



US00D557788S

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

(10) **Patent No.:** **US D557,788 S**

(45) **Date of Patent:** **** Dec. 18, 2007**

(54) **AIR-FLOW TRANSDUCER WITH FLOW
RESISTOR AND
PRESSURE-COMPENSATING ELEMENT**

(75) Inventor: **Mikko Eloranta**, Kuopio (FI)

(73) Assignee: **Welch Allyn, Inc.**, Skaneateles Falls,
NY (US)

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

(21) Appl. No.: **29/266,525**

(22) Filed: **Sep. 22, 2006**

(51) **LOC (8) Cl.** **29-02**

(52) **U.S. Cl.** **D23/386; 24/110; 24/110.5**

(58) **Field of Classification Search** D23/386,
D23/364, 355, 362, 352, 366, 332, 335, 336;
D24/110, 110.5, 129; 600/538, 540; 128/200.12,
128/201.26, 203.23, 206.29; 422/120, 122;
55/356, 473, 504; D21/411

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D266,695 S *	10/1982	Trammll et al.	D24/110
D290,657 S *	6/1987	Lindholm	D24/110
D300,438 S *	3/1989	Berghash et al.	D21/411
D326,715 S *	6/1992	Schmidt	D24/129
5,560,371 A *	10/1996	Carvalho da Silva	600/538
D413,825 S *	9/1999	Storsved	D24/129
6,004,277 A *	12/1999	Maharaj et al.	600/538
D433,128 S *	10/2000	Winefordner et al. ..	D24/110.5
D441,859 S *	5/2001	Pera	D24/110

D448,076 S *	9/2001	von Schuckmann	D24/110
D450,381 S *	11/2001	Weinstein et al.	D24/110
D463,544 S *	9/2002	Engelbreth et al.	D24/110
D473,598 S *	4/2003	Izen et al.	D21/411
D476,413 S *	6/2003	Pearce et al.	D24/110.5
D480,806 S *	10/2003	Engelbreth et al.	D24/110.5
D497,426 S *	10/2004	Hirsch et al.	D24/129
D528,655 S *	9/2006	Clawson	D24/110.5
2006/0217627 A1 *	9/2006	Nuttall	600/538

* cited by examiner

Primary Examiner—Ian Simmons

Assistant Examiner—David G. Muller

(57) **CLAIM**

The ornamental design for an air-flow transducer with a flow resistor and a pressure-compensating element, as shown and described.

DESCRIPTION

FIG. 1 is a first isometric top view of an embodiment of the design.

FIG. 2 is a second isometric top view of an embodiment of the design.

FIG. 3 is an end view of an embodiment of the design.

FIG. 4 is a top view of an embodiment of the design.

FIG. 5 is a bottom view of an embodiment of the design.

FIG. 6 is a side view of an embodiment of the design; and,

FIG. 7 is a cross sectional view taken along line 7—7 in FIG. 4.

