



US00D822302S

(12) **United States Design Patent** (10) **Patent No.:** **US D822,302 S**  
**Intravatola** (45) **Date of Patent:** **\*\* Jul. 3, 2018**

(54) **AIR CYLINDER CART FRAME**

FOREIGN PATENT DOCUMENTS

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EP 0400378 A2 12/1990  
FR 2640217 A1 6/1990

(Continued)

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OTHER PUBLICATIONS

(73) Assignee: **AIR SYSTEMS, INC.**, Chesapeake, VA (US)

Airsystems. Small Cylinder Air Cart, Nov. 20, 2017. <http://www.airsystems.com/index.php/bottleaircarts/small-cylinder-cart>.  
Shown on p. 1. (Year: 2017).\*

(\*\*) Term: **15 Years**

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(21) Appl. No.: **29/578,530**

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(22) Filed: **Sep. 22, 2016**

(57) **CLAIM**

(51) **LOC (11) Cl.** ..... **12-02**

The ornamental design for an air cylinder cart frame, as shown and described.

(52) **U.S. Cl.**

USPC ..... **D34/12**

**DESCRIPTION**

(58) **Field of Classification Search**

USPC ..... 280/47.19, 47.24, 47.26, 47.27, 47.28, 280/47.35, 79.11, 79.2, 79.3; D6/336; D34/12, 13, 14, 15, 16, 17, 18, 19, 20, D34/21, 22, 23, 24, 25, 26, 27

CPC ..... B62B 1/008; B62B 2202/12; B62B 3/02  
See application file for complete search history.

FIG. 1 is a top perspective view an air cylinder cart frame; FIG. 2 is a bottom perspective view of the air cylinder cart frame shown in FIG. 1 from a side opposite that shown in FIG. 1;

FIG. 3 is a front elevation view of the air cylinder cart frame shown in FIG. 1;

FIG. 4 is a rear elevation view of the air cylinder cart frame shown in FIG. 1;

FIG. 5 is a top plan view of the air cylinder cart frame shown in FIG. 1;

FIG. 6 is a bottom view of the air cylinder cart frame shown in FIG. 1;

FIG. 7 is a right side elevation view of the air cylinder cart frame shown in FIG. 1; and,

FIG. 8 is a left side elevation view of the air cylinder cart frame shown in FIG. 1.

The broken lines shown in the figures are for the purpose of illustrating portions of the air cylinder cart frame which form no part of the claimed design.

