



US00D526921S

(12) **United States Design Patent** (10) **Patent No.:** **US D526,921 S**
Hallgrimsson et al. (45) **Date of Patent:** **** Aug. 22, 2006**

(54) **LIQUID METERING HOUSING**

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(73) Assignee: **Brasscorp Limited** (CA)

(**) Term: **14 Years**

(21) Appl. No.: **29/237,909**

(22) Filed: **Sep. 9, 2005**

Related U.S. Application Data

(63) Continuation of application No. 29/175,091, filed on Jan. 30, 2003, now abandoned.

(51) **LOC (8) Cl.** **10-04**

(52) **U.S. Cl.** **D10/101; D10/96**

(58) **Field of Classification Search** D10/96,
D10/101; D24/108, 130; 62/292-293; 74/24.78,
74/527; 141/25-27, 382-384; 222/390-391;
411/329

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D34,266 S	3/1901	Price
D229,748 S	1/1974	White
D232,355 S	8/1974	Wiedman
3,898,046 A	8/1975	Ikeda
D244,555 S	5/1977	Wiedmann
4,269,331 A	5/1981	Watson
D259,440 S	6/1981	Martin et al.
4,367,739 A	1/1983	LeVeen et al.
4,467,620 A	8/1984	Bradley et al.

(Continued)

FOREIGN PATENT DOCUMENTS

GB 2 186 544 A 8/1987

OTHER PUBLICATIONS

Classic Tool Design Inc., Hand Turn Dye Injectors, 1995, 1 page, New Windsor, NY USA.

(Continued)

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(57) **CLAIM**

The ornamental design for a liquid metering housing, as shown.

DESCRIPTION

FIG. 1 is a side view of a liquid metering housing showing our new design;

FIG. 2 is a further side view thereof rotated 180 degrees from FIG. 1;

FIG. 3 is a further side view thereof rotated 90 degrees from FIG. 1;

FIG. 4 is an end perspective view thereof;

FIG. 5 is an end perspective view thereof from an opposing end to that of FIG. 4;

FIG. 6 is a further end perspective view thereof from the same end as FIG. 5 and rotated approximately 180 degrees;

FIG. 7 is a further end perspective view thereof from the same end as FIG. 4;

FIG. 8 is a side view thereof from the same side as FIG. 1 with the housing partially open;

FIG. 9 is a perspective plan view of the interior thereof with the housing open;

FIG. 10 is an end perspective view thereof from the same end as FIG. 5 with the housing open;

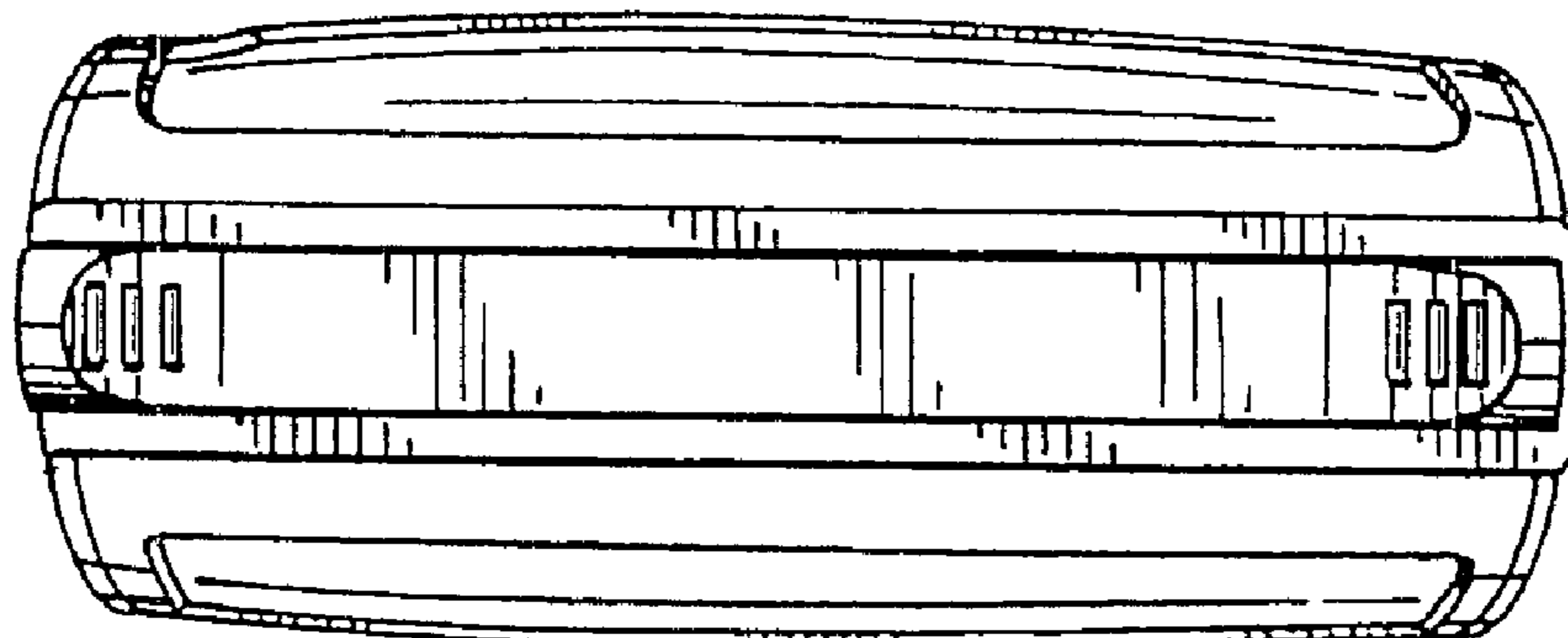
FIG. 11 is an end perspective view thereof from the same end as FIG. 4 with the housing open;

FIG. 12 is a side view thereof with the housing open;

FIG. 13 is a side view thereof from an opposing side to FIG. 12; and,

FIG. 14 is plan view of the exterior thereof with the housing open.

1 Claim, 4 Drawing Sheets



U.S. PATENT DOCUMENTS

4,810,249 A 3/1989 Haber et al.
4,948,016 A 8/1990 Summons et al.
4,976,299 A 12/1990 Bickelman
D385,793 S 11/1997 Marsal
D401,697 S 11/1998 Cloonan et al.
5,967,204 A 10/1999 Ferris et al.
6,050,310 A 4/2000 Trigiani
6,056,162 A 5/2000 Leighley
D434,990 S * 12/2000 Trigiani D10/101
6,186,197 B1 2/2001 Trigiani
6,293,319 B1 9/2001 Trigiani
D463,024 S 9/2002 Swenson
RE38,342 E 12/2003 Trigiani

OTHER PUBLICATIONS

ROBINAIR, The Tracker, 1999–2004, 1 page, Owatonna, MN USA.
Prime Automotive Warehouse, Feb. Catalog, Feb. 1, 1995, 2 pages, Memphis TN USA.

Benco Equipment, Robinair Model 16270 Tracker Injection Kit for R–134a, <http://www.benco-equipment.com/products/airconditioning/robinair/Model%2016270.htm>, printed Mar. 30, 2005, 1 page, Bismarck, ND USA.

