

US00D496984S1

(12) **United States Design Patent** (10) **Patent No.:** **US D496,984 S**
Costa et al. (45) **Date of Patent:** **** Oct. 5, 2004**

(54) **WATER PURIFIER**

6,190,547 B1 2/2001 King et al.

(75) Inventors: **Alvin Costa**, Tiverton, RI (US);
Richard T. Coffey, Pompano Beach, FL
(US); **Michael Pereira**, Smithfield, RI
(US); **Daniel Nelsen**, Providence, RI
(US); **Thomas Parent**, Providence, RI
(US); **Christopher Kampf**, Cranston,
RI (US); **Ryan White**, Georgetown,
MA (US)

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

AU	718005	7/2000
GB	2 348 945 A	10/2000
WO	WO 97/37939	10/1997
WO	WO 99/44949	9/1999
WO	WO 03/040038 A2	5/2003
ZA	97/2867	3/1999

(73) Assignee: **Zodiac Pool Care, Inc.**, Pompano
Beach, FL (US)

OTHER PUBLICATIONS

Patent Abstracts of Japan, vol. 2002, No. 02, Apr. 2, 2002
and JP 2001 276828 A (Miyazaki, Tomoyoshi, Miyazaki
Akiko) Oct. 9, 2001 Abstract.

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

(List continued on next page.)

(21) Appl. No.: **29/180,122**

Primary Examiner—Robin V. Taylor

(22) Filed: **Apr. 18, 2003**

(74) *Attorney, Agent, or Firm*—Bruce D. Gray; Dean W.
Russell; Kilpatrick Stockton LLP

(51) **LOC (7) Cl.** **23-01**

(52) **U.S. Cl.** **D23/207**

(58) **Field of Search** D23/207, 209;
210/238, 341, 470

(57) **CLAIM**

The ornamental design for a water purifier, as shown and
described.

