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United States Patent [19]

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Hansen et al.

[45] Date of Patent: **** Jun. 14, 1994**

[54] **ADAPTOR TOP FOR A PEN SYRINGE AMPOULE**

[58] Field of Search 604/411, 336, 232, 412, 604/413, 414, 263, 264, 415, 68, 403; D9/439, 449, 435, 450, 454; D24/130, 112, 114, 115, 129, 146

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[56] **References Cited**

[73] Assignee: **Novo Nordisk A/S, Bagsvaerd, Denmark**

U.S. PATENT DOCUMENTS

[**] Term: **14 Years**

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4,834,152 5/1989 Howson et al. 604/411 X
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[21] Appl. No.: **909,944**

Primary Examiner—A. Hugo Word
Assistant Examiner—I. Simmons
Attorney, Agent, or Firm—Steve T. Zelson

[22] Filed: **Jul. 7, 1992**

[57] **CLAIM**

Related U.S. Application Data

The ornamental design for an adaptor top for a pen syringe ampoule, as shown and described.

[63] Continuation-in-part of Ser. No. 768,684, Oct. 9, 1991.

DESCRIPTION

[30] **Foreign Application Priority Data**

FIG. 1 is a top front and right side perspective view;
FIG. 2 is a bottom front and left side perspective view;
FIG. 3 is a top plan view;
FIG. 4 is a front view;
FIG. 5 is a side view;
FIG. 6 is a side view rotated 45 degrees; and,
FIG. 7 is bottom plan view.

Sep. 21, 1990 [DK] Denmark 2282/90
May 16, 1991 [DK] Denmark 926/91
Sep. 20, 1991 [WO] PCT Int'l
Appl. PCT/DK91/00282