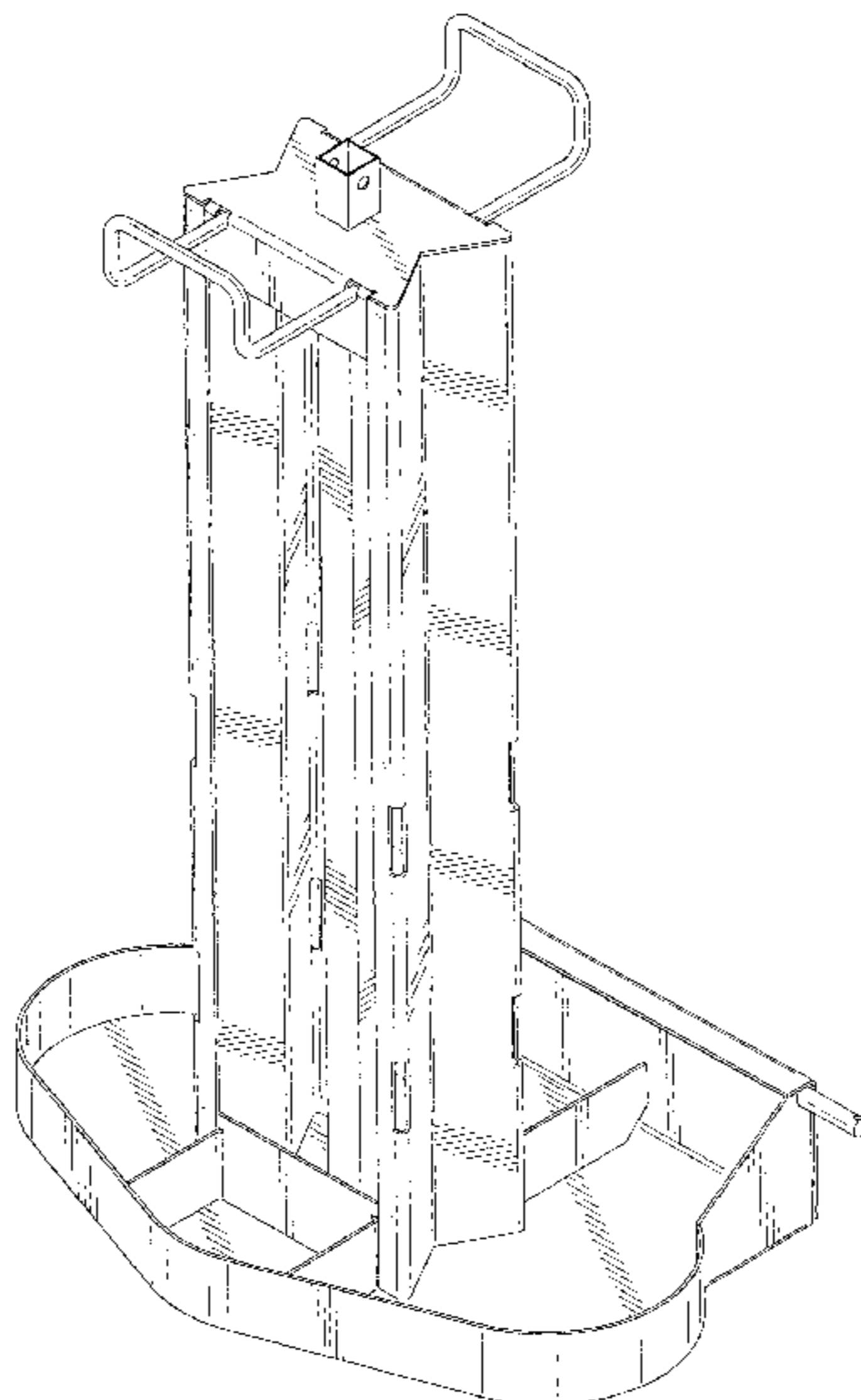
(56) **References Cited**

U.S. PATENT DOCUMENTS

2,381,858 A	8/1945	Austin
2,500,989 A	3/1950	Hartley et al.
D163,327 S	5/1951	Rose
2,667,397 A	1/1954	Hallisey
2,812,382 A	11/1957	Michael
3,436,093 A	4/1969	Ruffley, Jr.
3,791,403 A	2/1974	Folkerth
3,856,230 A	12/1974	Zimmer
4,098,416 A	7/1978	Fawley
4,205,937 A	6/1980	Fawley

(Continued)

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

4,253,716	A	3/1981	Turner, Jr.	
4,432,470	A	2/1984	Sopha	
4,457,527	A	7/1984	Lowery	
4,625,949	A	12/1986	Walker	
4,753,445	A	6/1988	Ferrare	
D322,352	S *	12/1991	Hanson .....	D34/12
5,071,148	A	12/1991	Salvucci, Sr.	
5,167,351	A	12/1992	Prout et al.	
5,307,839	A	5/1994	Loebker et al.	
5,340,136	A	8/1994	MacNeil et al.	
5,393,080	A	2/1995	Ross	
5,396,865	A	3/1995	Nelson	
5,431,422	A	7/1995	Gamache	
5,465,987	A	11/1995	DellaVecchia	
5,570,895	A	11/1996	McCue et al.	
D390,315	S *	2/1998	Spear .....	D34/24
D392,081	S	3/1998	Salvucci, Sr.	
D393,127	S *	3/1998	Vidmar .....	280/47.131
5,799,958	A	9/1998	Bishop	
6,019,381	A	2/2000	Krawczyk	
D423,173	S	4/2000	Horner et al.	
6,047,983	A	4/2000	Day, III	
D443,744	S	6/2001	Intravatola	
6,733,017	B2	5/2004	Intravatola	
7,419,169	B2	9/2008	Intravatola	
D640,436	S *	6/2011	Perelli .....	D34/17
D770,716	S *	11/2016	Giampavolo .....	D34/17