(56) **References Cited**

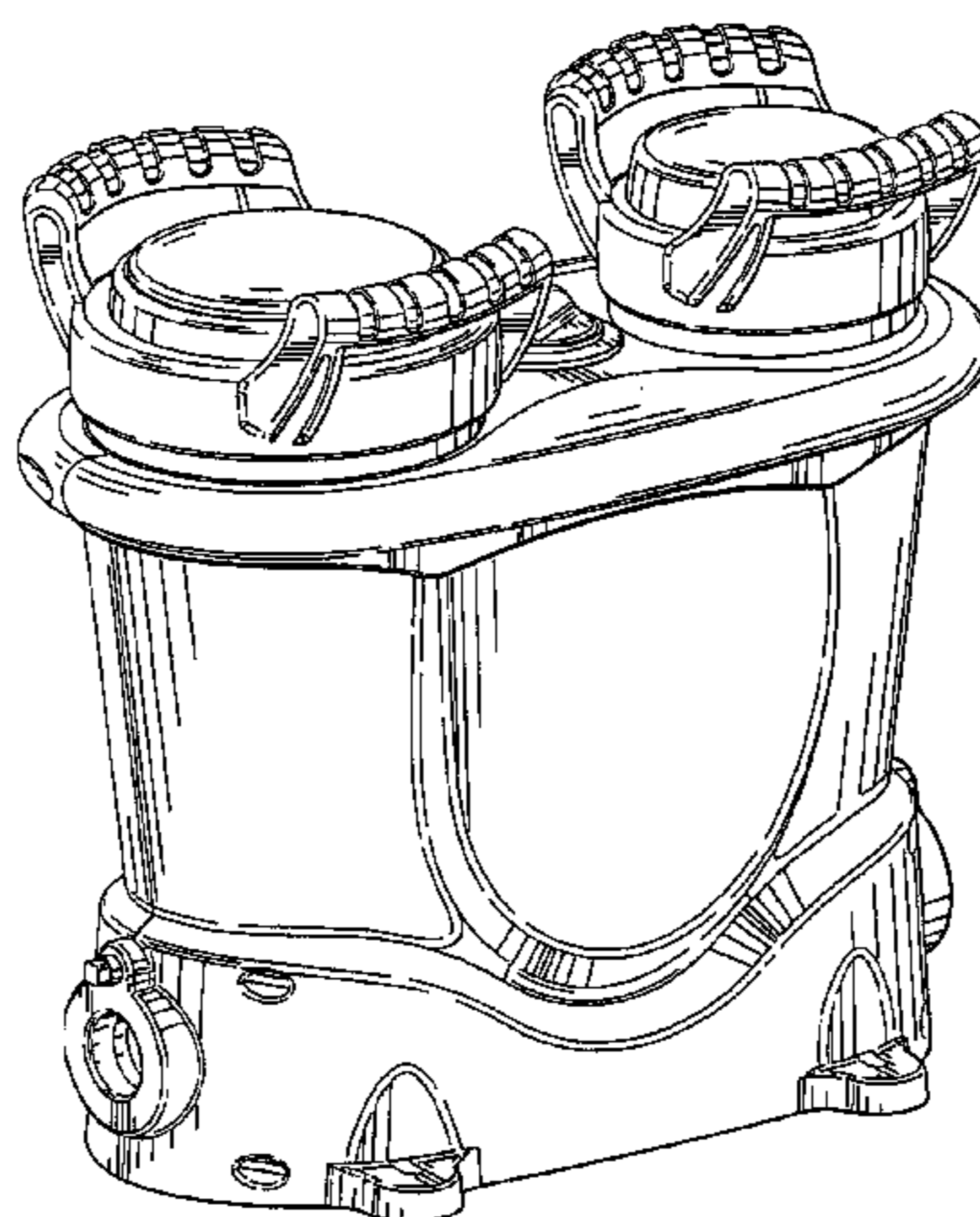
U.S. PATENT DOCUMENTS

4,263,114 A	4/1981	Shindell	
4,328,084 A	5/1982	Shindell	
4,364,814 A	12/1982	Langley	
4,451,341 A	5/1984	Miller	
4,680,114 A	7/1987	Hayes	
4,781,805 A	11/1988	Dahlgren	
4,936,979 A	6/1990	Brown	
4,992,156 A	2/1991	Silveri	
5,076,315 A	12/1991	King	
5,746,923 A	5/1998	Forward	
5,772,896 A	6/1998	Denkewicz, Jr. et al.	
5,792,369 A	8/1998	Johnson	
5,935,609 A	8/1999	Denkewicz, Jr. et al.	
5,993,669 A	11/1999	Fulmer	
5,993,753 A	11/1999	Davidson	
6,039,883 A	3/2000	Milde et al.	
D428,469 S	* 7/2000	Puiggros Roig D23/209
6,093,422 A	7/2000	Senderov	
6,132,627 A	10/2000	Joko et al.	

DESCRIPTION

FIG. 1 is a front elevational view of the new design for a
water purifier;
FIG. 2 is a back elevational view of the new design for a
water purifier;
FIG. 3 is a perspective view of the new design for a water
purifier;
FIG. 4 is a right side elevational view of the new design for
a water purifier;
FIG. 5 is a left side elevational view of the new design for
a water purifier;
FIG. 6 is a top plan view of the new design for a water
purifier; and,
FIG. 7 is a bottom plan view of the new design for a water
purifier.

1 Claim, 7 Drawing Sheets



U.S. PATENT DOCUMENTS

6,197,195 B1 3/2001 Booth et al.
6,207,060 B1 3/2001 McKa
6,210,566 B1 4/2001 King
6,221,321 B1 4/2001 Fleischer et al.
6,224,744 B1 5/2001 Casado Gimenez et al.
6,224,779 B1 5/2001 Spector
6,254,788 B1 7/2001 Davidson
6,254,894 B1 7/2001 Denkewicz, Jr. et al.
6,287,462 B1 9/2001 Likos
D477,050 S * 7/2003 Goodwin D23/209

2002/0189954 A1 12/2002 Miyazaki et al.

OTHER PUBLICATIONS

International Search Report in related PCT/US02/34491.
Fifth Edition *Chemical Engineers' Handbook*, Robert H. Perry/Cecil H. Chilton (published by McGraw-Hill Book Company), Section 5 Fluid and Particle Mechanics, pp. 5-10 thru 5-15, (copyright 1973).

