is widely available.

One of the disadvantages of using a litter box is that it is often difficult and messy to dispose of the soiled litter and animal excrement and, very often, notwithstanding the use of litter, the litter box must be washed.

The United States Patent to Yananton, No. 4,640,225, employs a liner which is disposed in a litter box and is claw resistant. However, removal of the liner is often difficult, resulting in spillage of the litter and excrement, as well as contamination of the hands of the user.

OBJECTS OF THE INVENTION

The present invention overcomes the disadvantages of the prior art by utilizing a bag, preferably made of polyethylene, in which is disposed the litter box, much as a pillow is inserted within a pillow case. The bag is provided with a sheet of spun bonded non-woven nylon fibers bonded thereto by adhesive or other bonding procedures, such as heat sealing, sonic welding or the like. The nylon sheet is claw resistant, thus protecting the liners.

It is a further object of the invention to provide a litter box liner that is simple to use, inexpensive to manufacture and in which soiled materials can be easily stored in a sanitary manner for further disposal.

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SUMMARY OF THE INVENTION

The invention provides a litter box liner comprising a bag of waterproof material and a claw resistant sheet bonded to the bag on one side thereof, said bag being sized for
5 receiving a litter box therein, with said one side of the bag bearing the claw resistant sheet lying above the litter box and the other side of the bag lying beneath the litter box.

The liner is a bag that has a side with a sheet of spun bonded non-woven nylon fibers bonded thereto, which is
10 claw resistant and lines the inside of the litter box. Animal litter may be disposed on the nylon sheet. After use, the soiled litter and animal waste is easily and cleanly collected within the bag by inverting the bag and peeling the bag off of the litter box.

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BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective view of a litter box liner according to the present invention;

Fig. 2 is a vertical sectional view, taken along the
5 plane of line 2'-2' in Fig. 1;

Fig. 3 is a vertical sectional view illustrating the manner in which the litter box liner is utilized with a litter box;

Fig. 4 is a vertical sectional view illustrating the
10 litter box liner ready for use; and,

Fig. 5 is a vertical sectional view illustrating how the litter box liner and soiled contents are removed from the litter box.

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DETAILED DESCRIPTION OF THE INVENTION

With continuing reference to the accompanying drawings, wherein like reference numerals designate similar parts throughout the various views, reference numeral 10
5 generally designates the litter box liner constructed in accordance with the concepts of the present invention.

The litter box liner is constructed in the form of a bag 12, preferably formed of polyethylene, which has a lower portion 14 and an upper portion 16. Bonded, preferably by a
10 suitable adhesive to the upper surface of the upper portion, is a sheet of spun bonded non-woven nylon fibers.

The sheet 18 could be CerexTM(trade-mark) R 1.5 ounce per square yard. The lower portion 14 and the upper portion 16 are bonded together at end edge 20 and side edges 2 and 22
15 leaving an open mouth 24 at the front.

A litter box 26 formed of wood, metal, plastic, cardboard or paperboard and having rectangular side walls and a bottom is inserted in the open mouth 24 to be completely enveloped by the bag 12, with the sheet 18 being of sufficient
20 size to line the side walls and bottom of the litter box 26 (Fig. 4).

The litter box is then ready to have animal litter of any usable commercially available type, such as sand, sawdust, stone or the like, as indicated at 32 disposed on the sheet 18.

After use, the bag 12 is removed by inverting the lower portion 14 and the upper portion 16, as shown in Fig. 5, so that the entire amount of animal litter and animal waste is disposed within the bag 12 in a sanitary manner ready for convenient disposal.

The litter box 26 has not been soiled in any way since it is fully enclosed in the bag 12 when used and is thus immediately ready to receive another litter box liner 10 installed thereover.

The sheet 18 is preferably bonded to the bag 12 by lines or dots of a pressure-sensitive adhesive.

