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(12) **United States Design Patent** (10) **Patent No.:** **US D497,879 S**  
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(54) **INFRARED SENSOR**

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(52) **U.S. Cl.** ..... **D13/165; D10/104; D10/106;**  
**D13/182**

(58) **Field of Search** ..... **D10/104, 106,**  
**D10/116; 257/678, 696, 724, 772, 98; 250/338.1,**  
**338.3, 239; D13/168, 164, 165, 180, 182**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D278,049 S	*	3/1985	Takahashi et al.	.....	D13/182
4,546,374 A	*	10/1985	Olsen et al.	.....	257/772
4,800,278 A	*	1/1989	Taniguti et al.	.....	250/338.1
D314,720 S	*	2/1991	Chen	.....	D10/106
5,013,911 A	*	5/1991	Koshida et al.	.....	250/239
5,302,778 A	*	4/1994	Maurinus	.....	174/52.4
D354,925 S	*	1/1995	Eggers et al.	.....	D10/106
5,384,471 A	*	1/1995	Schairer et al.	.....	257/98
5,406,083 A	*	4/1995	Sandell et al.	.....	250/353
D367,848 S	*	3/1996	Harada et al.	.....	D13/165

5,512,784 A	*	4/1996	Fried et al.	.....	257/724
D373,759 S	*	9/1996	Tanaka et al.	.....	D13/165
D374,189 S	*	10/1996	Hubben	.....	D10/106
5,564,819 A	*	10/1996	Yamaguchi	.....	362/241
D432,095 S	*	10/2000	Seeger et al.	.....	D13/182
6,335,548 B1	*	1/2002	Roberts et al.	.....	257/98
6,362,517 B1	*	3/2002	Bell et al.	.....	257/678
6,441,943 B1	*	8/2002	Roberts et al.	.....	359/267
6,476,481 B2	*	11/2002	Woodworth et al.	.....	257/696
D482,666 S	*	11/2003	Kamada	.....	D13/182
6,670,207 B1	*	12/2003	Roberts	.....	438/27
D486,801 S	*	2/2004	Suenaga	.....	D13/182
2002/0056806 A1	*	5/2002	Bechtel et al.	.....	250/214.1
2003/0171028 A1	*	9/2003	Chang et al.	.....	439/540.1

\* cited by examiner

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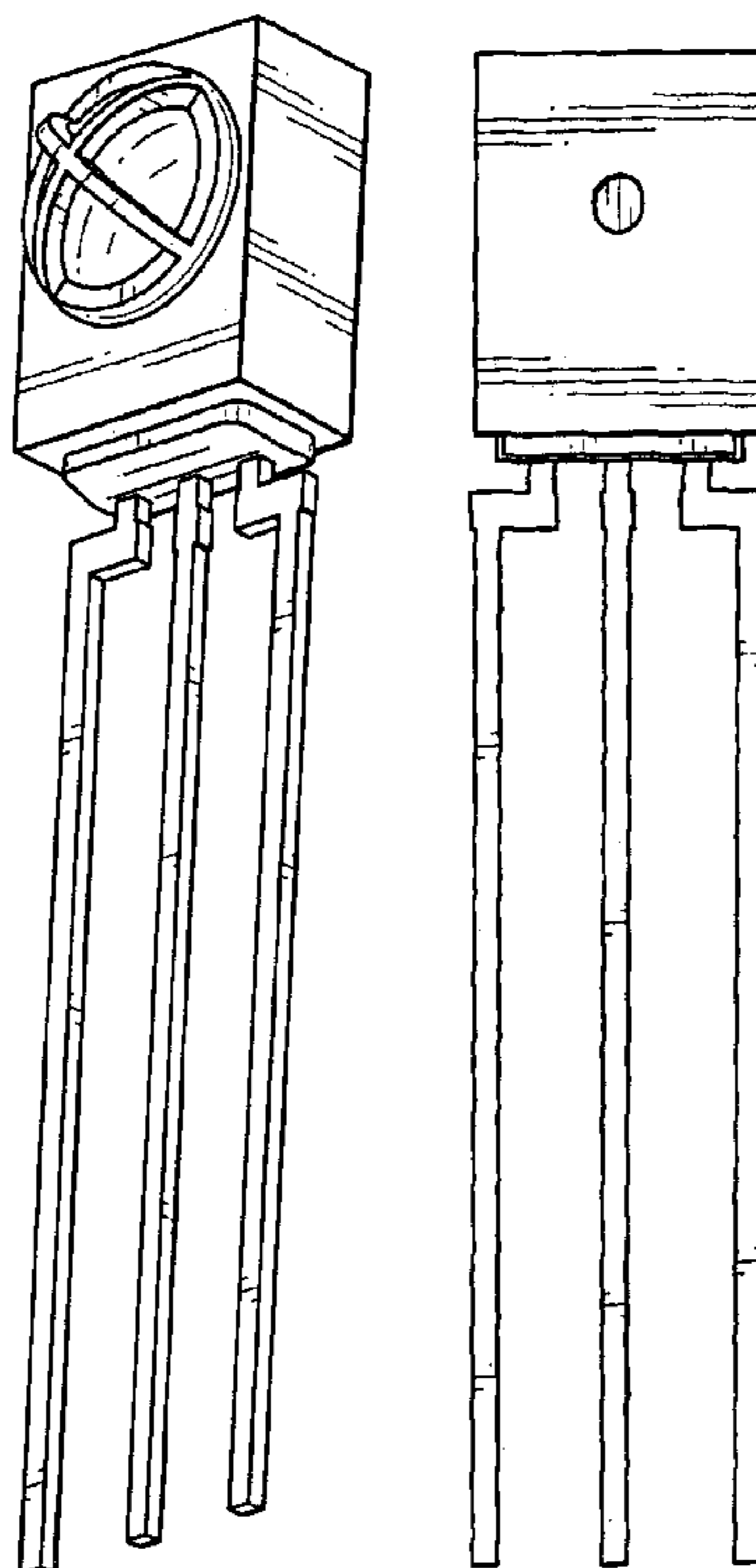
(57) **CLAIM**

