



US00D521614S

(12) **United States Design Patent**
Kitagawa

(10) **Patent No.:** **US D521,614 S**
(45) **Date of Patent:** **** May 23, 2006**

(54) **FEMALE COUPLER OF PIPE COUPLING**

(75) Inventor: **Hiroyuki Kitagawa**, Tokyo (JP)

(73) Assignee: **Nitto Kohki Co., Ltd.**, Tokyo (JP)

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

(21) Appl. No.: **29/205,279**

(22) Filed: **May 12, 2004**

(30) **Foreign Application Priority Data**

Dec. 18, 2003 (JP) 2003-037406

(51) **LOC (8) Cl.** **23-01**

(52) **U.S. Cl.** **D23/262**

(58) **Field of Classification Search** D23/259,
D23/262; 285/305, 275, 277, 381, 353, 253,
285/257; 251/150, 149.1

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,493,271 A 1/1950 Smith et al.
3,188,123 A * 6/1965 Hansen 285/277
5,050,841 A 9/1991 Jacobsson
5,681,027 A 10/1997 Wuethrich
D406,881 S * 3/1999 Kuwabara D23/262

D442,267 S * 5/2001 Kouda D23/262
6,422,267 B1 7/2002 Makishima et al.
D482,761 S * 11/2003 Gotoh et al. D23/262
D483,096 S * 12/2003 Gotoh et al. D23/262
6,899,132 B1 5/2005 Mikiya et al.

FOREIGN PATENT DOCUMENTS

DE 1 265 515 4/1968
JP 1187400 10/2003

* cited by examiner

Primary Examiner—Robin Webster

(74) *Attorney, Agent, or Firm*—Brinks Hofer Gilson & Lione

(57) **CLAIM**

I claim, the ornamental design for a female coupler of pipe coupling, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a female coupler of pipe coupling of the present invention;

FIG. 2 is a top view thereof;

FIG. 3 is a bottom view thereof;

FIG. 4 is a first side view thereof; and,

FIG. 5 is a second side view thereof.