[52] U.S. Cl. D24/129; D9/439;
D24/114

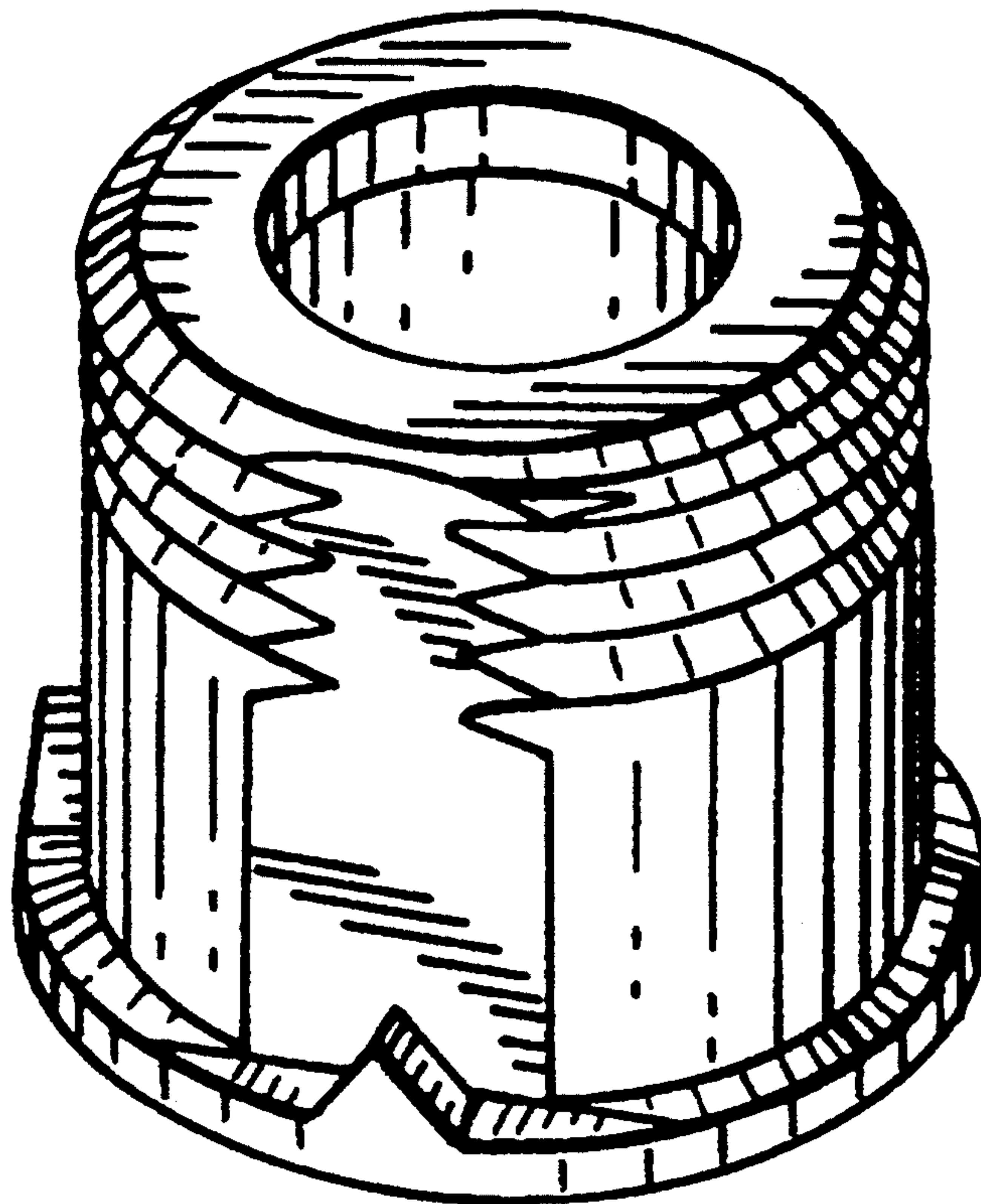


