



US00D919096S

(12) **United States Design Patent** (10) **Patent No.:** **US D919,096 S**
Hong (45) **Date of Patent:** **** May 11, 2021**

(54) **REFRACTOR**

(71) Applicant: **ESSILOR INTERNATIONAL,**
Charenton-le-Pont (FR)

(72) Inventor: **Olivier Hong,** Bailly (FR)

(73) Assignee: **ESSILOR INTERNATIONAL,**
Charenton-le-Pont (FR)

(**) Term: **15 Years**

(21) Appl. No.: **35/507,064**

(22) Filed: **Dec. 21, 2018**

(80) **Hague Agreement Data**

Int. Filing Date: **Dec. 21, 2018**

Int. Reg. No.: **DM/201785**

Int. Reg. Date: **Dec. 21, 2018**

Int. Reg. Pub. Date: **Jul. 12, 2019**

(30) **Foreign Application Priority Data**

Sep. 27, 2018 (EM) 005663242

(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/172**

(58) **Field of Classification Search**

USPC D24/150, 172; D16/100, 130, 136, 300,
D16/303, 317, 322, 330, 332-338, 900;
D10/46

CPC A61B 3/0285; A61B 3/036; A61B 3/04;
Y10T 74/1441; G02C 13/003; G02C
7/086; G02C 7/088

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,995,065 A * 8/1961 Wright A61B 3/0285
351/235

4,820,040 A * 4/1989 Sims A61B 3/0285
351/234

4,840,479 A * 6/1989 Sims A61B 3/0285
351/234

4,943,162 A * 7/1990 Sims A61B 3/0285
351/234

D344,587 S * 2/1994 Burton D24/172
(Continued)

OTHER PUBLICATIONS

Vision R 800 Launch Video https://www.youtube.com/watch?v=1Khuk0_WHPI May 30, 2018 (Year: 2018).*

Primary Examiner — Samantha Q Lawrence

(74) *Attorney, Agent, or Firm* — Ladas & Parry LLP

(57) **CLAIM**

The ornamental design for a refractor, as shown and described.

DESCRIPTION

1.-2. Refractor

Figure 1.1 is a perspective view of a first embodiment of a refractor;

Figure 1.2 is a front view thereof;

Figure 1.3 is a back view thereof;

Figure 1.4 is a left side view thereof;

Figure 1.5 is right side view thereof;

Figure 1.6 is a top view thereof;

Figure 1.7 is a bottom view thereof;

Figure 2.1 is a perspective view of a second embodiment of a refractor;

Figure 2.2 is a front view thereof;

Figure 2.3 is a back view thereof;

Figure 2.4 is a left side view thereof;

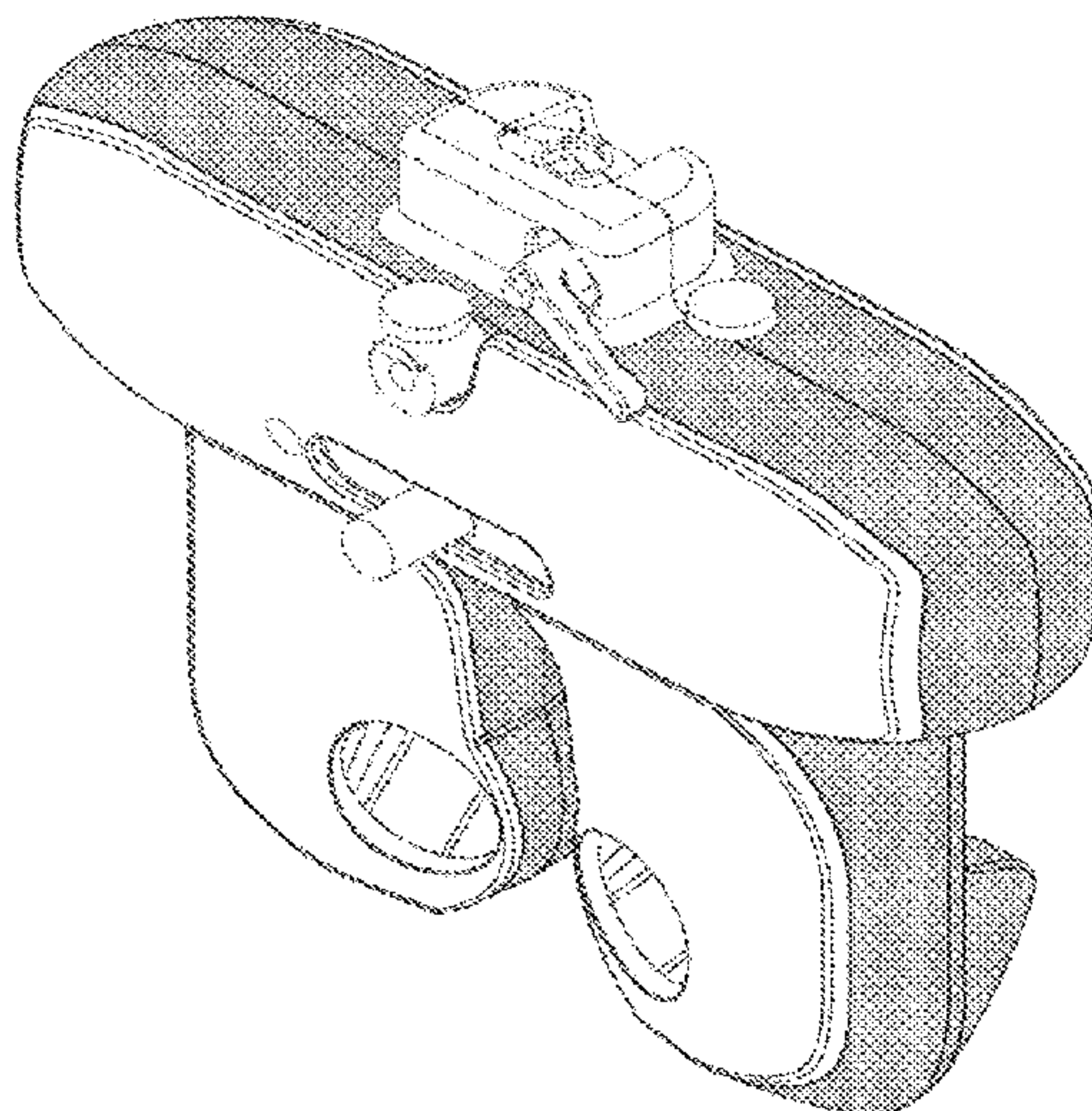
Figure 2.5 is right side view thereof;

Figure 2.6 is a top view thereof; and

Figure 2.7 is a bottom view thereof.

The broken lines shown in Figs 1.7 and 2.7 illustrate portions of the refractor that form no part of the claimed design.

