



US00D745115S

(12) **United States Design Patent**  
**Kuang**

(10) **Patent No.:** **US D745,115 S**

(45) **Date of Patent:** **\*\* Dec. 8, 2015**

(54) **FLOOR DRAIN**

(71) Applicant: **KAIPING XINMINGGUANG  
HARDWARE PRODUCTS CO., LTD.,**  
Jiangmen, Guangdong (CN)

(72) Inventor: **Woguang Kuang, Jiangmen (CN)**

(73) Assignee: **KAIPING XINMINGGUANG  
HARDWARE PRODUCTS CO., LTD.,**  
Jiangmen (CN)

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

(21) Appl. No.: **29/454,223**

(22) Filed: **May 8, 2013**

(30) **Foreign Application Priority Data**

Feb. 7, 2013 (CN) ..... 2013 3 0039025

(51) **LOC (10) Cl.** ..... **23-01**

(52) **U.S. Cl.**  
USPC ..... **D23/261**

(58) **Field of Classification Search**  
USPC ..... D23/205, 209, 260, 261, 263, 266, 268;  
D24/129  
CPC ..... F16L 41/08; F16L 41/12; F16L 45/00;  
F16L 57/00; F16L 57/06; E03F 5/04; E03F  
5/06; B65D 88/26; B65D 88/54  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,813,687 A \* 7/1931 Stockholder ..... 210/180  
2,506,064 A \* 5/1950 Christie ..... 285/149.1  
D163,487 S \* 5/1951 Schustack et al. .... D23/263  
D254,564 S \* 3/1980 Johnson ..... D23/263  
D255,596 S \* 6/1980 Johnson ..... D23/263  
D297,678 S \* 9/1988 Sisk ..... D34/28

D323,709 S \* 2/1992 Wyatt et al. .... D24/129  
D374,067 S \* 9/1996 Crook ..... D23/261  
D468,002 S \* 12/2002 Steffan ..... D23/260  
D540,464 S \* 4/2007 Guney et al. .... D24/110.6  
D559,958 S \* 1/2008 Trangsrud ..... D23/268  
D644,305 S \* 8/2011 White ..... D23/266  
D654,999 S \* 2/2012 Barrett et al. .... D24/129  
D673,657 S \* 1/2013 Sisk ..... D23/262  
D681,230 S \* 4/2013 Mosler et al. .... D24/231  
D715,145 S \* 10/2014 Yamagishi et al. .... D9/447  
D717,405 S \* 11/2014 Coronado ..... D23/259  
D720,838 S \* 1/2015 Yamagishi et al. .... D23/261  
2005/0166315 A1 \* 8/2005 Warnecke et al. .... 4/695  
2005/0236057 A1 \* 10/2005 Slentz ..... 138/89  
2010/0176041 A1 \* 7/2010 Schlueter ..... 210/163  
2012/0192963 A1 \* 8/2012 Minich et al. .... 137/317  
2012/0193909 A1 \* 8/2012 Minich et al. .... 285/197  
2012/0241028 A1 \* 9/2012 Kirk ..... 137/527

\* cited by examiner

*Primary Examiner* — Eric Goodman

*Assistant Examiner* — Daniel J Domino

(74) *Attorney, Agent, or Firm* — The Dobrusin Law Firm,  
P.C.