Classic Tool Design, Inc., Economy R–12 & R–134a Dye Injector, date unknown, 1 page, New Windsor, NY USA.

Chemence Limited, Rite–Lok Anacure, date unknown, 1 page, Northants, UK.

AACAD Drafting Service, Sylinder Assembly A/C Sealer and Conditioner, Aug. 13, 1992, 1 page, Dallas TX USA.

AACAD Drafting Service, Piston A/C Sealer and Conditioner, Aug. 13, 1992, 1 page, Dallas TX USA.

Japan Patent Office English translation of abstract of publication number JP06193794A, publication date Jul. 15, 1994, printed May 18, 2002, 2 pgs.

* cited by examiner

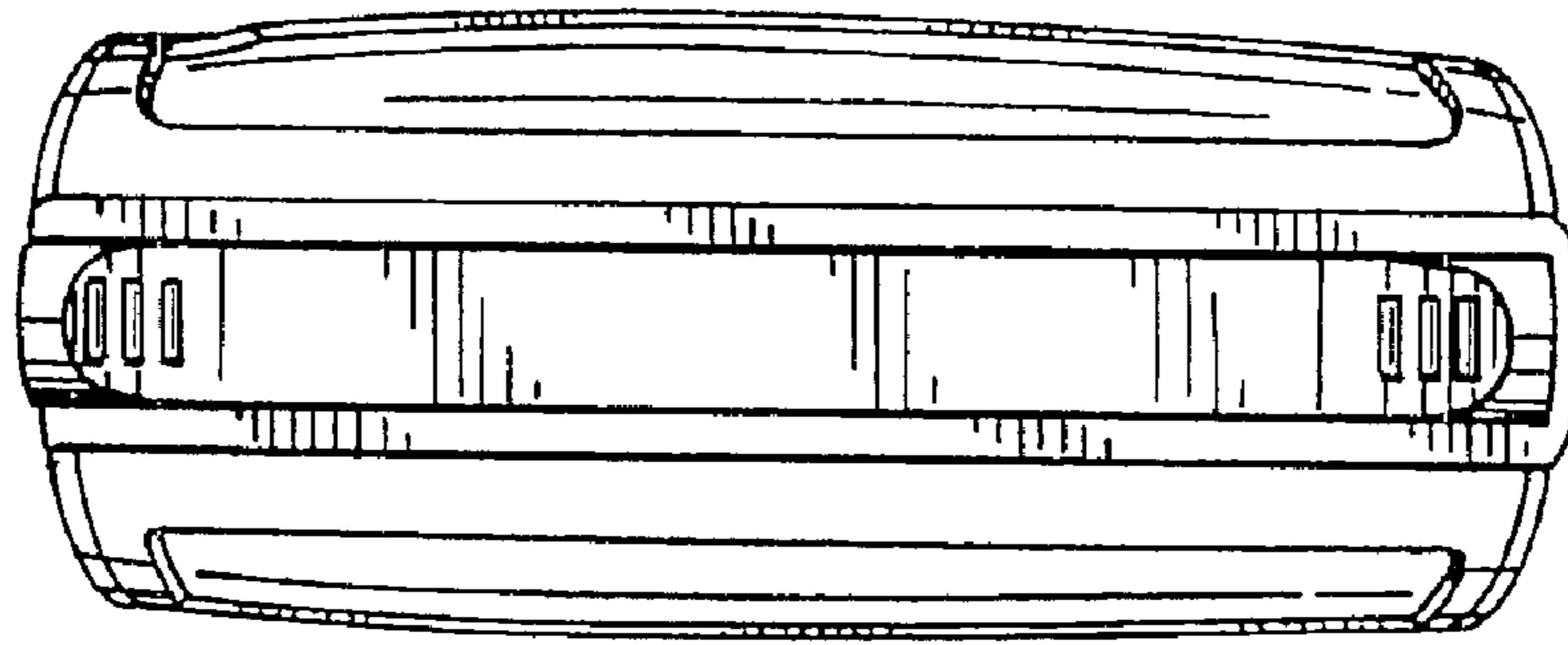


FIG. 1

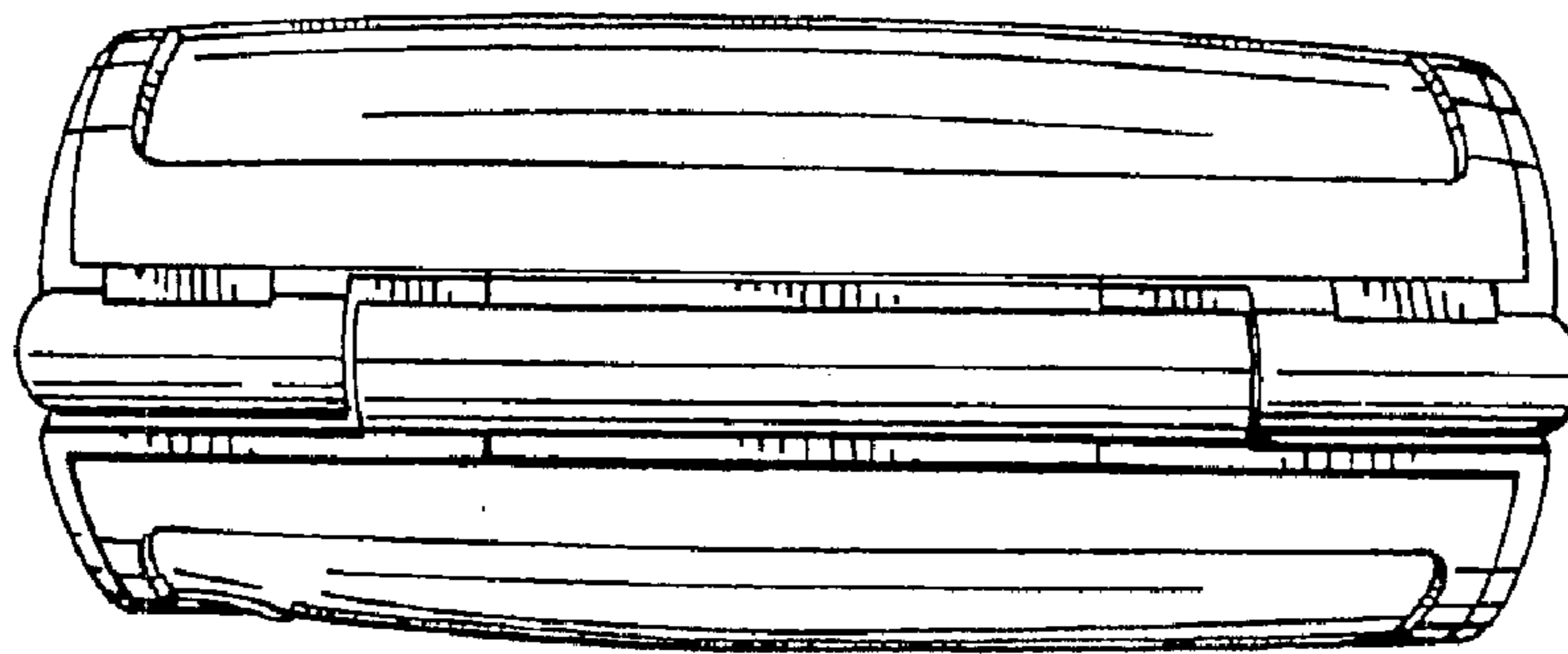


FIG. 2

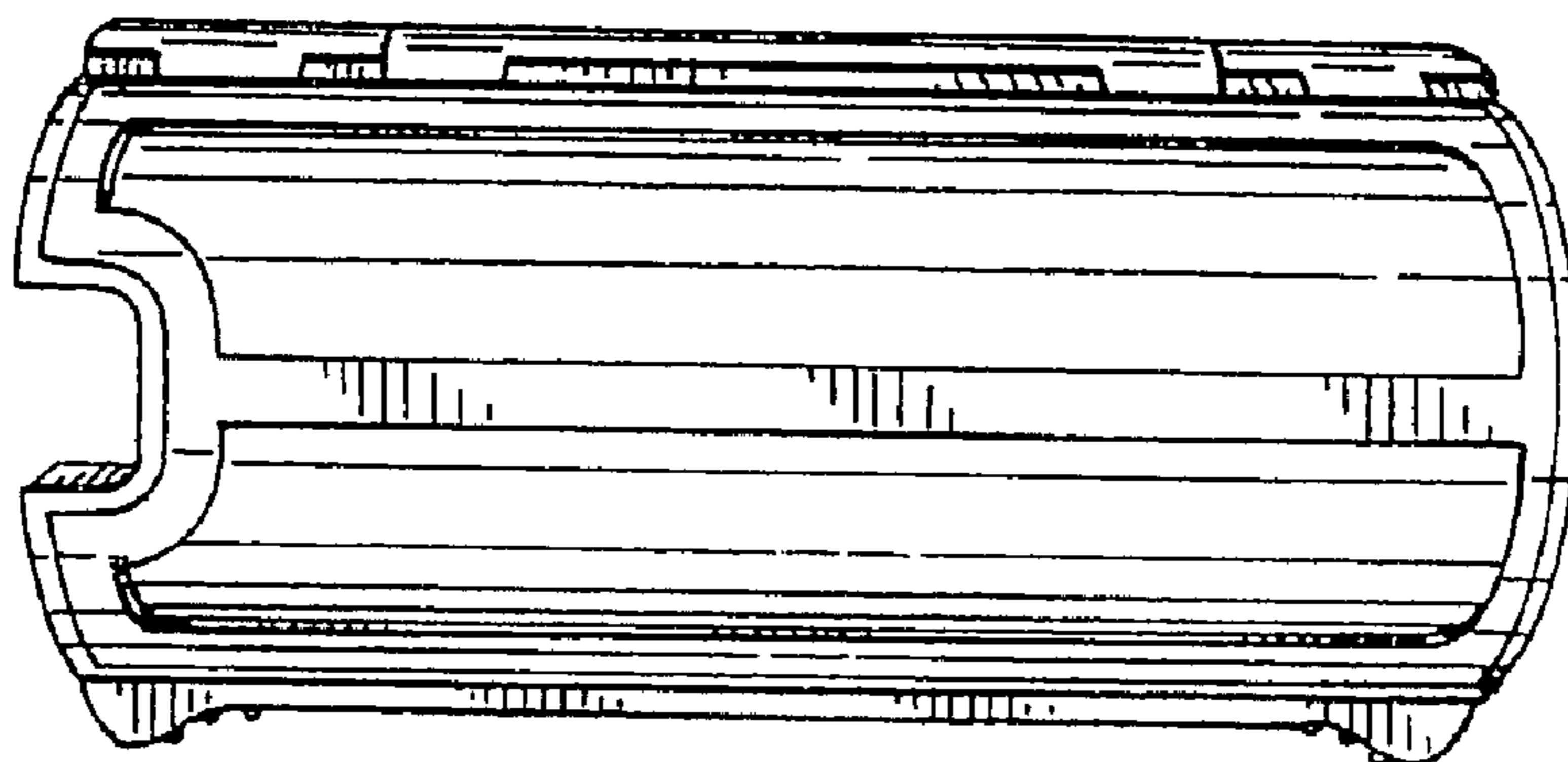


FIG. 3