FIG. 1

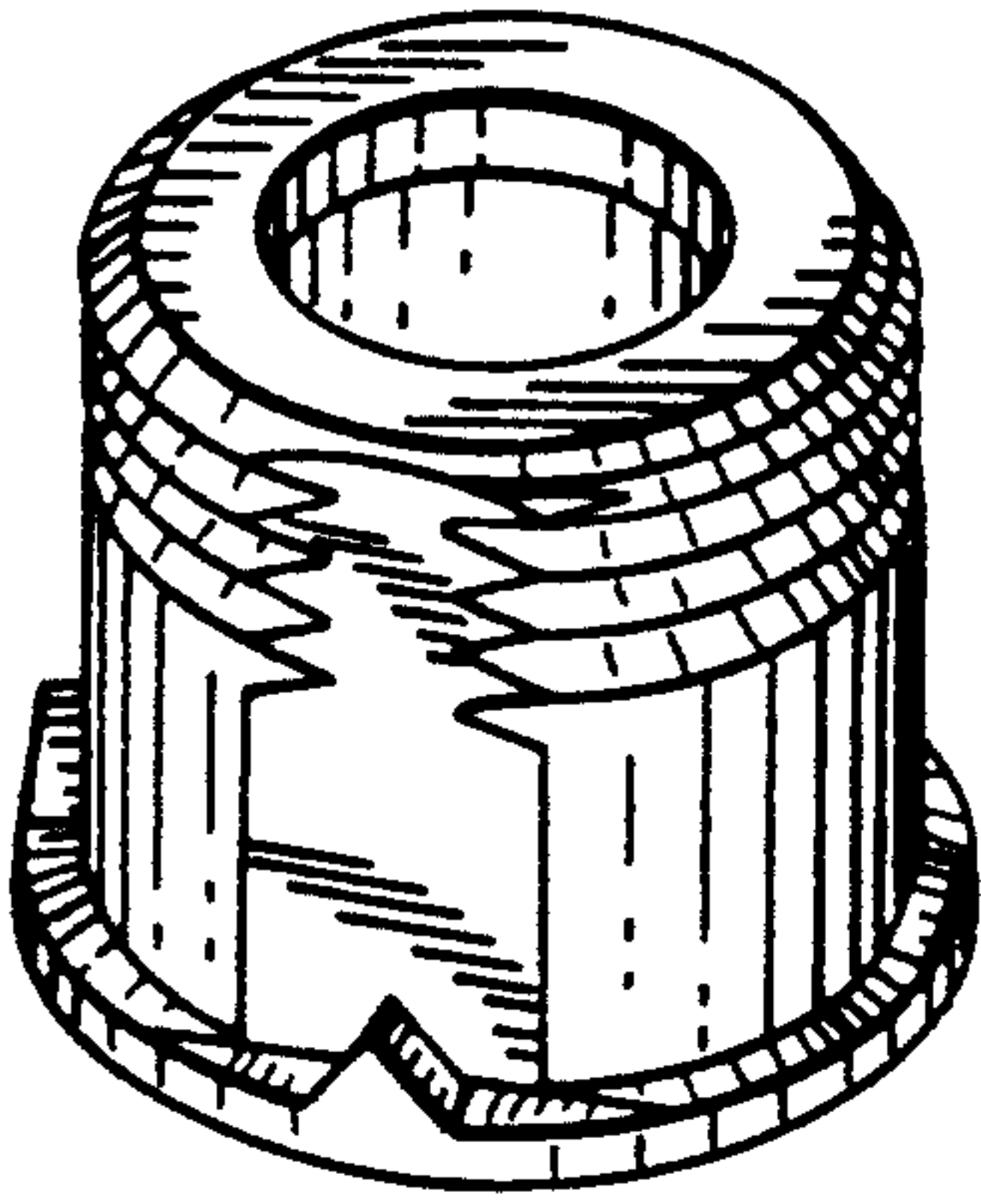