* cited by examiner

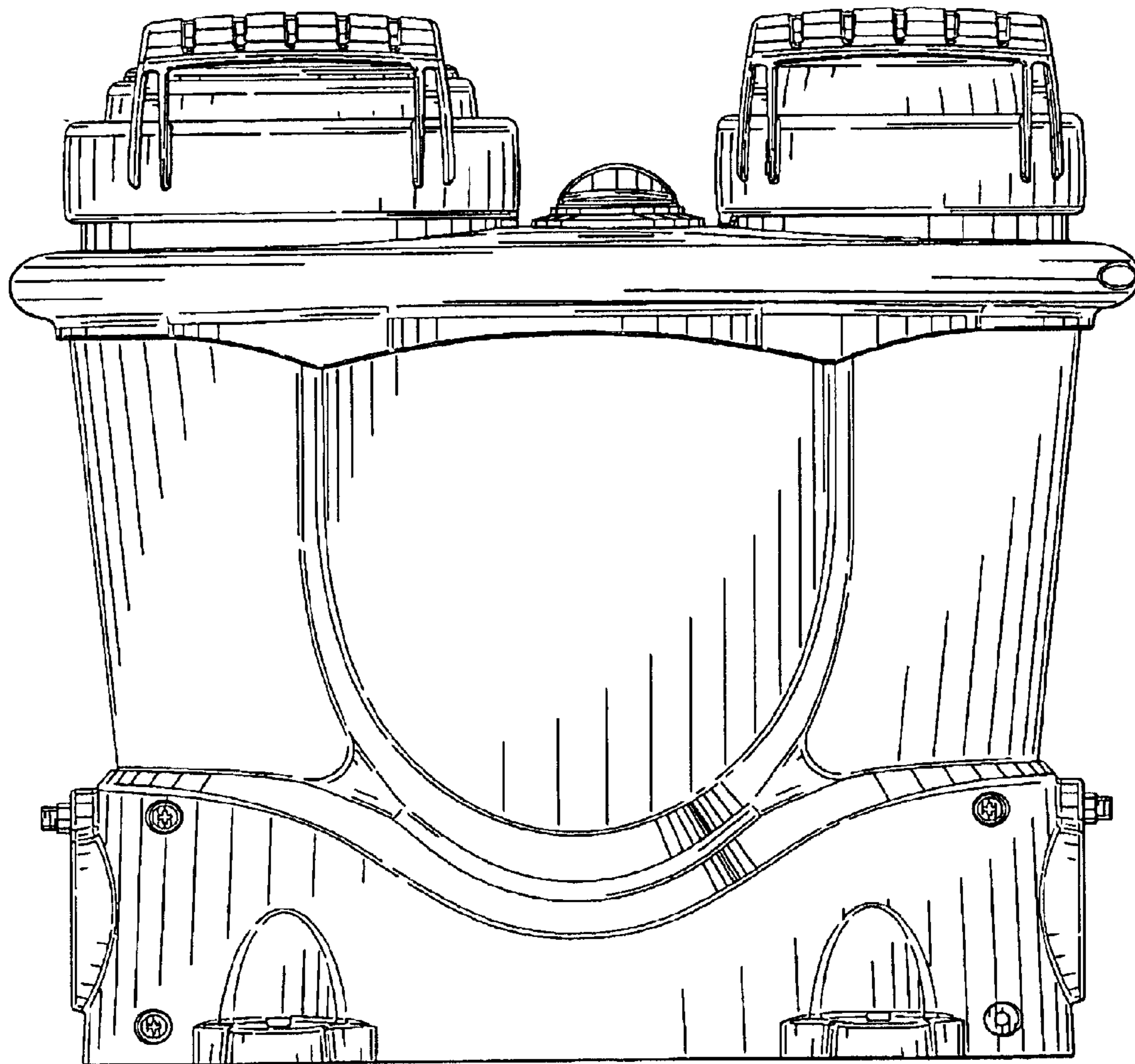