FOREIGN PATENT DOCUMENTS

JP	H05139316	A	6/1993
WO	WO 93/22176	A1	11/1993

\* cited by examiner

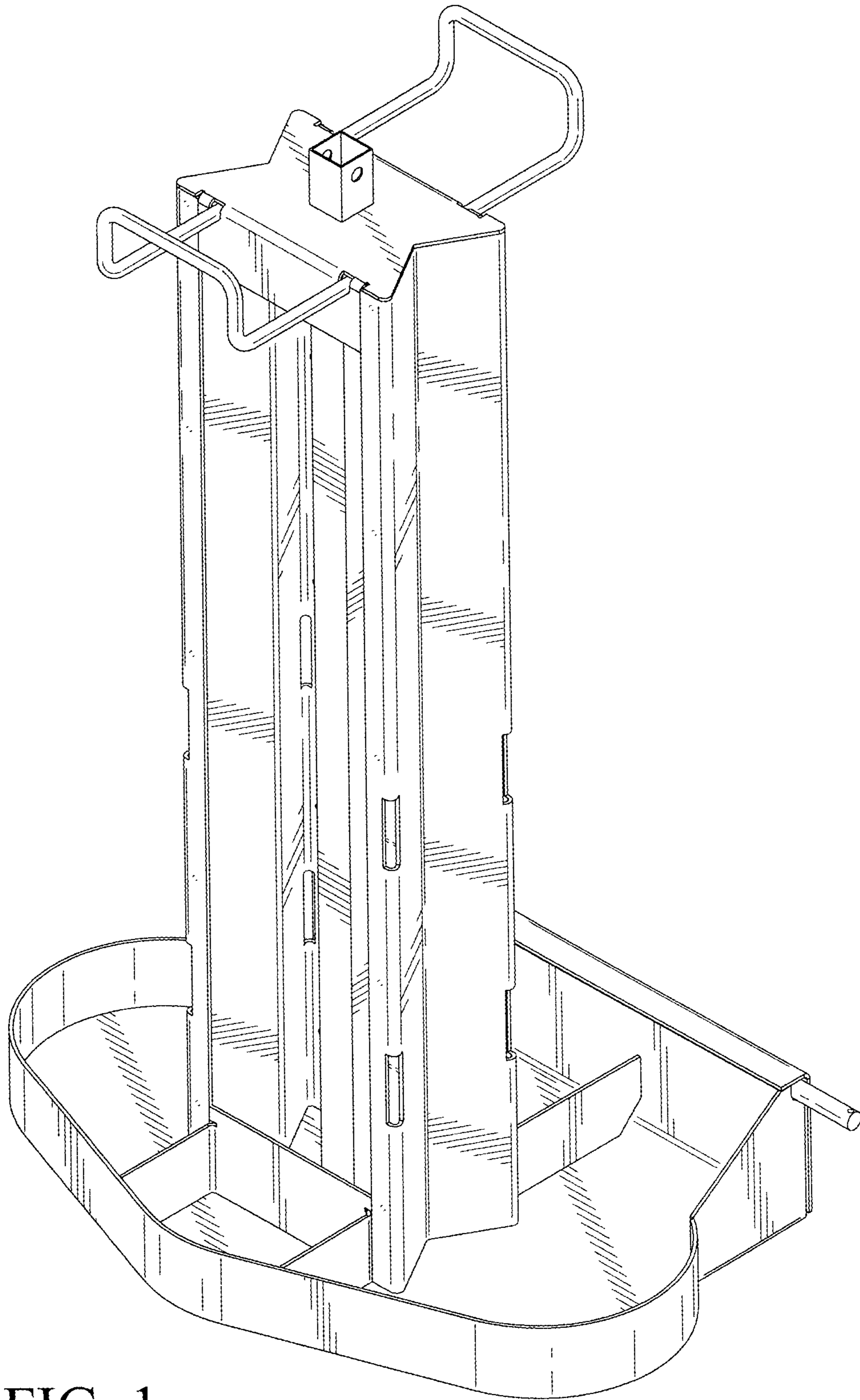


FIG. 1

