



US00D400461S

# United States Patent [19] Cardinal

[11] **Patent Number: Des. 400,461**

[45] **Date of Patent: \*\*Nov. 3, 1998**

[54] **VERTICALLY ARRANGED SMOKE  
DETECTOR**

D. 337,734 7/1993 Platt ..... D10/106  
D. 368,041 3/1996 Skog ..... D10/106

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Moriarty & McNett

[73] Assignee: **Fire Safety, Inc.**, Bicknell, Ind.

[\*\*] Term: **14 Years**

[57] **CLAIM**

[21] Appl. No.: **82,323**

The ornamental design for a vertically arranged smoke detector, as shown and described.

[22] Filed: **Jan. 20, 1998**

**DESCRIPTION**

[51] **LOC (6) Cl.** ..... **10-05**

[52] **U.S. Cl.** ..... **D10/106**

[58] **Field of Search** ..... D10/104, 106,  
D10/116, 121; 340/540, 541, 545, 571,  
572, 573, 627, 628, 629, 630

FIG. 1 is a front view of the smoke detector incorporating my new design, with the broken line showing for illustrative purposes only and forming no part of the claimed design; FIG. 2 is a right side view with the left side view being a mirror image thereof;

FIG. 3 is an enlarged top view;

FIG. 4 is an enlarged bottom view; and,

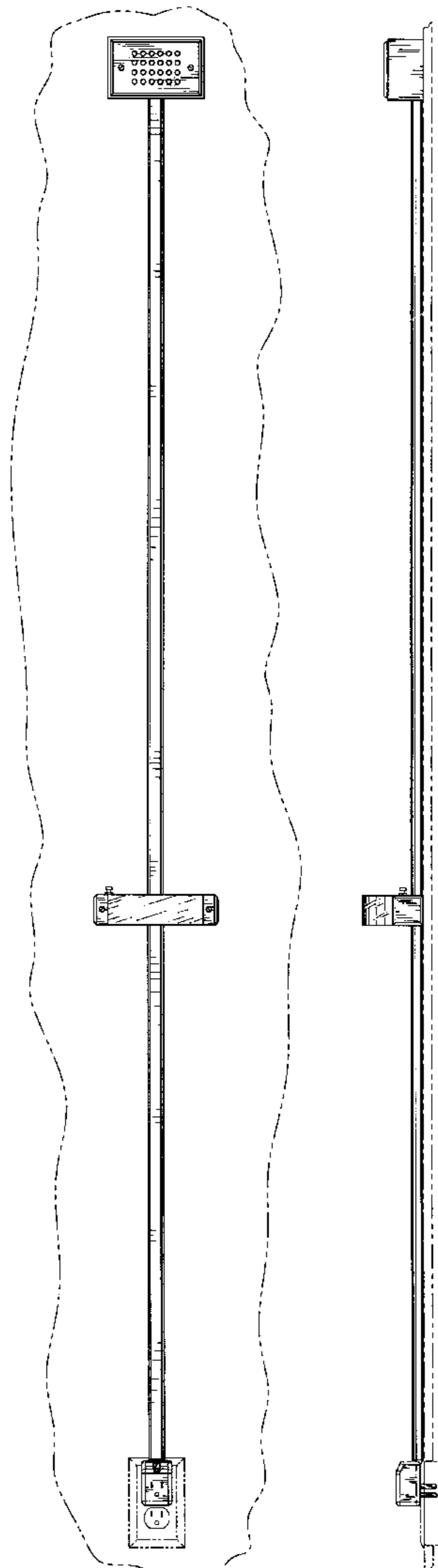
FIG. 5 is a rear view.