1 Claim, 14 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

6,692,128	B2 *	2/2004	Goris		A61B 3/0285
					351/234
6,698,888	B2 *	3/2004	Goris		A61B 3/0285
					351/233
D550,845	S *	9/2007	Yamaoka		D24/172
D559,709	S *	1/2008	Feiertag		D10/46
7,438,416	B2 *	10/2008	Hayashi		A61B 3/04
					351/235

* cited by examiner

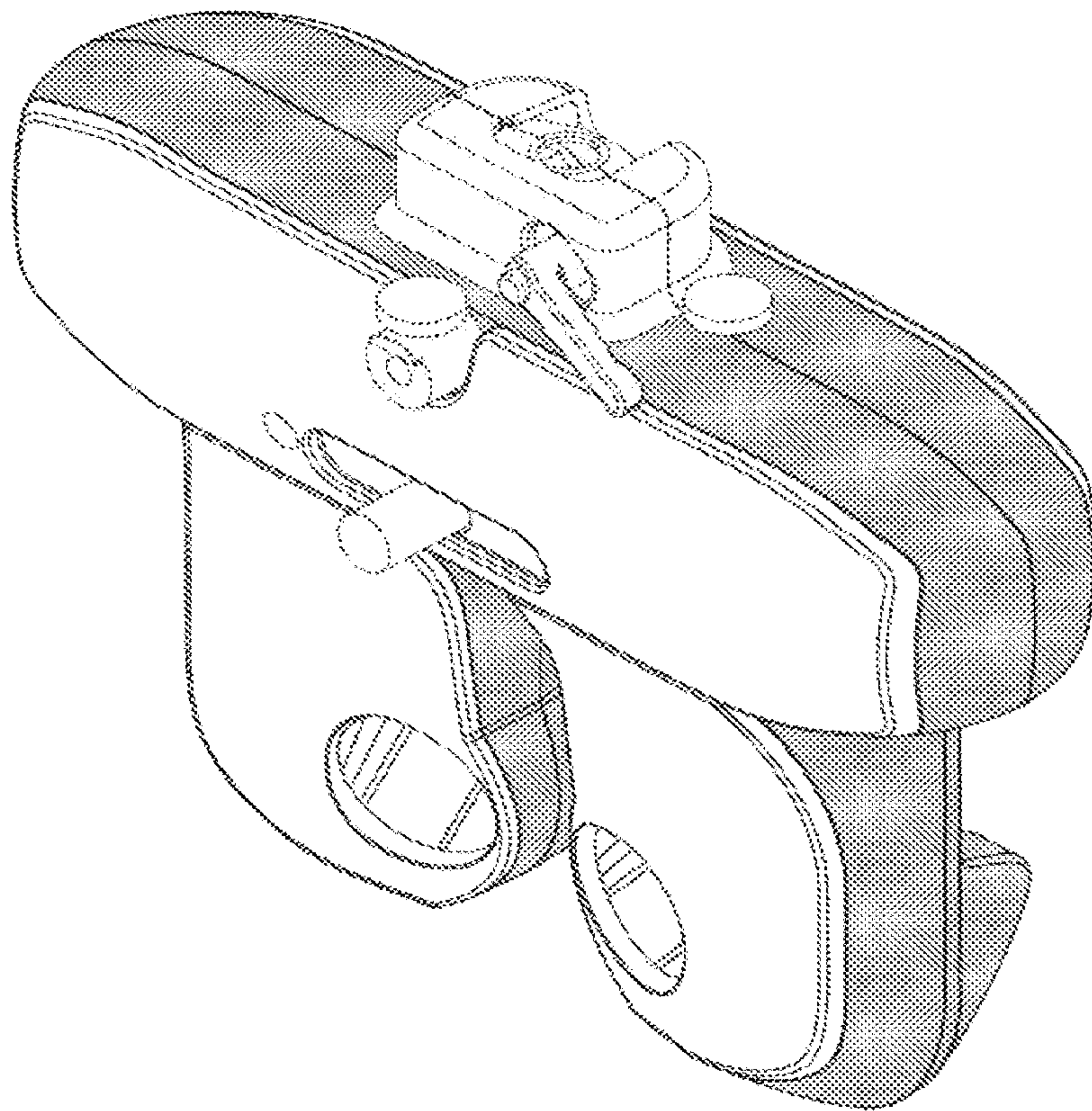


FIG 1.1

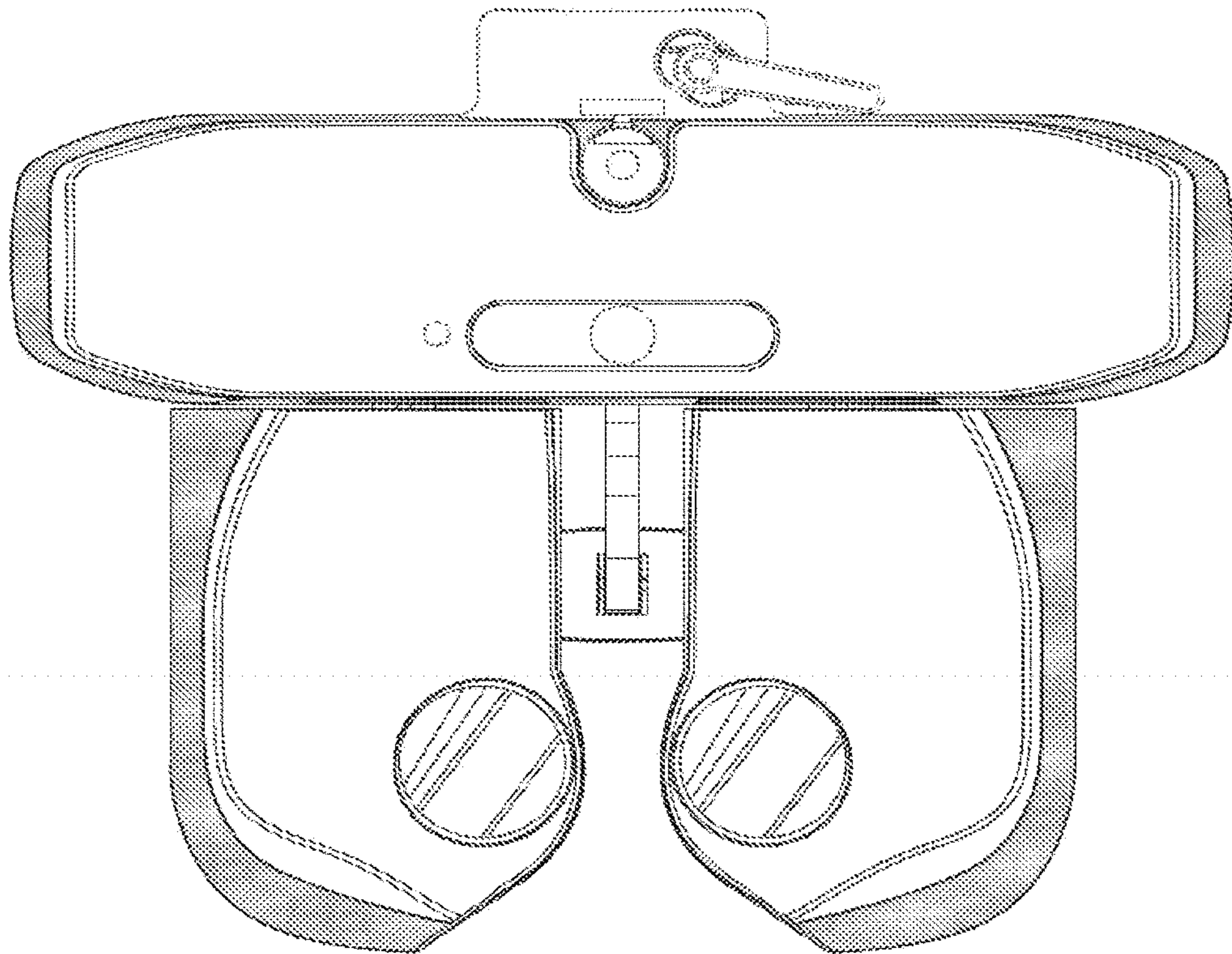


FIG 1.2