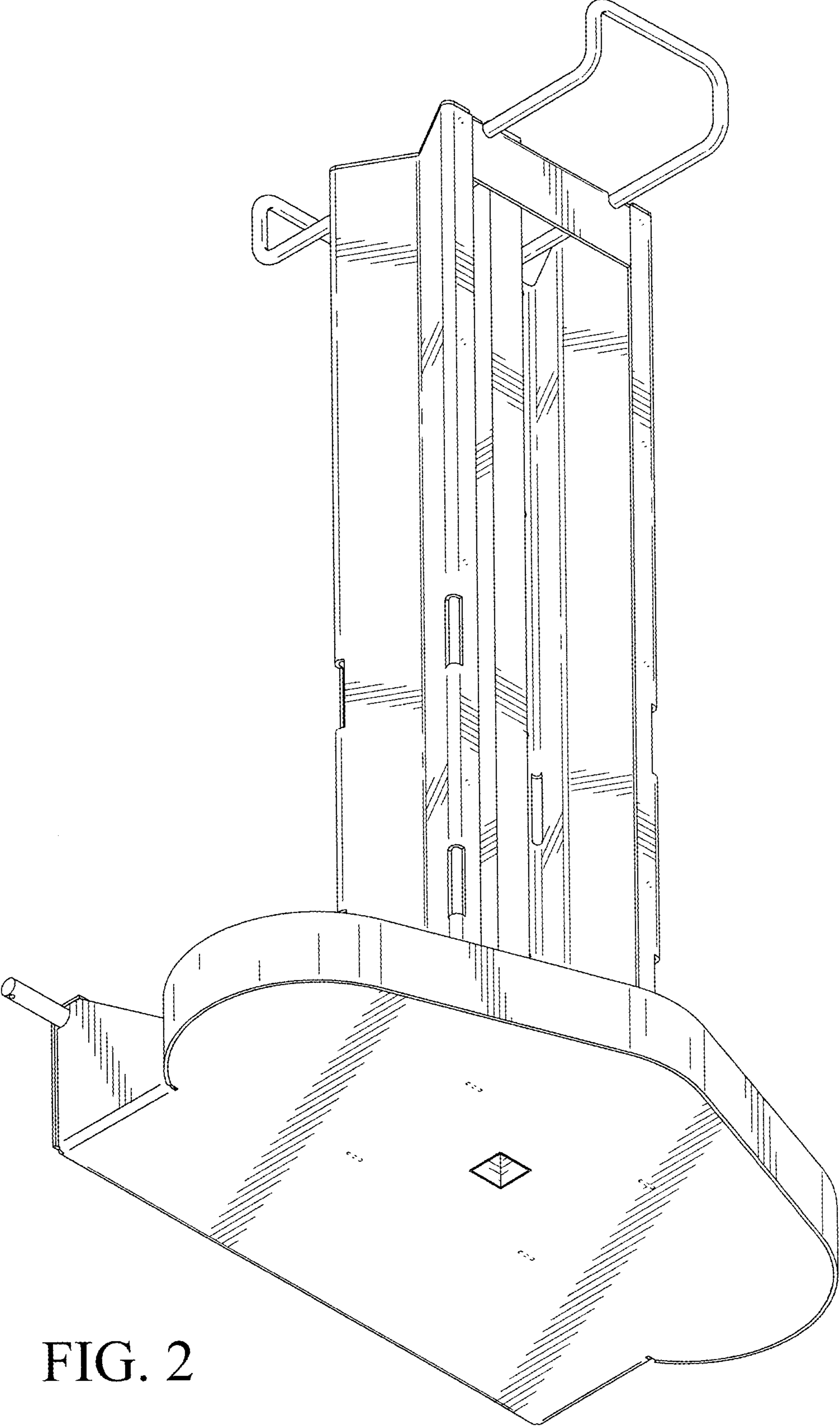


FIG. 2

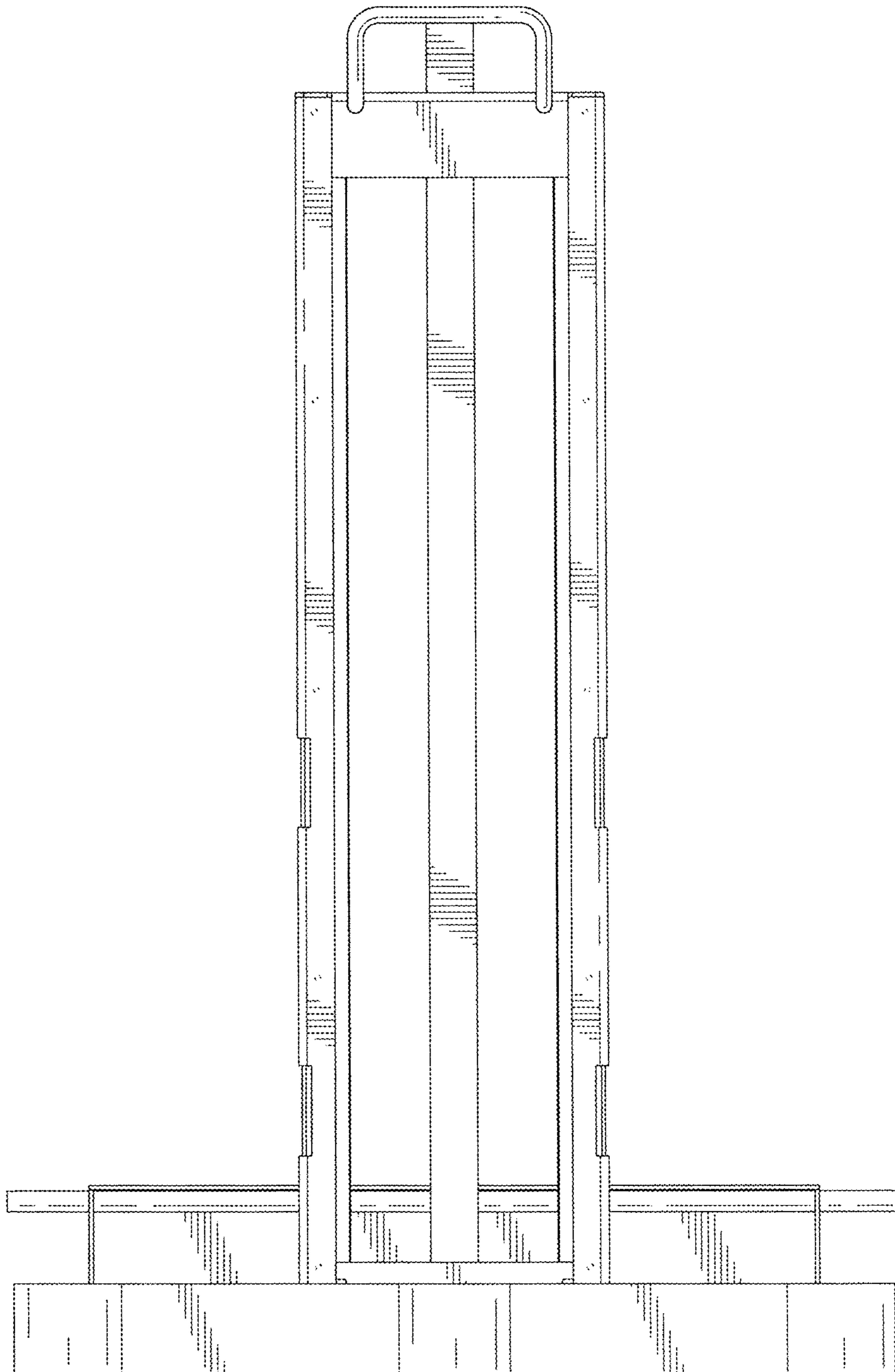


FIG. 3

