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(12) **United States Design Patent**
Pillion et al.

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(54) **AIR CLEANER**

4,986,901 A 1/1991 Nohren, Jr. et al. 210/85
5,014,338 A 5/1991 Glucksman 392/405

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(List continued on next page.)

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

(57) **CLAIM**

(21) Appl. No.: **29/135,416**

The ornamental design for an air cleaner, as shown and described.

(22) Filed: **Jan. 11, 2001**

DESCRIPTION

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/122,711, filed on
May 1, 2000, now Pat. No. Des. 449,097.

(51) **LOC (7) Cl.** **23-04**

(52) **U.S. Cl.** **D23/364**

(58) **Field of Search** D23/355, 364,
D23/365; 96/97

FIG. 1 is a perspective view as seen from the top, front, and right side of a first embodiment of the air cleaner;
FIG. 2 is a front elevational view of the air cleaner shown in FIG. 1;
FIG. 3 is a rear elevational view of the air cleaner shown in FIG. 1;
FIG. 4 is a left side elevational view of the air cleaner shown in FIG. 1;
FIG. 5 is a right side elevational view of the air cleaner shown in FIG. 1;
FIG. 6 is a top plan view of the air cleaner shown in FIG. 1;
FIG. 7 is a bottom plan view of the air cleaner shown in FIG. 1;

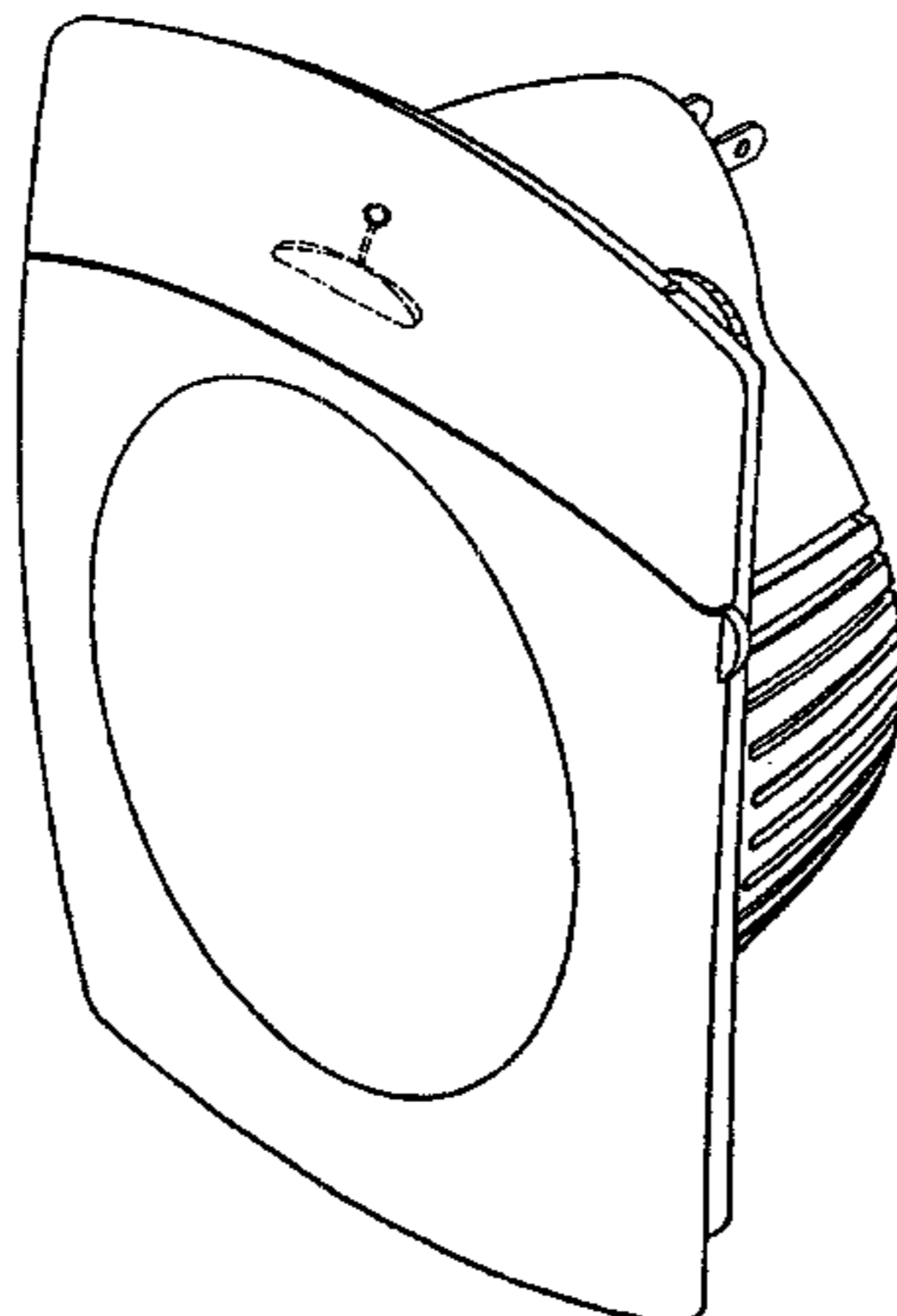
(56) **References Cited**

U.S. PATENT DOCUMENTS

2,638,644 A	5/1953	Rauhut	21/74
D189,420 S	12/1960	Diahl	D16/3
D216,794 S	3/1970	Patrick	D23/150
D234,606 S	3/1975	Gamble	D23/150
3,921,568 A	11/1975	Fish	116/121
3,948,445 A	4/1976	Andeweg	239/53
4,004,361 A	1/1977	McVeety	40/77.6
4,040,568 A	8/1977	Mason, Jr. et al.	239/57
4,118,191 A	10/1978	Bohnsieker	55/279
4,210,429 A	7/1980	Golstein	55/279
4,214,146 A	7/1980	Schmanski	219/274
4,666,638 A	5/1987	Baker et al.	261/26
4,737,173 A	4/1988	Kudirka et al.	55/276
4,743,406 A	5/1988	Steiner et al.	261/30
4,839,014 A	6/1989	Park et al.	204/265
4,849,862 A	7/1989	Diskin et al.	362/96
4,873,422 A *	10/1989	Streich et al.	96/97
4,917,862 A	4/1990	Kraw et al.	422/4
4,931,224 A	6/1990	Holzner, Sr.	261/30
4,942,841 A	7/1990	Drucker, Jr.	116/317

FIG. 8 is a perspective view as seen from the top, front, and right side of a second embodiment of the air cleaner;
FIG. 9 is a front elevational view of the air cleaner shown in FIG. 8;
FIG. 10 is a rear elevational view of the air cleaner shown in FIG. 8;
FIG. 11 is a left side elevational view of the air cleaner shown in FIG. 8;
FIG. 12 is a right side elevational view of the air cleaner shown in FIG. 8;
FIG. 13 is a top plan view of the air cleaner shown in FIG. 8; and,
FIG. 14 is a top plan view of the air cleaner shown in FIG. 8.
The broken lines in FIGS. 8–14 showing the rocker, indicator light and bumper member are used for illustrative purposes only and form no part of the claimed design.