1 Claim, 7 Drawing Sheets

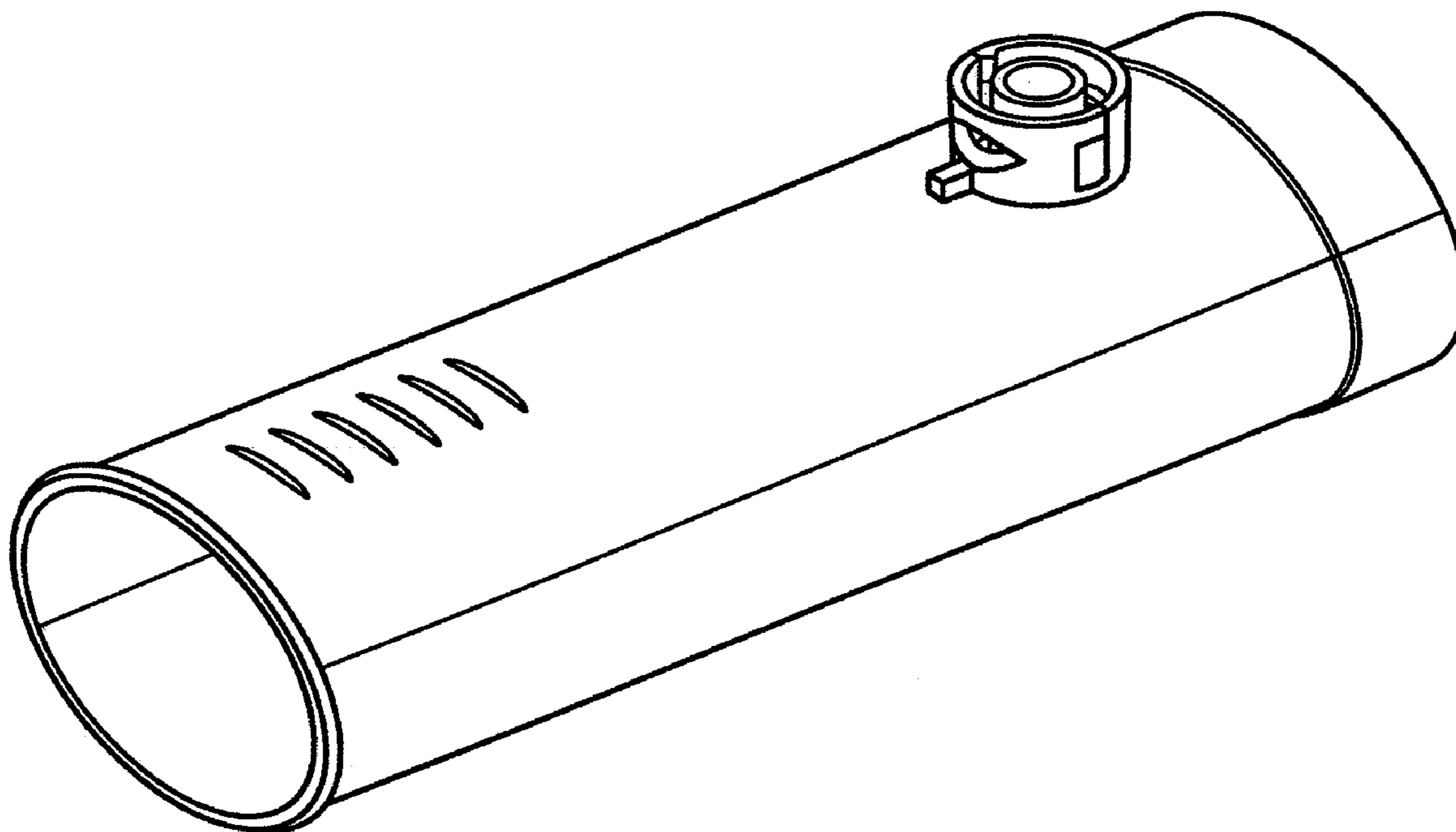


