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(12) **United States Design Patent** (10) **Patent No.:** **US D488,168 S**
Simmons et al. (45) **Date of Patent:** **** Apr. 6, 2004**

(54) **AIR ACTUATOR**
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(**) Term: **14 Years**

5,938,179 A 8/1999 Beukers et al.
5,962,826 A 10/1999 Bassin
5,979,864 A 11/1999 Eggleston
D426,243 S * 6/2000 Wang D15/8
D426,554 S * 6/2000 Wang D15/8
D428,422 S * 7/2000 Wang D15/8
D428,896 S * 8/2000 Wang D15/8
6,121,559 A 9/2000 Bassin
D436,361 S * 1/2001 Yu-Chin D15/8
D436,362 S * 1/2001 Yu-Chin D15/8
D455,155 S * 4/2002 Wang D15/8

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Related U.S. Application Data

(63) Continuation of application No. 09/633,528, filed on Aug. 7, 2000, now Pat. No. 6,513,418.
(51) **LOC (7) Cl.** **15-02**
(52) **U.S. Cl.** **D15/7**
(58) **Field of Search** D11/7-9; 92/92; 254/93 HP; 220/461, 565; 383/41, 109

References Cited

U.S. PATENT DOCUMENTS

2,724,418 A * 11/1955 Krupp 220/565
2,865,419 A * 12/1958 Cunningham 383/109
3,822,861 A 7/1974 Scott
3,982,731 A 9/1976 Tezuka
4,467,484 A 8/1984 Nagatake et al.
4,597,425 A * 7/1986 Tally 220/461
4,733,603 A 3/1988 Kukolj
4,751,869 A 6/1988 Paynter
4,754,107 A 6/1988 Tracey
4,773,519 A 9/1988 Candle et al.
4,850,955 A 7/1989 Newkirk
4,948,107 A 8/1990 Orndorff, Jr.
5,155,309 A 10/1992 Dwyer
D339,356 S * 9/1993 Tsai D15/8
5,461,207 A 10/1995 Van Lear
5,506,012 A 4/1996 Wright et al.

FOREIGN PATENT DOCUMENTS

DE 24 05 788 A1 8/1975
EP 0 626 338 A1 11/1994

* cited by examiner

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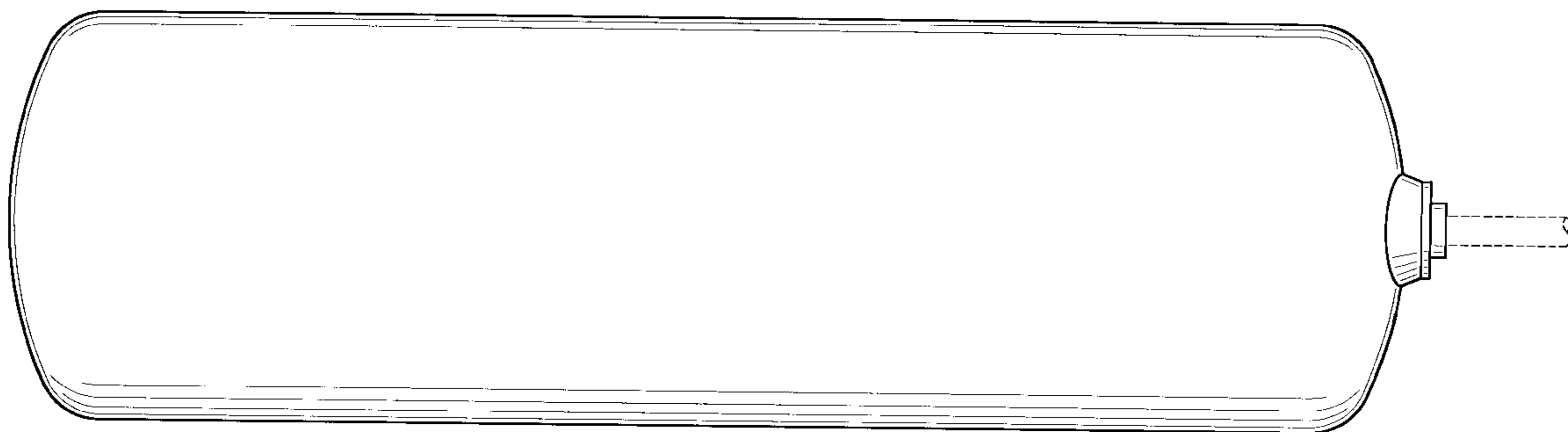
CLAIM