1 Claim, 3 Drawing Sheets

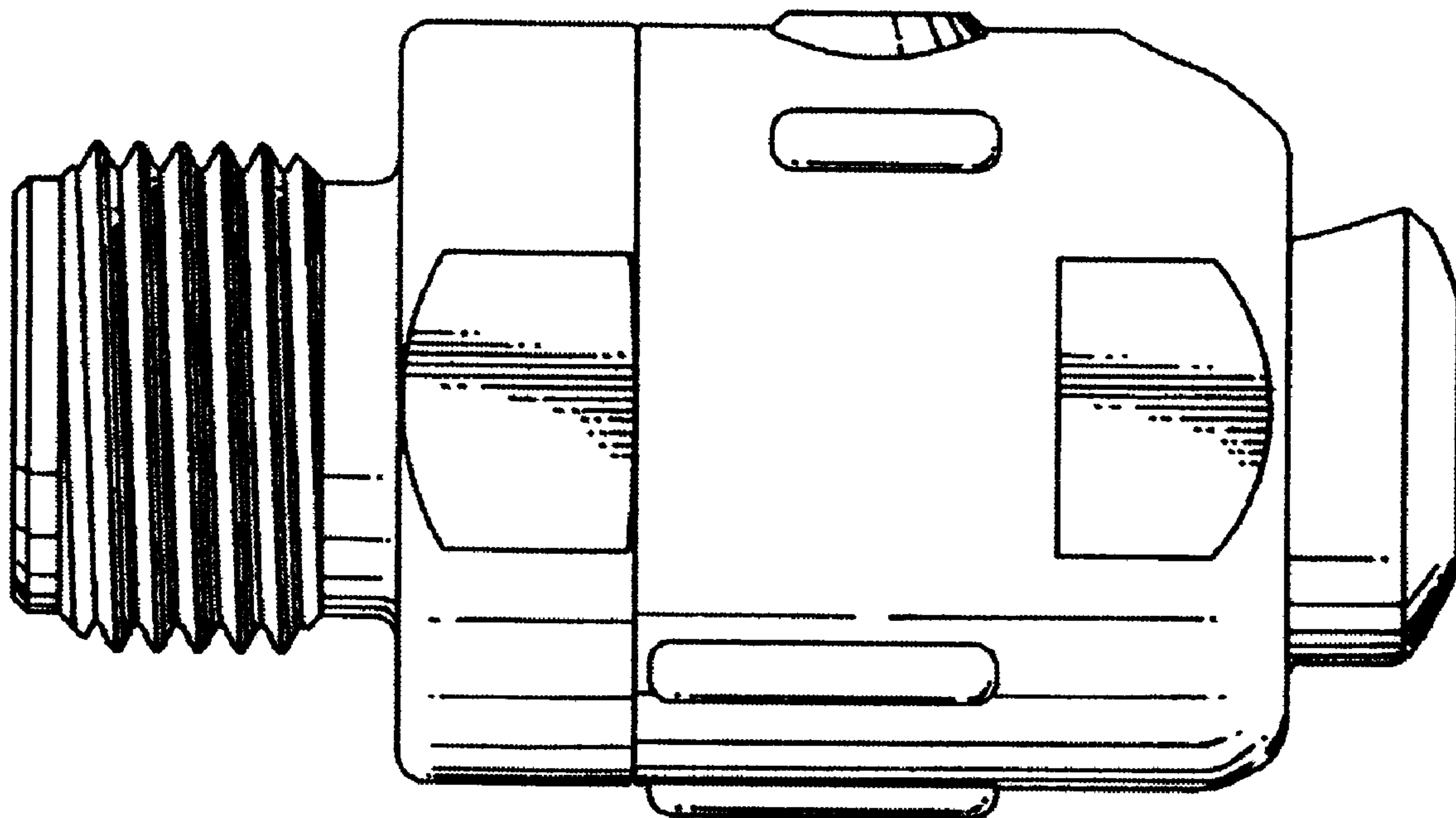