Fig. 1

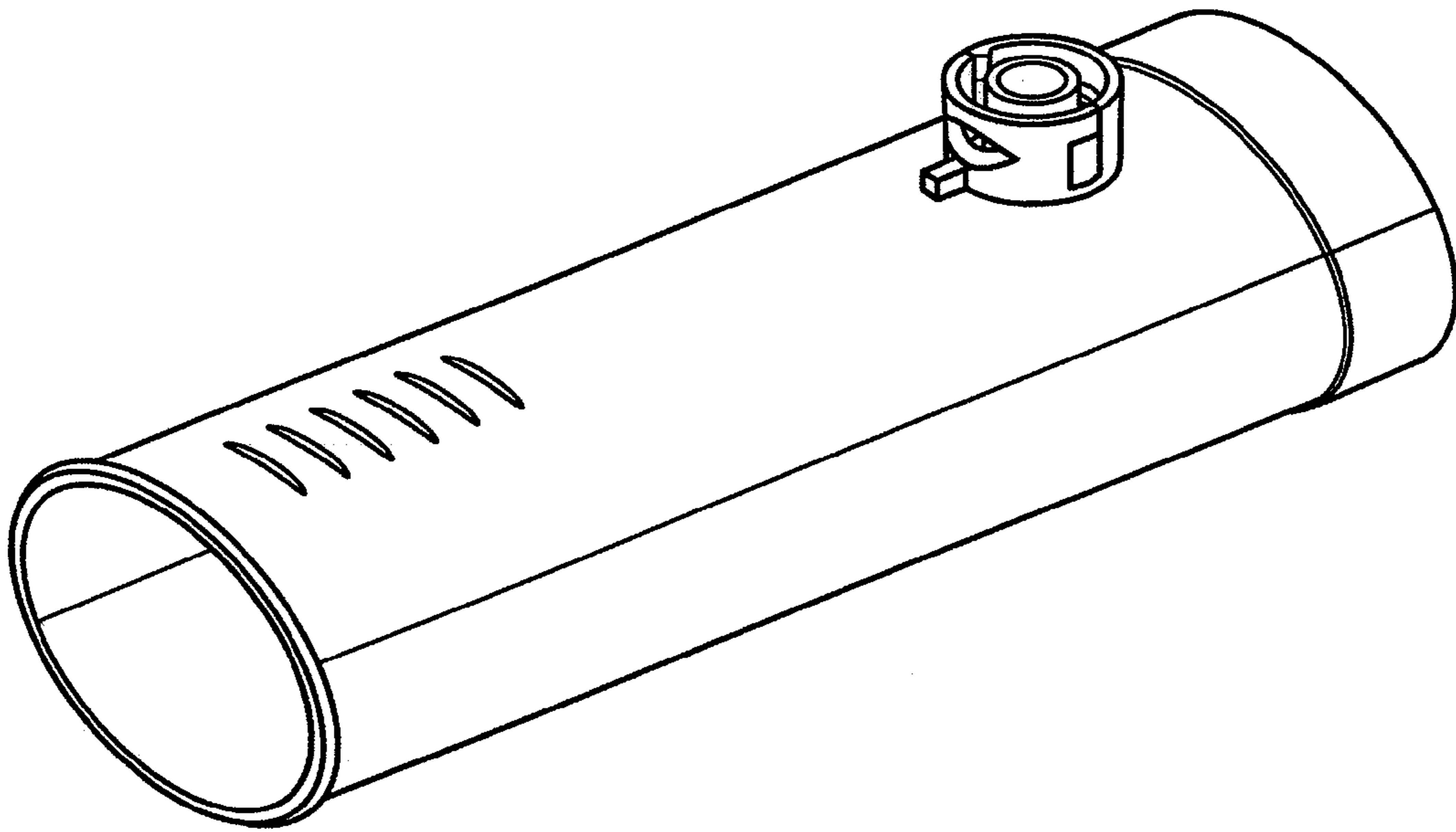


Fig. 2