FIG. 2

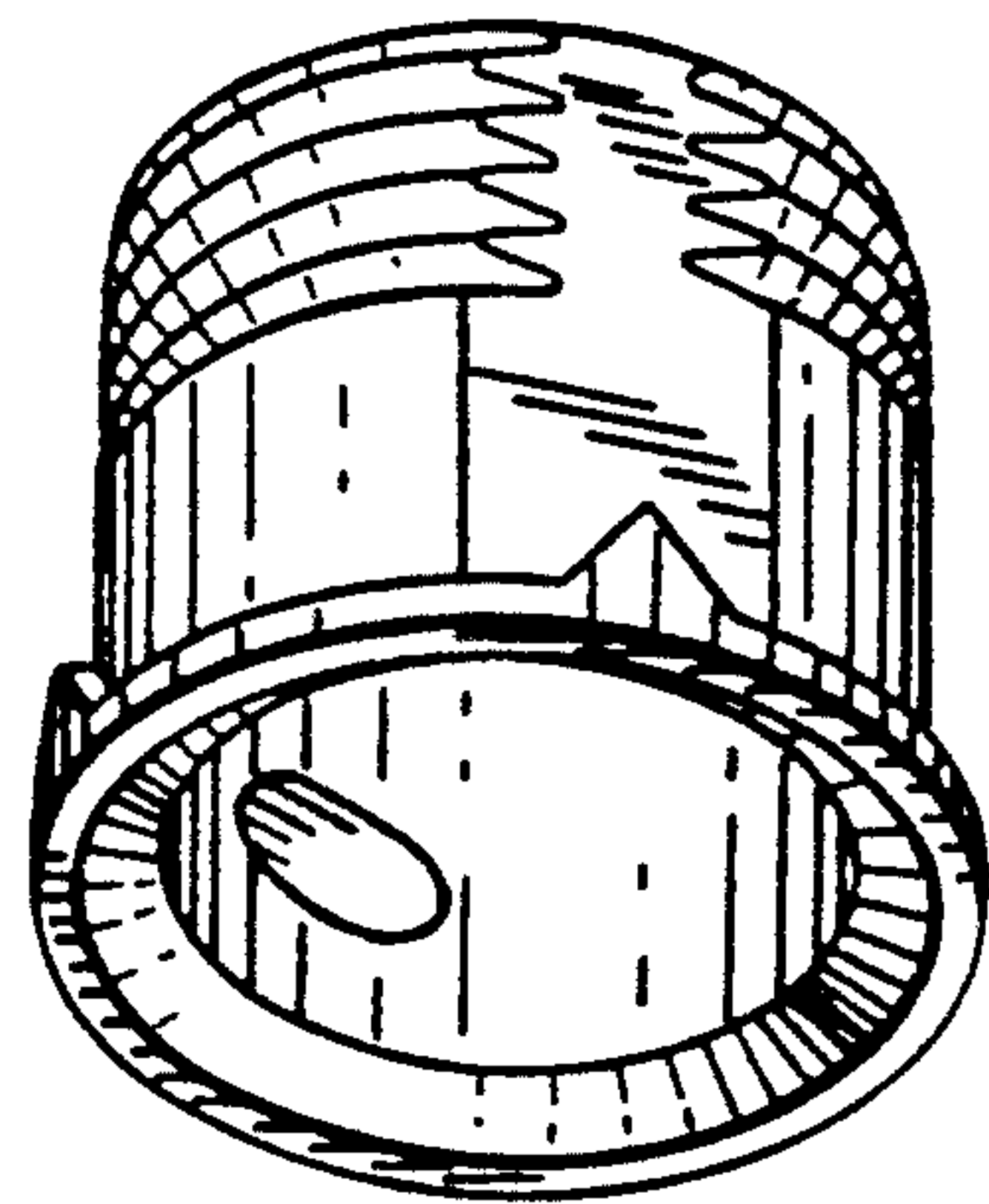


FIG. 3