Fig. 1

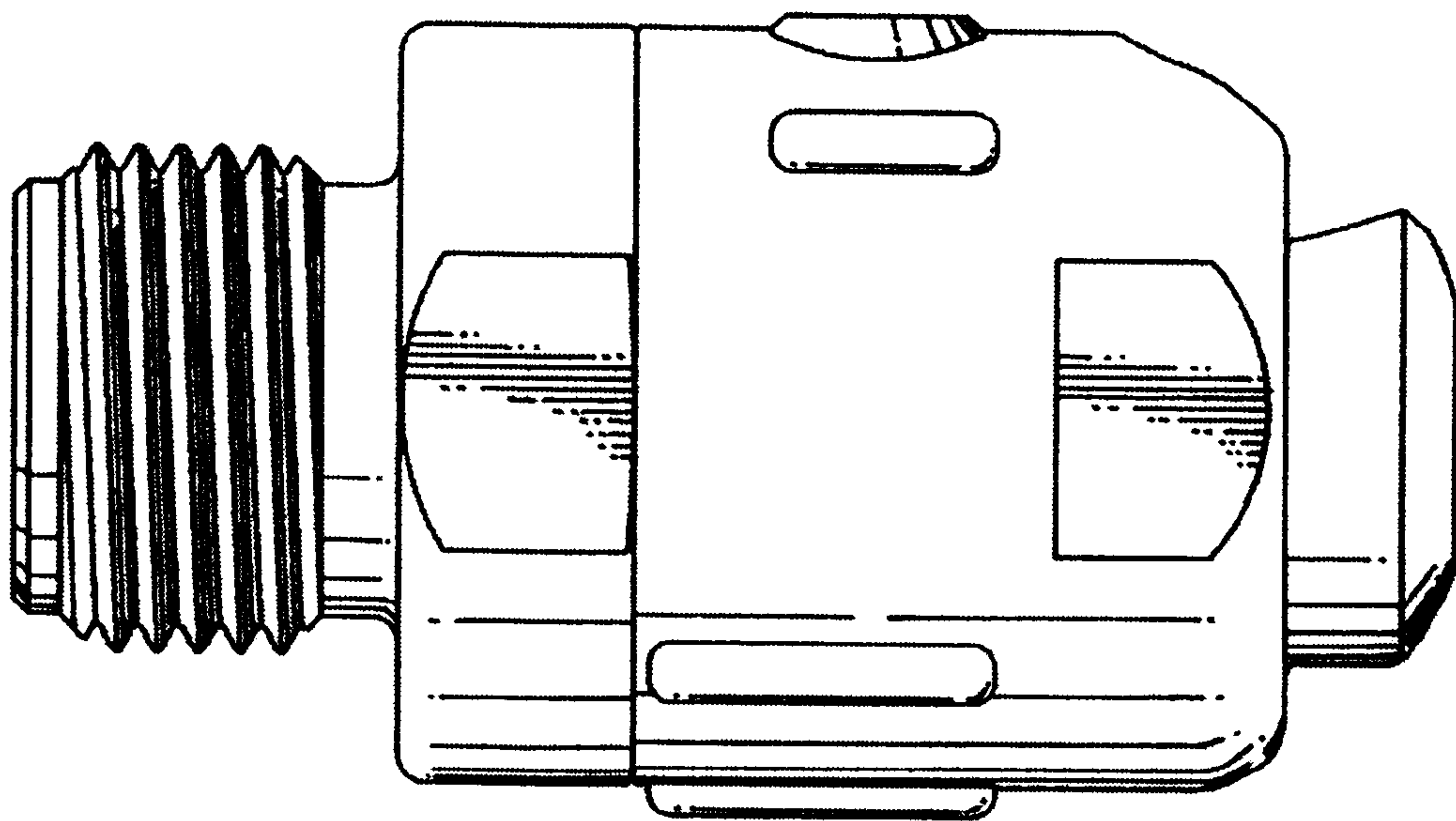


Fig. 2