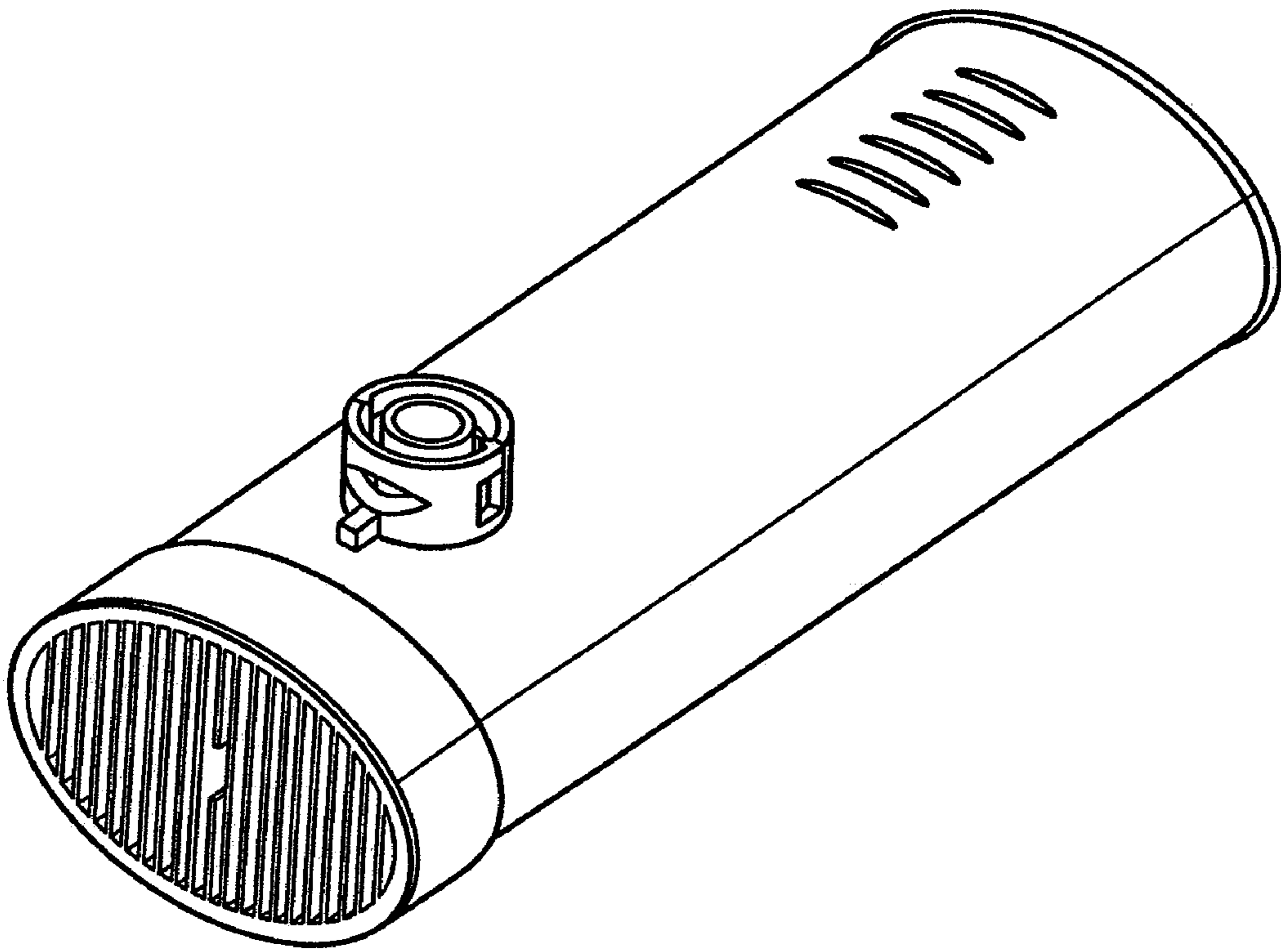


Fig. 3