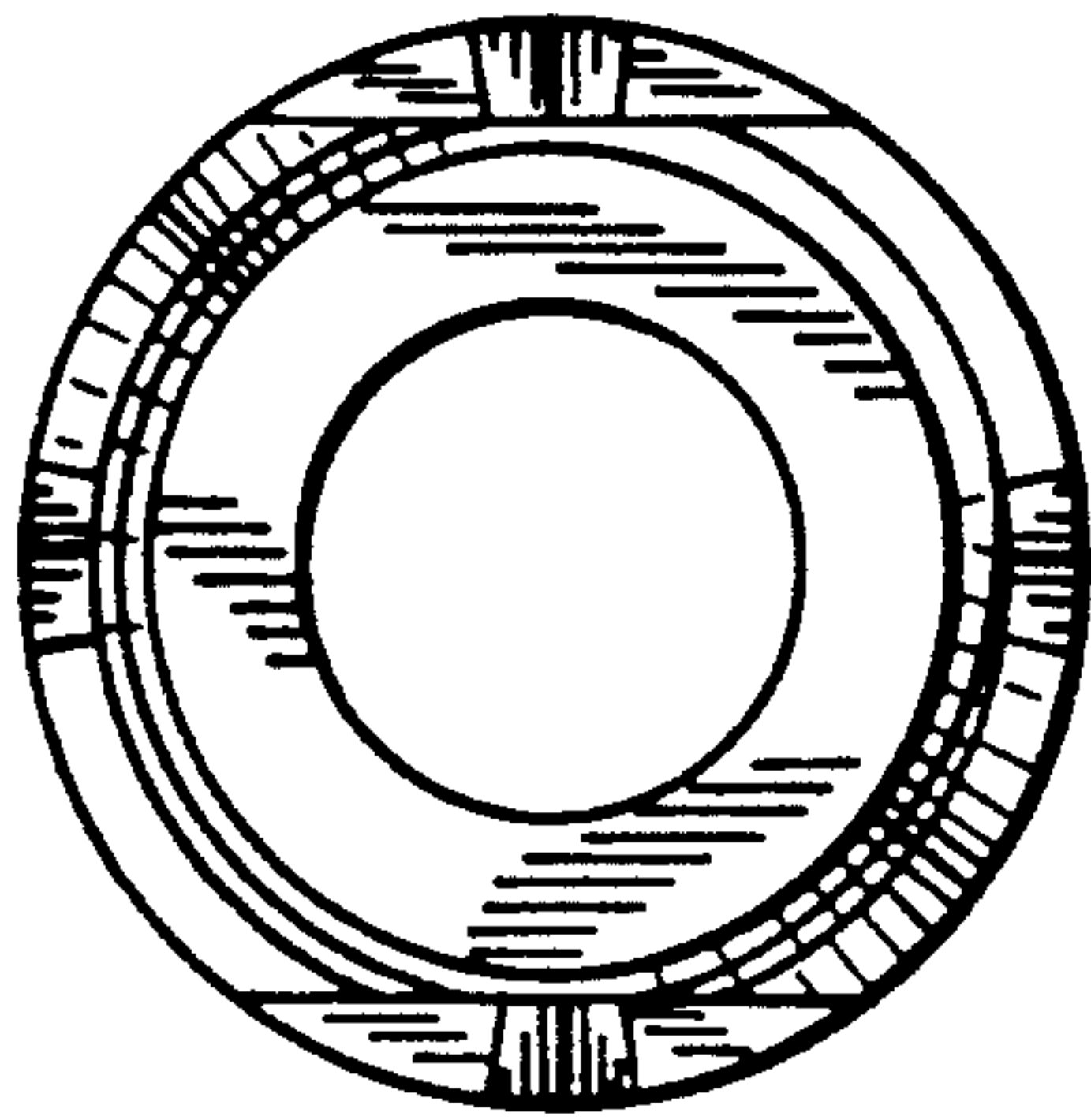


FIG. 4

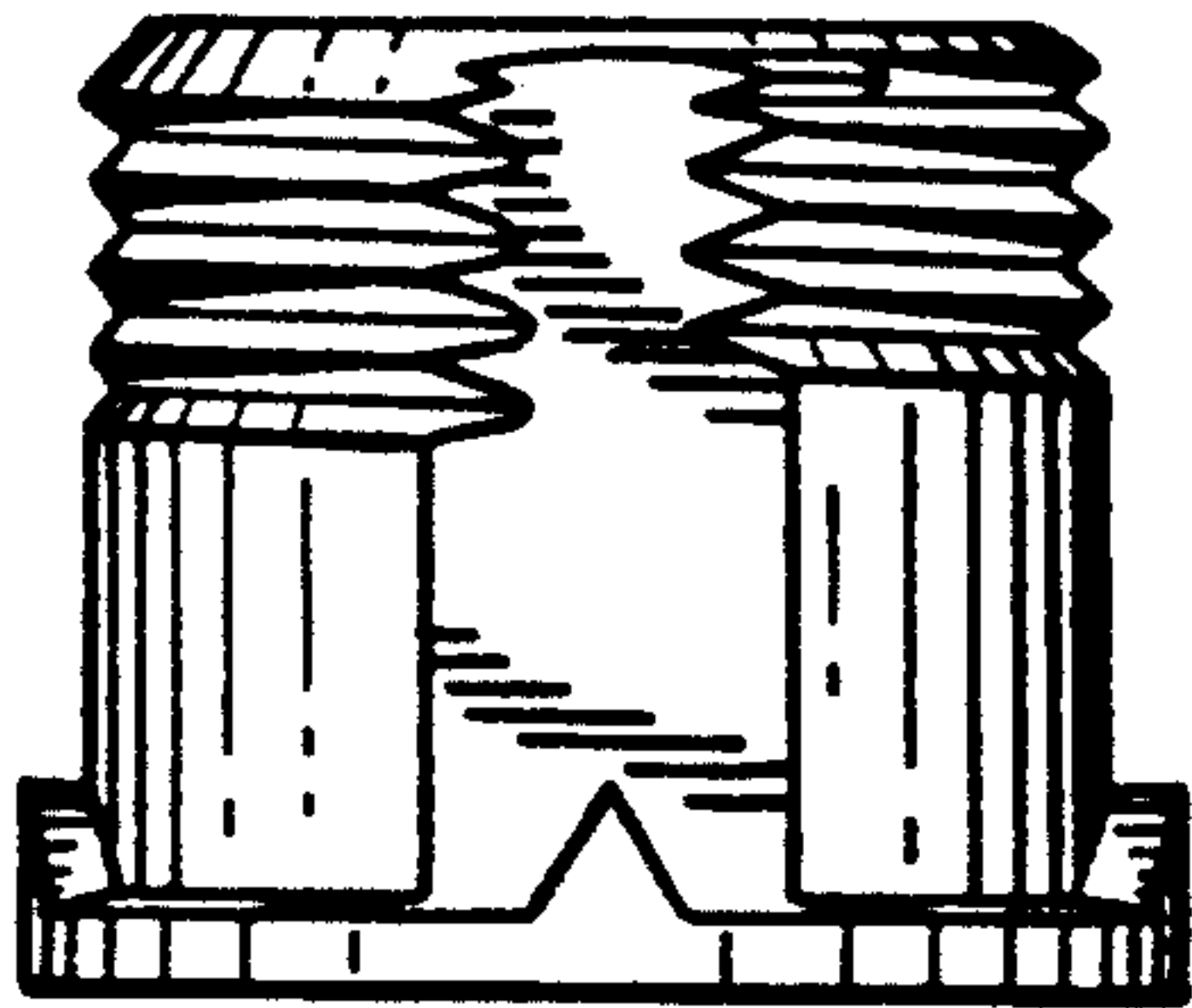