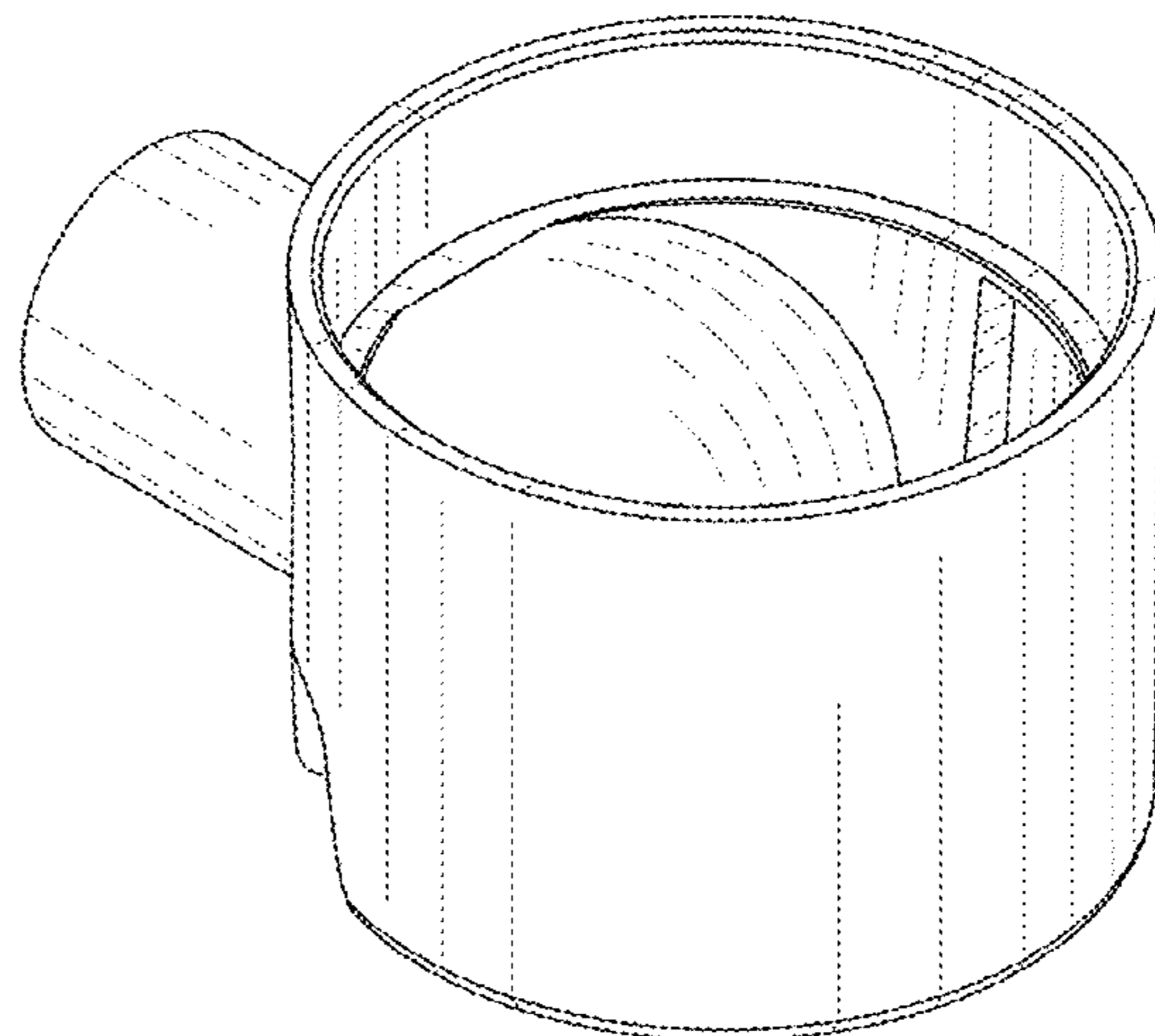
(57) **CLAIM**

The ornamental design for floor drain, as shown and  
described.

**DESCRIPTION**

FIG. 1 is a side perspective of a floor drain showing the new  
design;  
FIG. 2 is another perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a left view thereof;  
FIG. 6 is a right view thereof;  
FIG. 7 is a top view thereof;  
FIG. 8 is a bottom view thereof; and,  
FIG. 9 is a section view taken along the line 9-9 of FIG. 7.