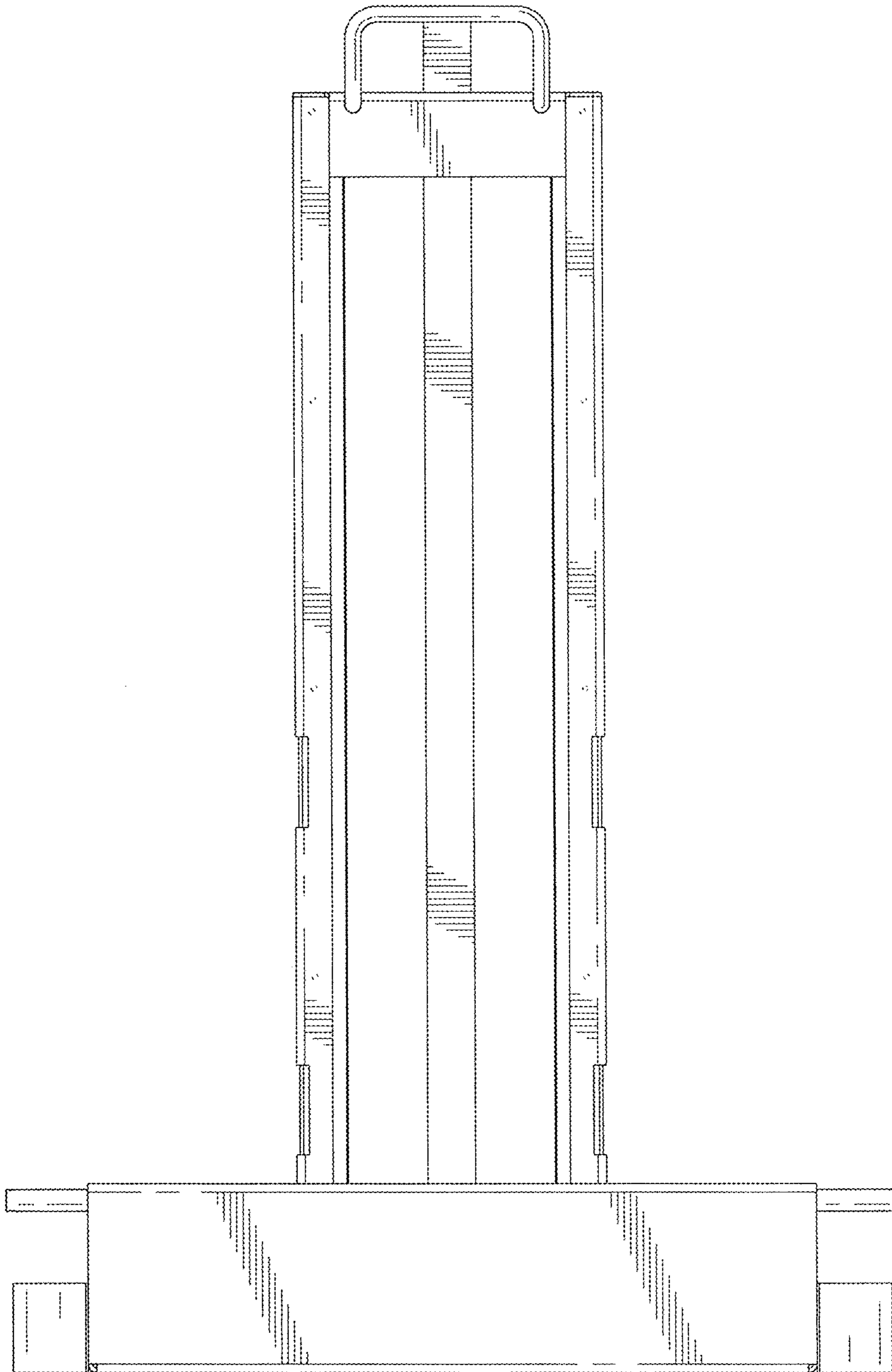


FIG. 4

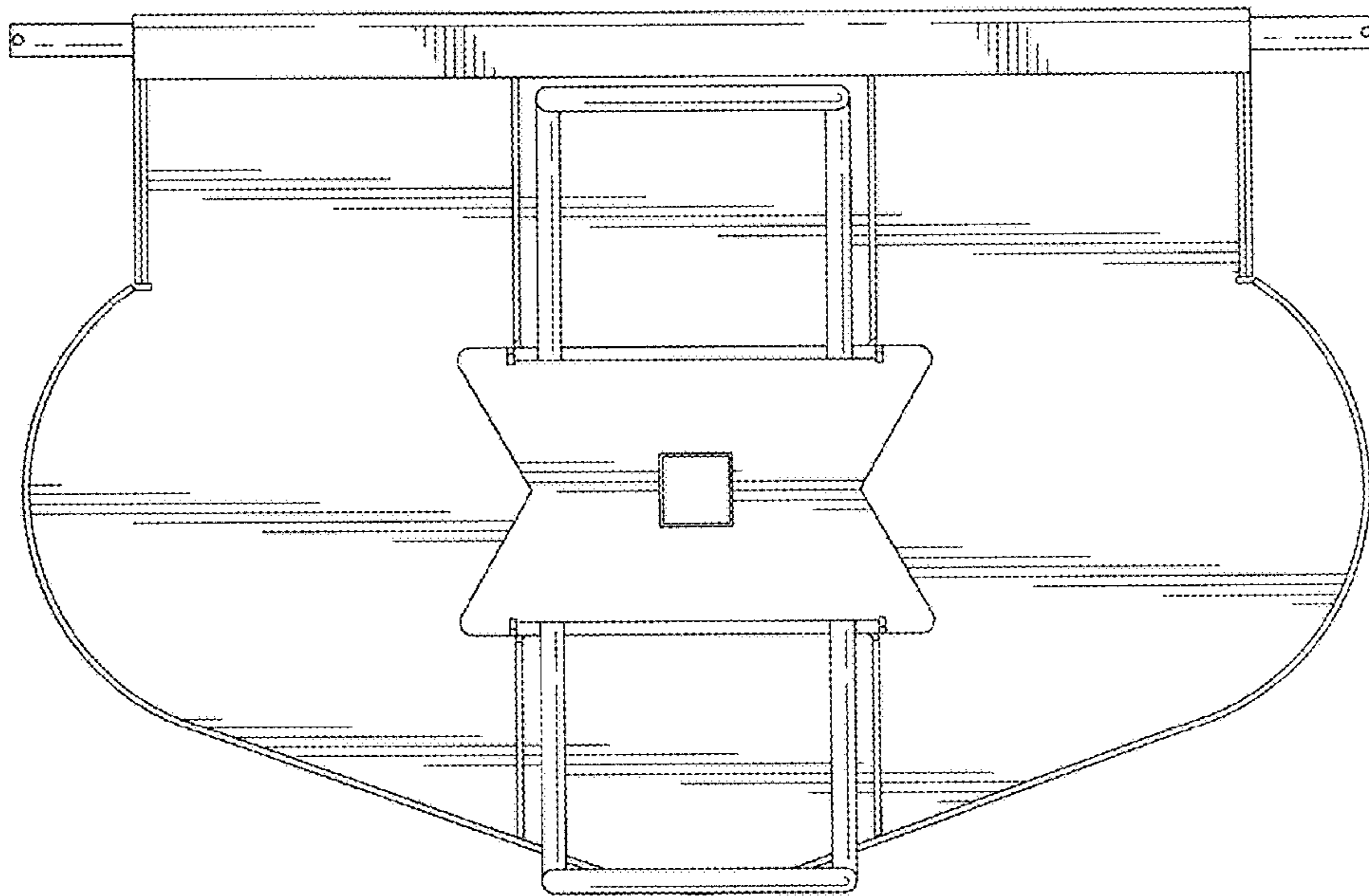