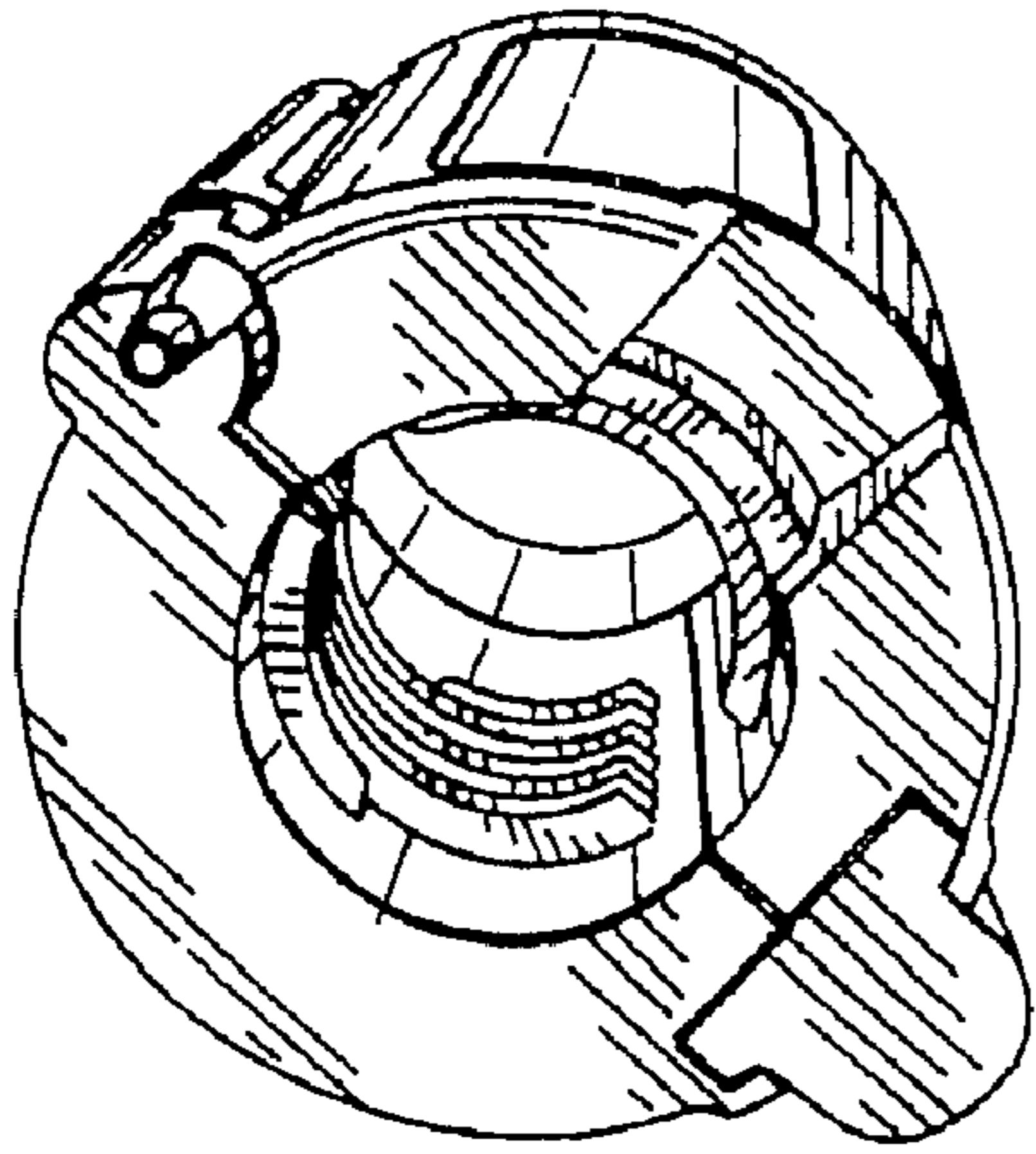


FIG. 4

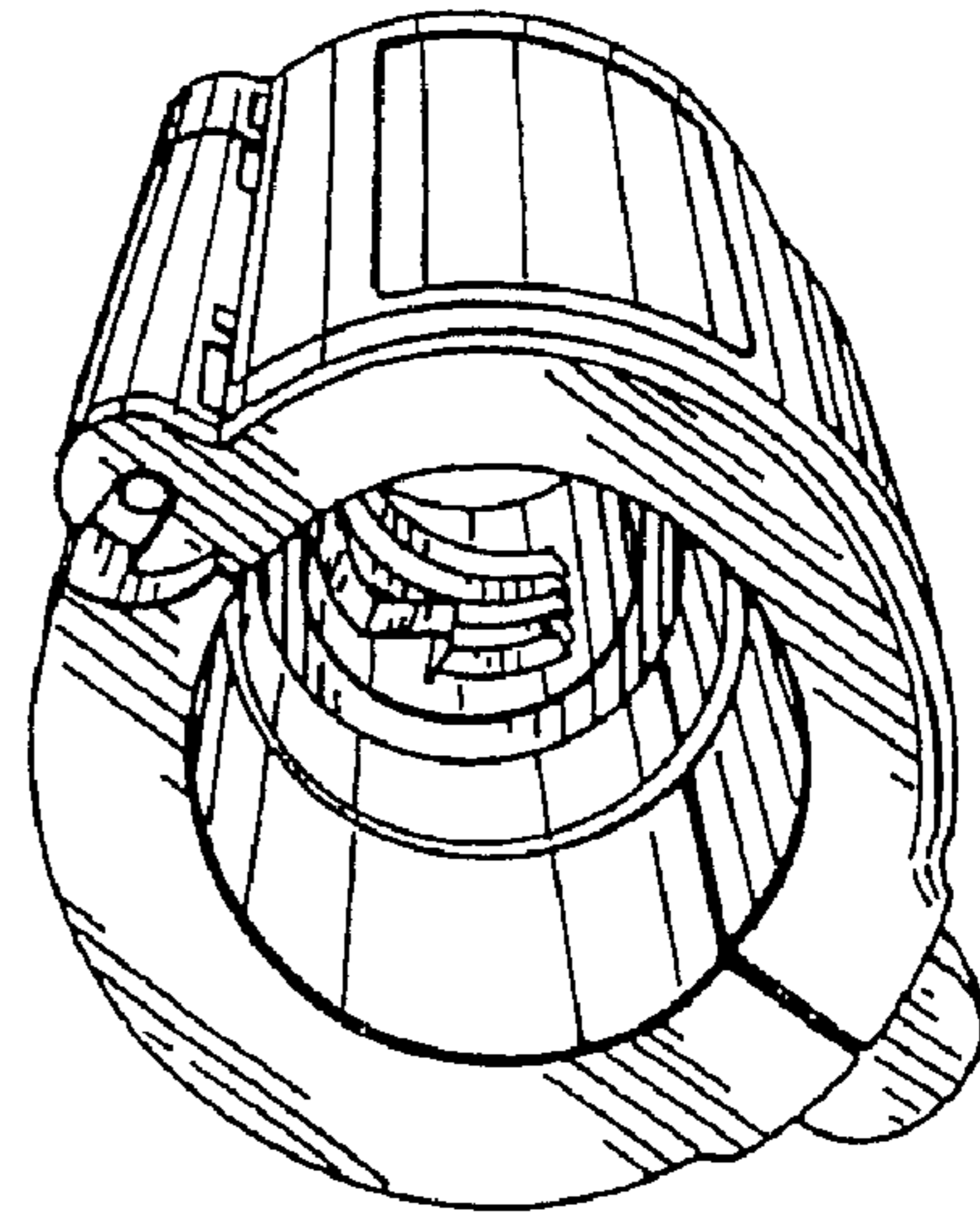


FIG. 5

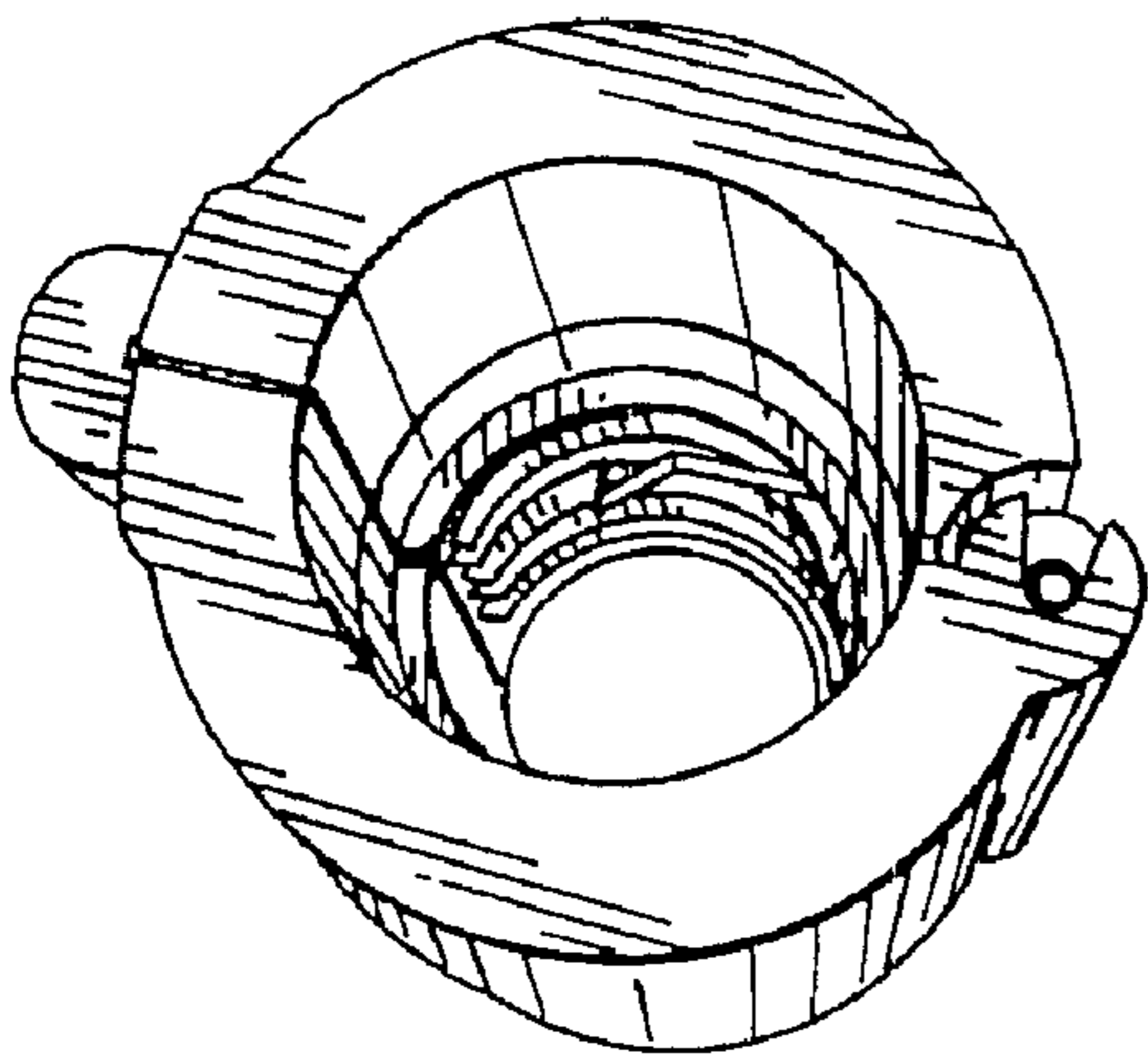


FIG. 6

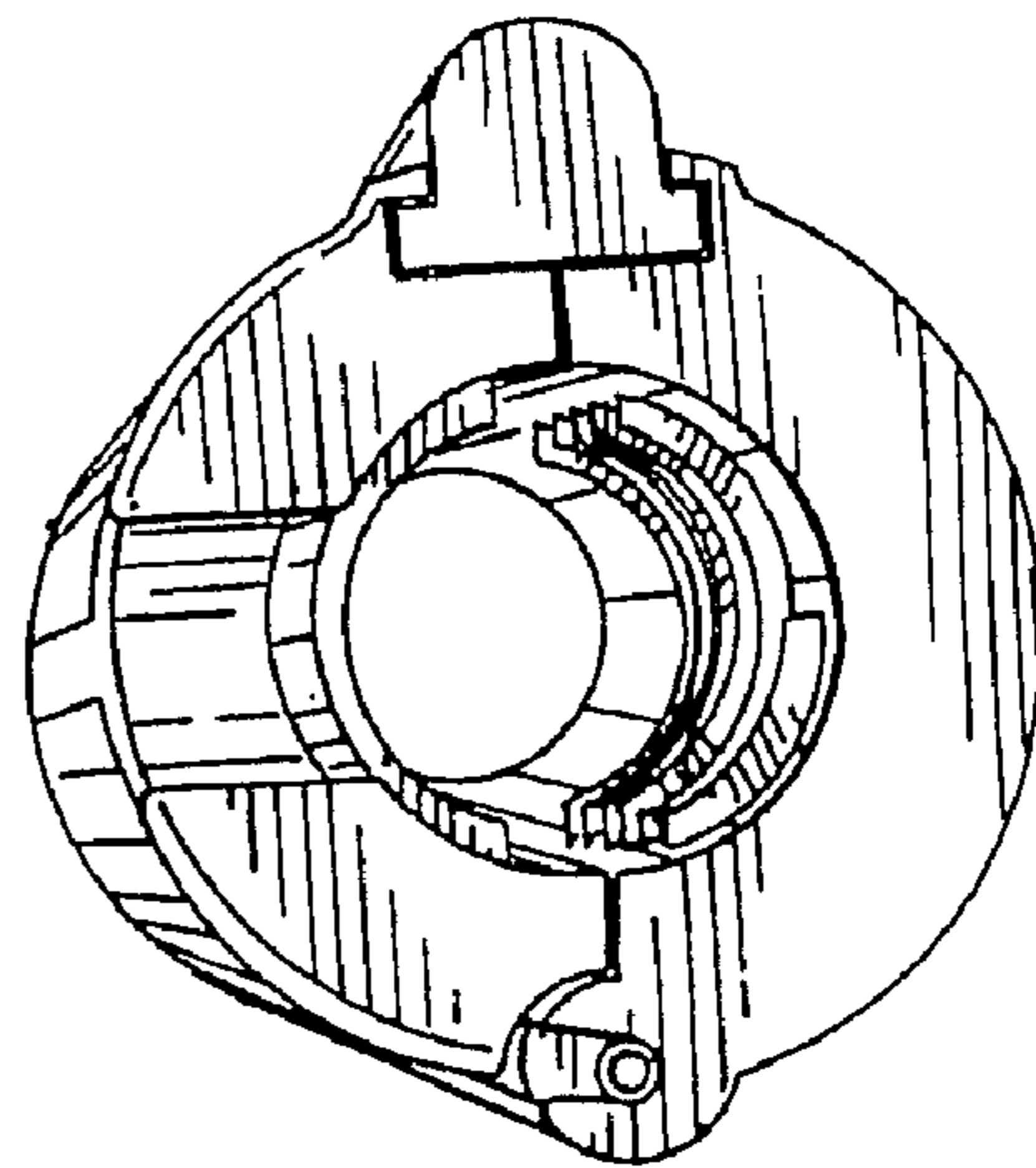