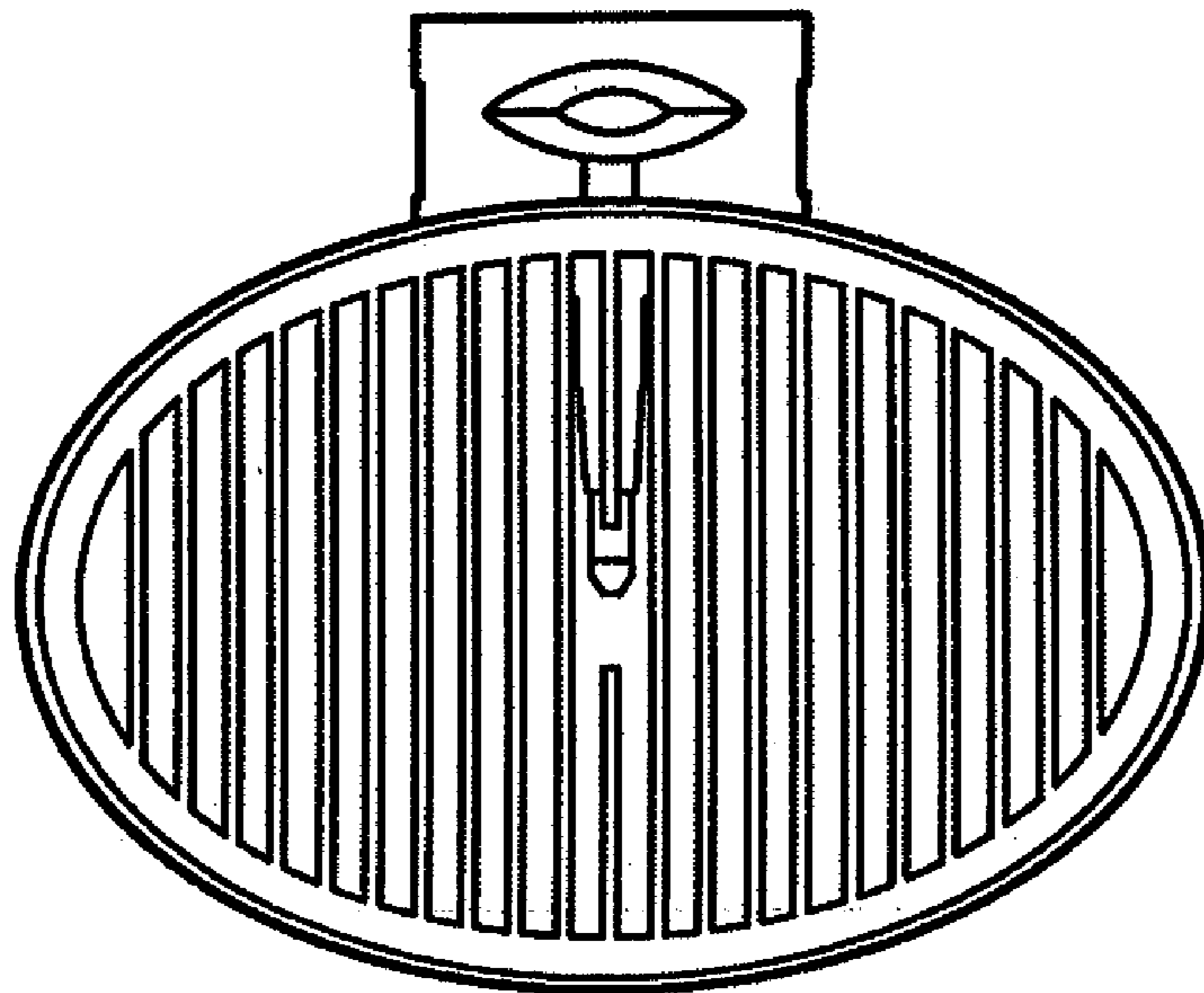


Fig. 4

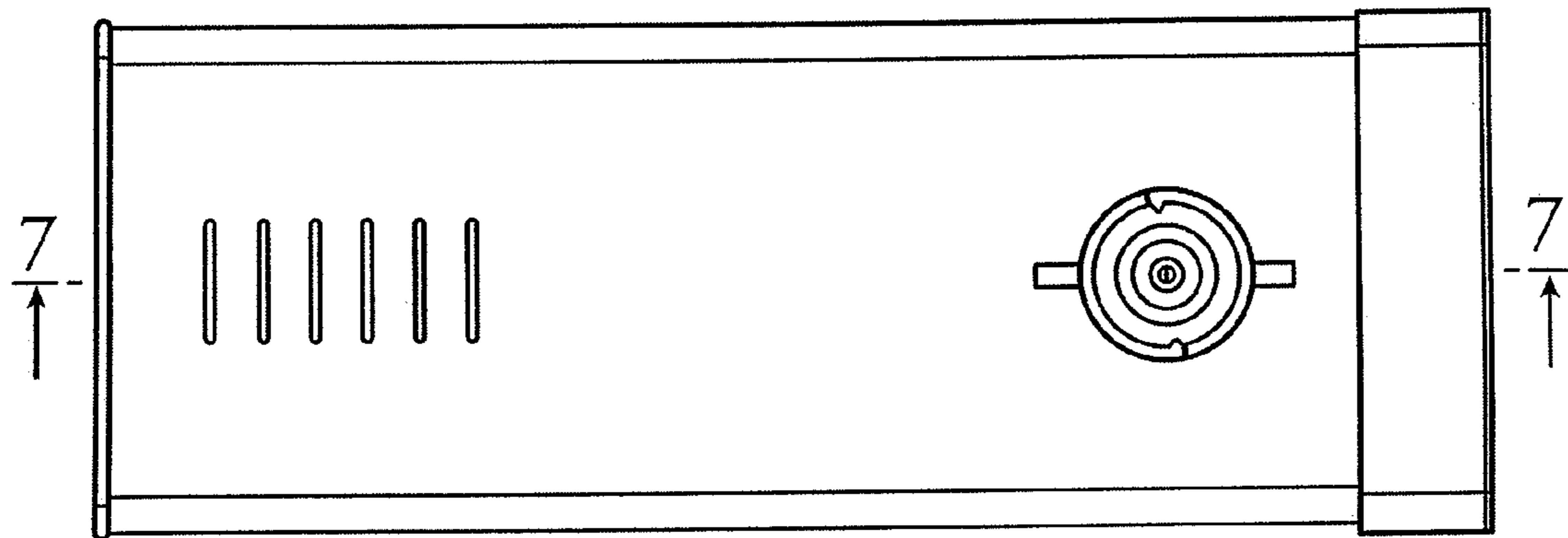