1 Claim, 12 Drawing Sheets



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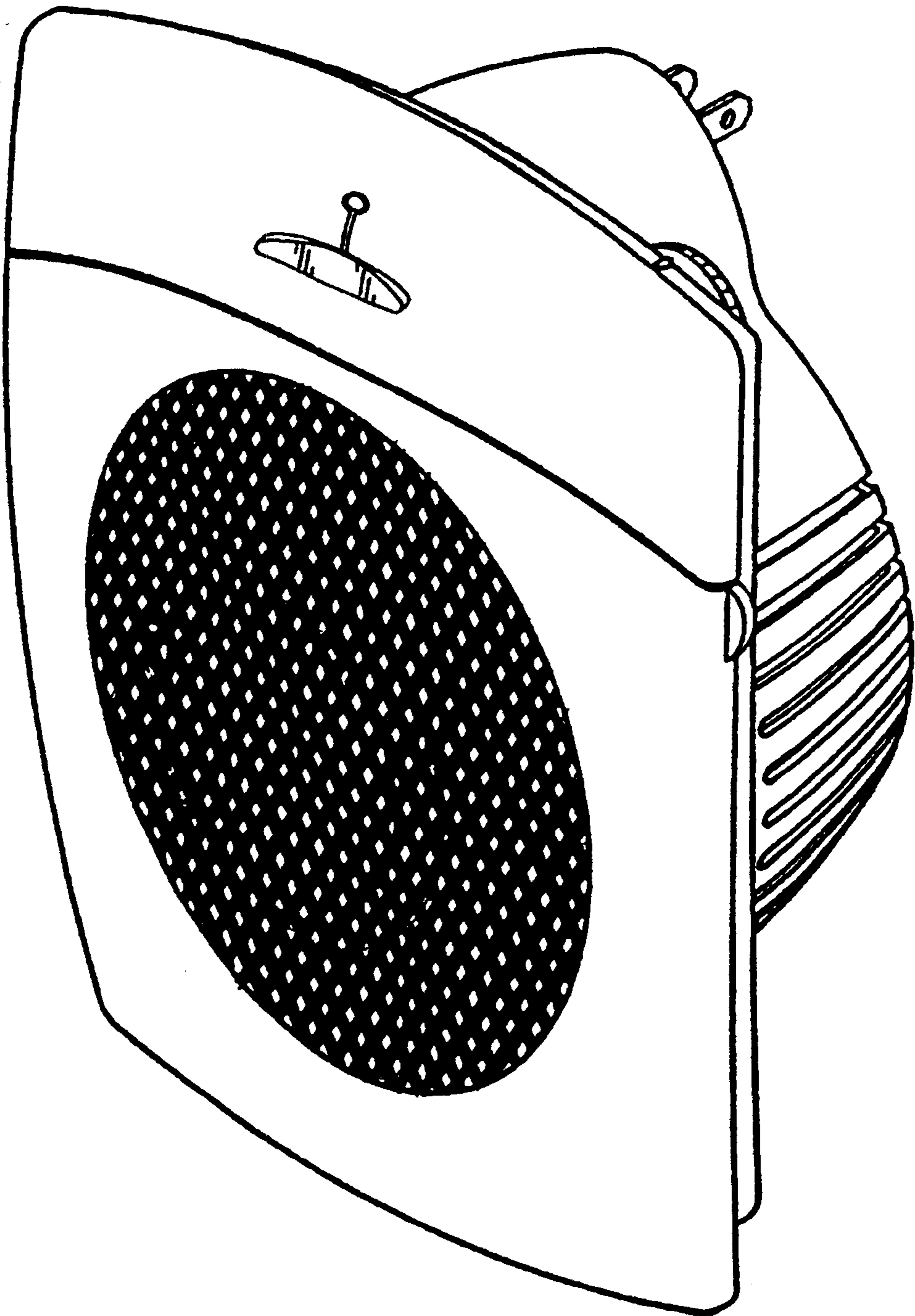
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U.S. PATENT DOCUMENTS

5,111,529 A	5/1992	Glucksman	392/405	5,772,732 A	6/1998	James et al.	95/25
5,139,546 A	8/1992	Novobilski	55/316	D396,275 S	7/1998	Pearson	D23/355
5,210,818 A	5/1993	Wang	392/405	5,783,117 A	7/1998	Byassee et al.	261/29
5,240,478 A	8/1993	Messina	95/273	5,792,230 A	8/1998	Moore et al.	55/493
5,250,232 A	10/1993	Pepper et al.	261/24	5,800,583 A	9/1998	Pippel et al.	55/467
5,266,004 A	11/1993	Tsumurai	416/100	5,800,741 A	9/1998	Glenn et al.	261/107
D345,010 S	3/1994	Aronsson et al.	D23/365	5,811,004 A	9/1998	Robertson et al.	210/482
5,330,722 A	7/1994	Pick et al.	422/121	D399,943 S	10/1998	Ko	D23/364
5,332,425 A *	7/1994	Huang	96/97	D400,661 S	11/1998	Ko	D23/364
5,377,614 A	1/1995	Glazer	116/308	D400,662 S	11/1998	Davis	D23/366
5,378,254 A	1/1995	Maly et al.	55/271	5,837,207 A	11/1998	Summers	422/121
D357,330 S	4/1995	Wong et al.	D26/51	5,879,435 A	3/1999	Satyapal et al.	96/16
5,407,469 A	4/1995	Sun	96/62	D409,741 S	5/1999	Yuen-Ming	D23/370
D360,028 S	7/1995	Matsuda	D23/364	D411,001 S	6/1999	Pinchuk	D23/364
5,547,615 A	8/1996	Jane et al.	261/24	5,925,320 A	7/1999	Jones	422/121
D374,713 S	10/1996	Ford et al.	D23/364	5,945,038 A	8/1999	Anderson	261/26
D377,213 S	1/1997	Wang	D23/364	5,948,355 A	9/1999	Fujishima et al.	422/4
5,601,636 A	2/1997	Glucksman	96/63	D416,318 S	11/1999	Sato	D23/364
5,611,967 A	3/1997	Jane et al.	261/142	D416,319 S	11/1999	Rollins	D23/365
D379,220 S	5/1997	Ellwood	D23/364	D416,613 S	11/1999	Bellil et al.	D23/364
D390,940 S	2/1998	Chen	D23/366	5,997,619 A	12/1999	Knuth et al.	96/224
5,735,918 A	4/1998	Barradas	55/274	6,017,375 A	1/2000	Duell et al.	55/356
D394,100 S	5/1998	Promseeda	D23/364	6,036,757 A	3/2000	Gatchell et al.	96/424
D395,146 S	6/1998	Miller et al.	D23/364	D426,293 S	6/2000	Tounsi et al.	D23/364
5,769,912 A	6/1998	Mansur	55/269				