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CLAIMS:

1. A litter box liner comprising a bag of waterproof material and a claw resistant sheet bonded to the bag on one side thereof, said bag being sized for receiving a litter box
5 therein, with said one side of the bag bearing the claw resistant sheet lying above the litter box and the other side of the bag lying beneath the litter box.
2. A litter box liner according to claim 1, wherein said bag is formed of polyethylene.
- 10 3. A litter box liner according to claim 1, wherein said sheet is of spun bonded non-woven nylon.
4. A litter box liner according to claim 1, wherein said bag is of polyethylene, said sheet being of spun bonded non-woven nylon.
- 15 5. A litter box liner according to any one of claims 1 to 4, wherein said sheet is bonded to said bag by a pressure-sensitive adhesive.
6. A litter box liner according to claim 5, wherein said pressure-sensitive adhesive is in the form of spaced lines.
- 20 7. A litter box liner according to claim 5, wherein said pressure-sensitive adhesive is in the form of spaced dots.
8. A litter box liner comprising a bag having a lower portion and an upper portion, a sheet of claw resistant spun bonded non-woven nylon bonded to said upper portion, said bag
25 having an open mouth for receiving in said bag a litter box.
9. A litter box liner according to claim 8, wherein said bag is formed of polyethylene.

62301-1633

10. A litter box liner according to claim 8, wherein said sheet is bonded to said upper portion by lines of pressure-sensitive adhesive.

11. A litter box liner comprising a bag having a lower
5 portion and an upper portion, a sheet of claw resistant spun bonded non-woven nylon bonded to said upper portion, said bag having an open mouth for receiving in said bag a litter box, said sheet being bonded to said bag by lines of pressure-sensitive adhesive, said bag being of polyethylene.