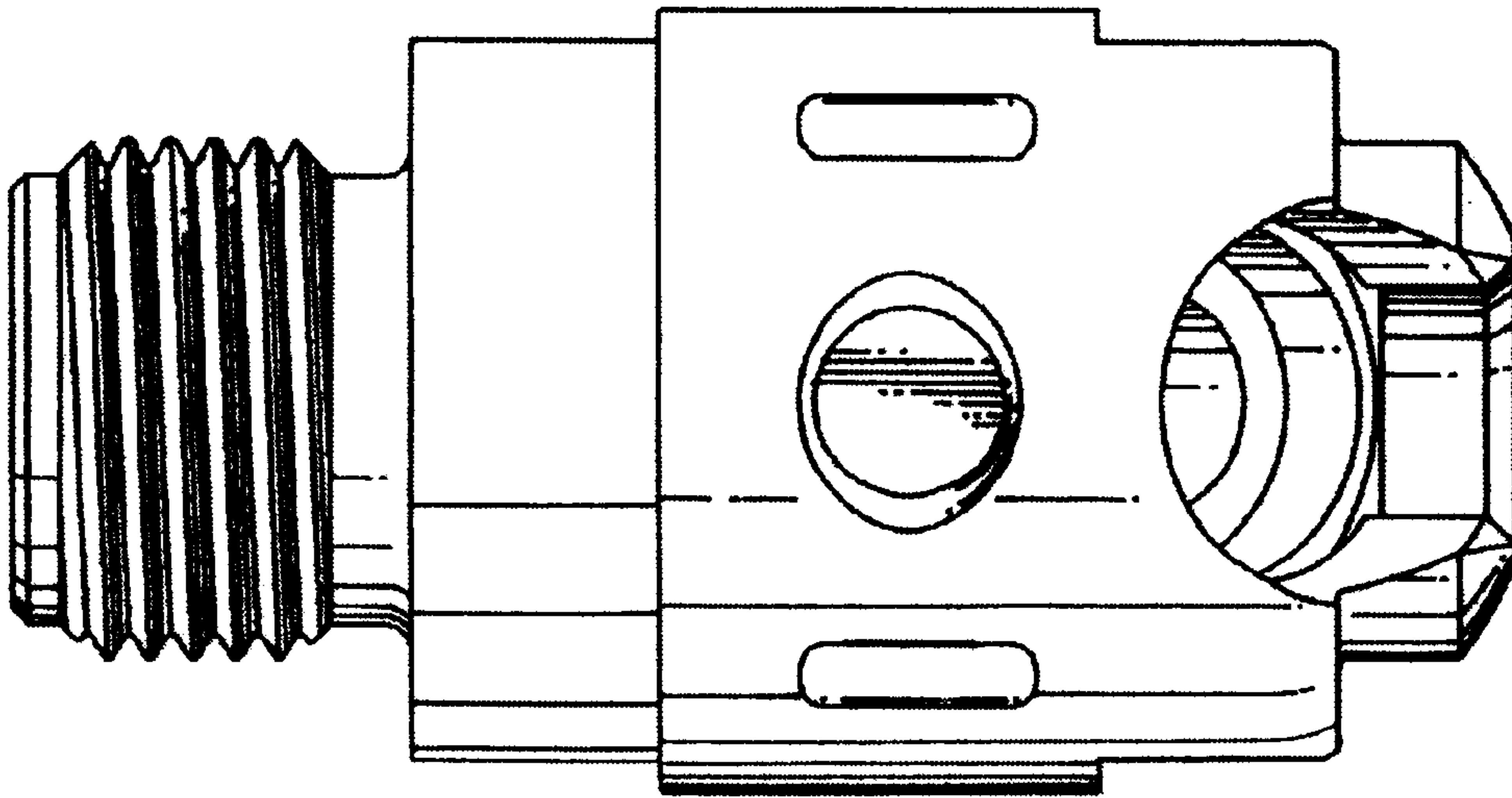


Fig. 3

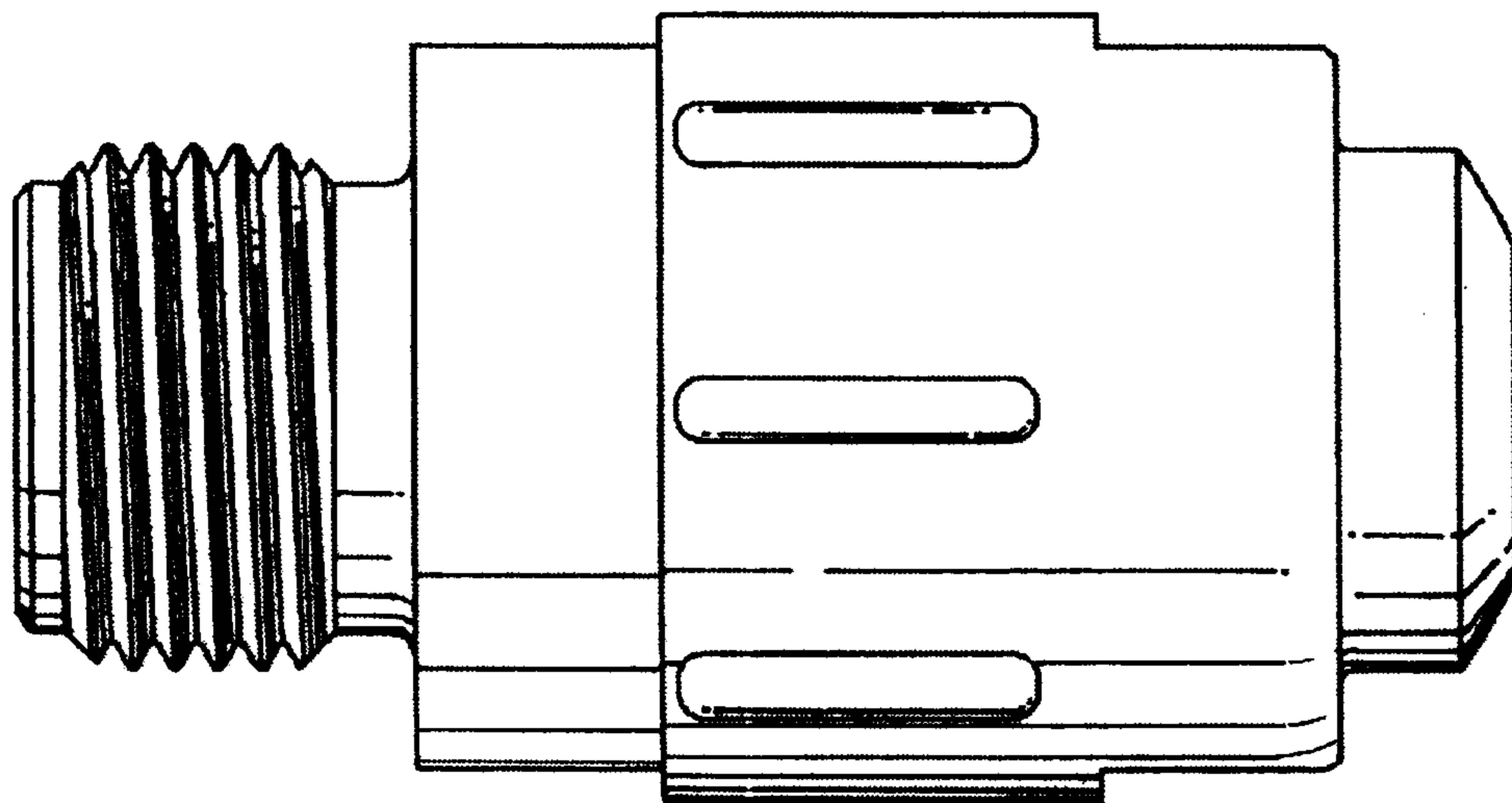