* cited by examiner

FIG-1



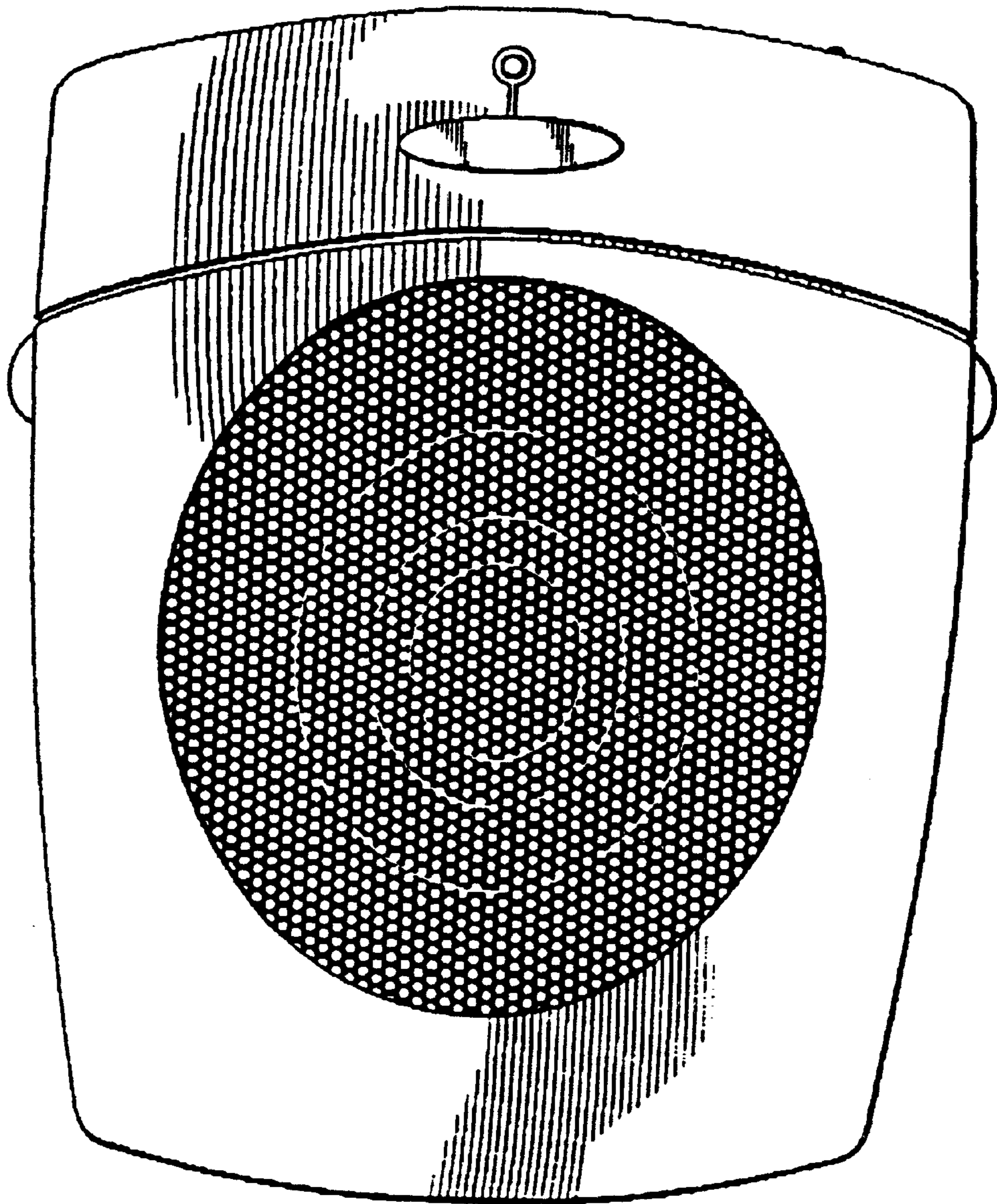
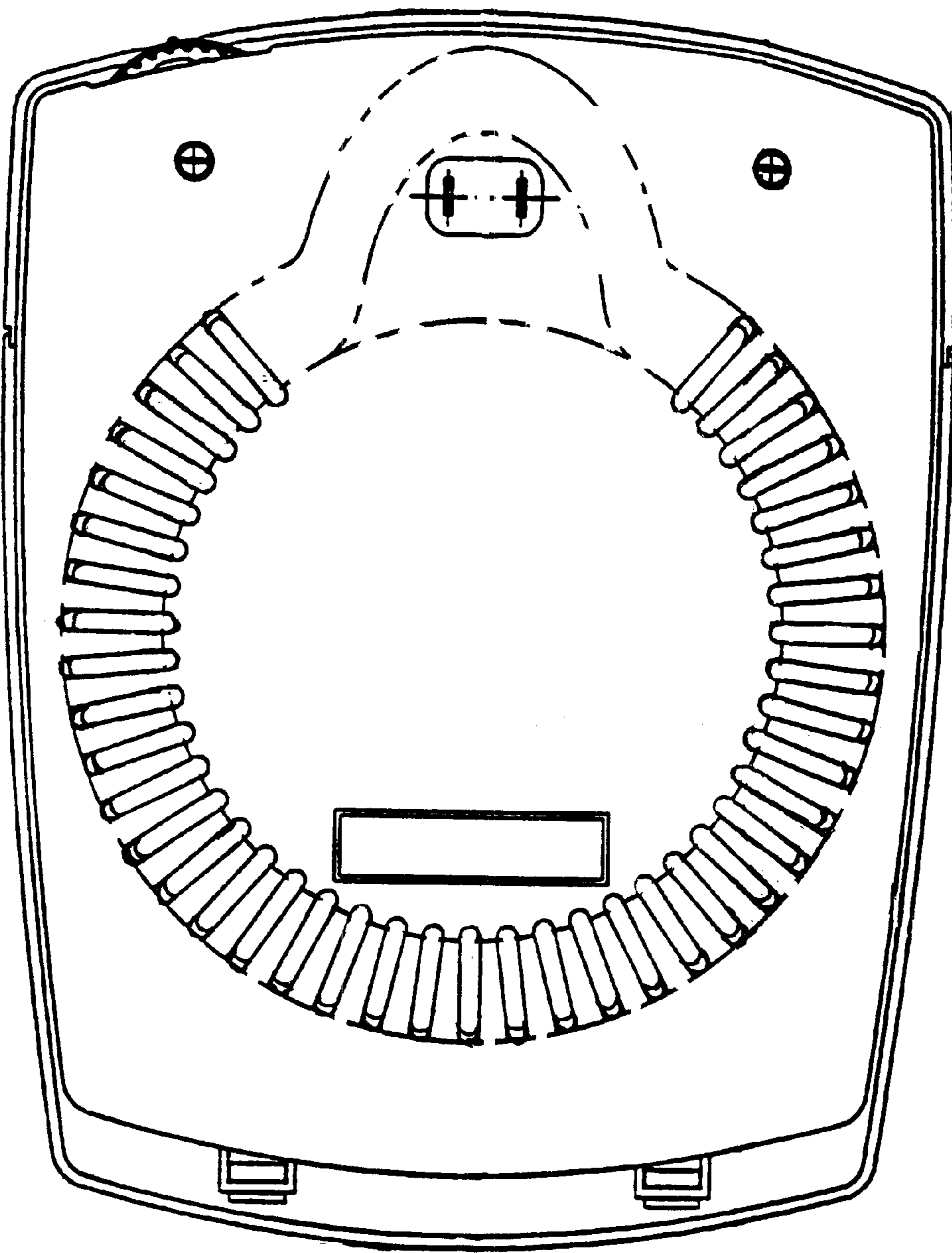