**1 Claim, 9 Drawing Sheets**



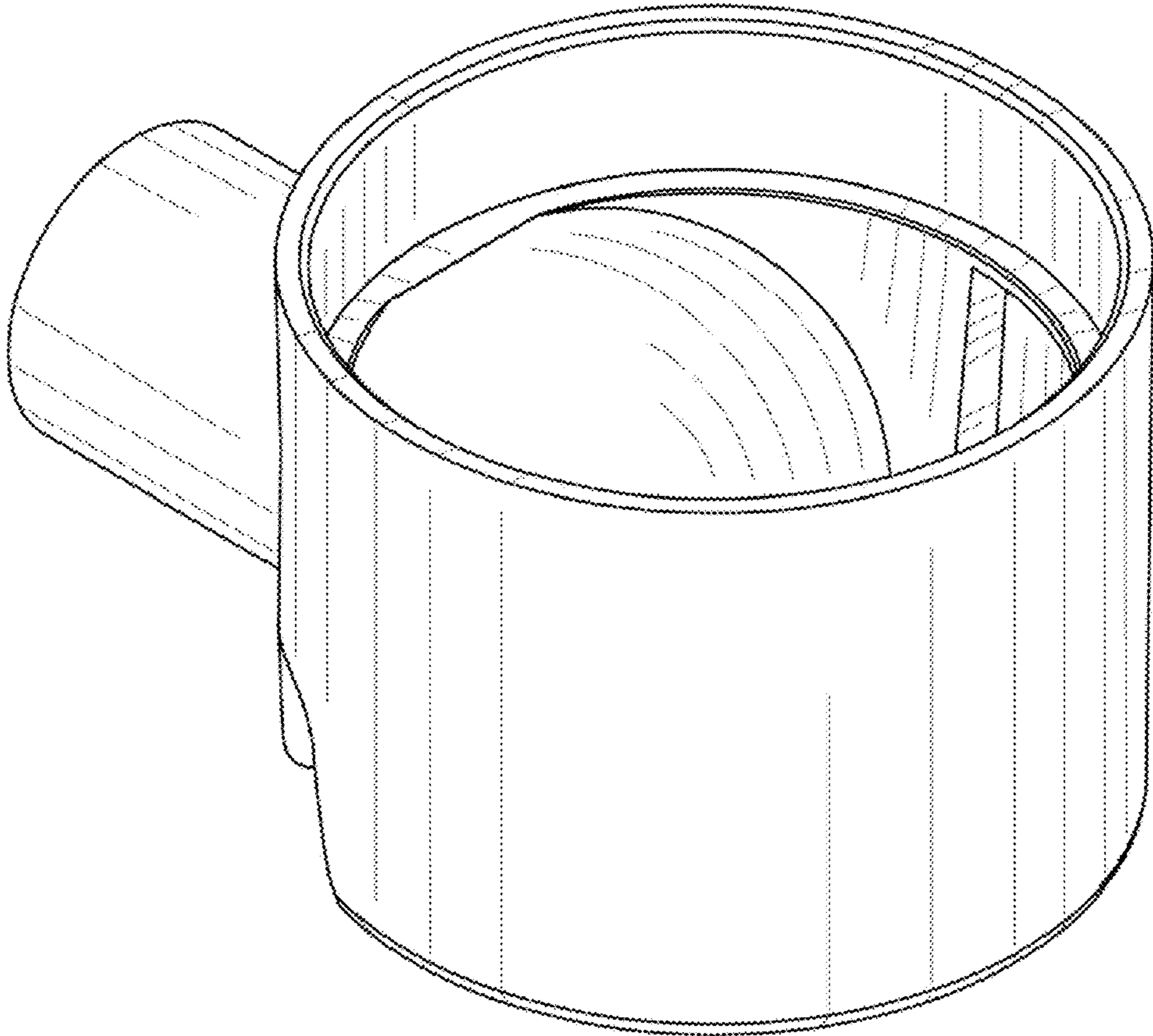