(57) The ornamental design for an air actuator, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of the air actuator, the bottom plan view being the same;
FIG. 2 is a side elevational view of the air actuator of FIG. 1, the opposite side being the same;
FIG. 3 is an end elevational view of the right end of FIG. 2;
FIG. 4 is an end elevational view of the left end of FIG. 2;
FIG. 5 is a top plan view of a second embodiment of the air actuator, the bottom plan view side being the same;
FIG. 6 is a side elevational view of the air actuator of FIG. 5, the opposite side being the same;
FIG. 7 is an end elevational view of the left end of FIG. 6; and,
FIG. 8 is an end elevational view of the right end of FIG. 6. The broken line showing of environmental matter is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 2 Drawing Sheets



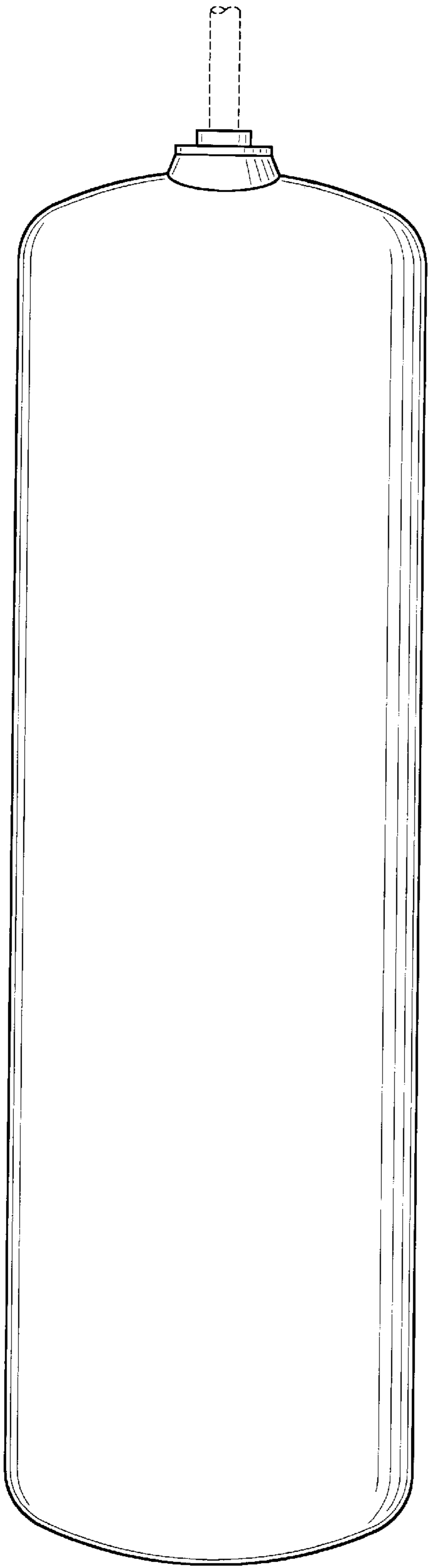


FIG-1

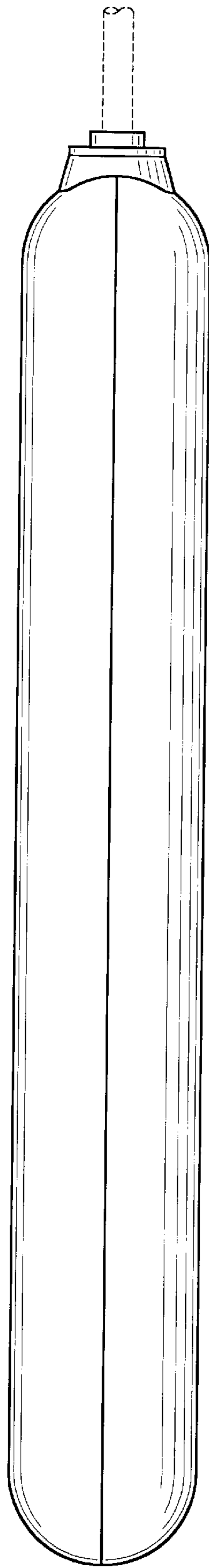


FIG-2

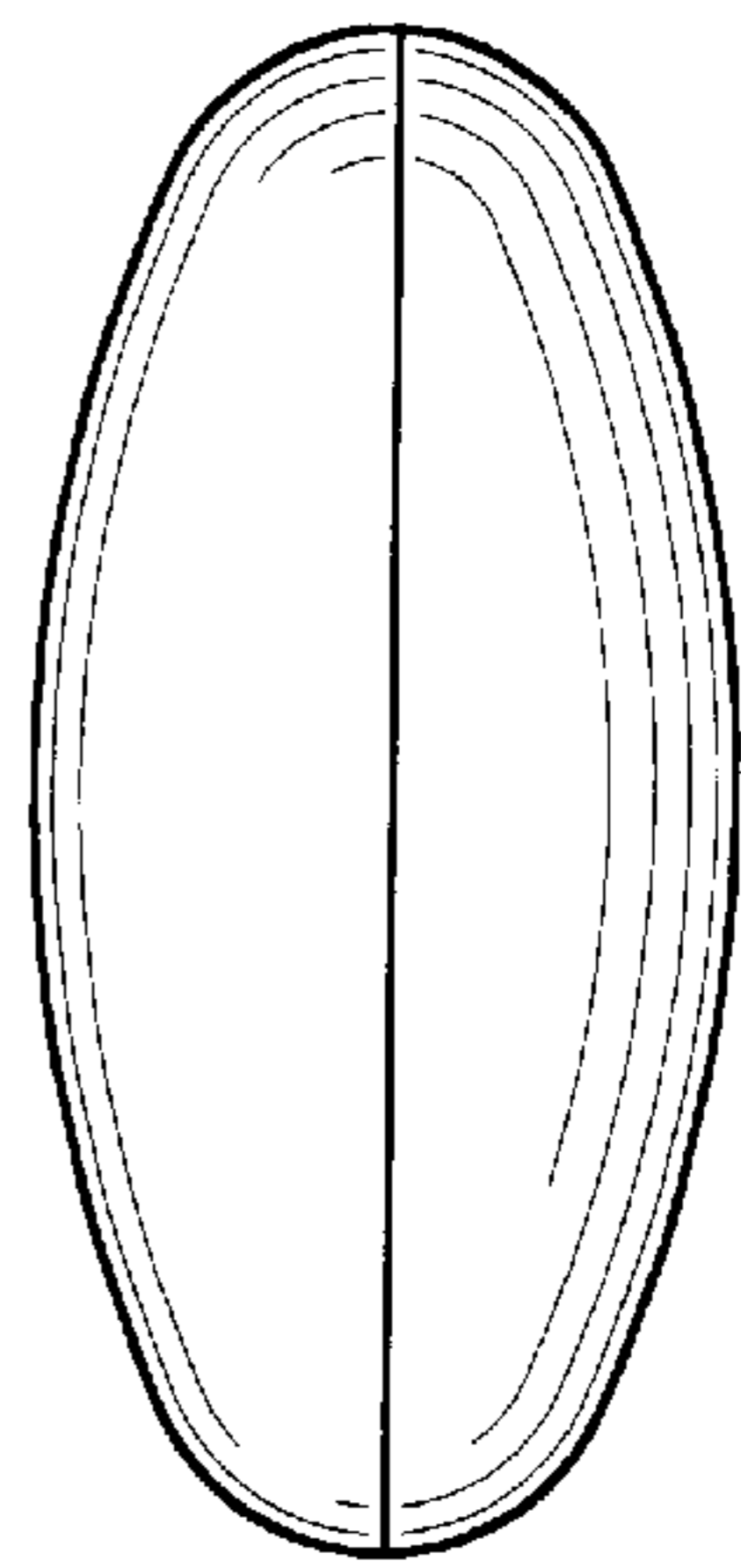


FIG-3

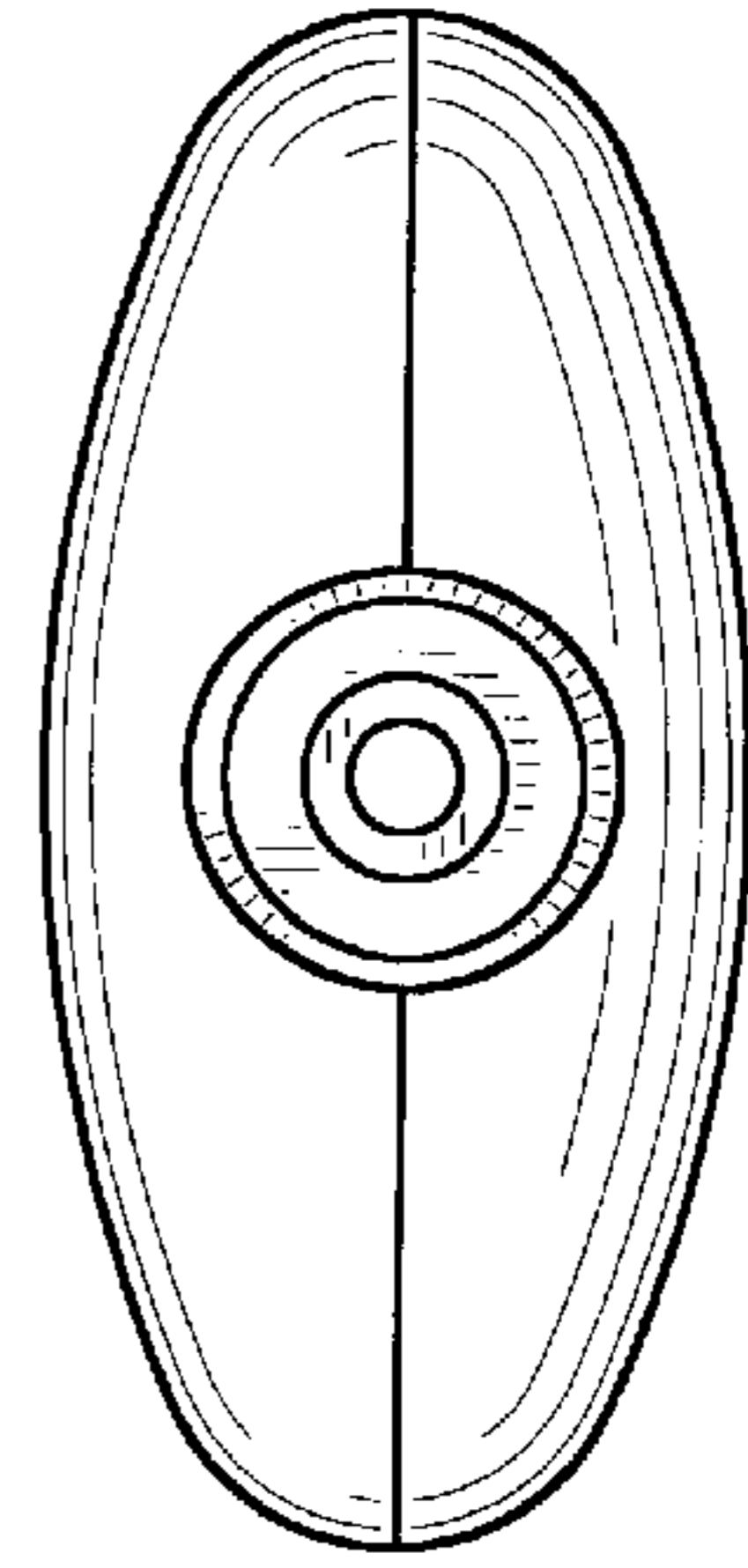