Fig. 2

FIG - 3



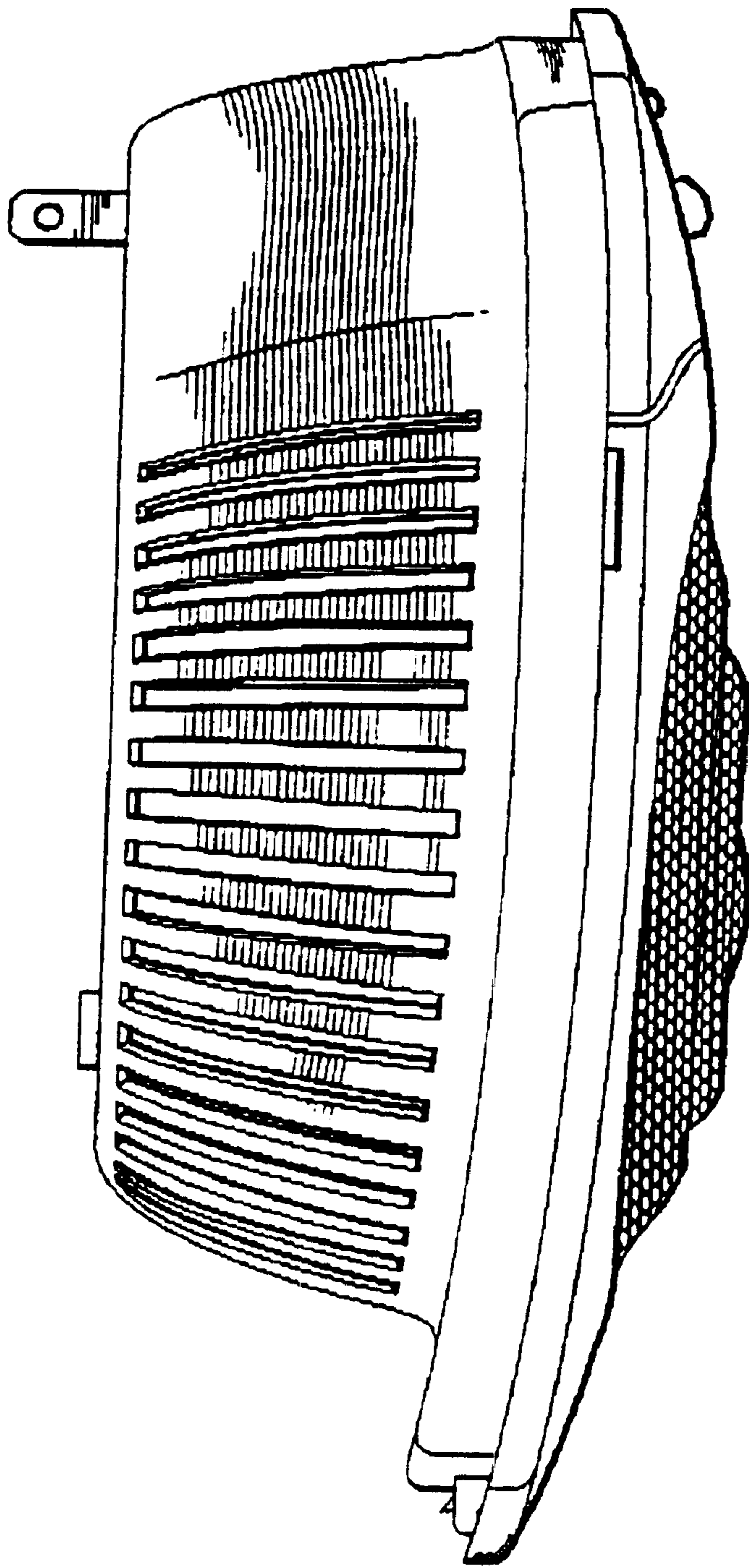
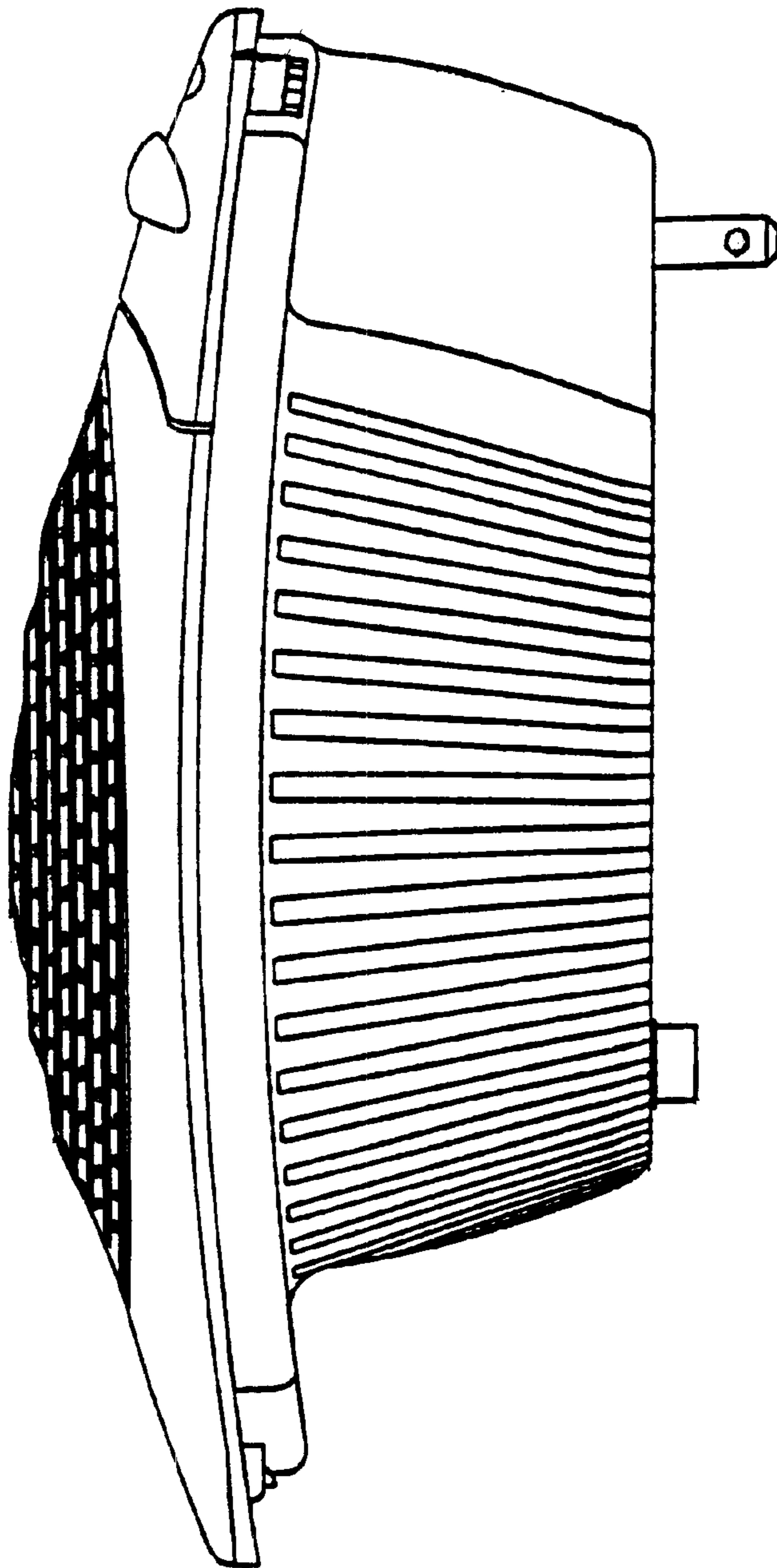