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FIG. 1

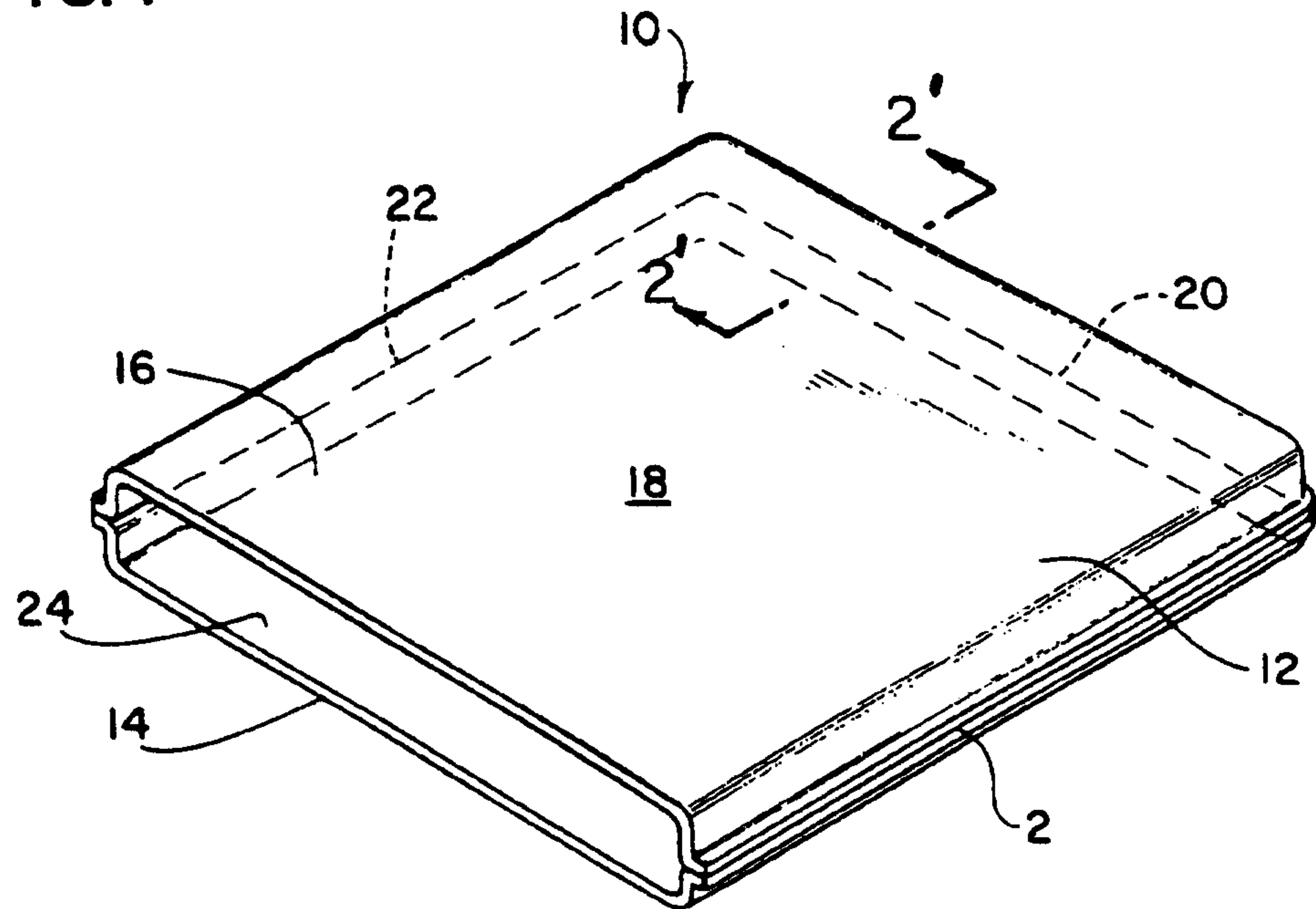