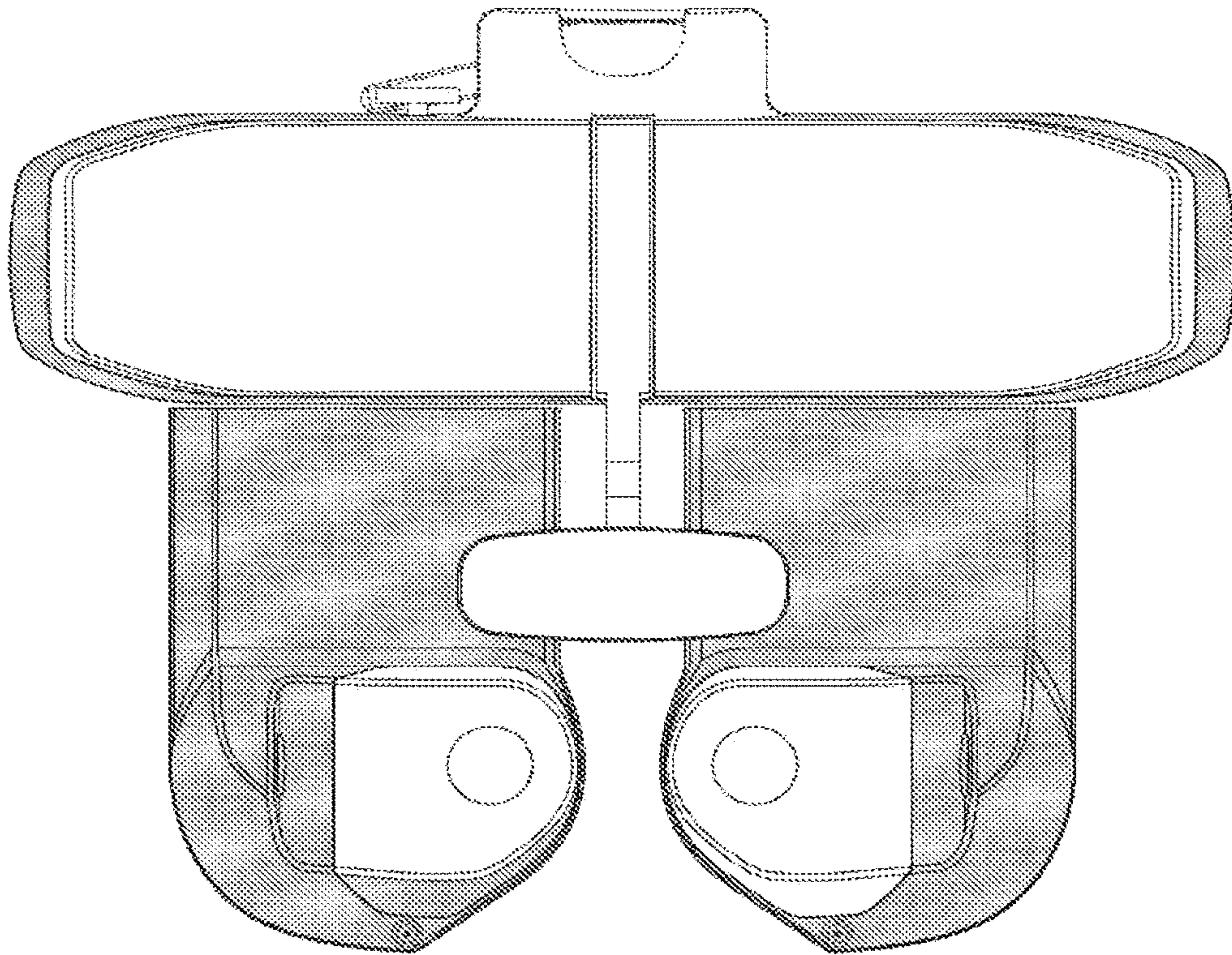


FIG 1.3

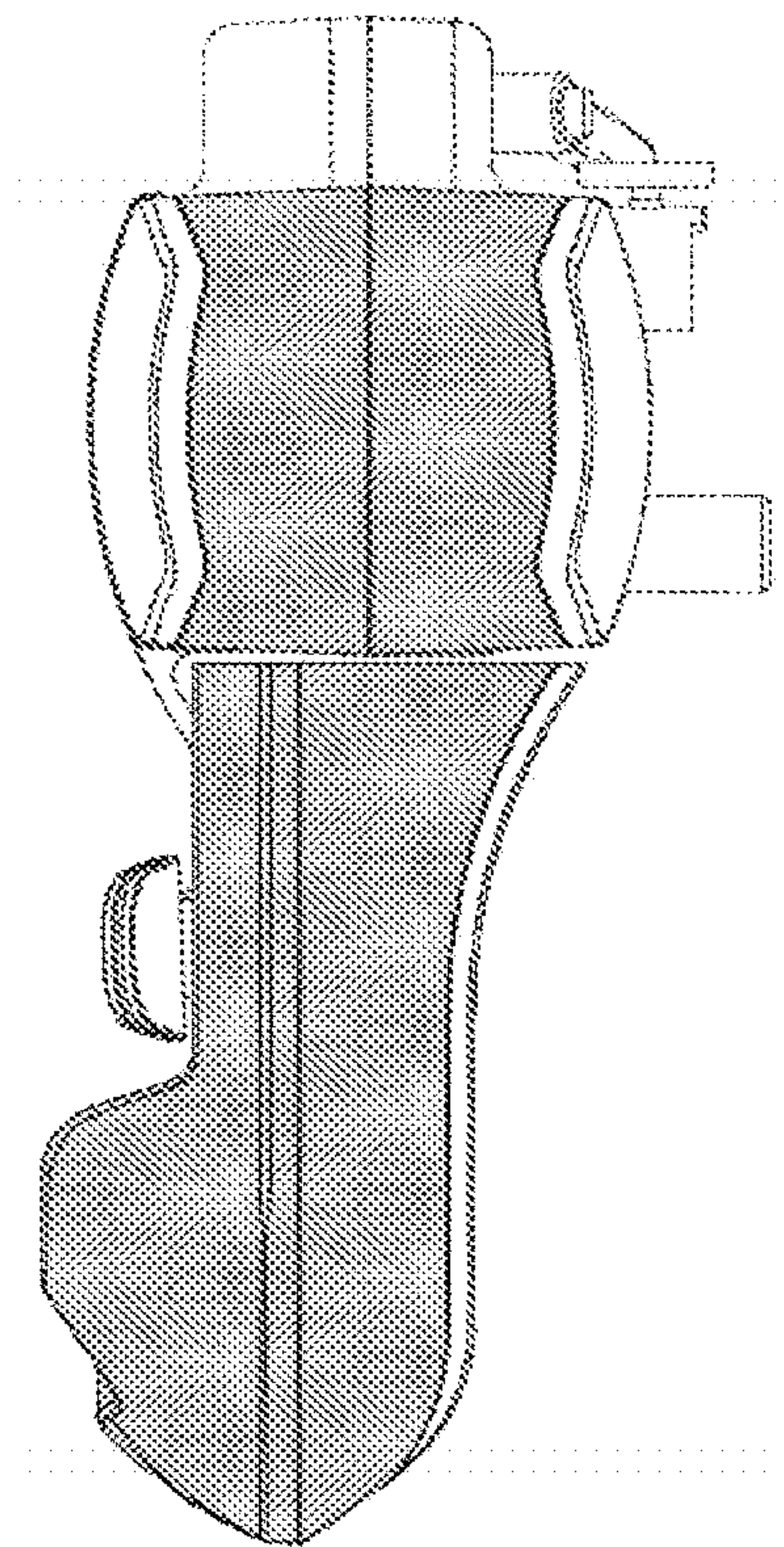


FIG 1.4

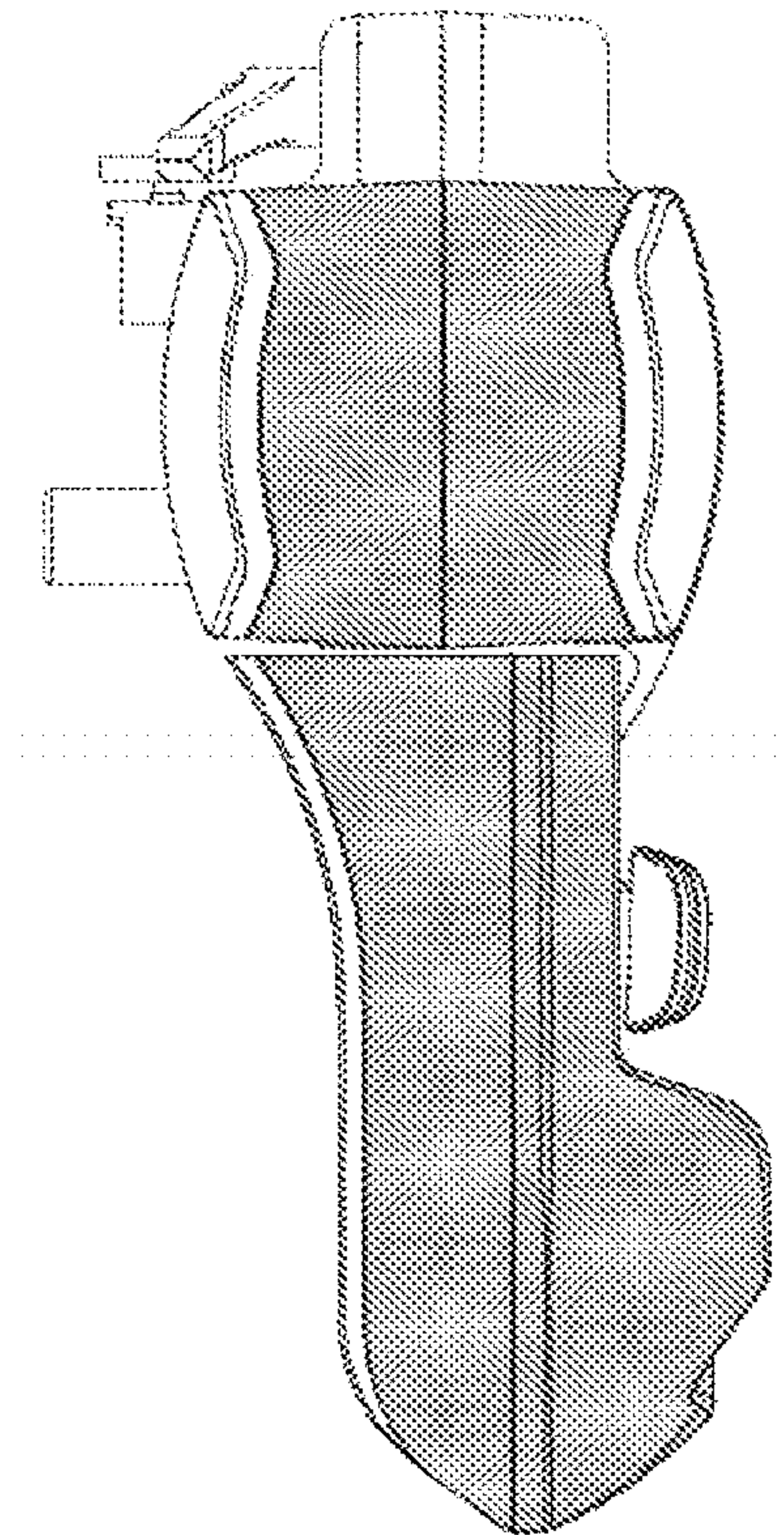


FIG 1.5