Fig. 4

FIG-5



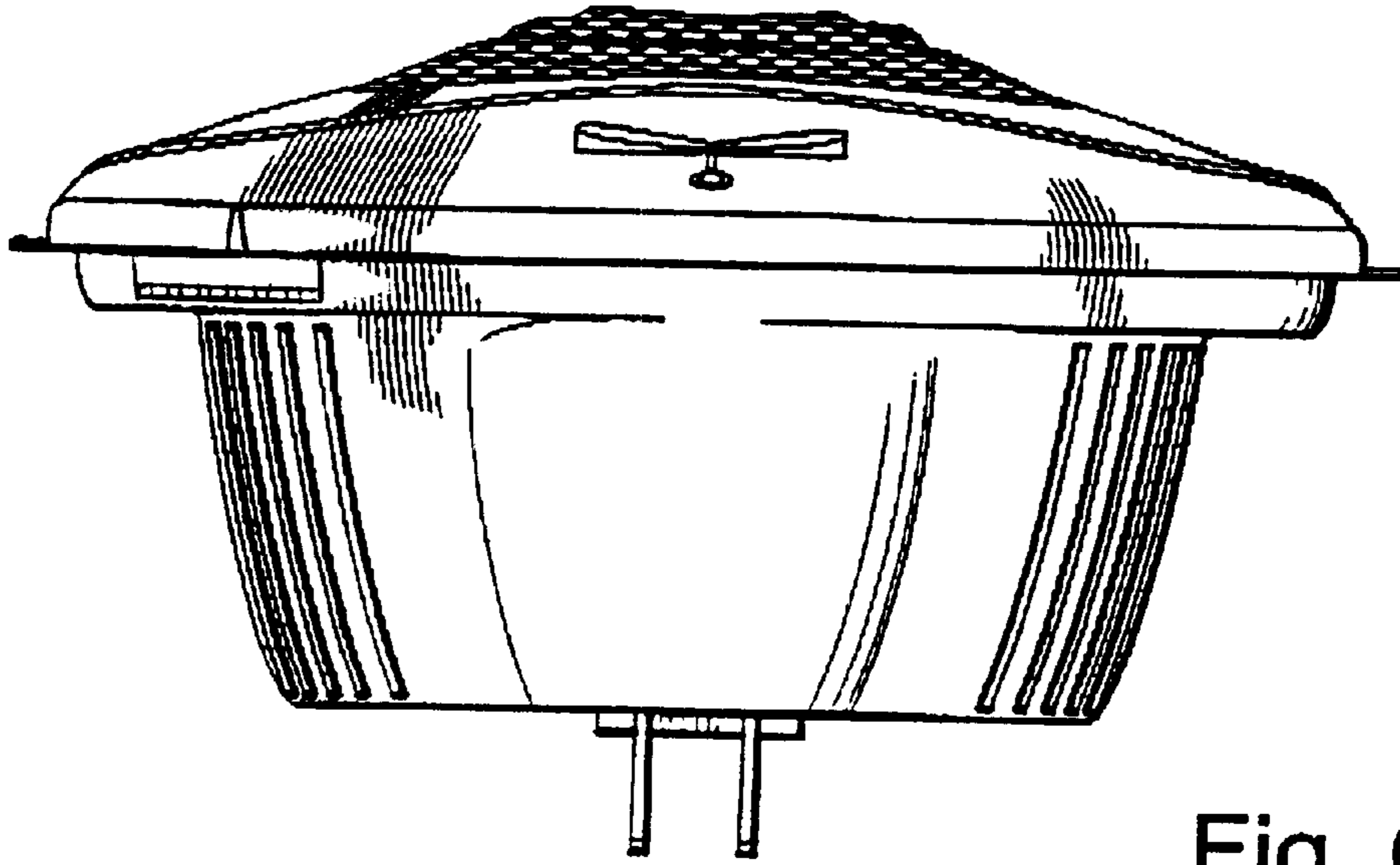


Fig. 6

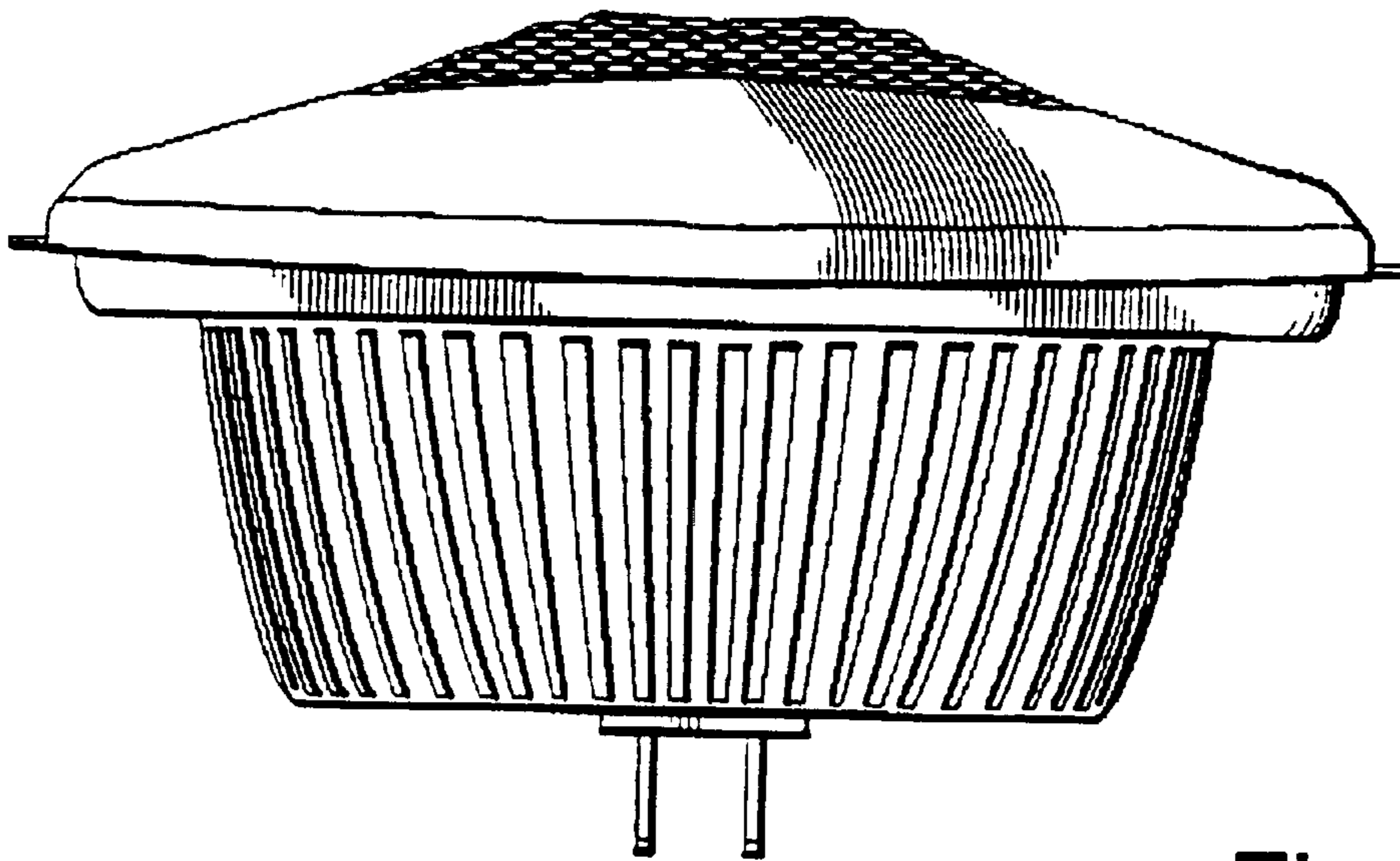
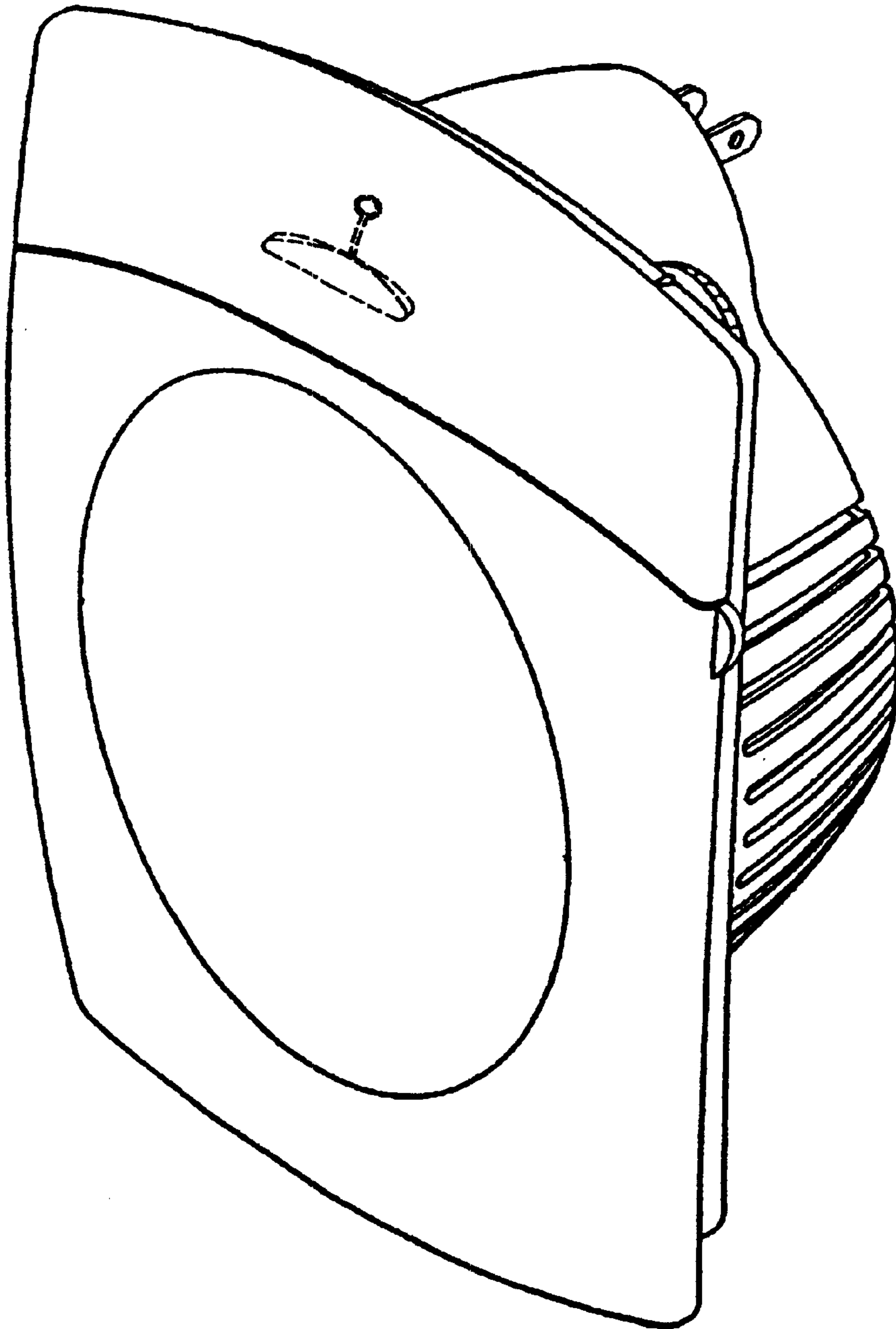