FIG. 1

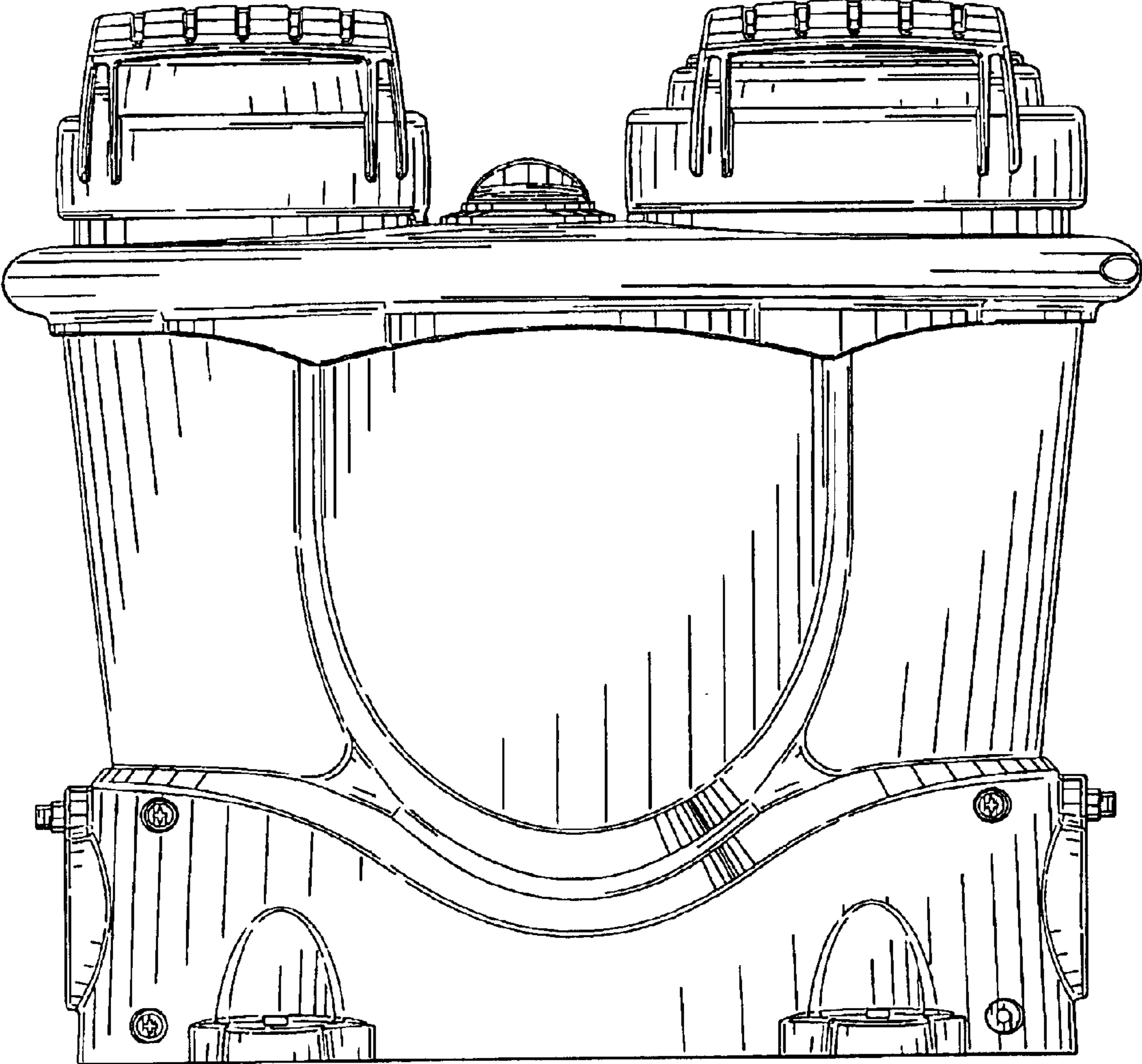


FIG. 2