Fig. 4

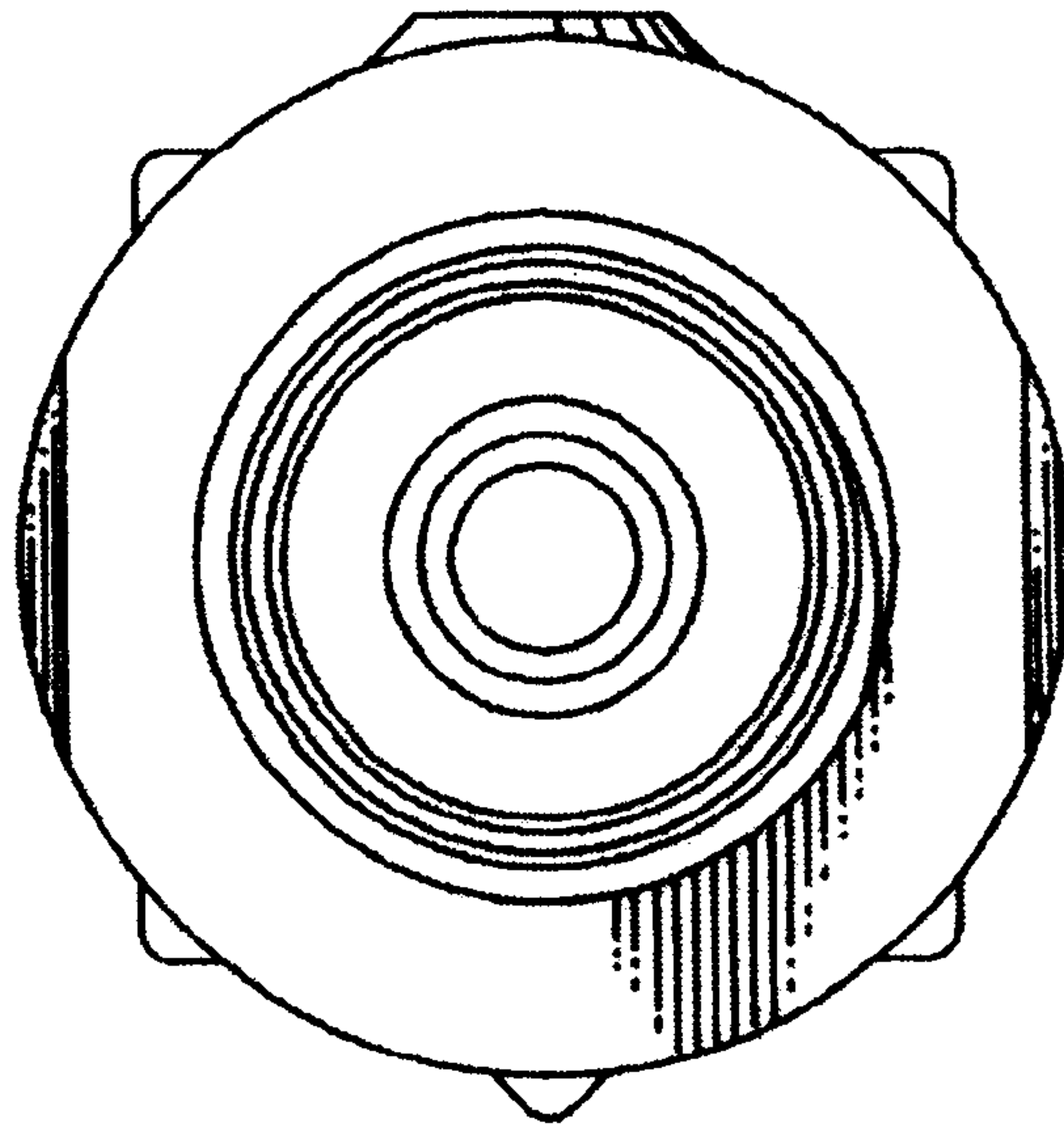


Fig. 5