Fig. 5

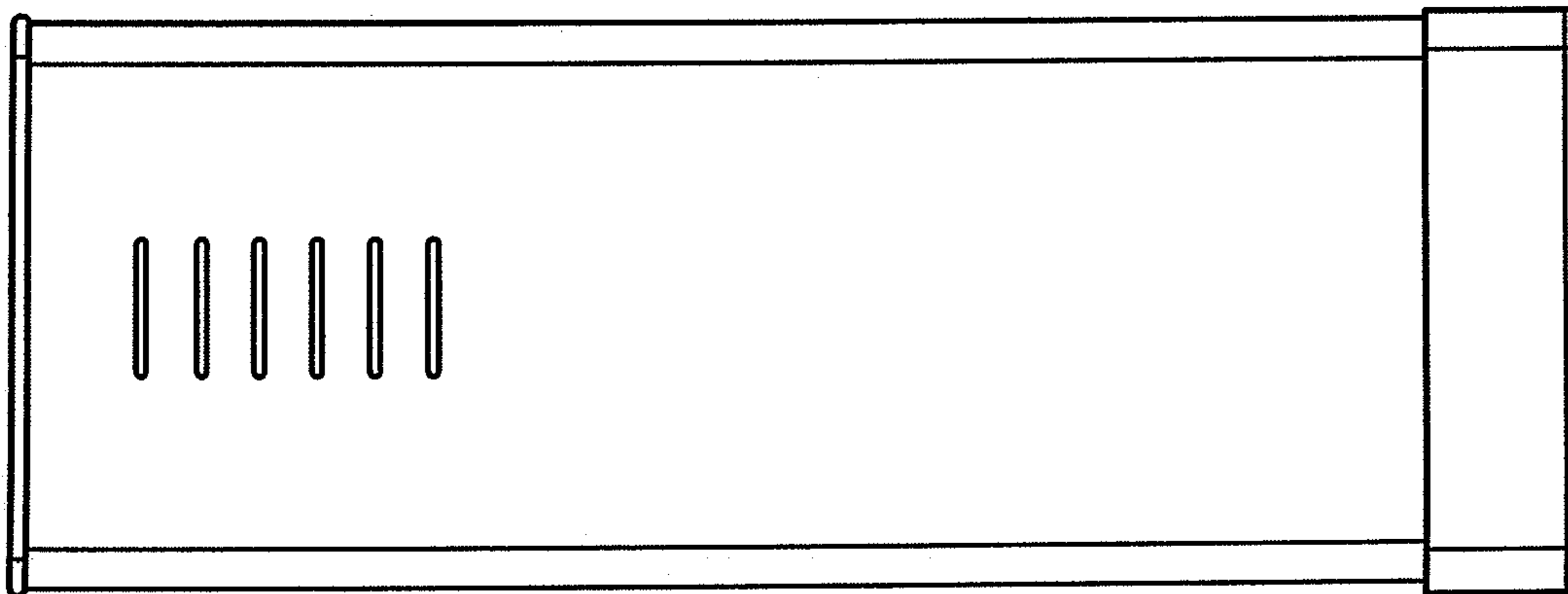