FIG. 5

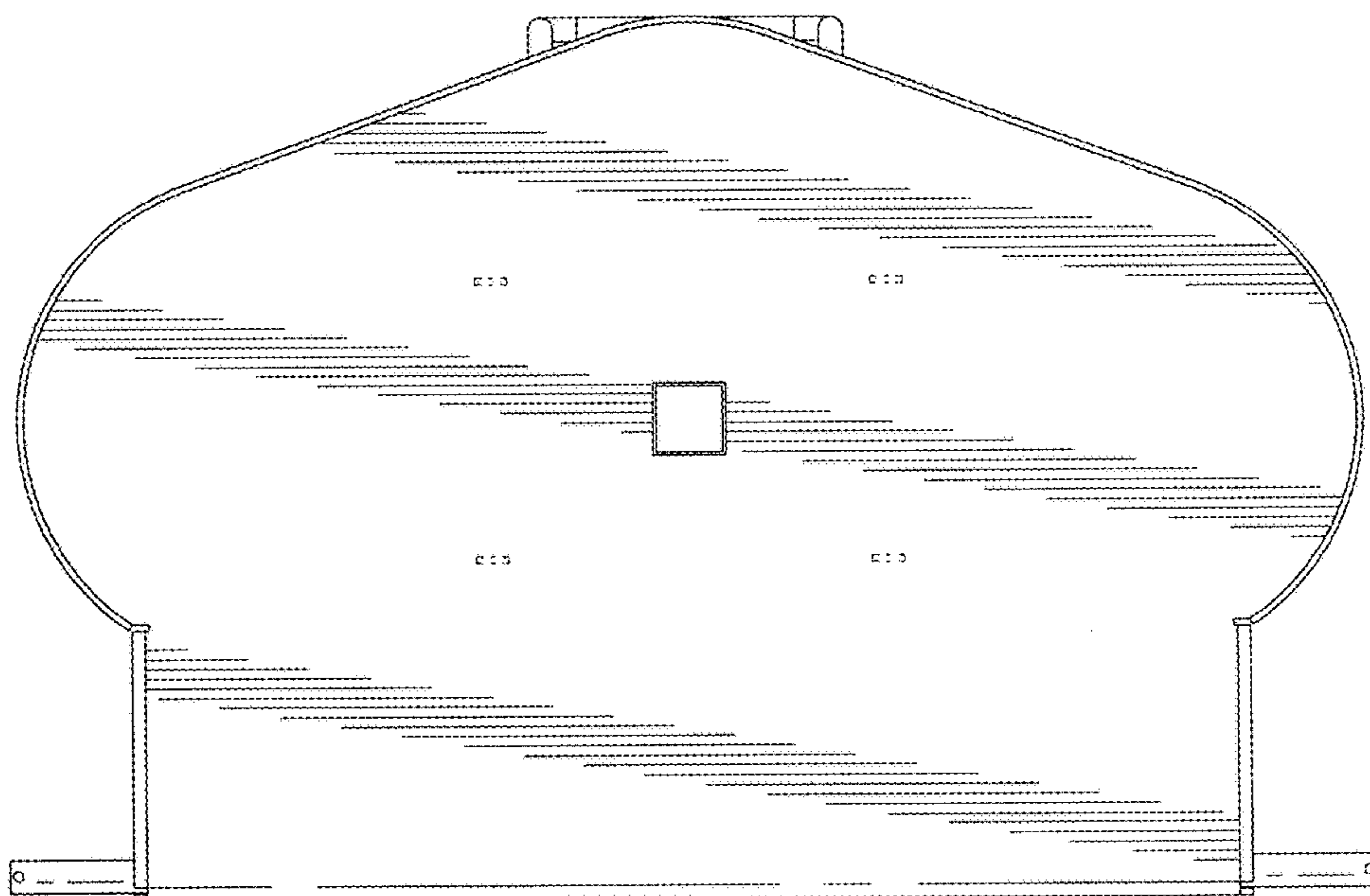


FIG. 6