FIG. 5

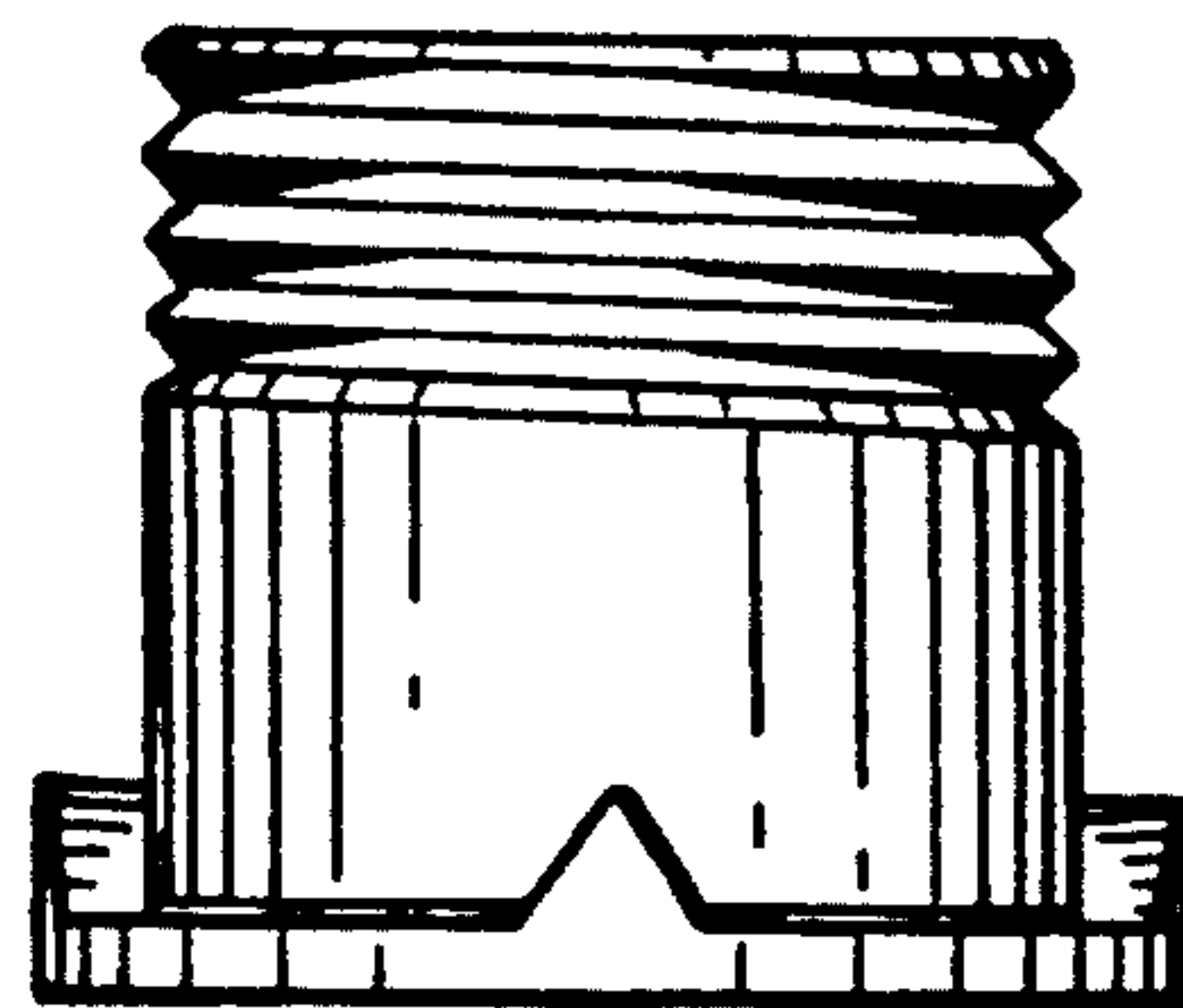