Fig. 6

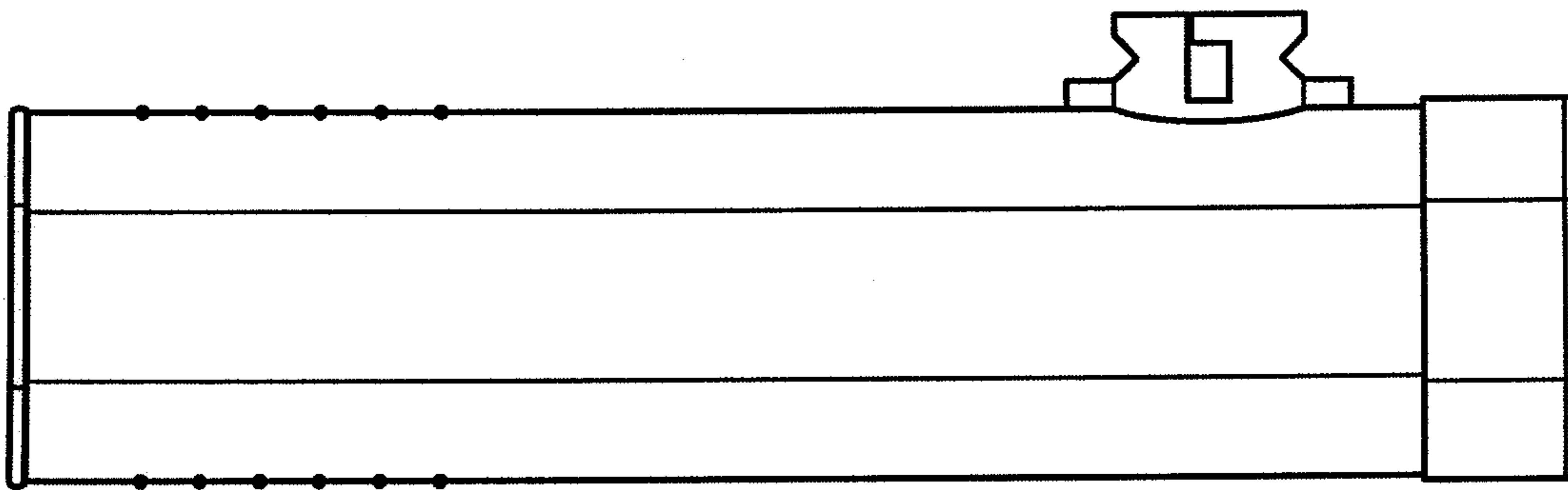


Fig. 7