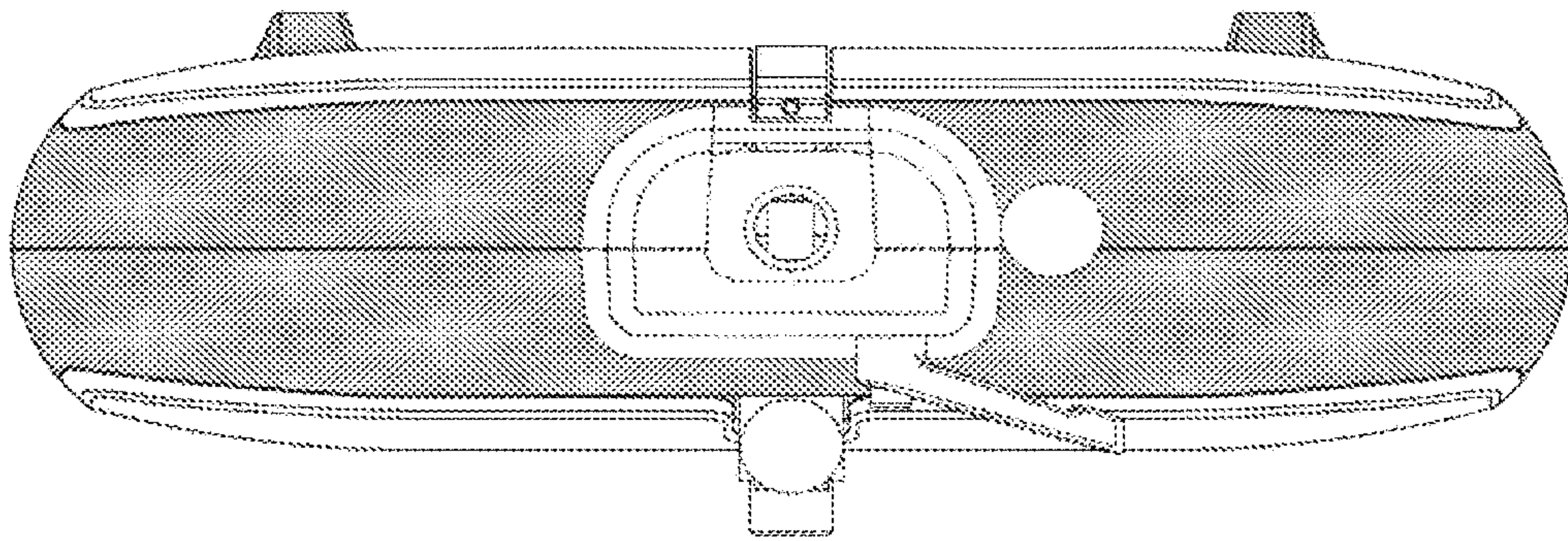


FIG 1.6

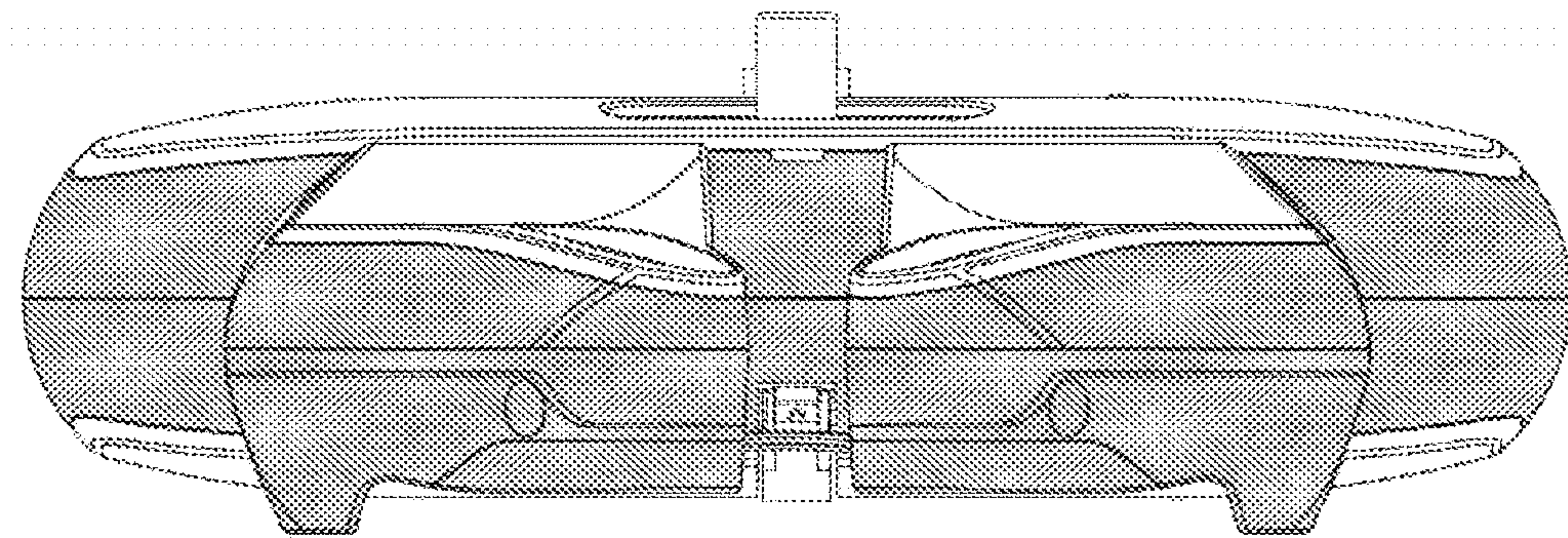


FIG 1.7

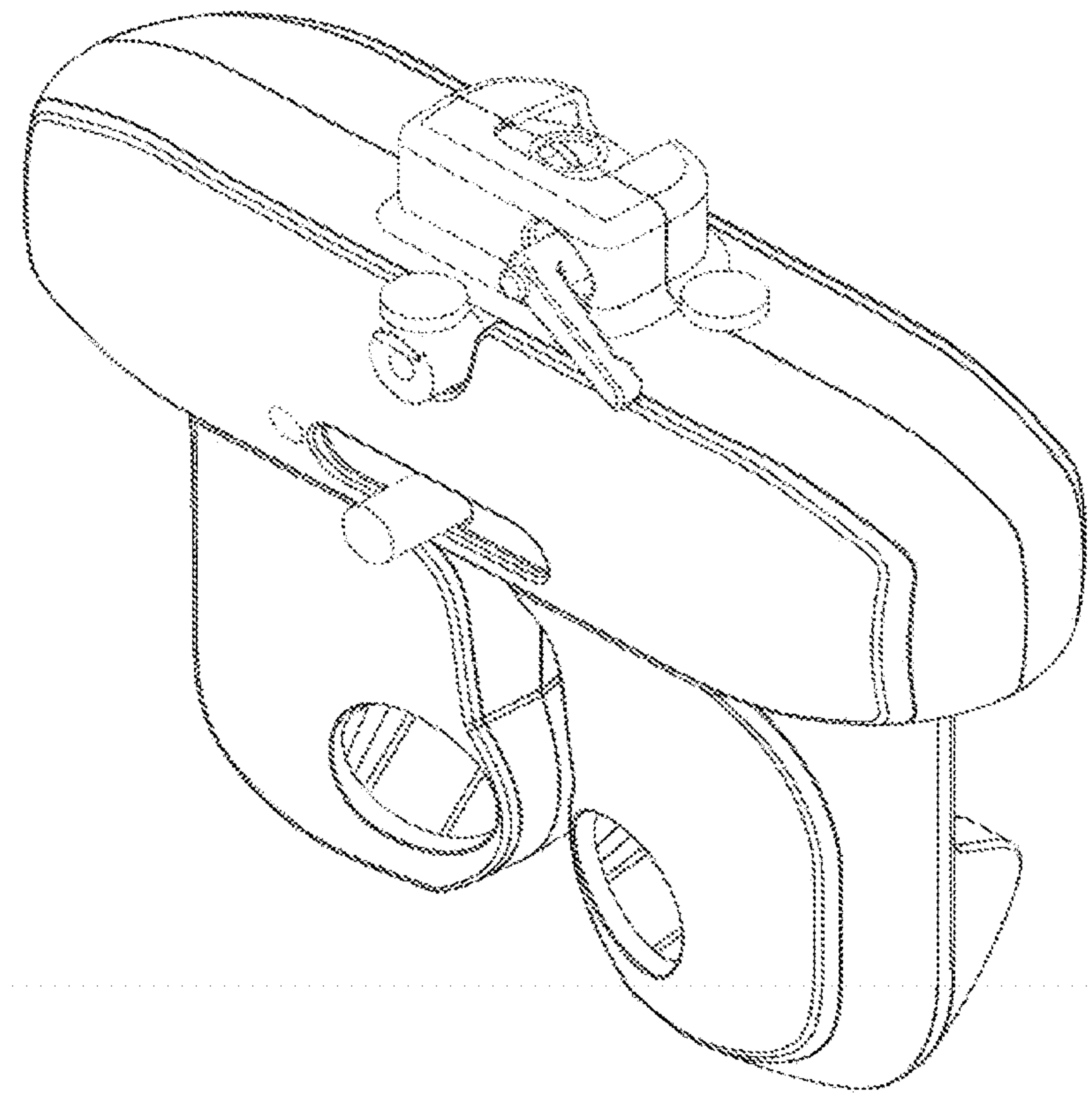


FIG 2.1