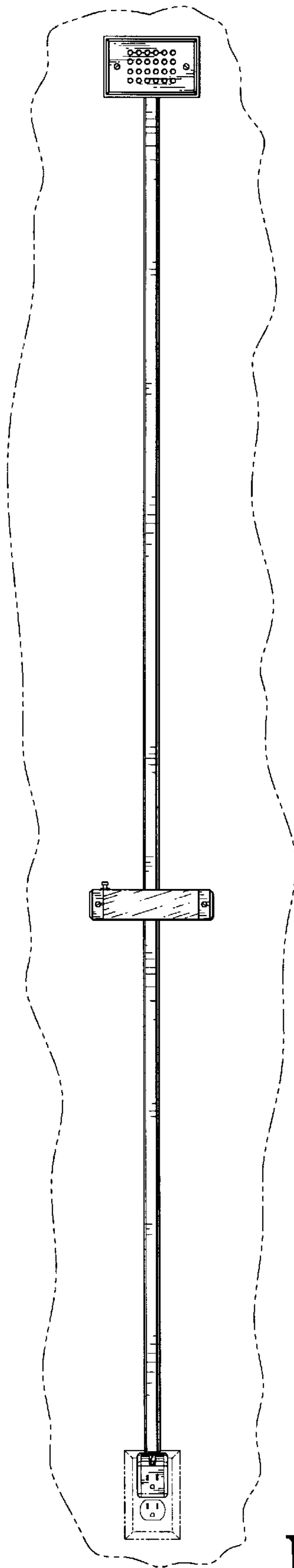
[56] **References Cited**

**U.S. PATENT DOCUMENTS**

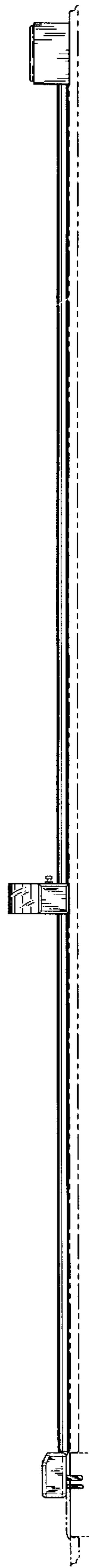
D. 320,571 10/1991 Ray ..... D10/106  
D. 333,796 3/1993 Bannon ..... D10/106