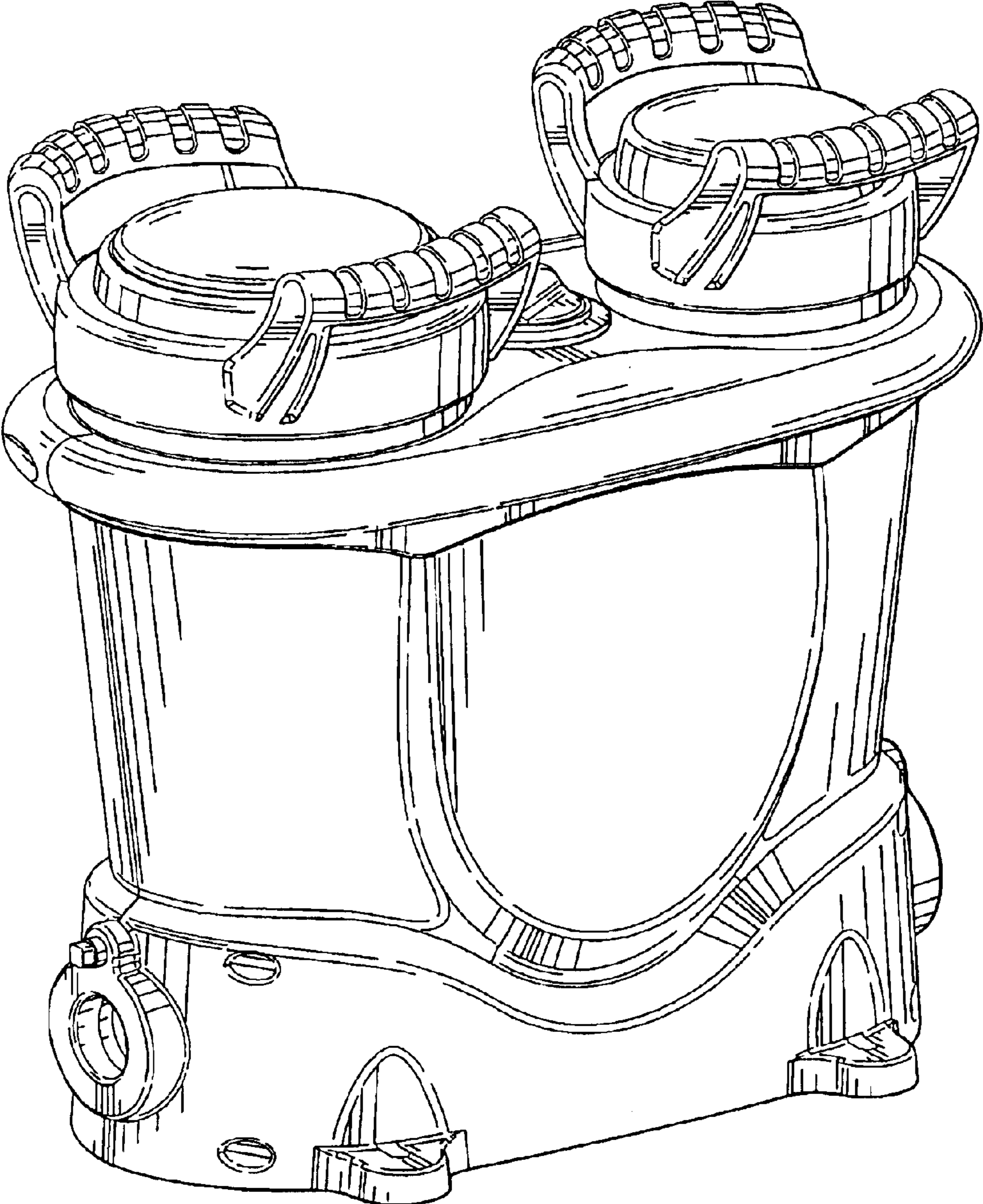


FIG. 3