Fig. 7

FIG - 8



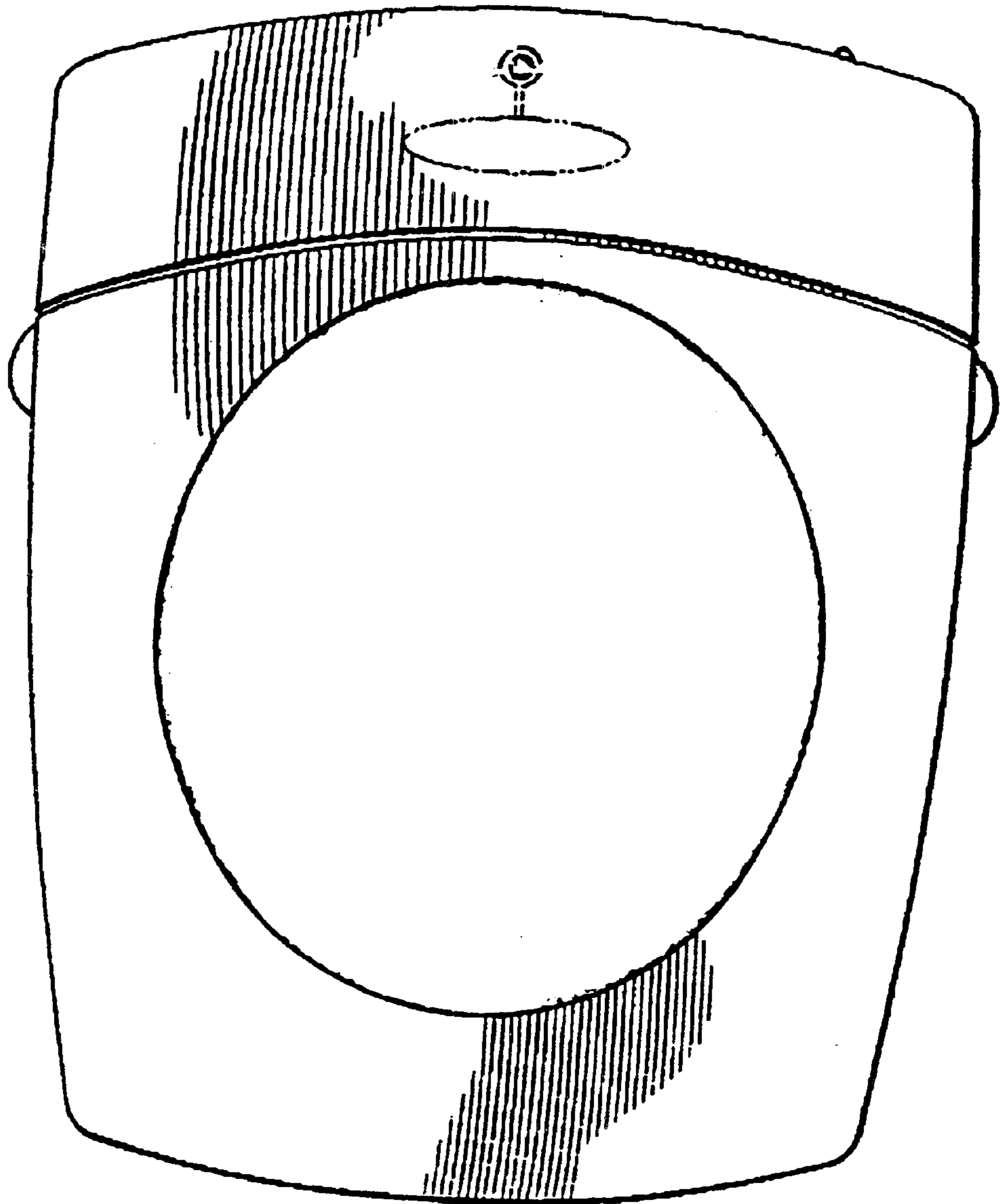
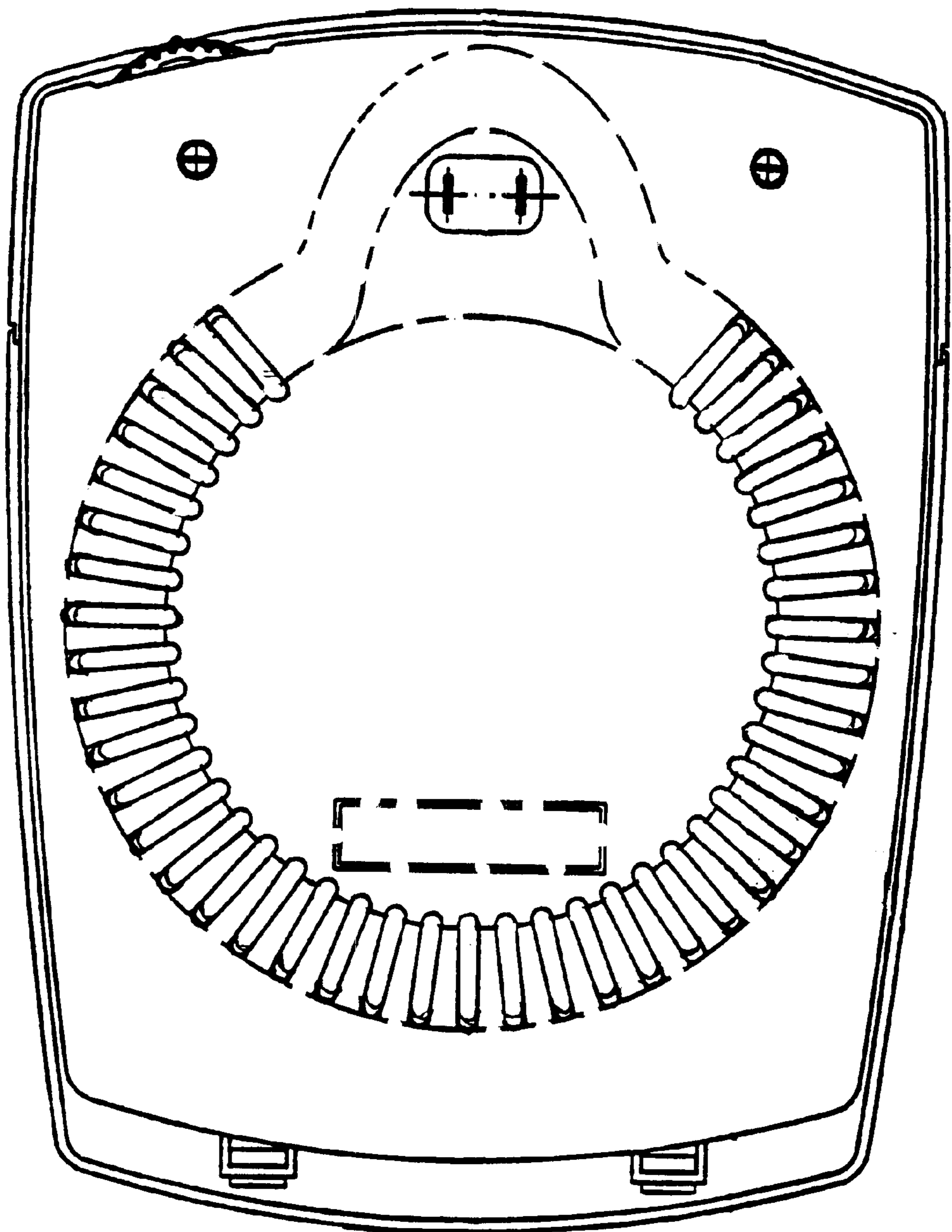