FIG-4

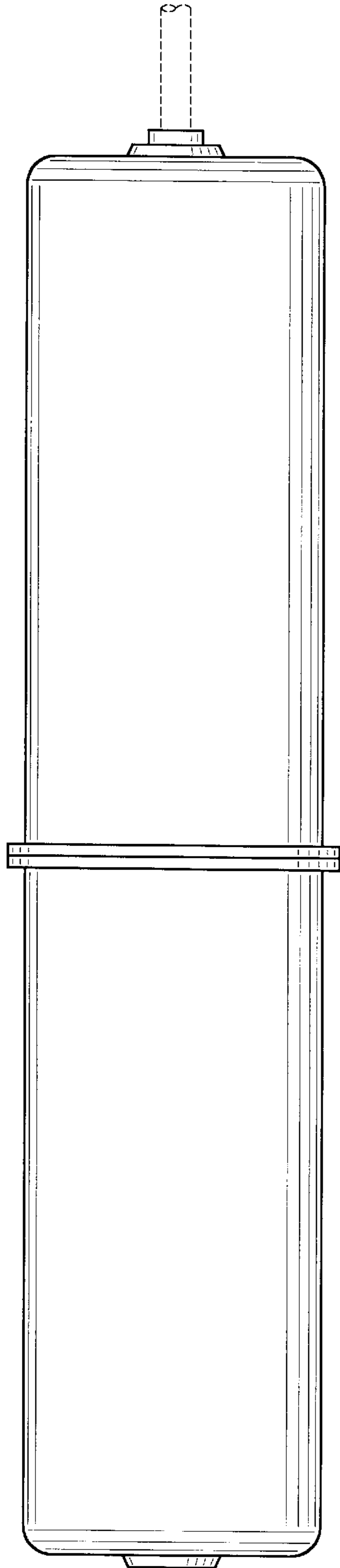


FIG-5

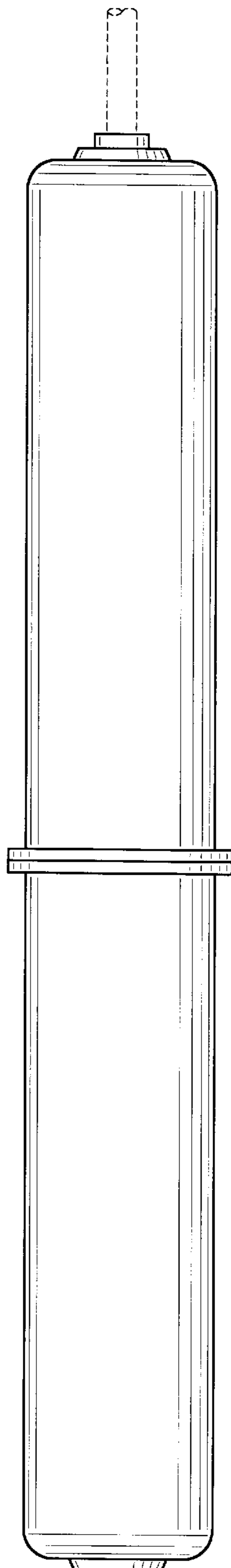


FIG-6

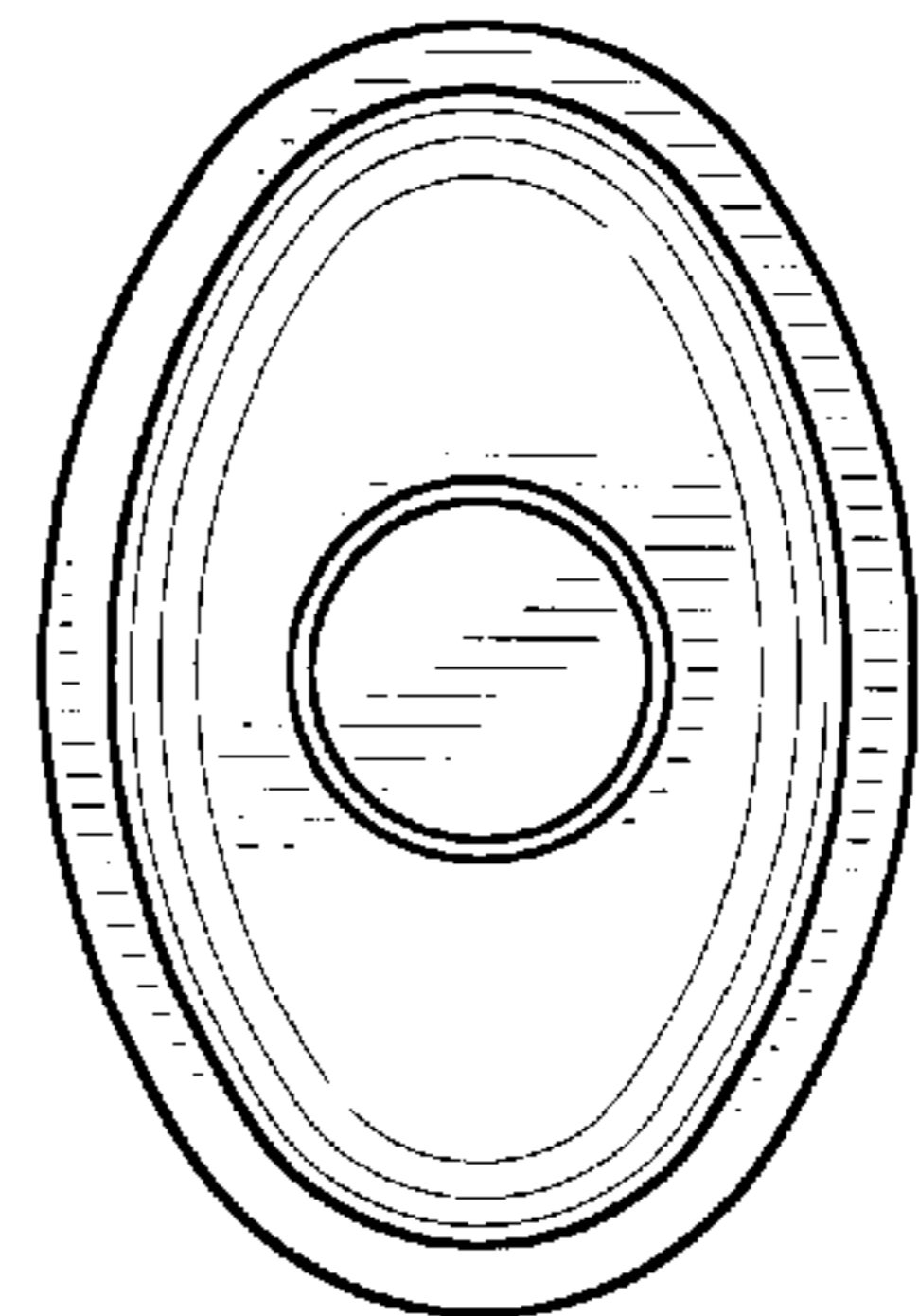


FIG-7

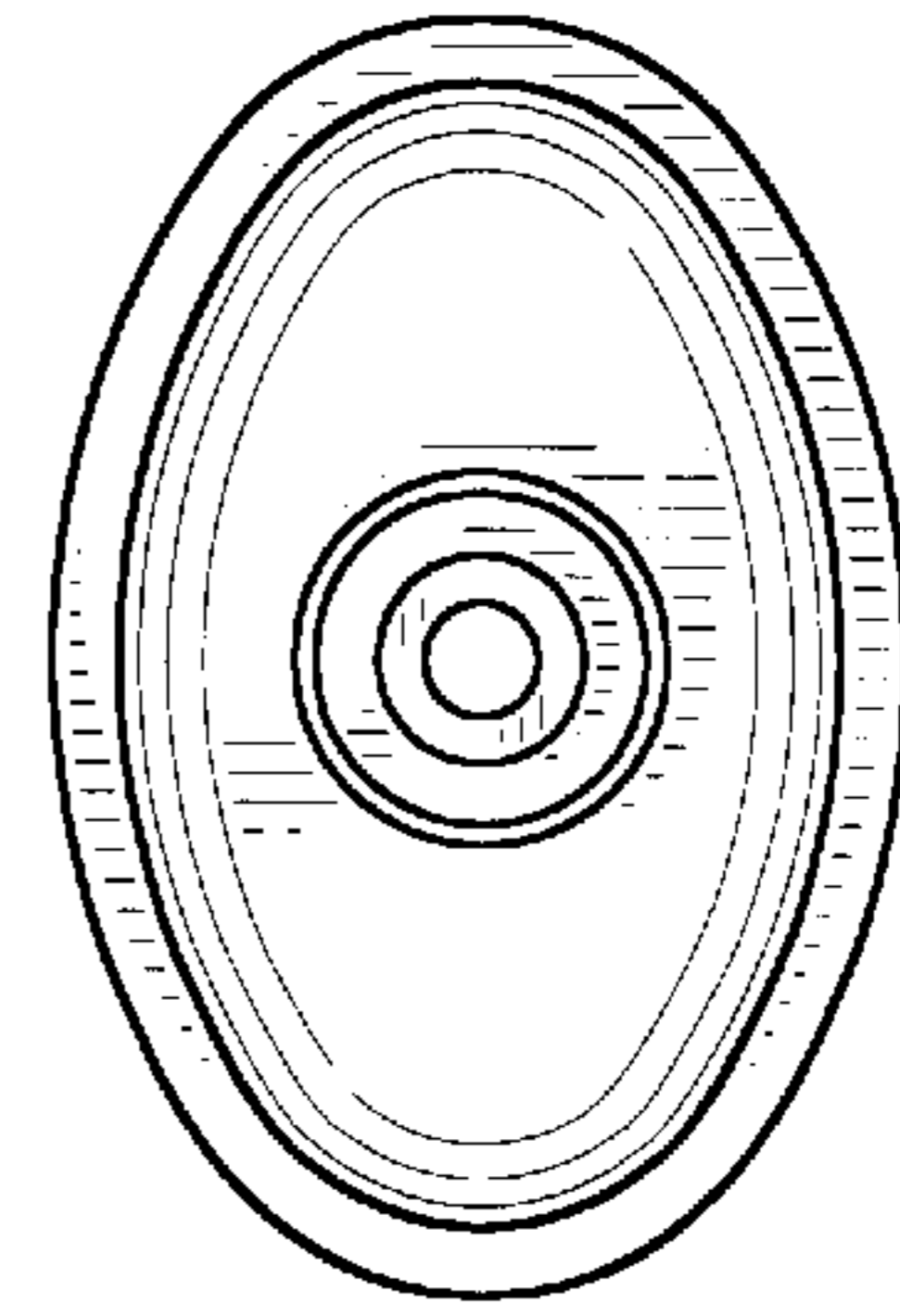


FIG-8