

US00D941492S

(12) **United States Design Patent** (10) **Patent No.:** **US D941,492 S**  
**Luthi et al.** (45) **Date of Patent:** **\*\* Jan. 18, 2022**

(54) **GRAIN STORAGE BIN**  
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(73) Assignee: **FCS MFG, Inc.**, Gridley, KS (US)  
(\*\*) Term: **15 Years**

10,118,759 B2 11/2018 Vanparys et al.  
D900,958 S \* 11/2020 Sheesley ..... D23/202  
D920,464 S \* 5/2021 Thompson ..... D23/200  
2008/0283524 A1 11/2008 Kosich  
2014/0203046 A1\* 7/2014 Allegretti ..... B65D 88/30  
222/185.1  
2015/0284194 A1\* 10/2015 Oren ..... B65D 88/30  
414/373  
2016/0122125 A1\* 5/2016 Friesen ..... B65D 88/26  
414/304

(21) Appl. No.: **29/694,456**  
(22) Filed: **Jun. 11, 2019**  
(51) **LOC (13) Cl.** ..... **25-03**  
(52) **U.S. Cl.**  
USPC ..... **D25/14**  
(58) **Field of Classification Search**  
USPC ..... D25/1-35, 56-59, 61; D30/108, 121,  
D30/122; D23/202, 272; D7/700, 400;  
D15/150  
CPC ..... E04H 9/04-16; E04H 1/00-1277; E04H  
2001/1283  
See application file for complete search history.

**FOREIGN PATENT DOCUMENTS**

EM 001716093-0001 \* 6/2010  
WO WO-2017095423 A1 \* 6/2017 ..... B65D 88/28

**OTHER PUBLICATIONS**

Machine Service, Inc. Brochure, 2 pages.  
Smoothwall Hopper Bins, FCS Manufacturing Inc. Brochure, 2 pages.

\* cited by examiner

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(56) **References Cited**  
U.S. PATENT DOCUMENTS

2,346,129 A 4/1944 De Vore  
2,943,752 A 7/1960 Platt  
3,921,351 A 11/1975 Johnson  
4,265,065 A 5/1981 Osada  
D260,651 S \* 9/1981 Gibbons ..... D15/138  
D356,193 S \* 3/1995 Reynolds ..... D32/30  
6,340,279 B1 1/2002 Wipf  
D512,538 S \* 12/2005 Bird ..... 119/52.1  
D634,592 S \* 3/2011 Bittner ..... D7/700  
D710,549 S \* 8/2014 Bogart ..... D30/121  
D731,076 S \* 6/2015 Carter ..... D25/14  
D763,930 S \* 8/2016 Baber ..... D15/28  
9,522,778 B2 12/2016 Southwell  
D778,970 S \* 2/2017 Levy ..... D15/150  
D780,883 S \* 3/2017 Schaffner ..... D23/202

(57) **CLAIM**

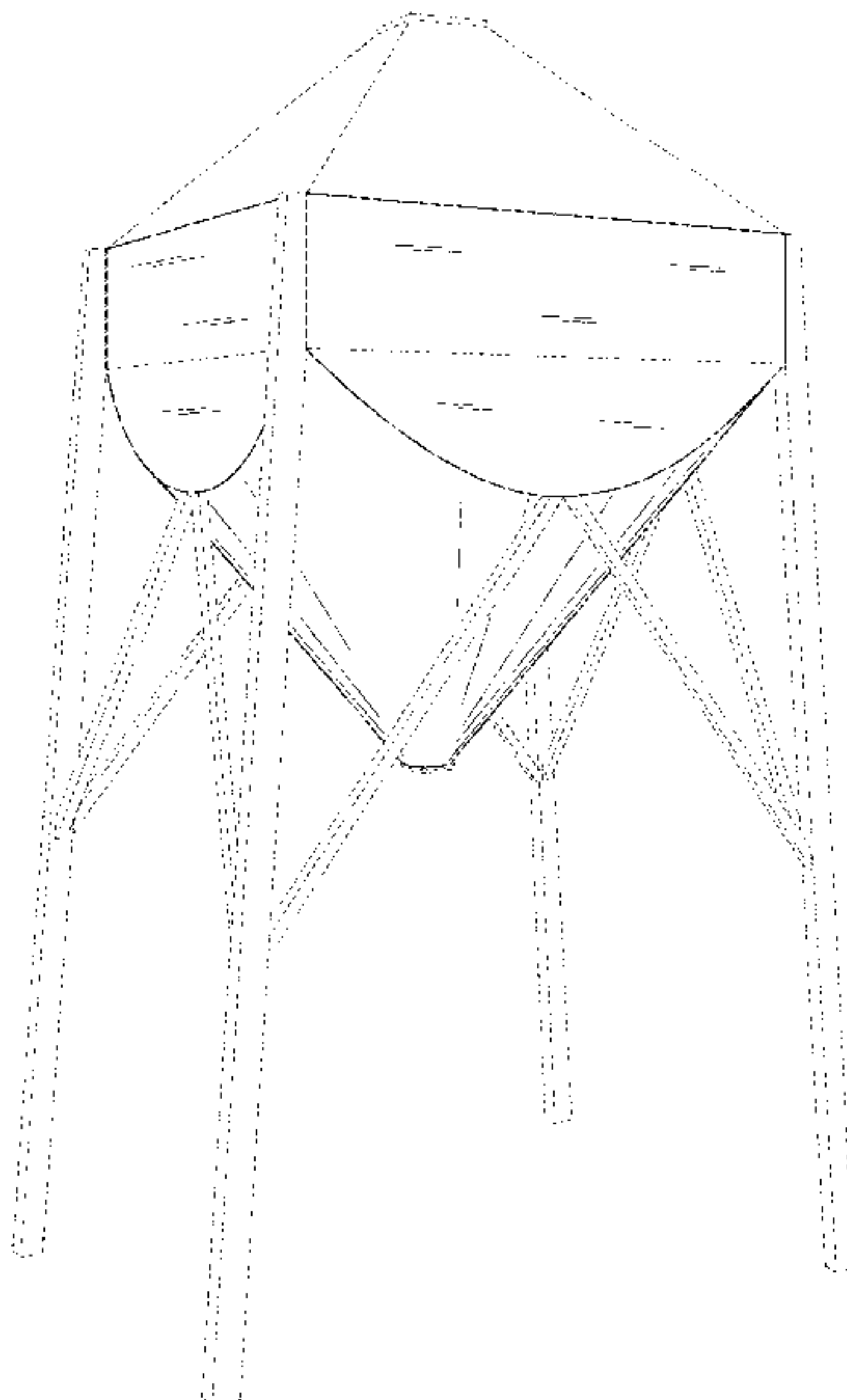
The ornamental design for a grain storage bin, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the grain storage bin showing first; and second sides thereof; and, FIG. 2 is a first side view of the grain storage bin of FIG. 1, the second, third and fourth sides having the same appearance as the first side view.