Fig. 9

FIG - 10



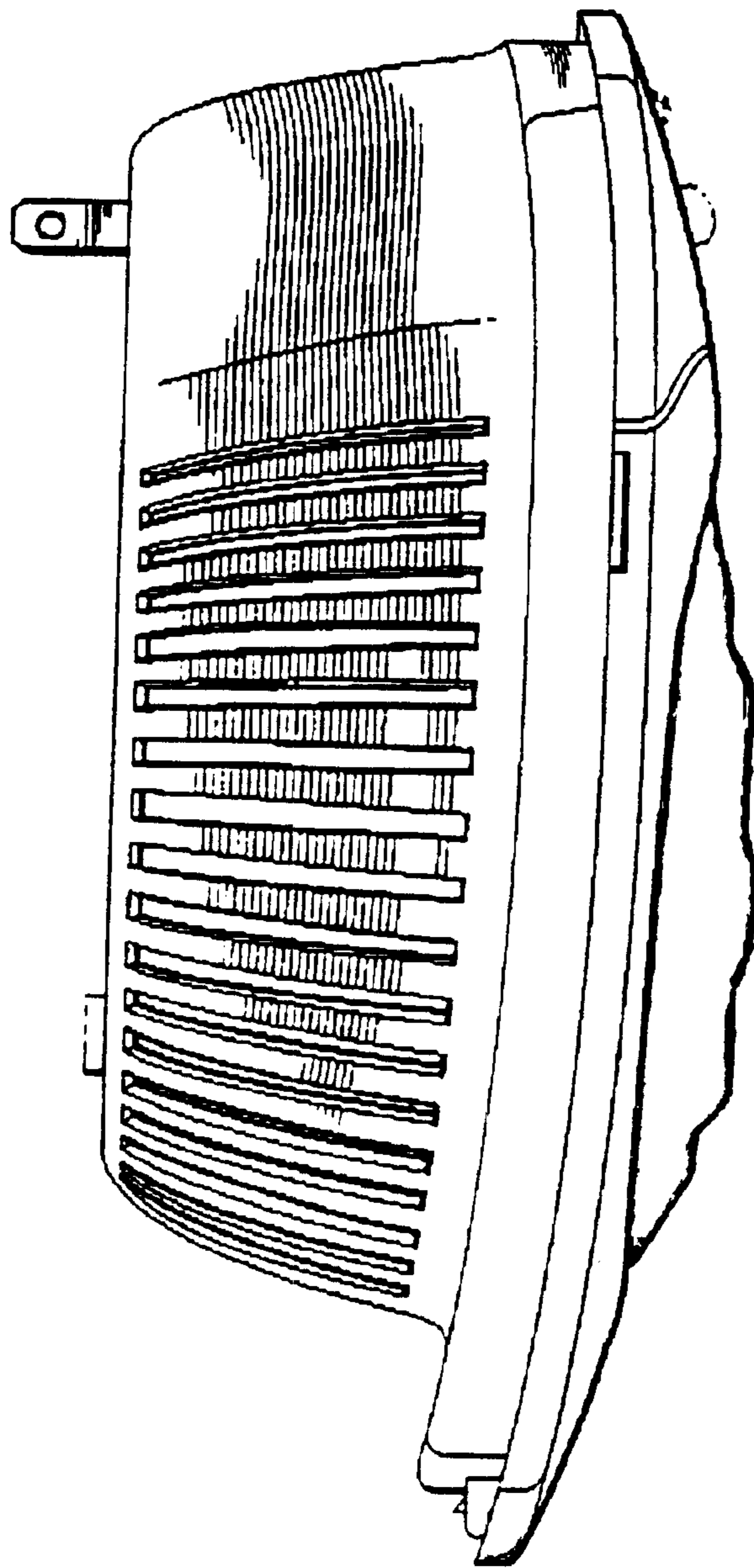
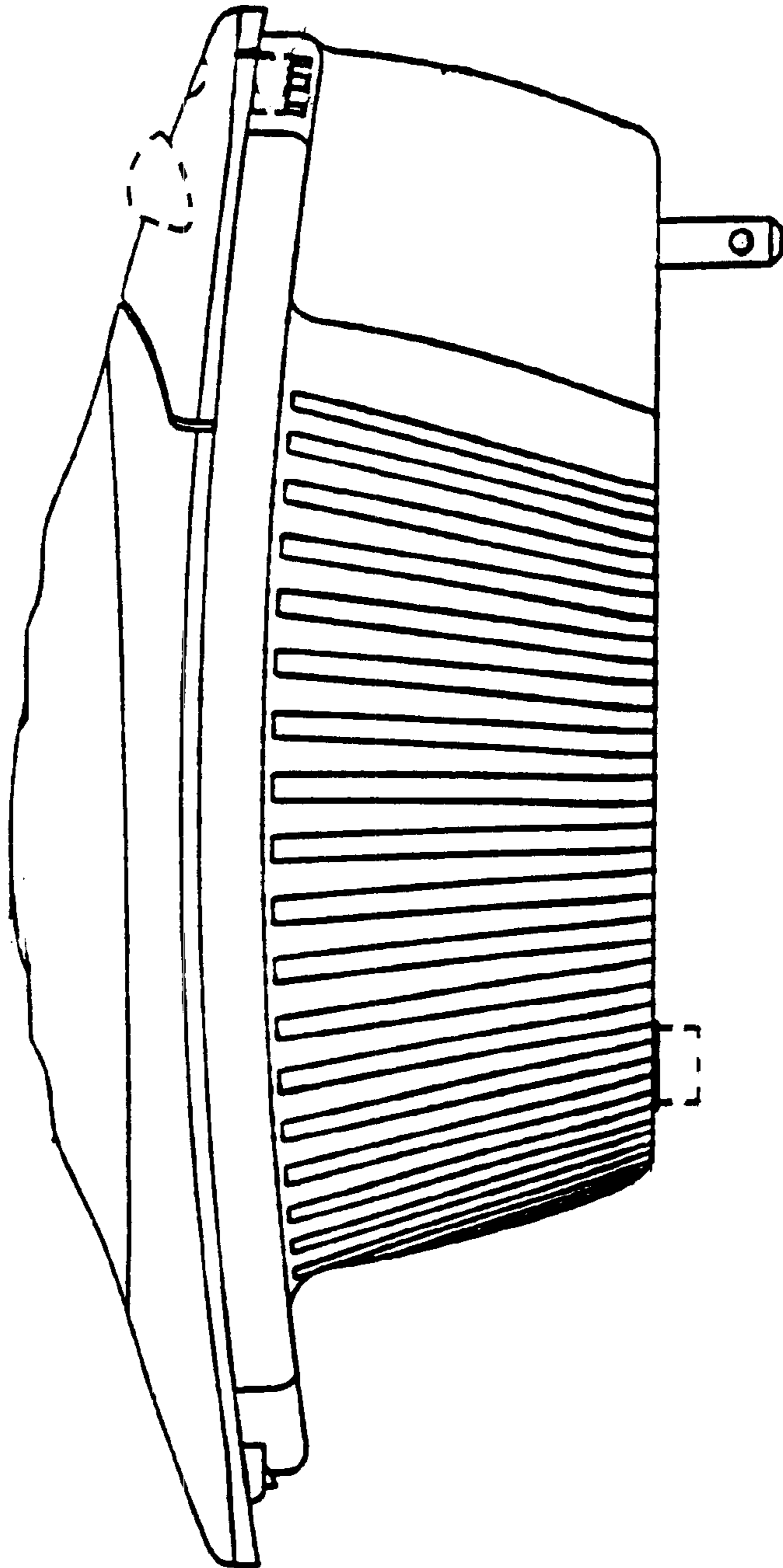