Fig. 1

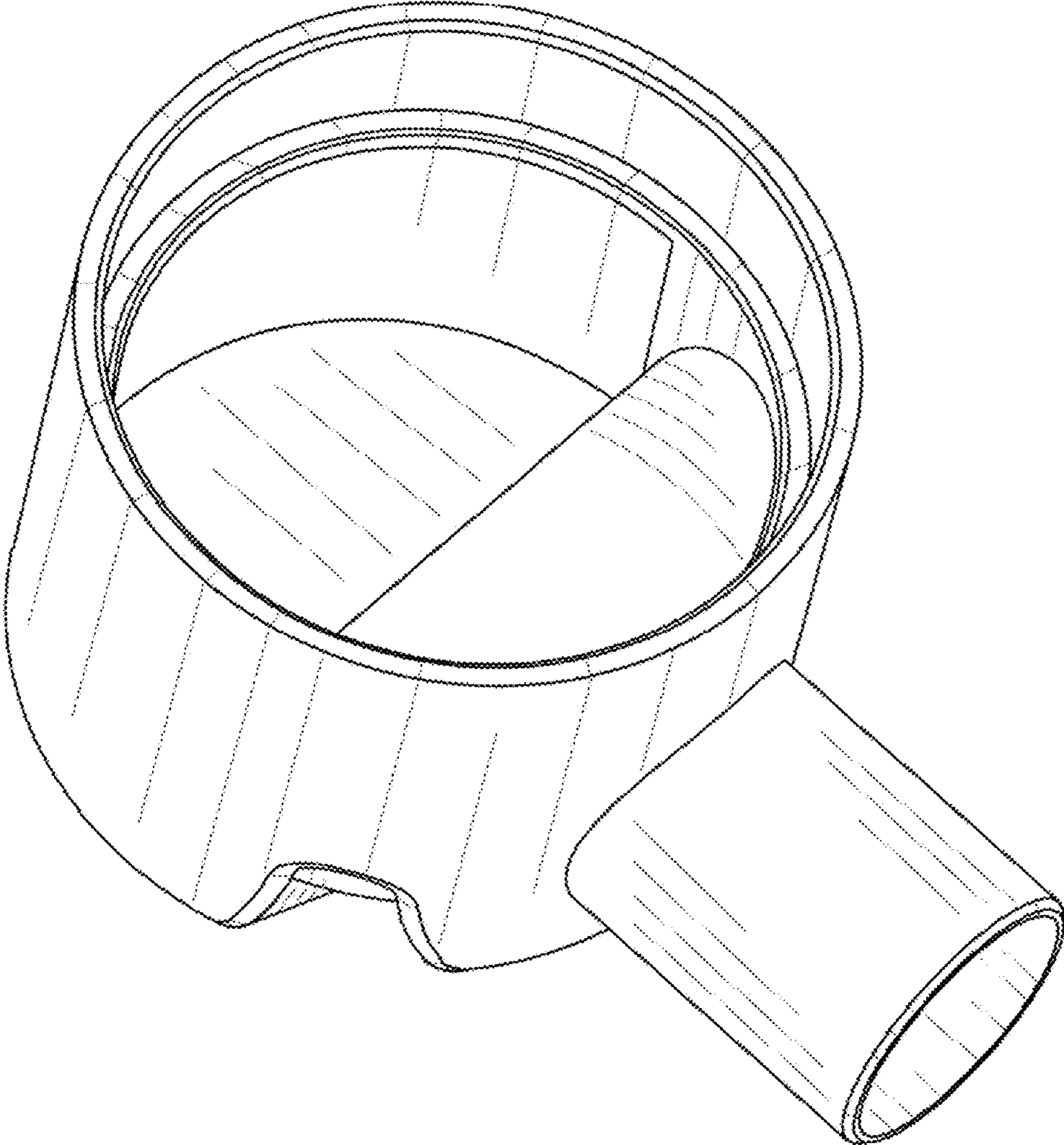