FIG. 6

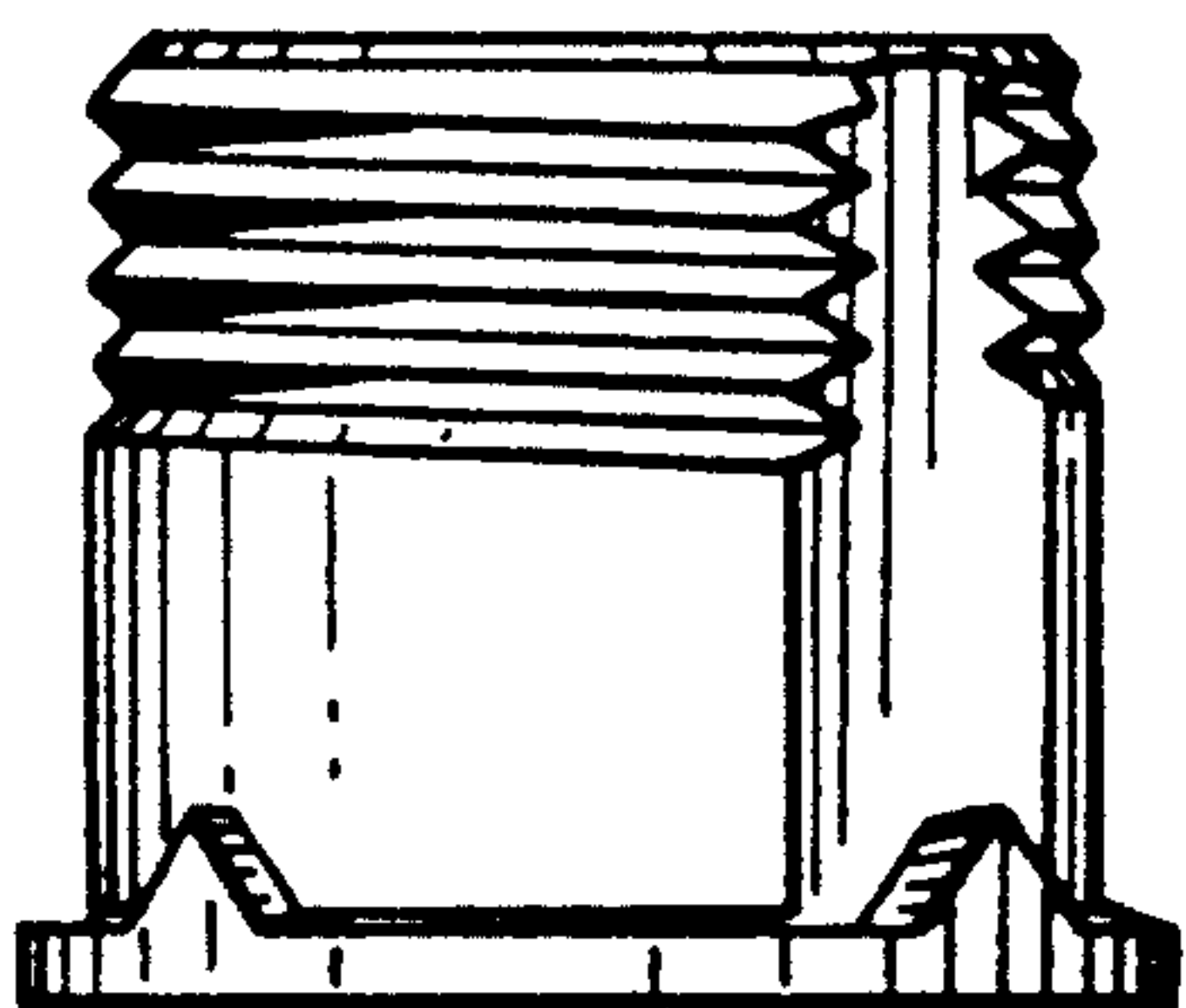


FIG. 7