Fig. 11

FIG - 12



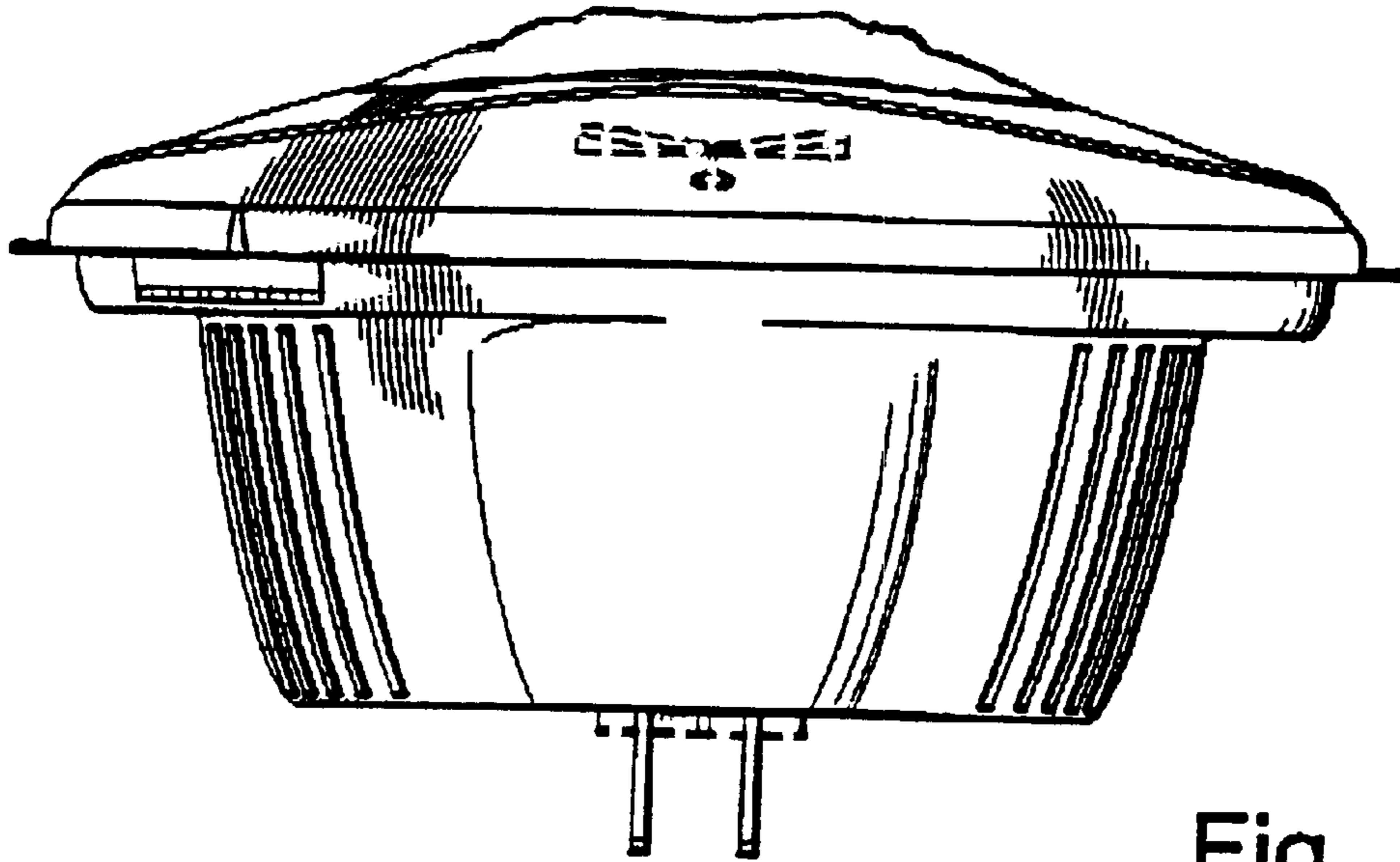


Fig. 13

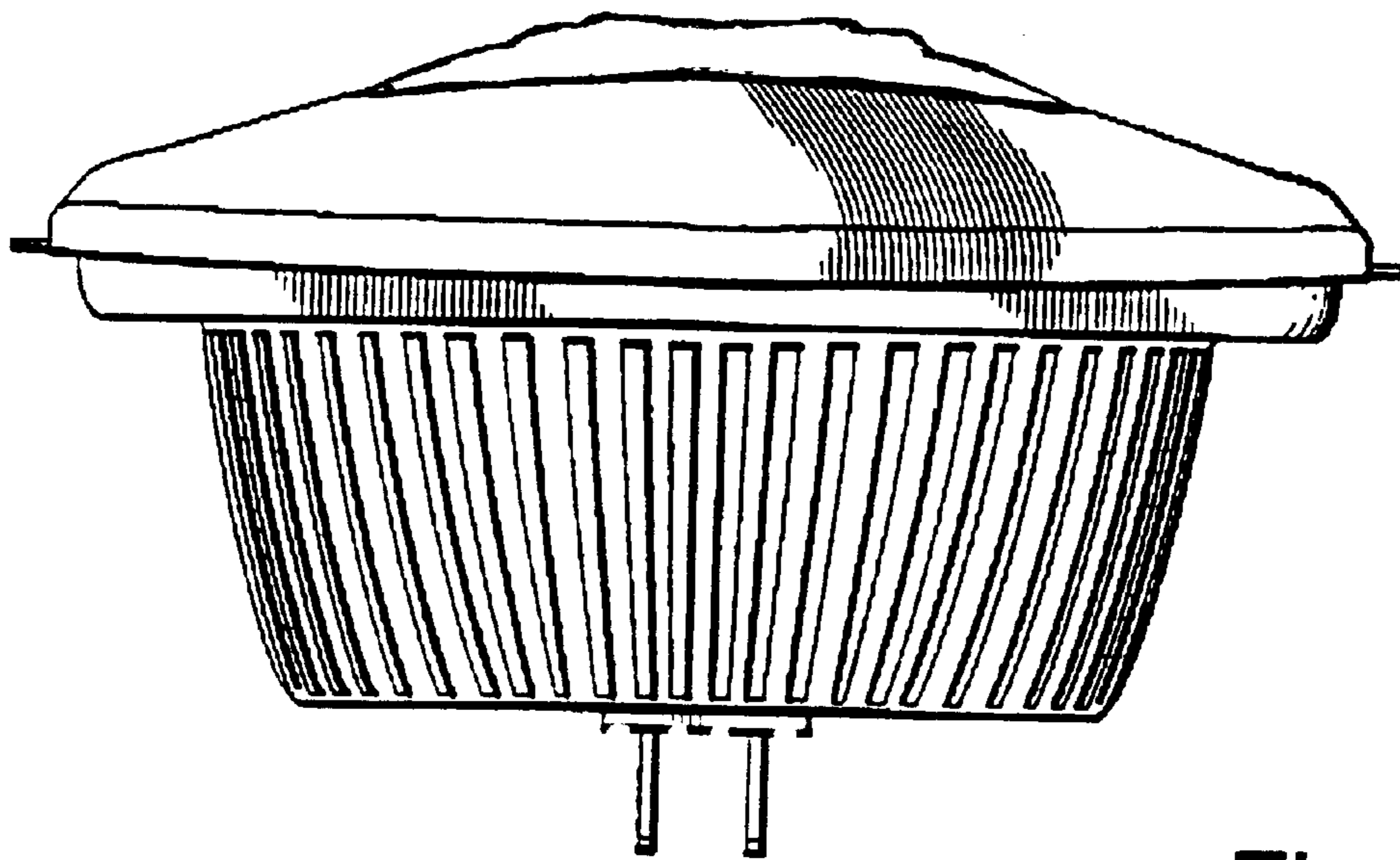


Fig. 14