The top portion of the grain storage bin, the legs, the bracing and the hopper opening shown in broken lines form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



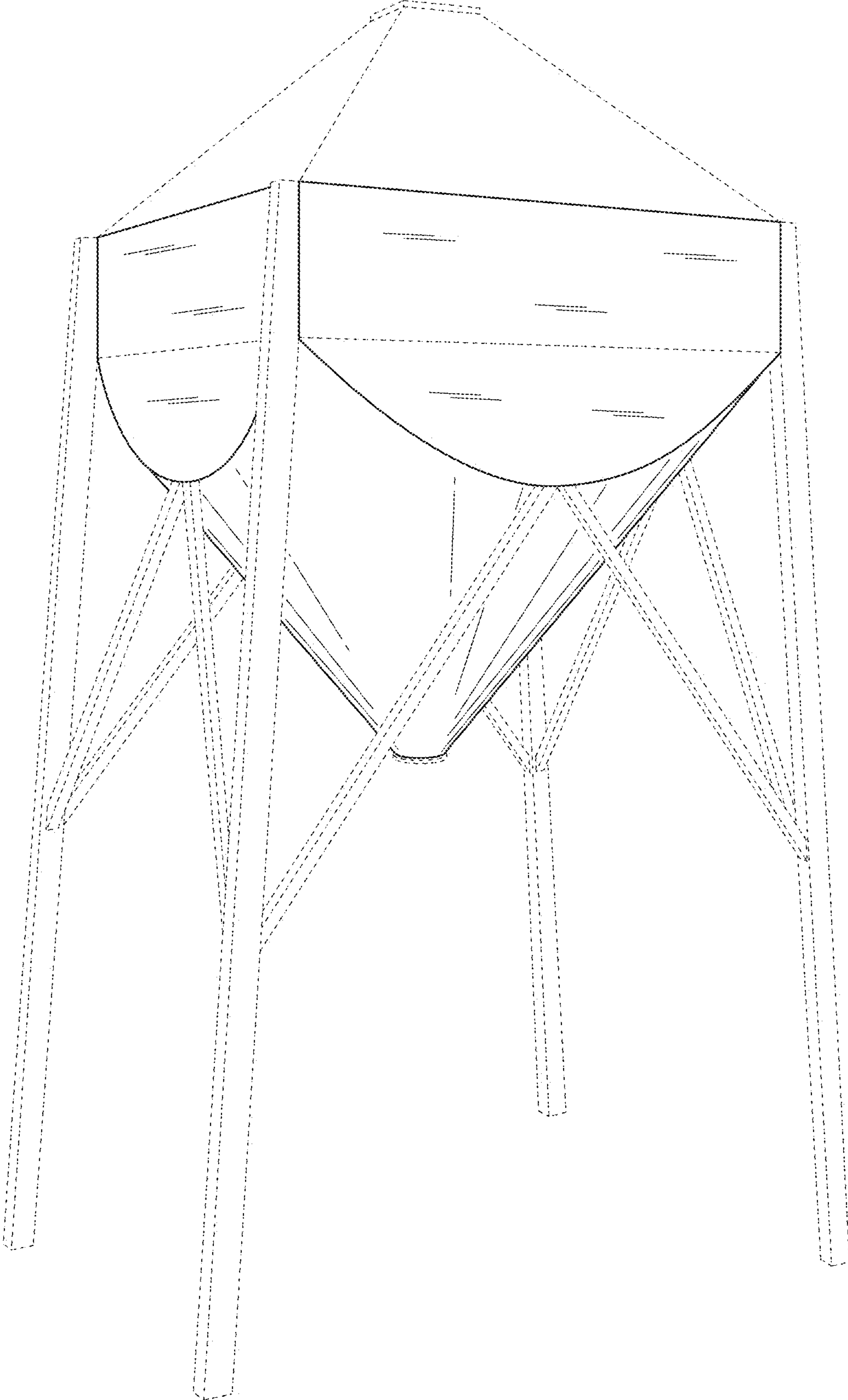


FIG. 1

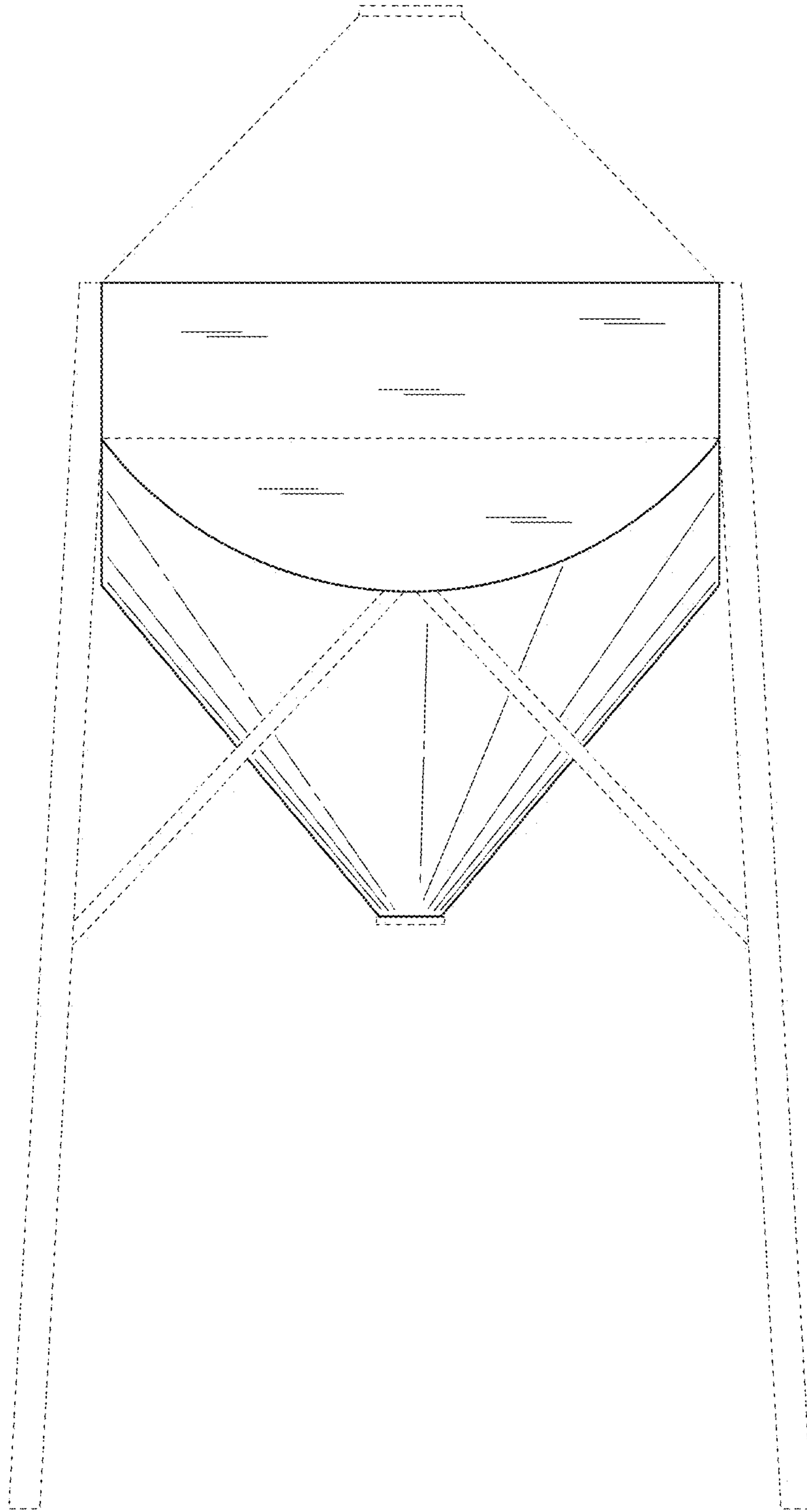


FIG. 2