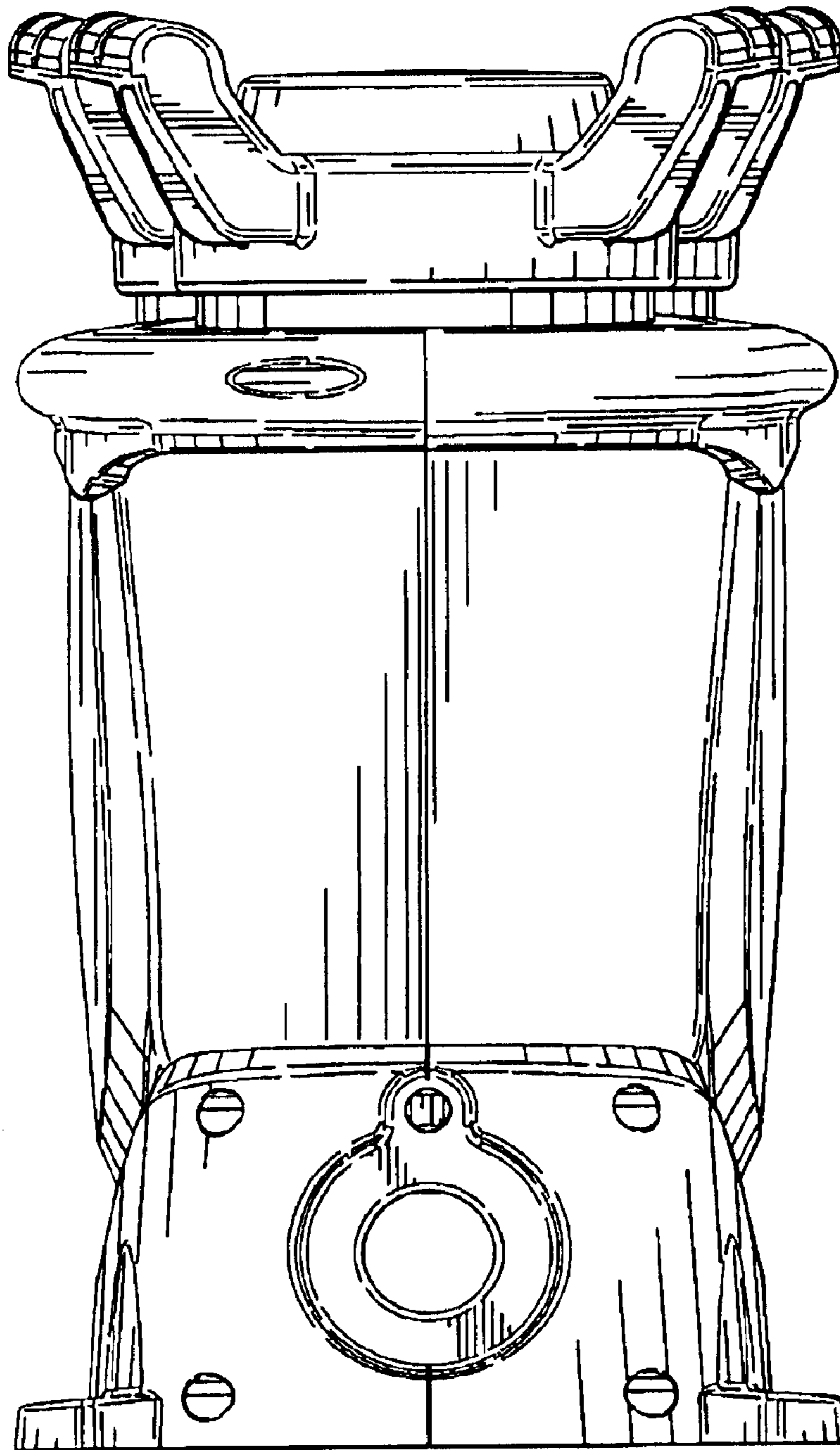


FIG. 4

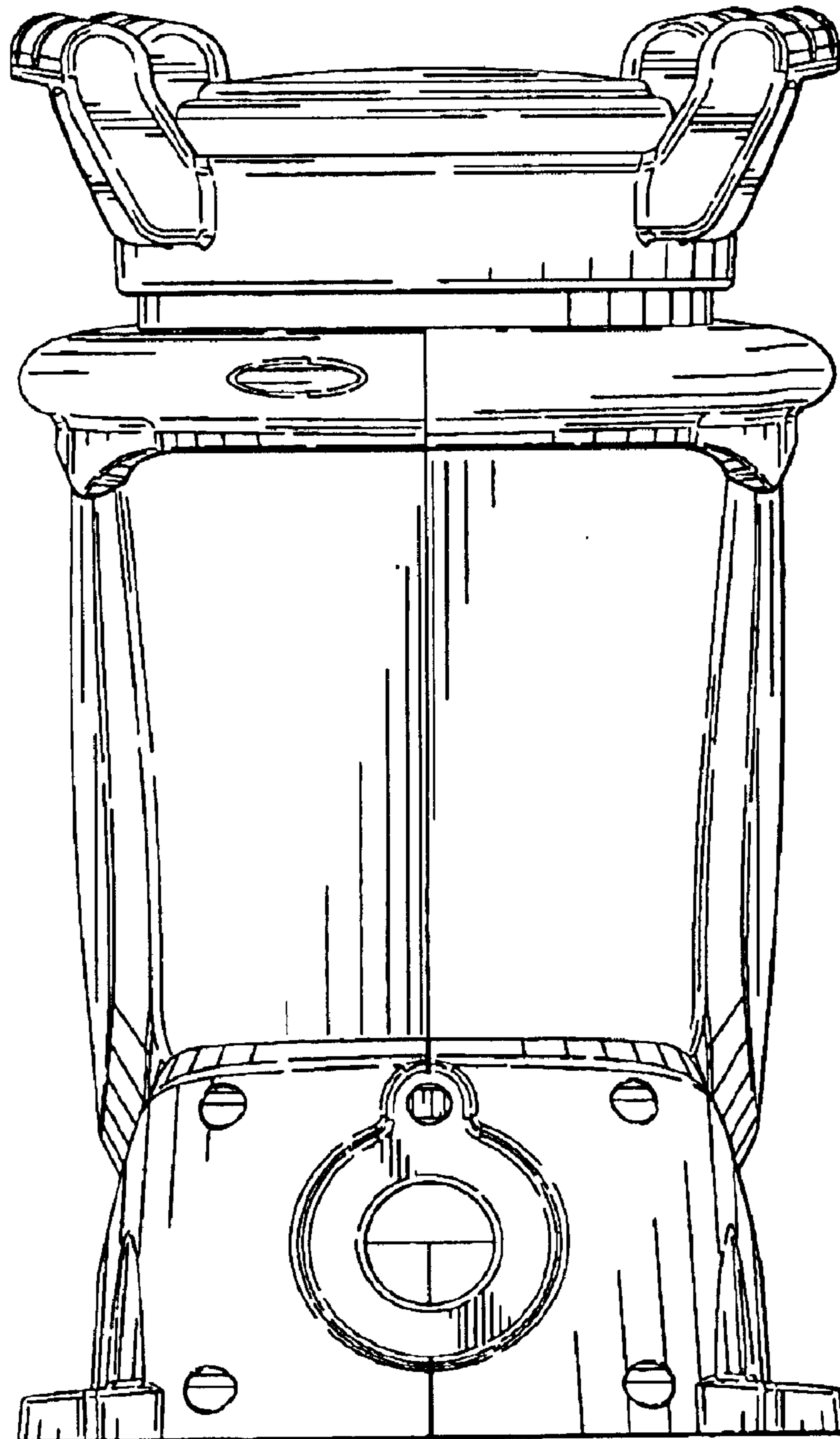