**1 Claim, 3 Drawing Sheets**

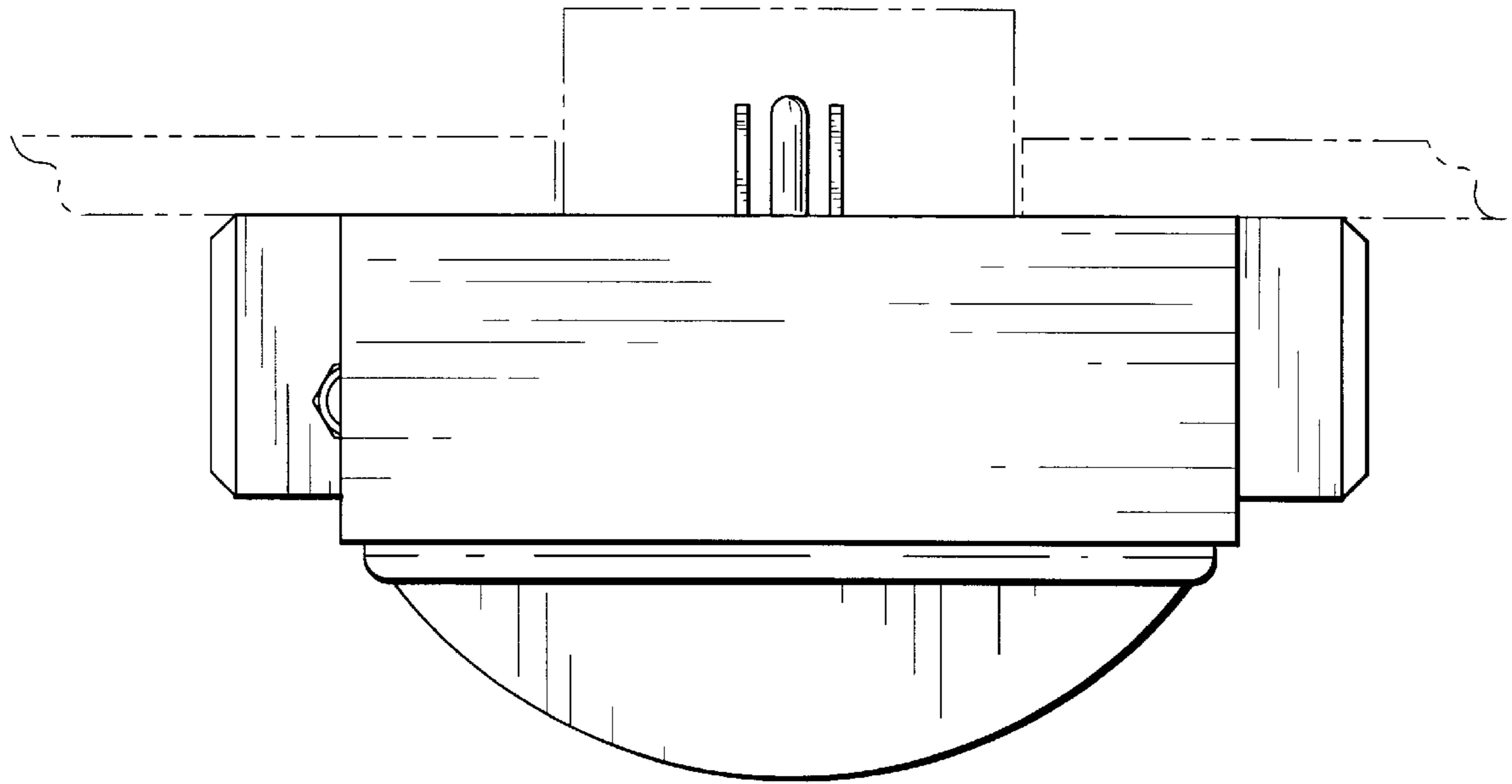




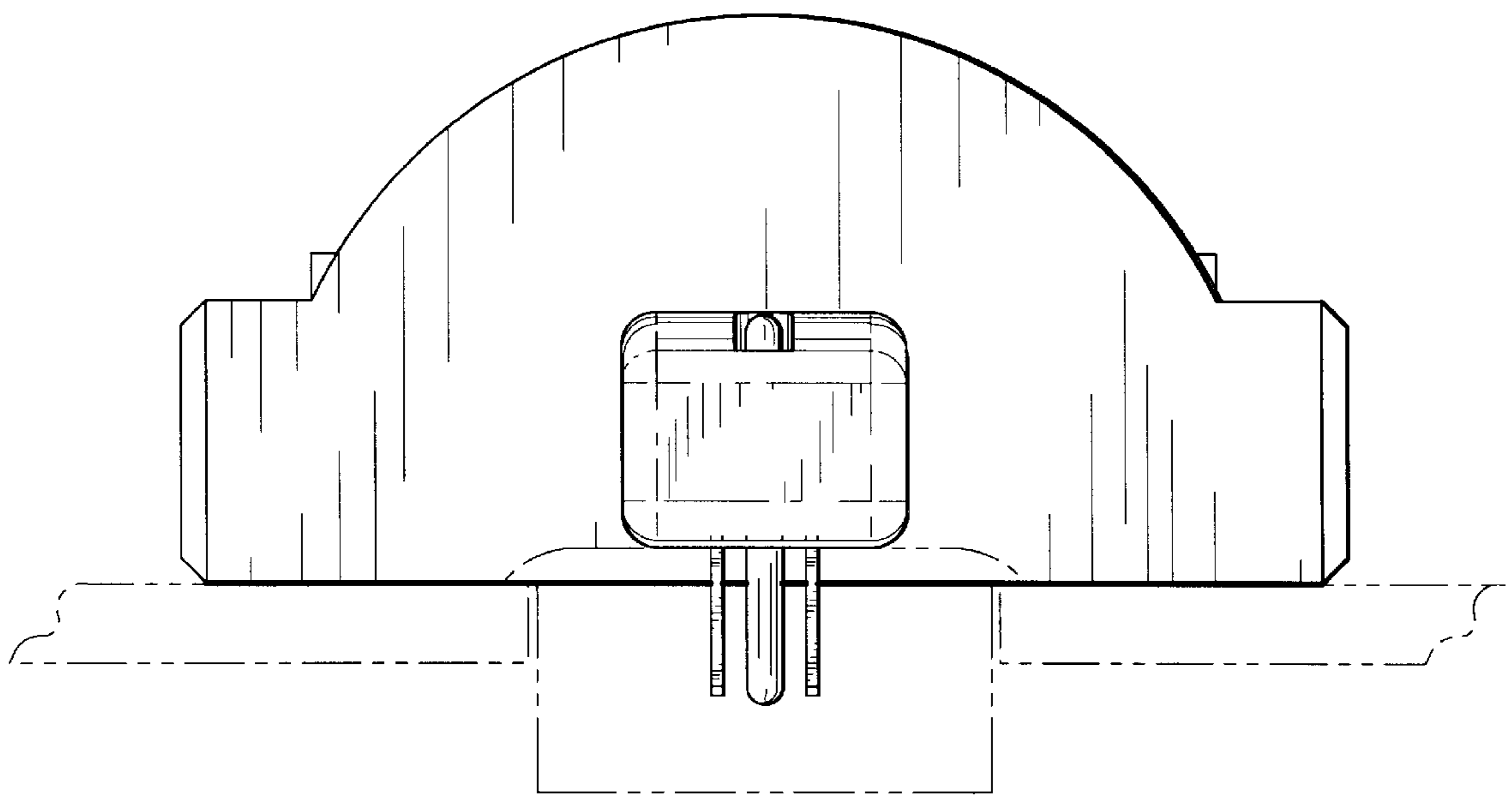
**Fig. 1**



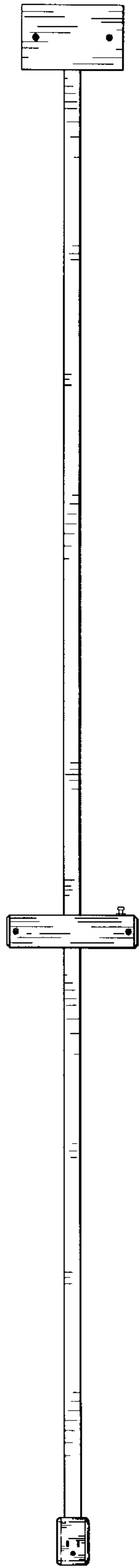
**Fig. 2**



**Fig. 3**



**Fig. 4**



**Fig. 5**