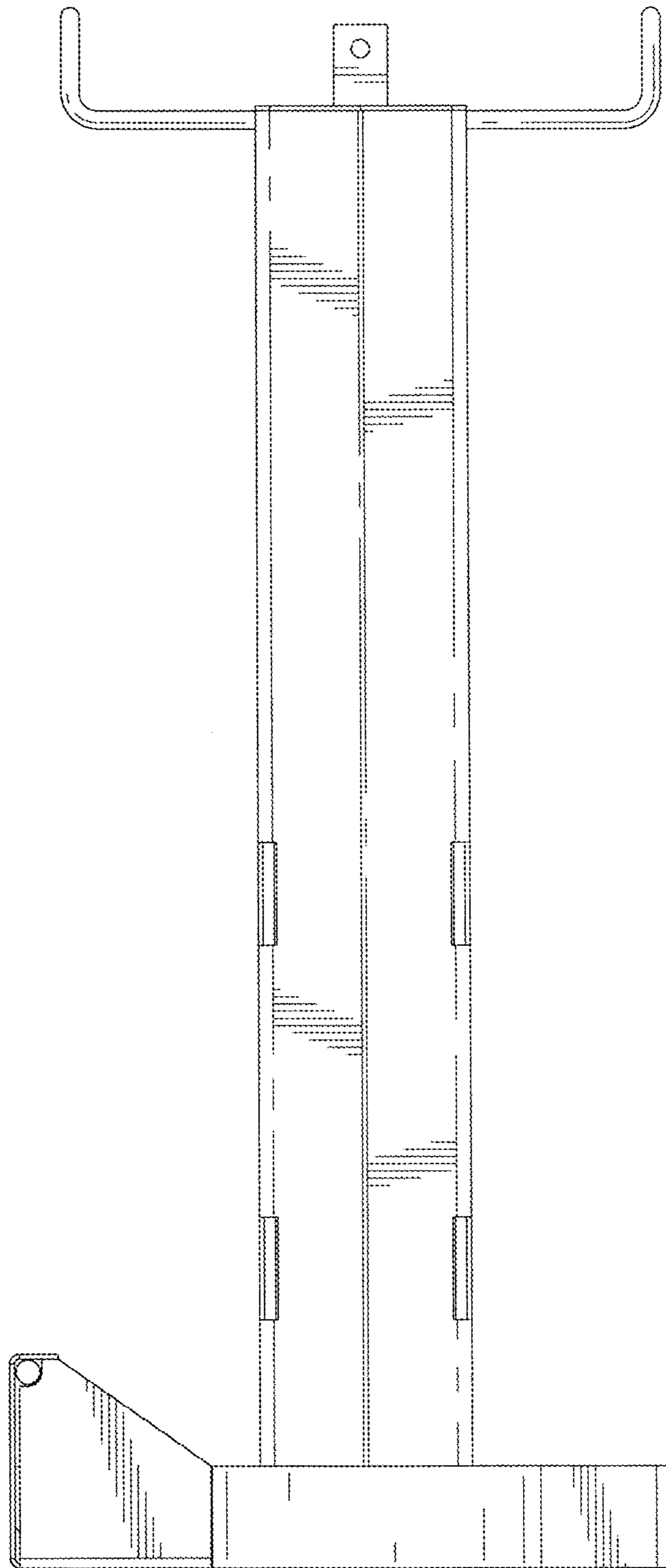


FIG. 7



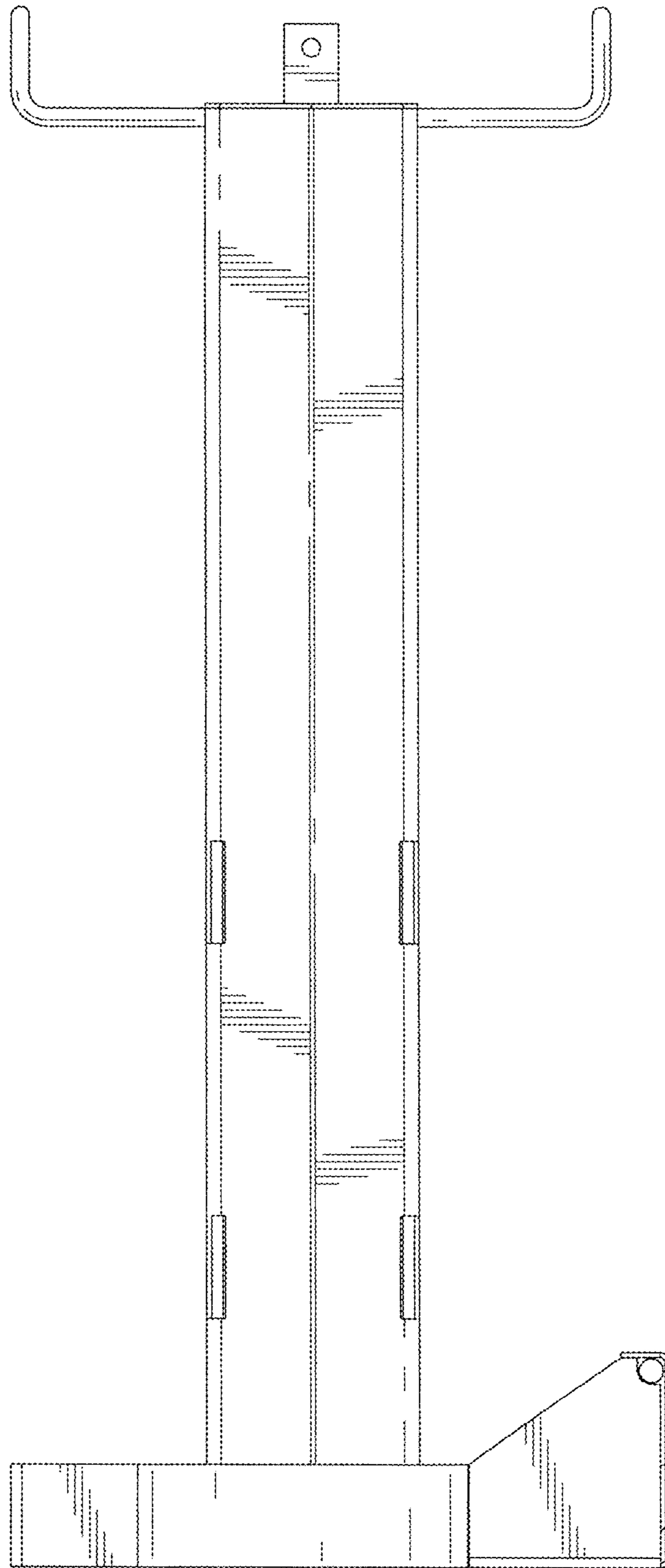


FIG. 8