FIG. 2

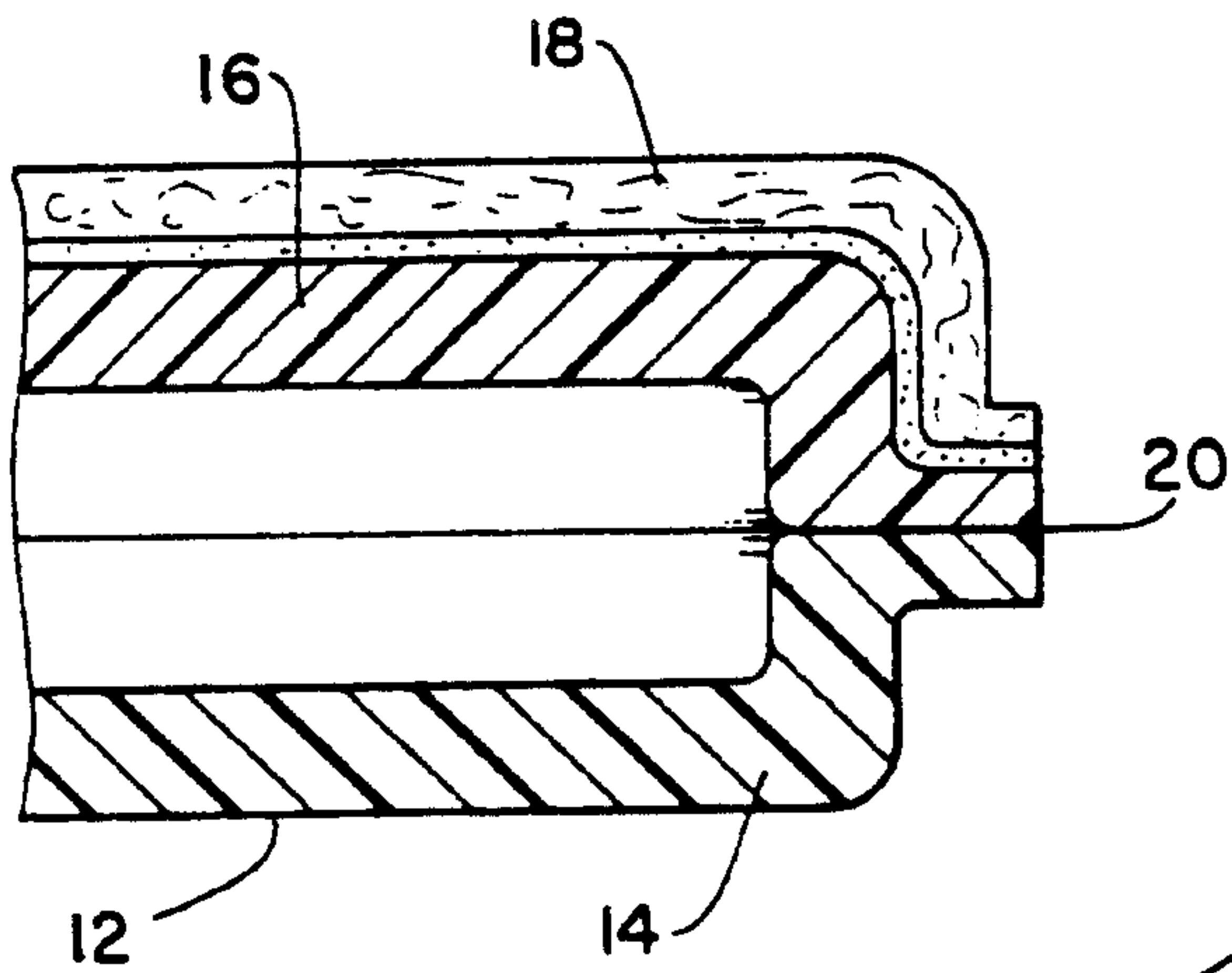


FIG. 3