Fig.2

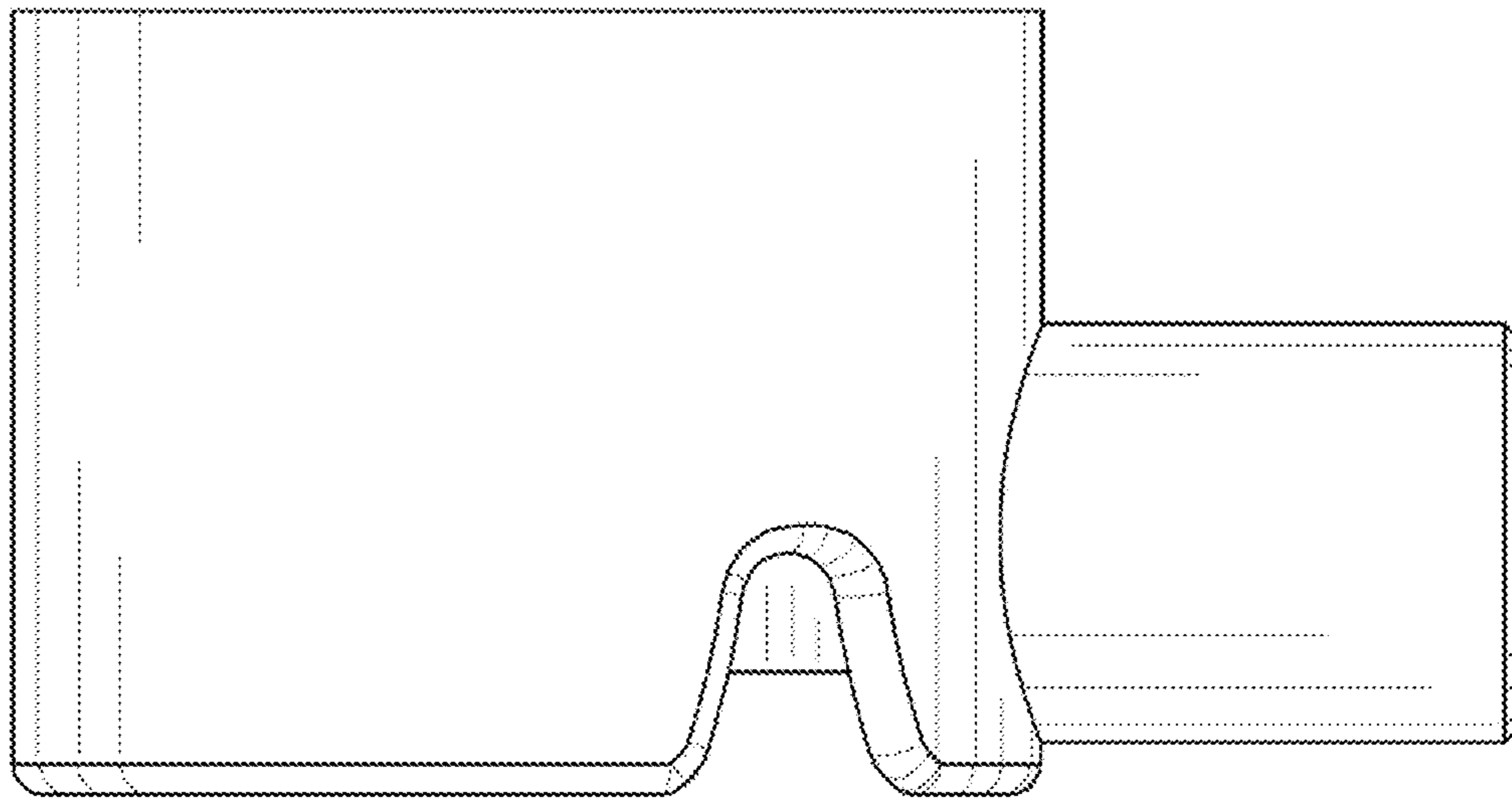