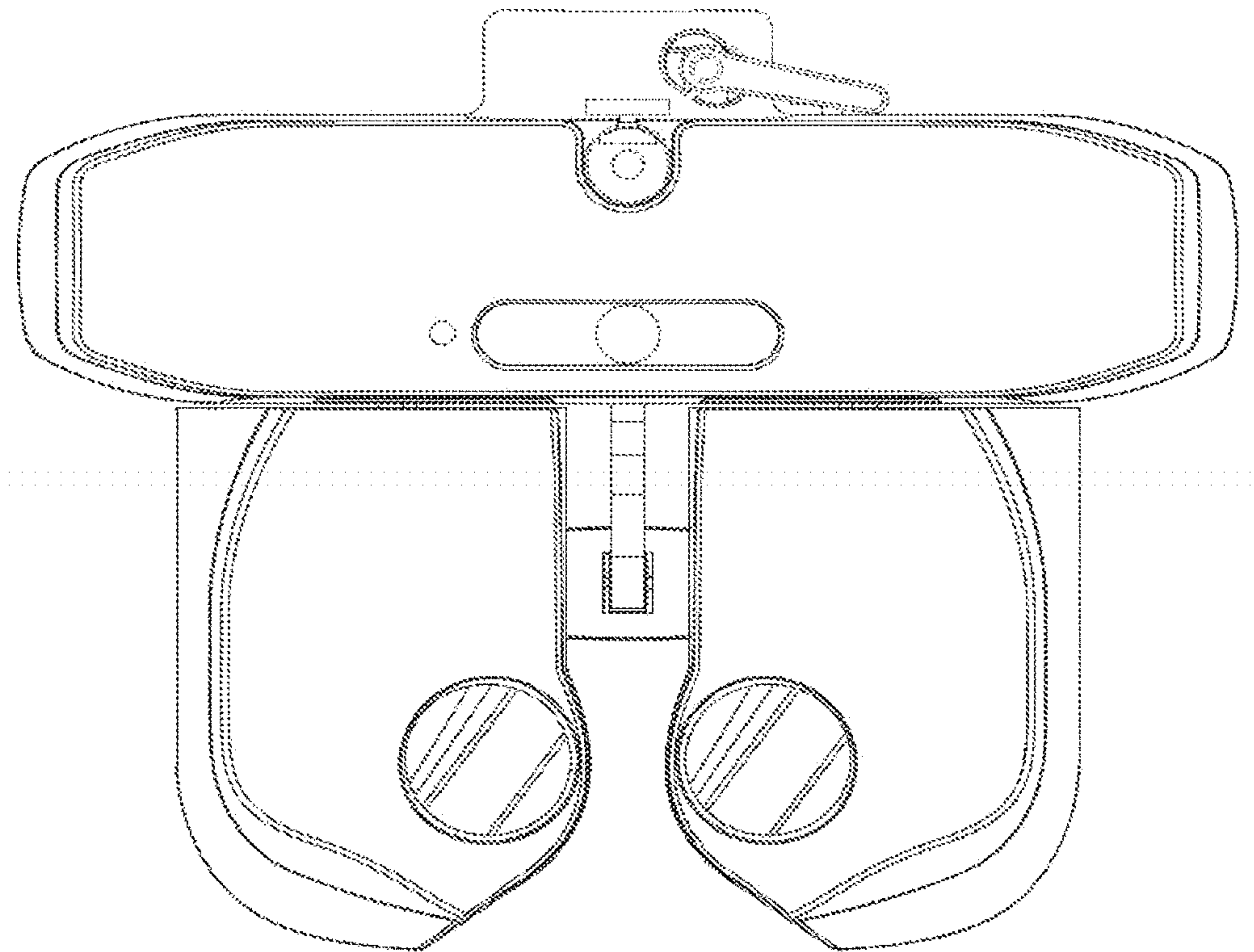


FIG 2.2

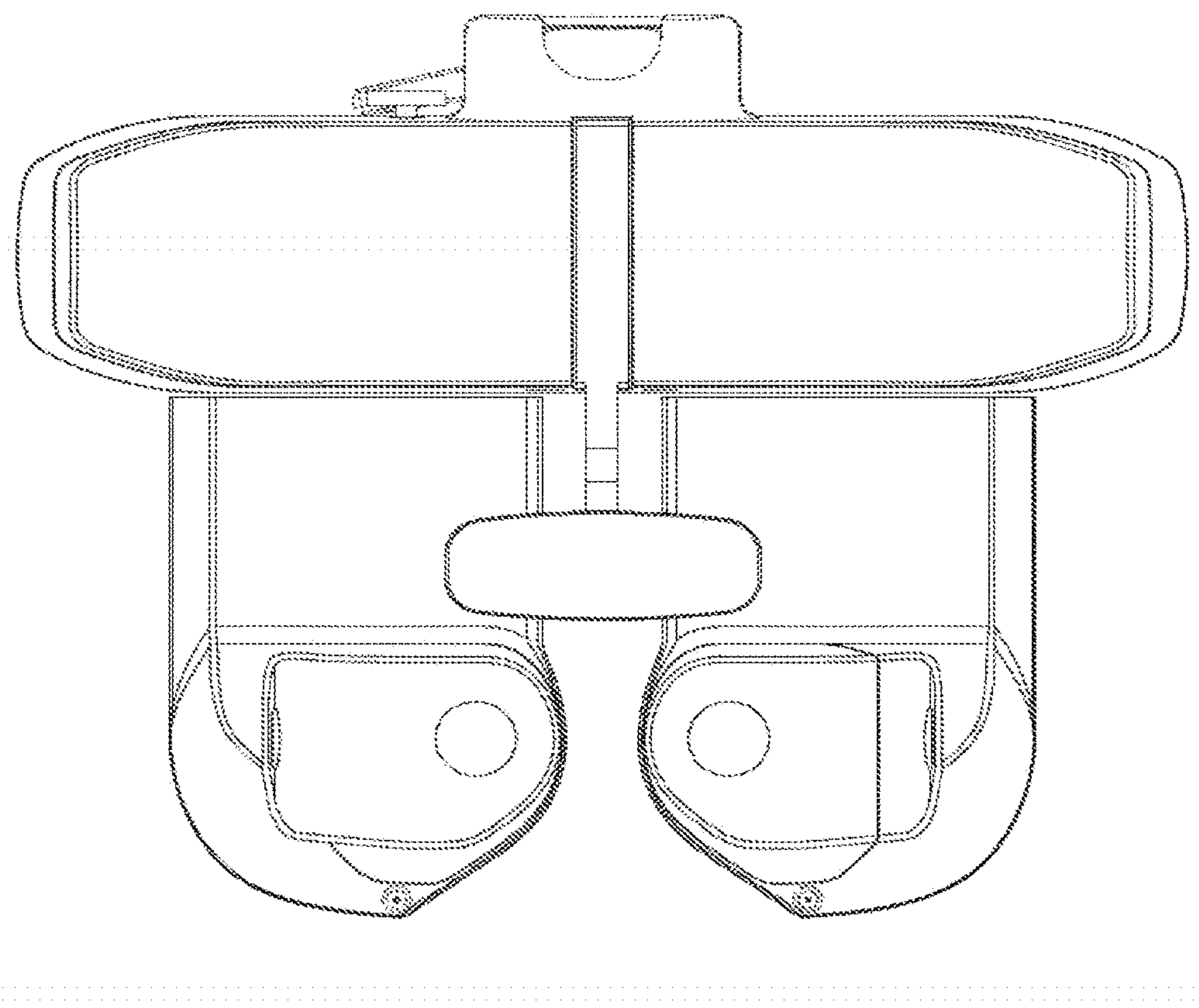


FIG 2.3

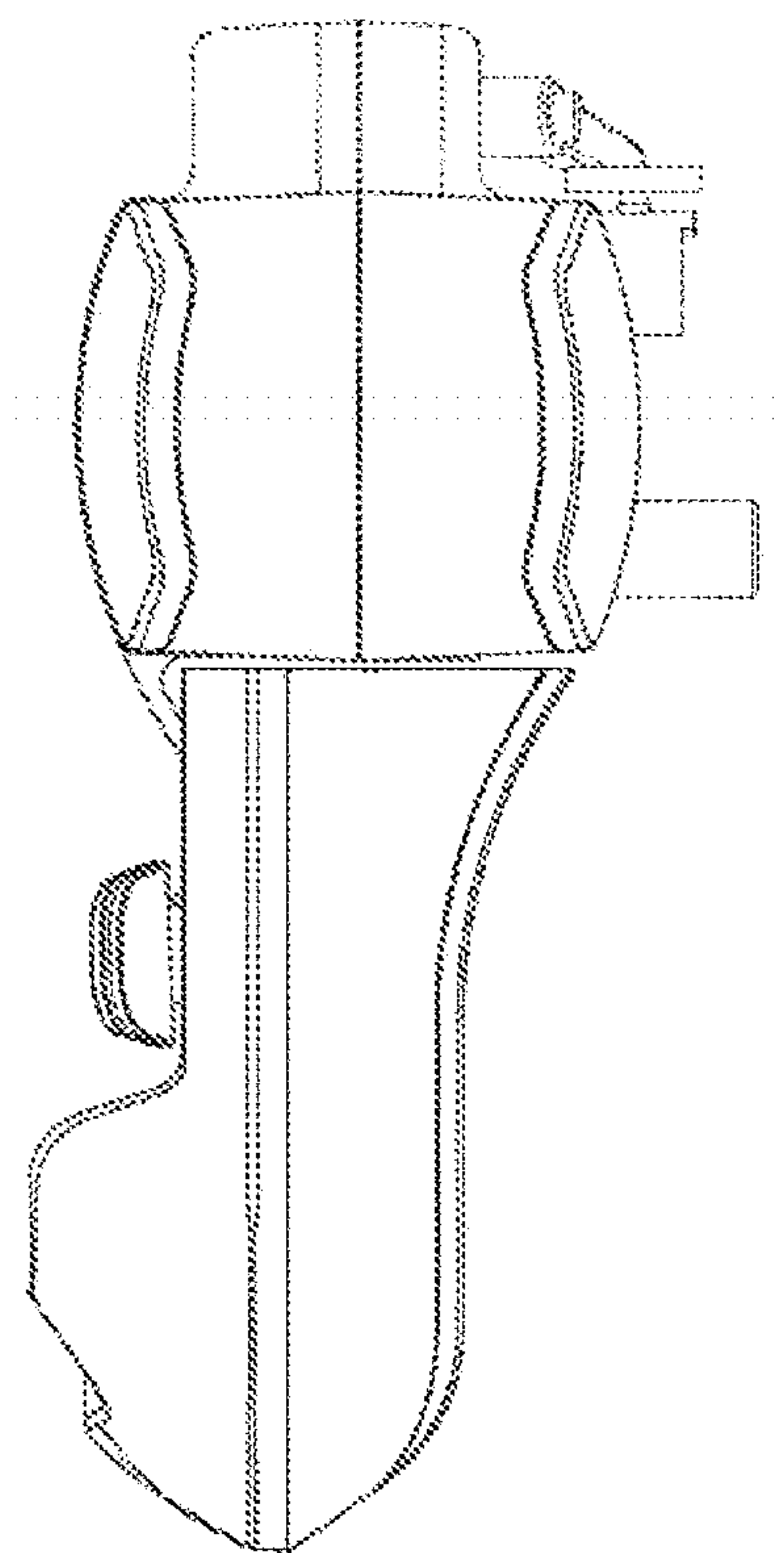


FIG 2.4