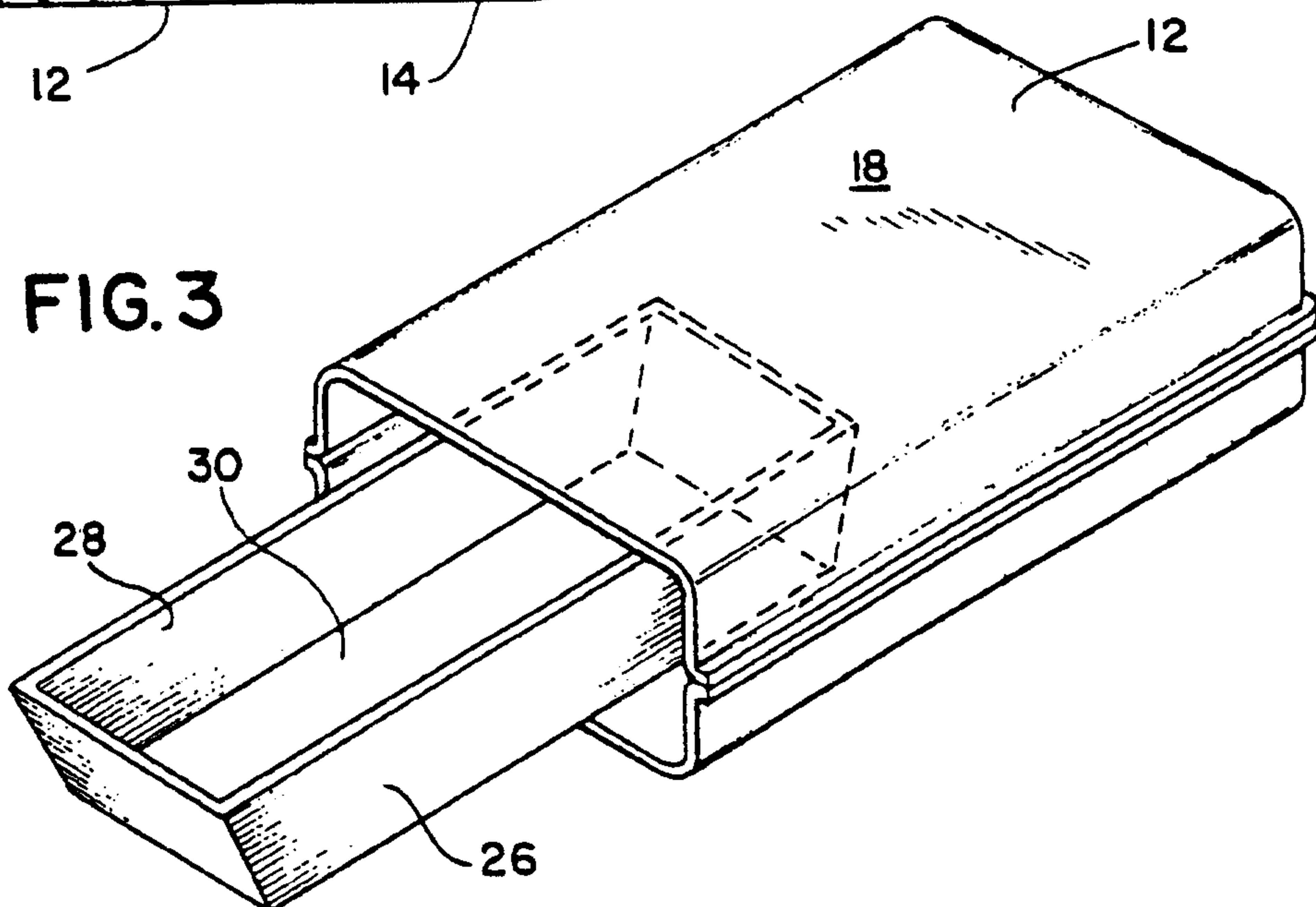


FIG. 4

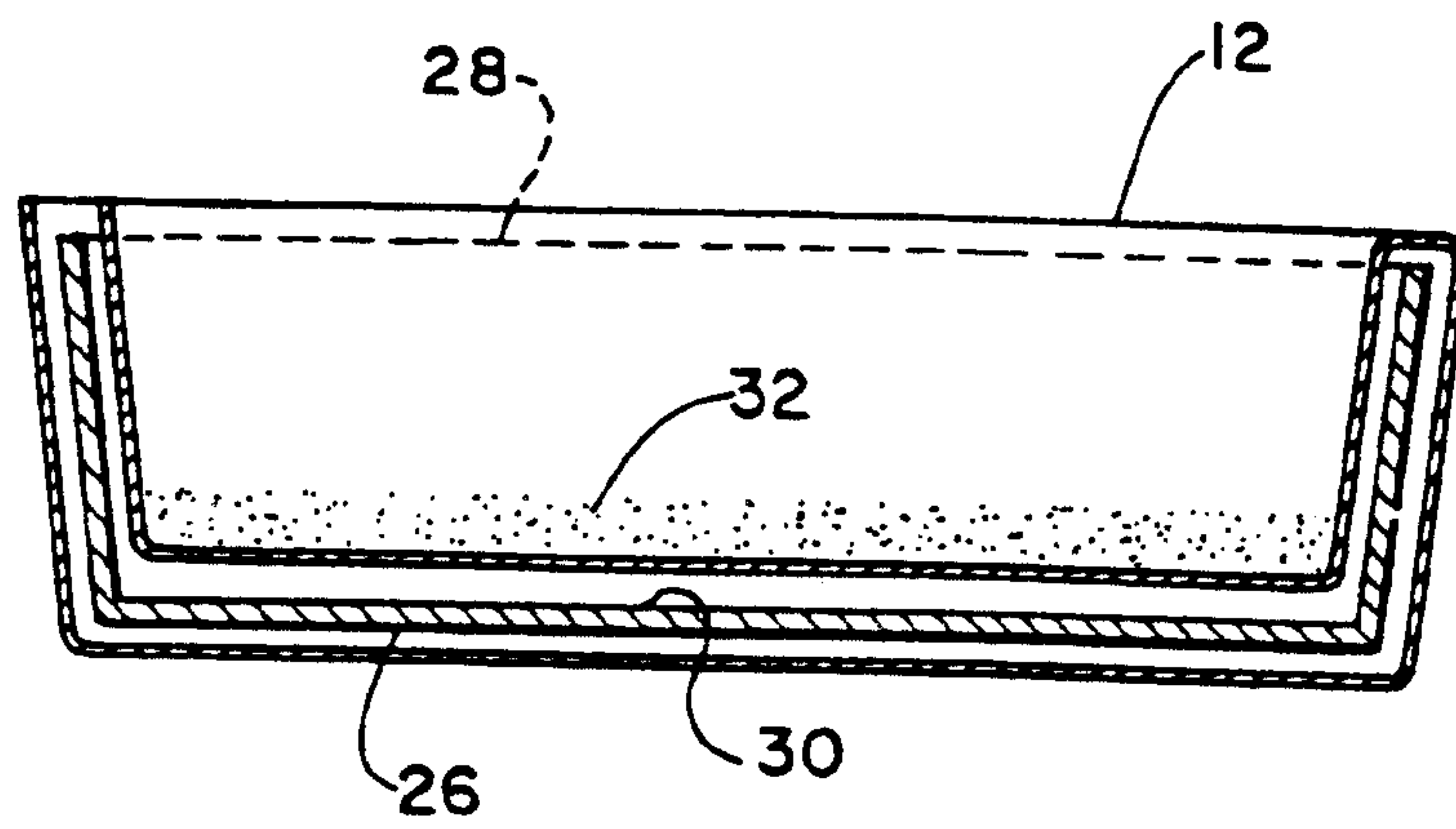


FIG. 5