Fig.3

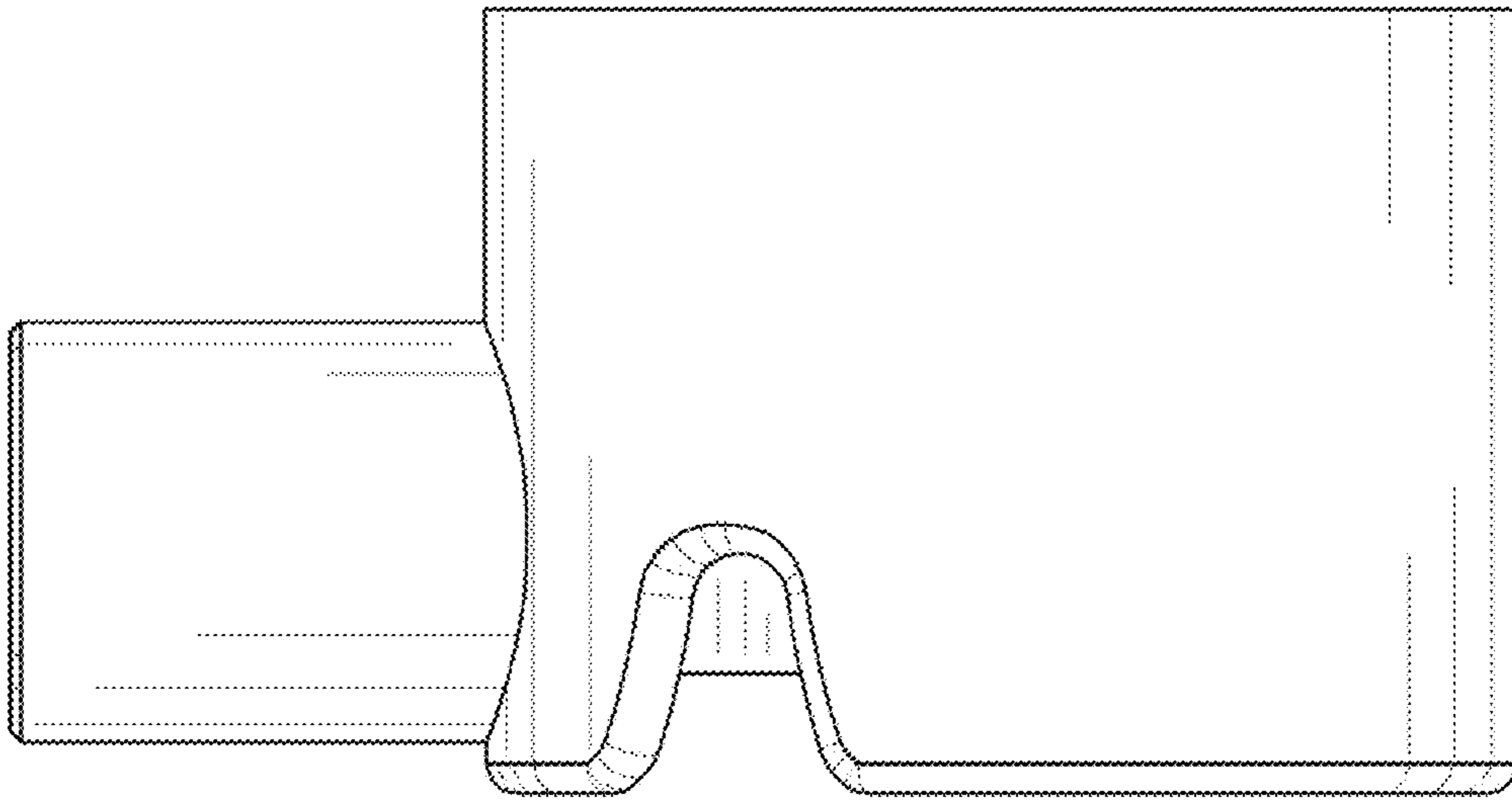