FIG. 5

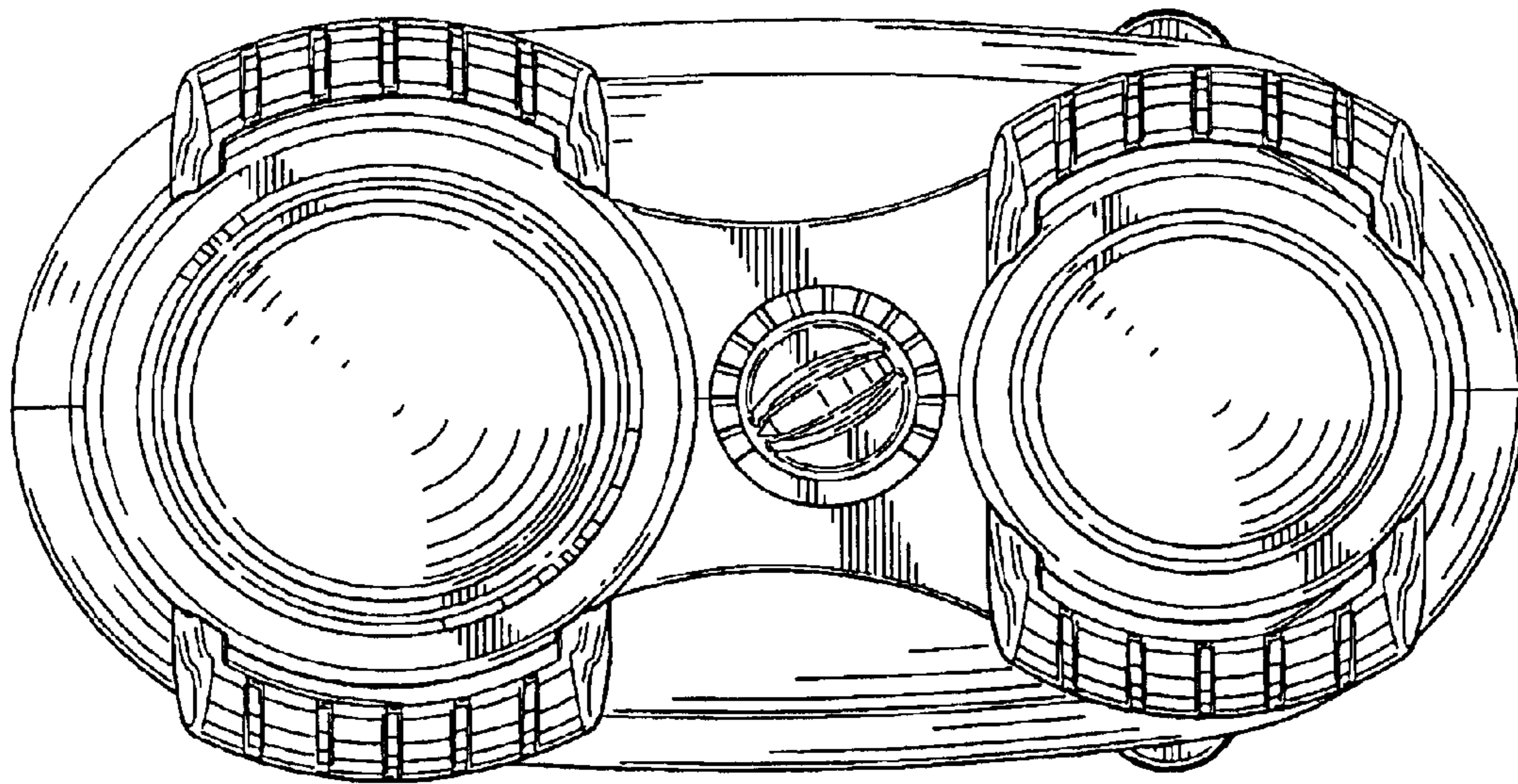