FIG. 7

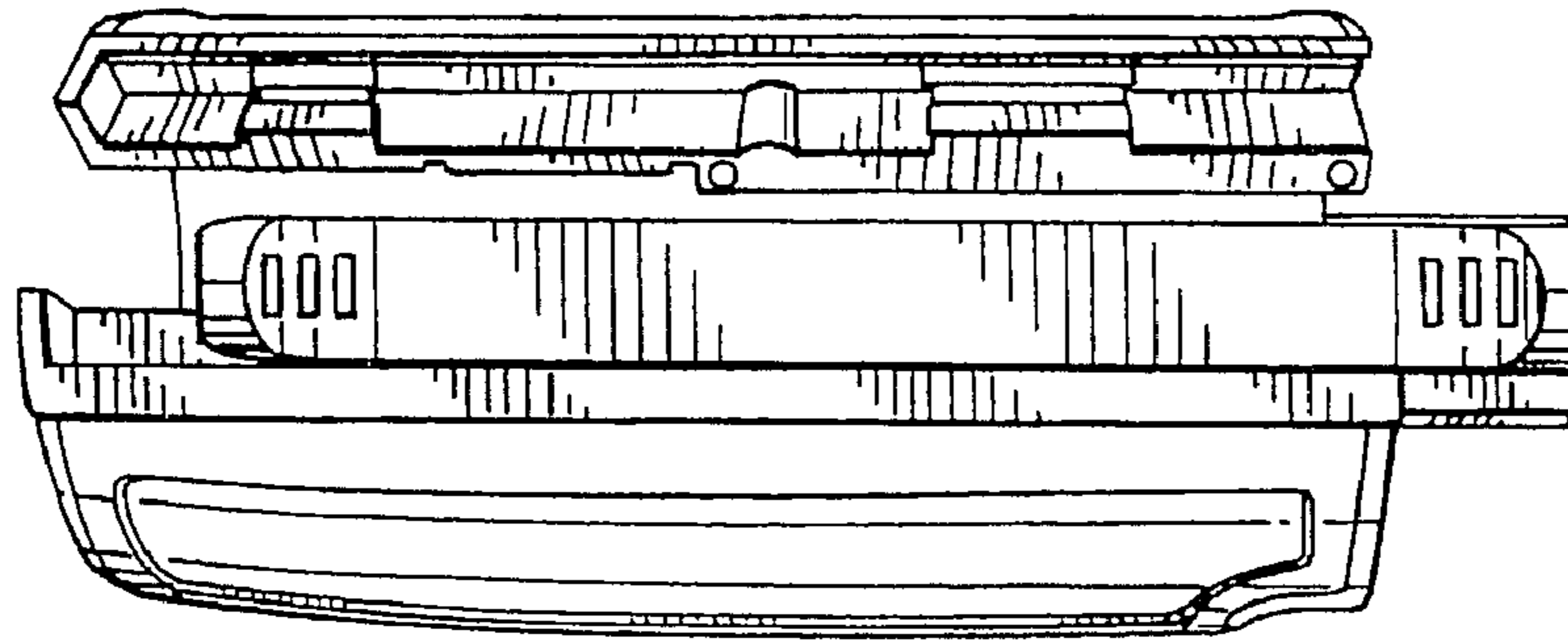


FIG. 8

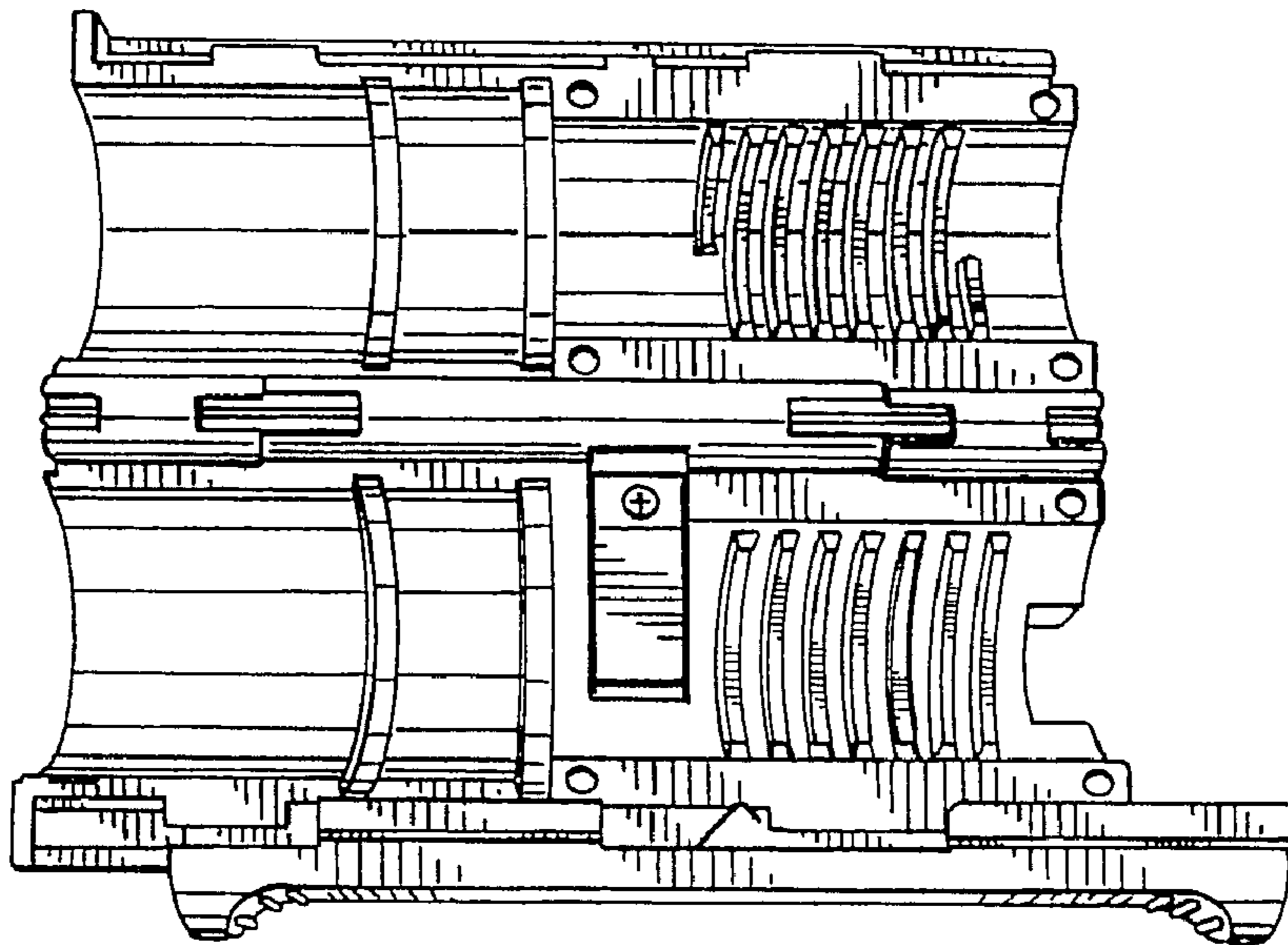


FIG. 9

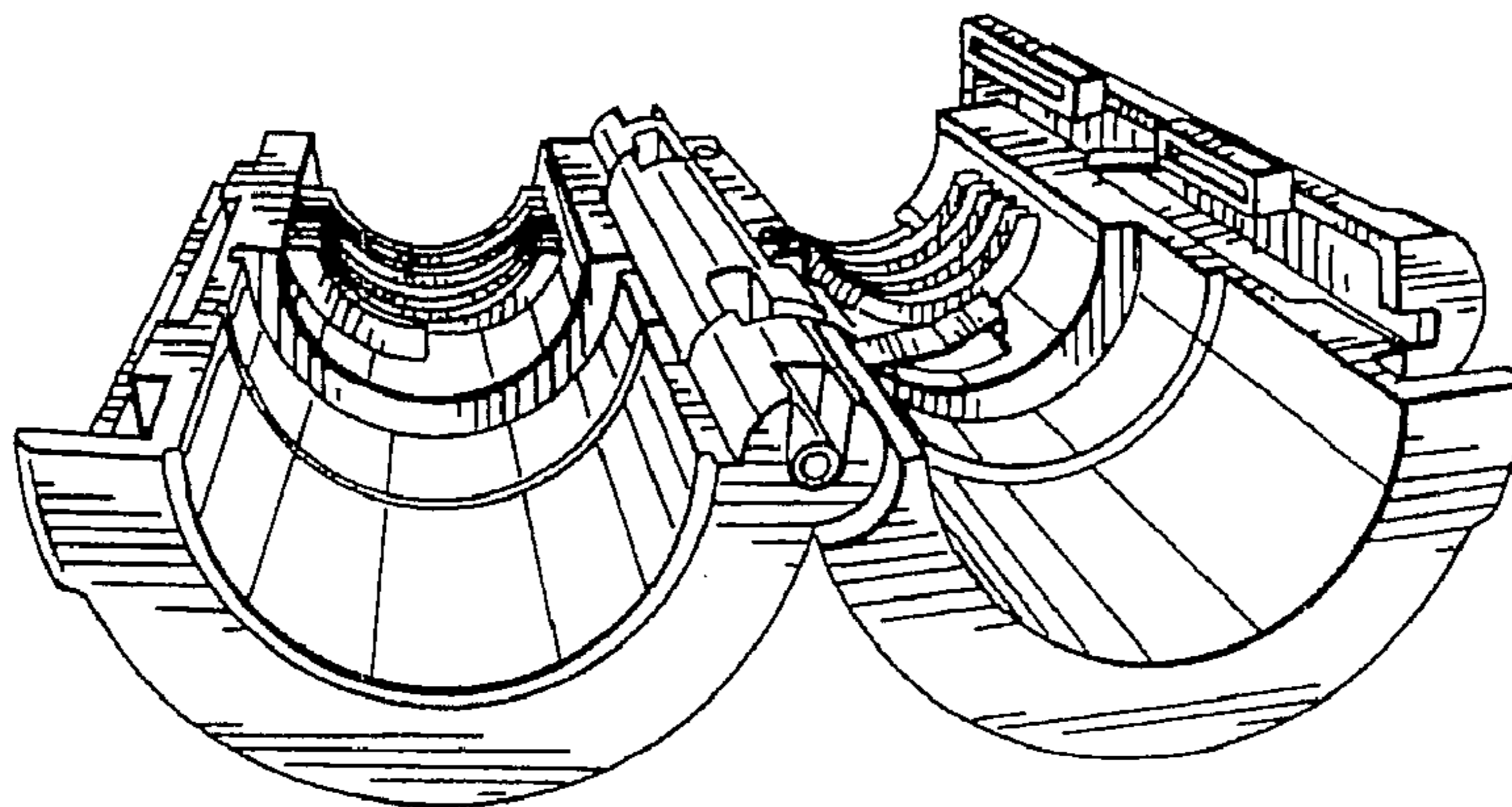


FIG. 10

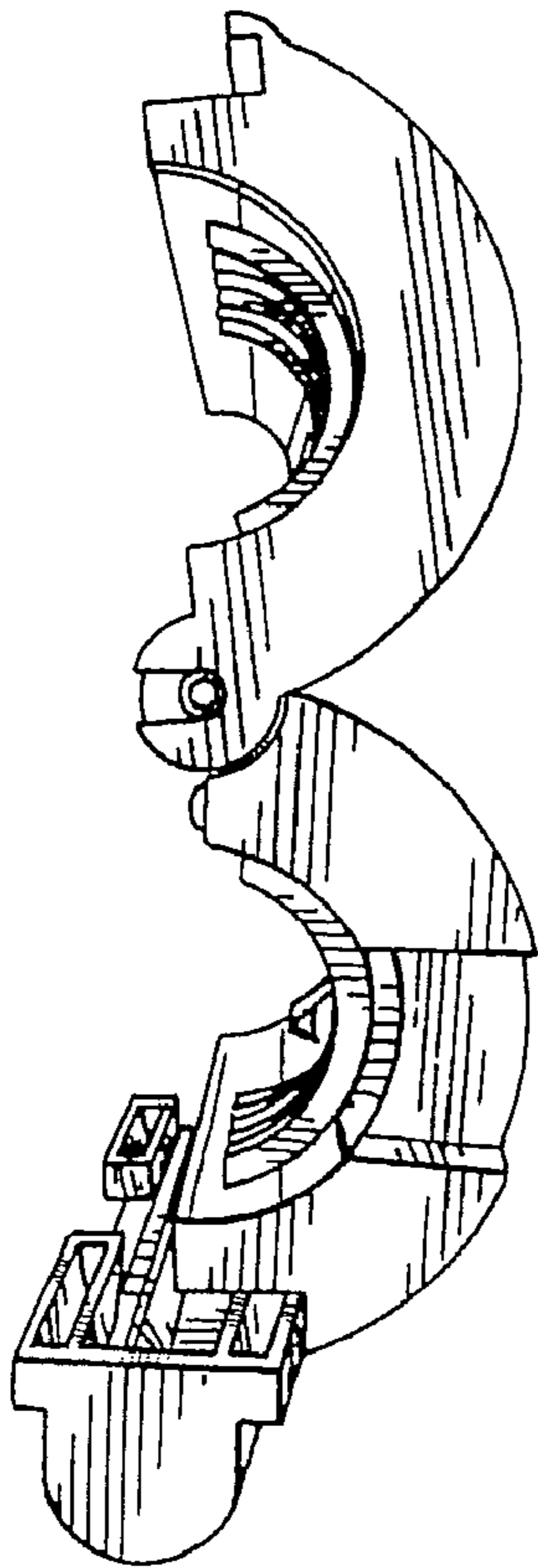