The ornamental design for an “infrared sensor,” as shown and described.

**DESCRIPTION**

FIG. 1 is a bottom, front and right side perspective view of an infrared sensor according to our design; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom plan view thereof; and, FIG. 6 is a right side elevational view, the left side being a mirror image thereof.

**1 Claim, 3 Drawing Sheets**



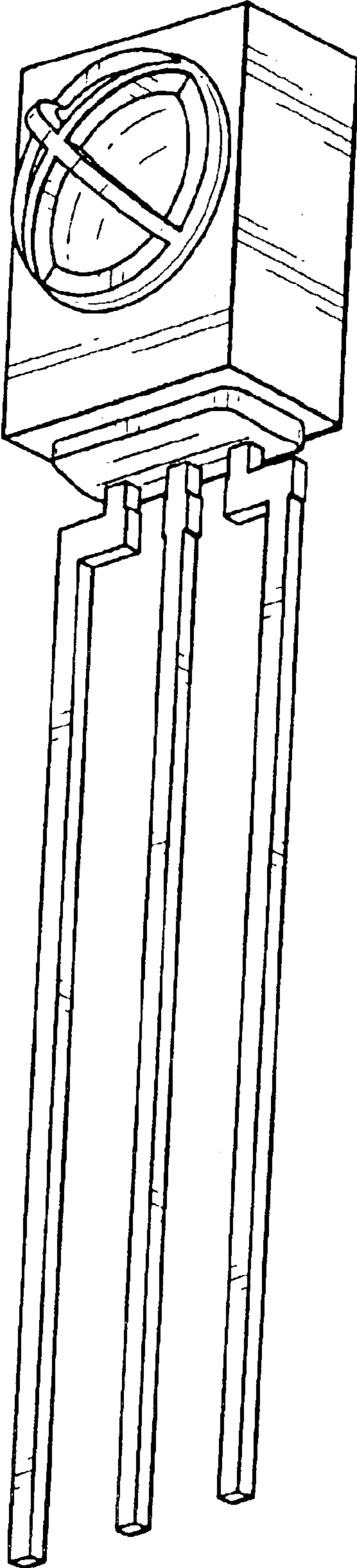


Fig. 1

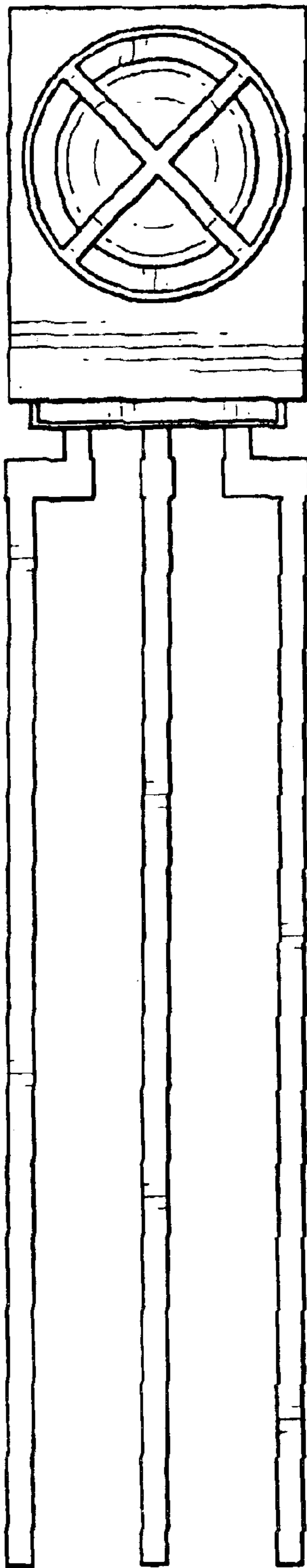


Fig. 2

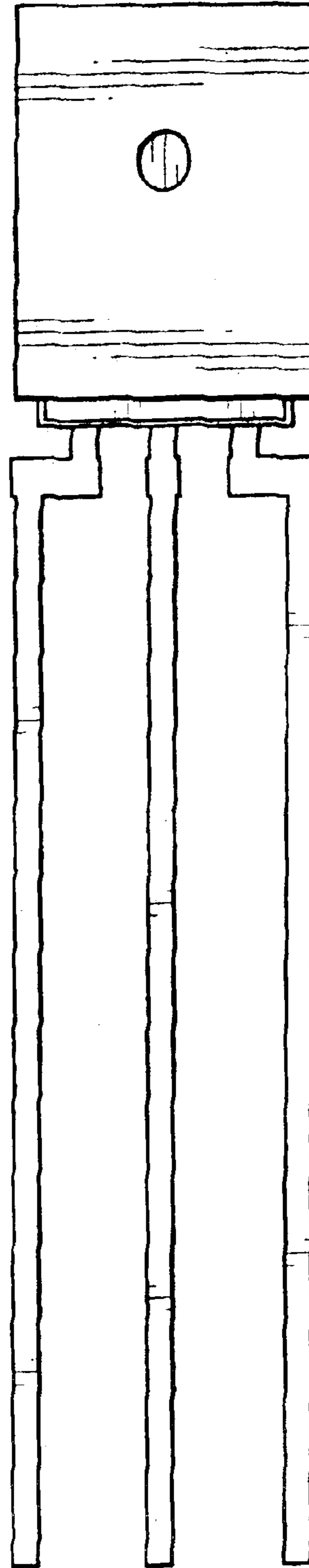