FIG. 6

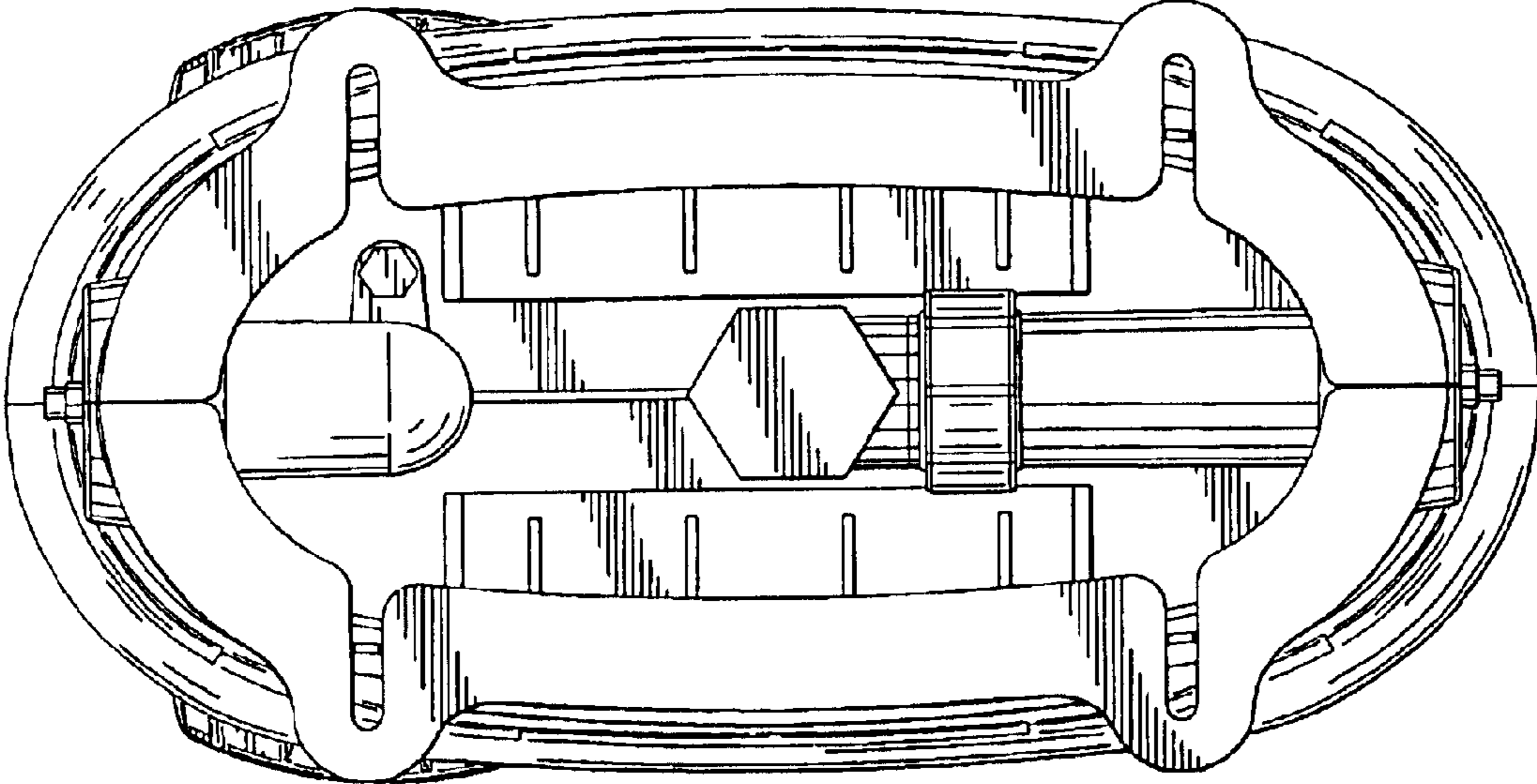


FIG. 7