FIG. 11

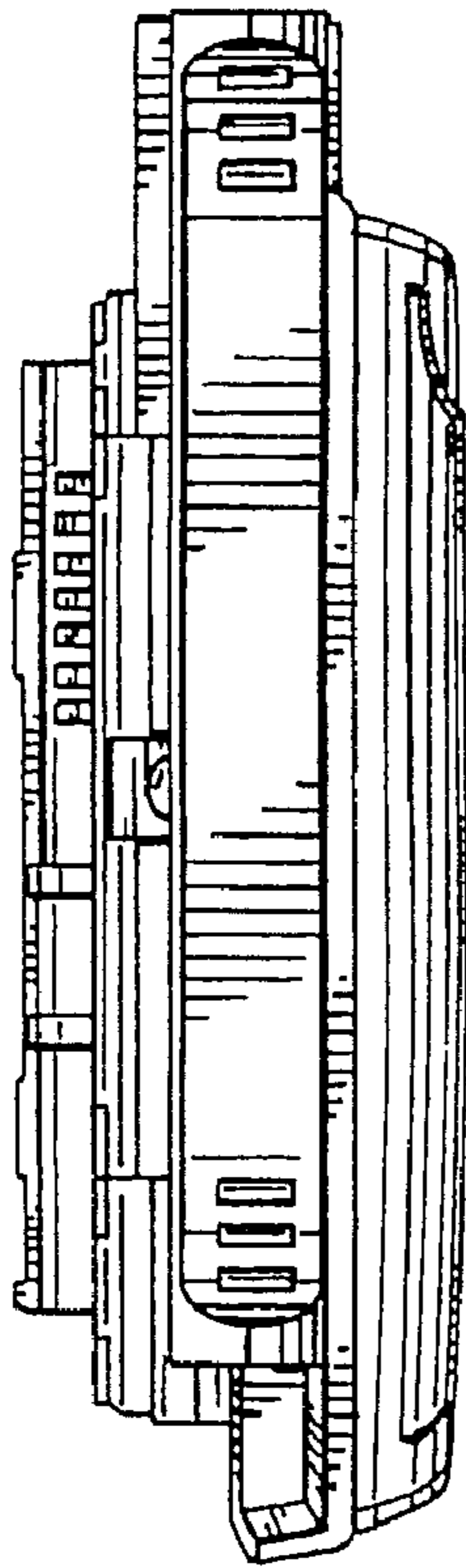


FIG. 12

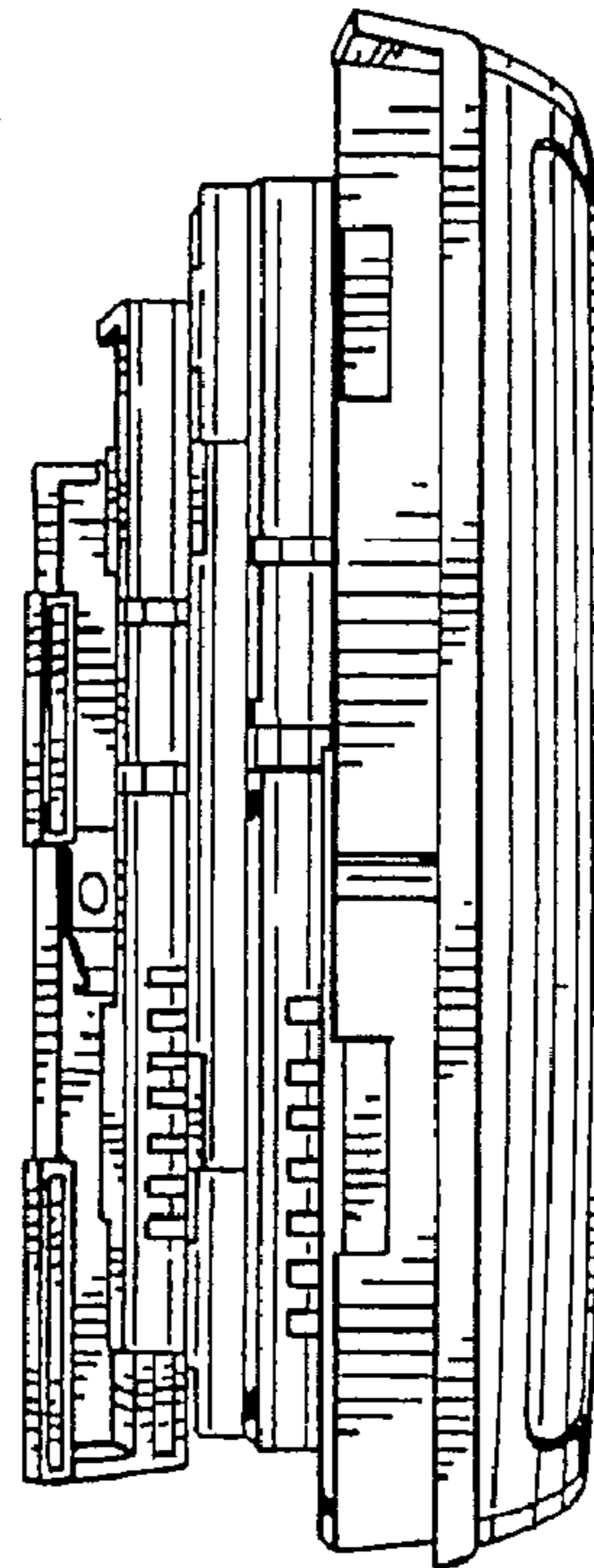


FIG. 13

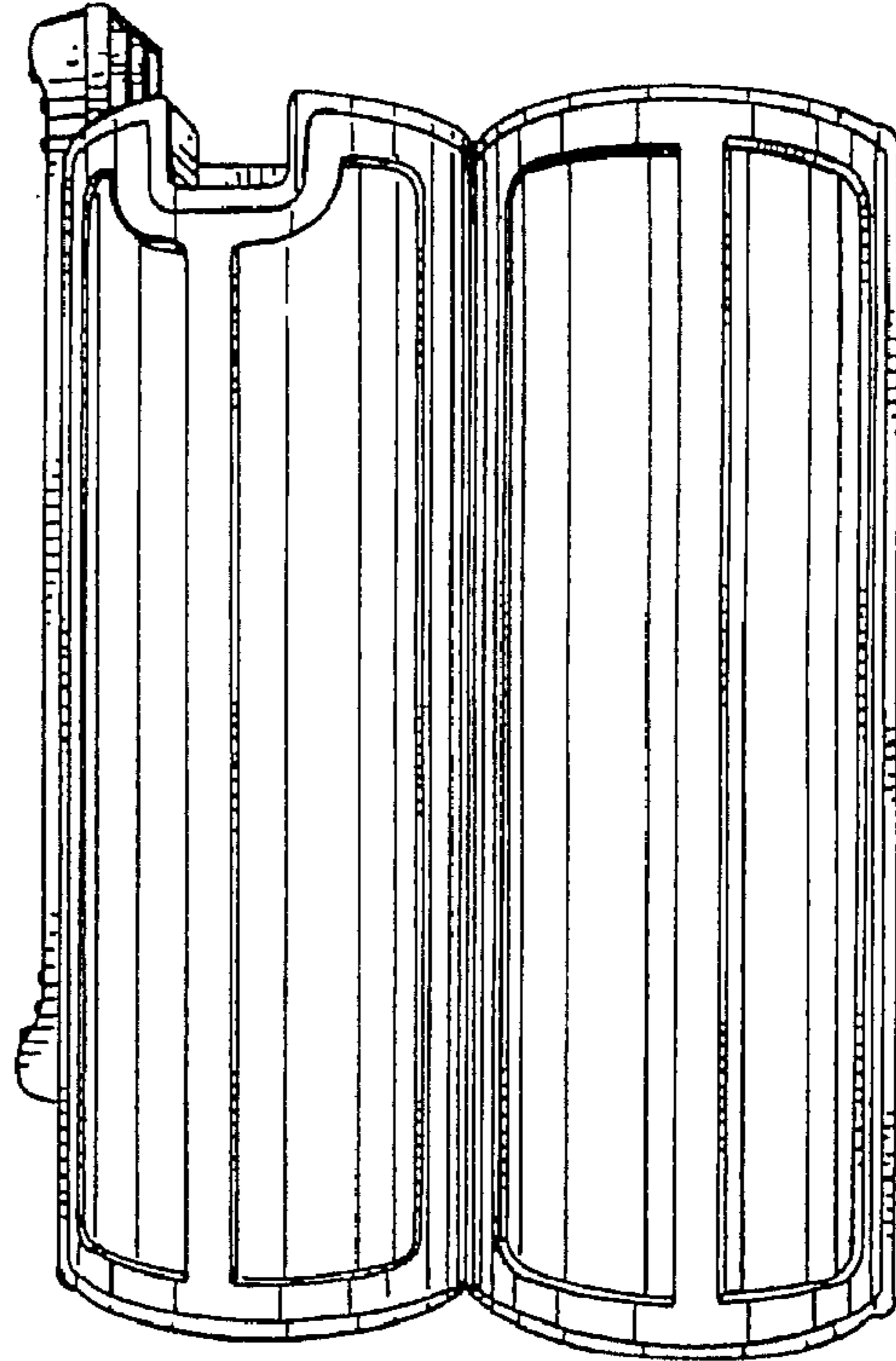


FIG. 14