Fig. 3

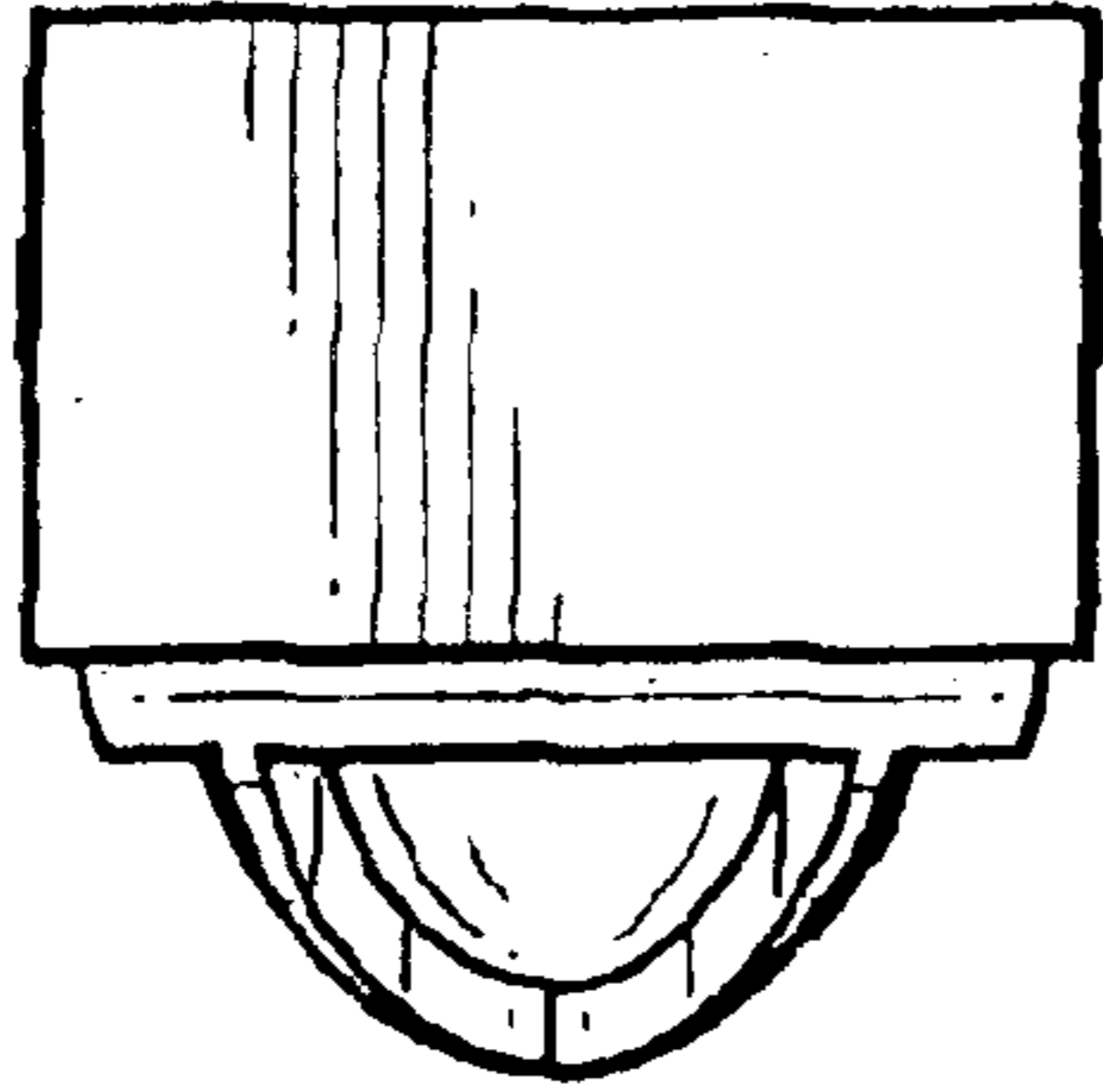


Fig. 4

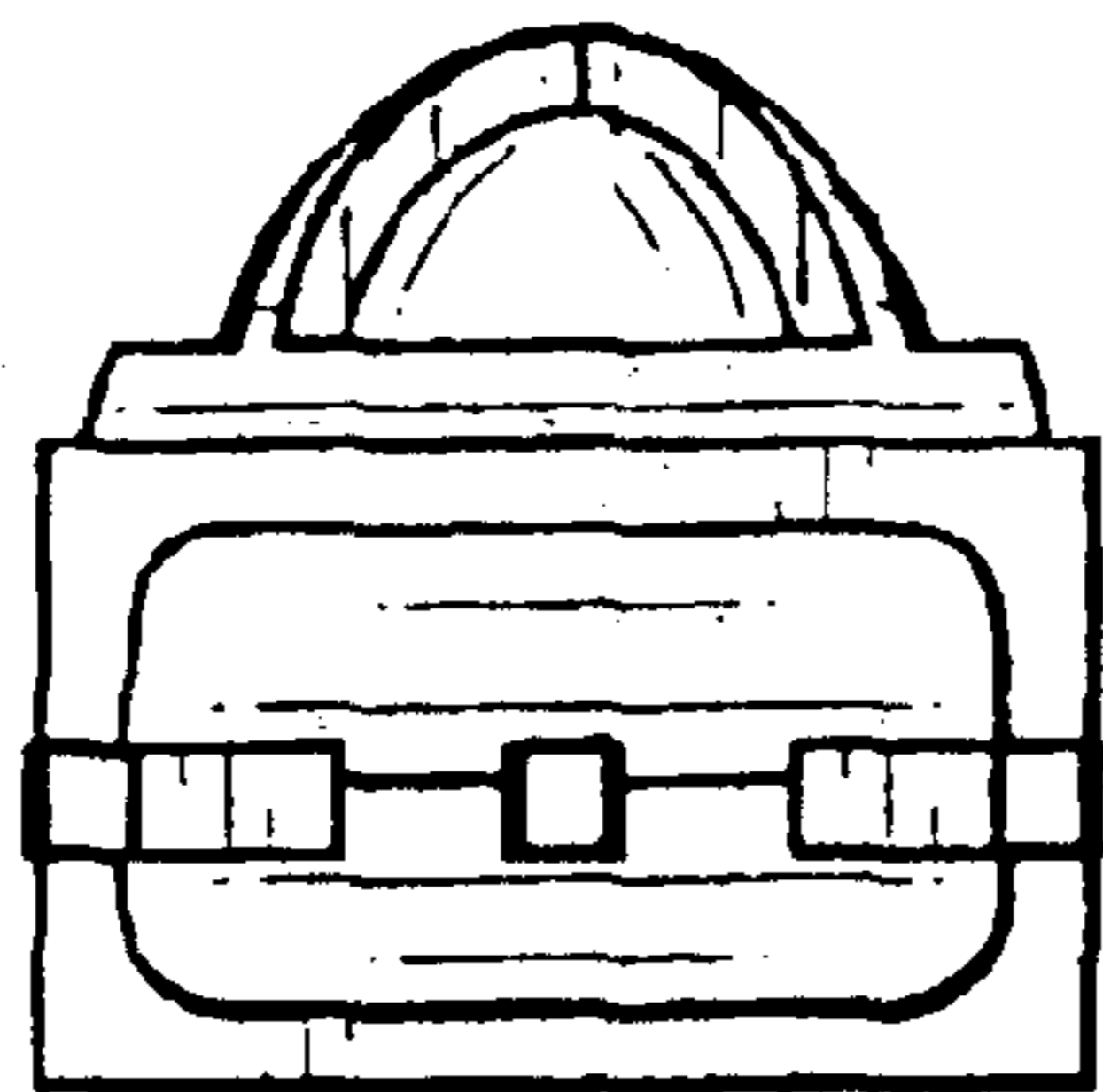


Fig. 5

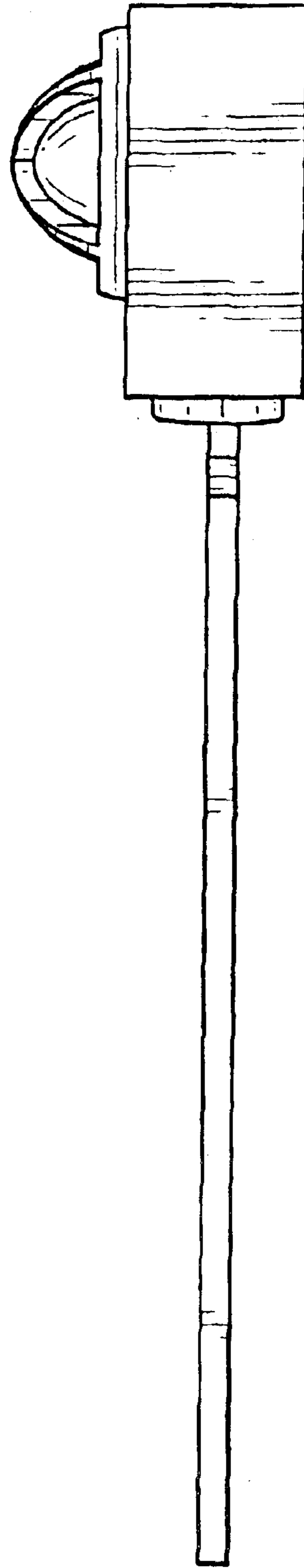


Fig. 6