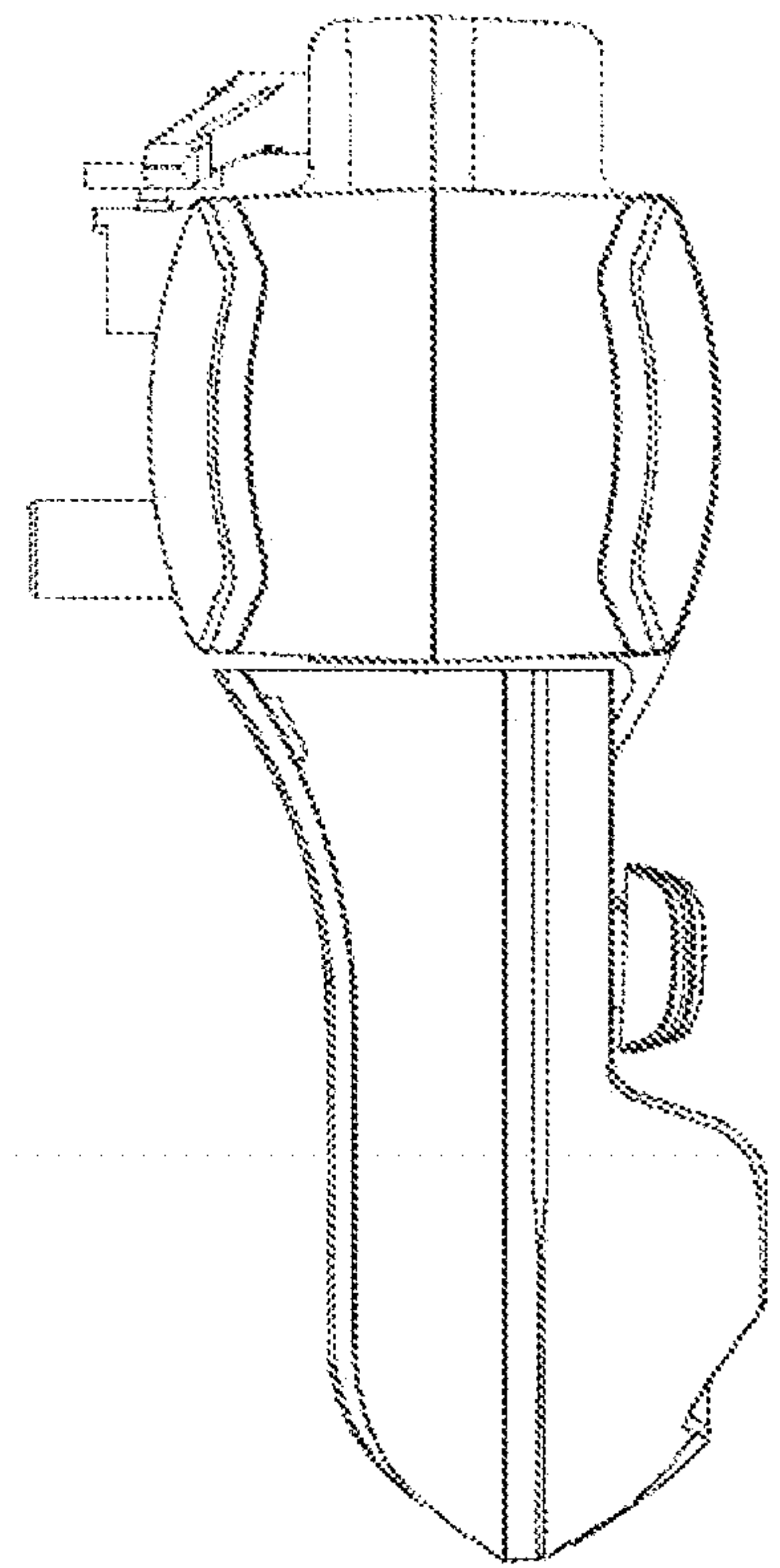


FIG 2.5

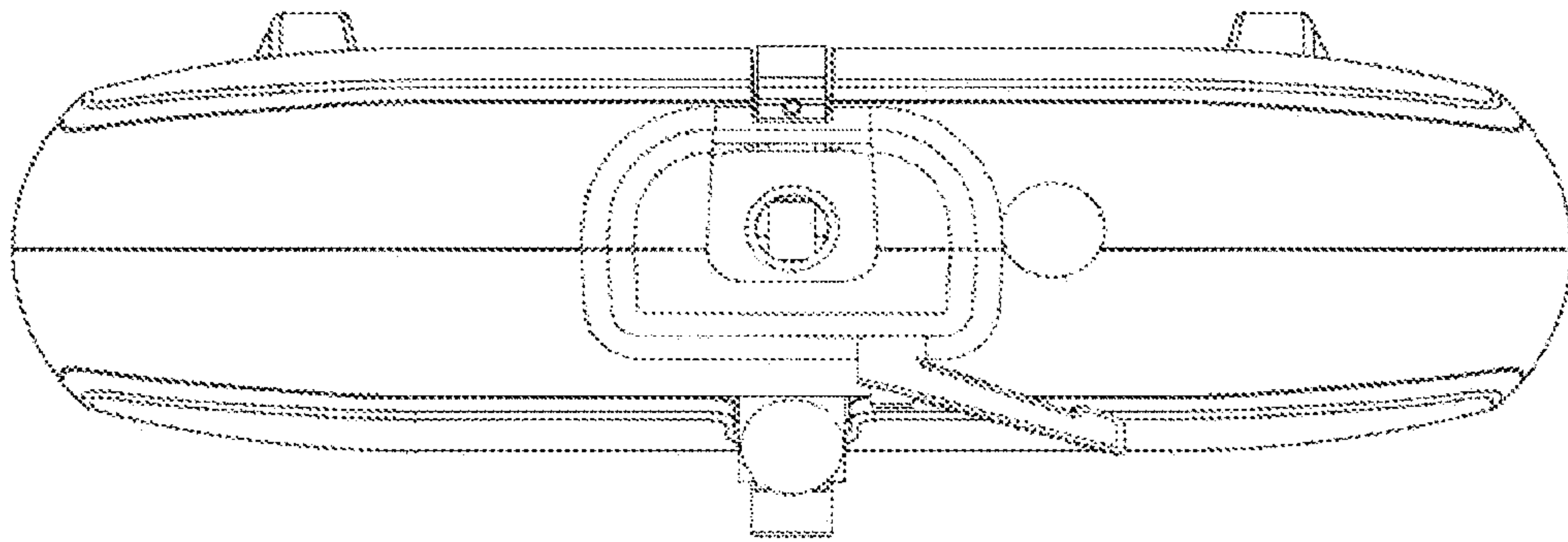


FIG 2.6

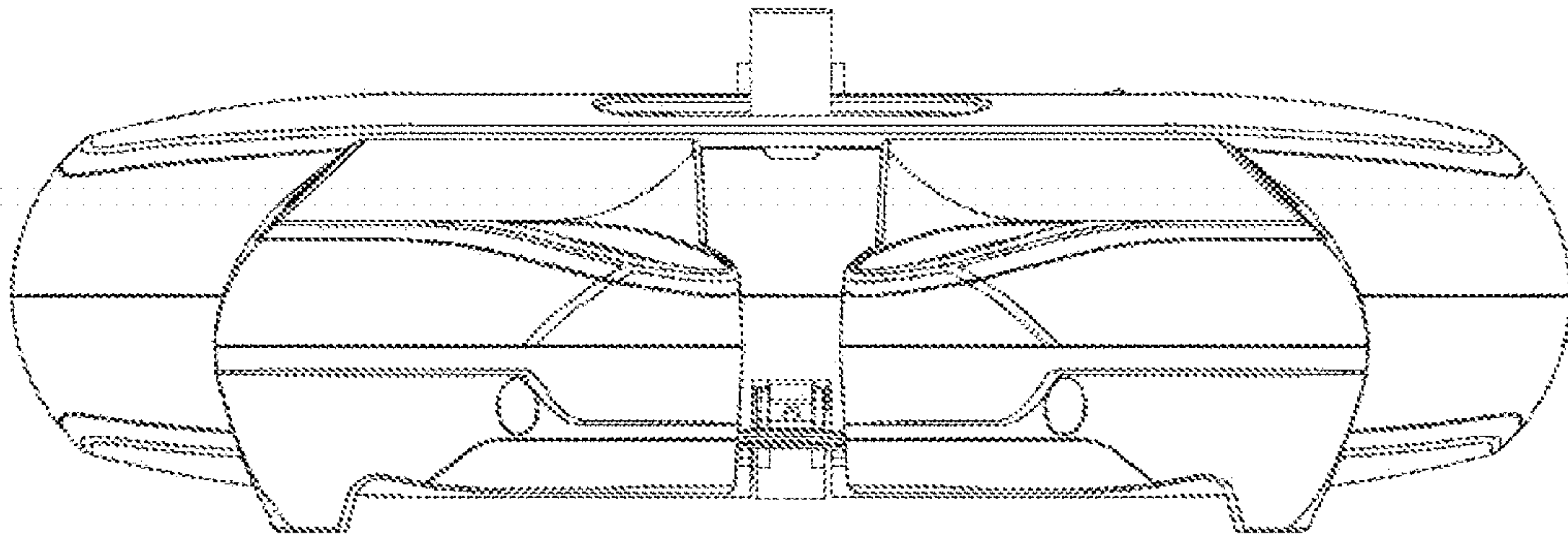


FIG 2.7