Fig.4



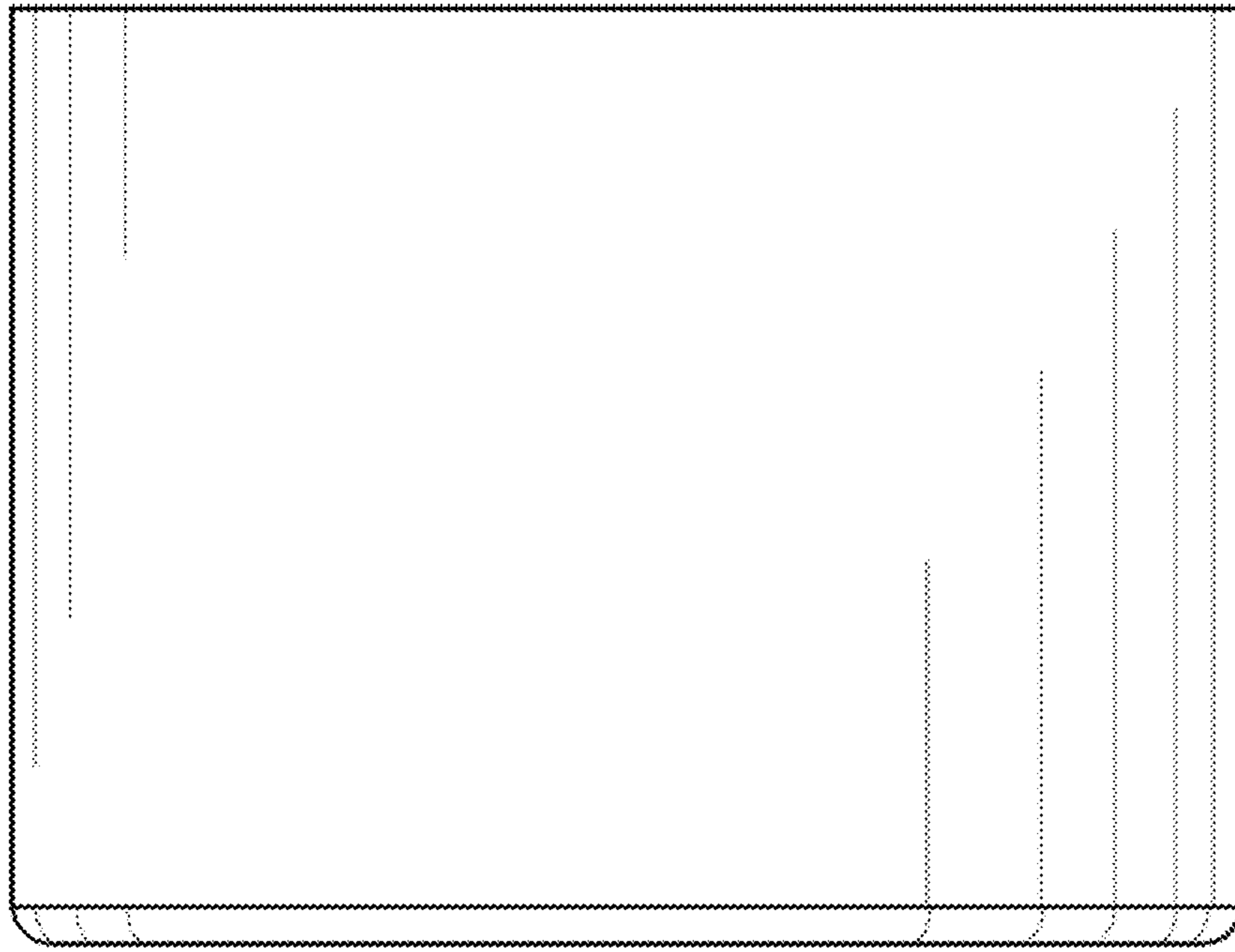


Fig.5

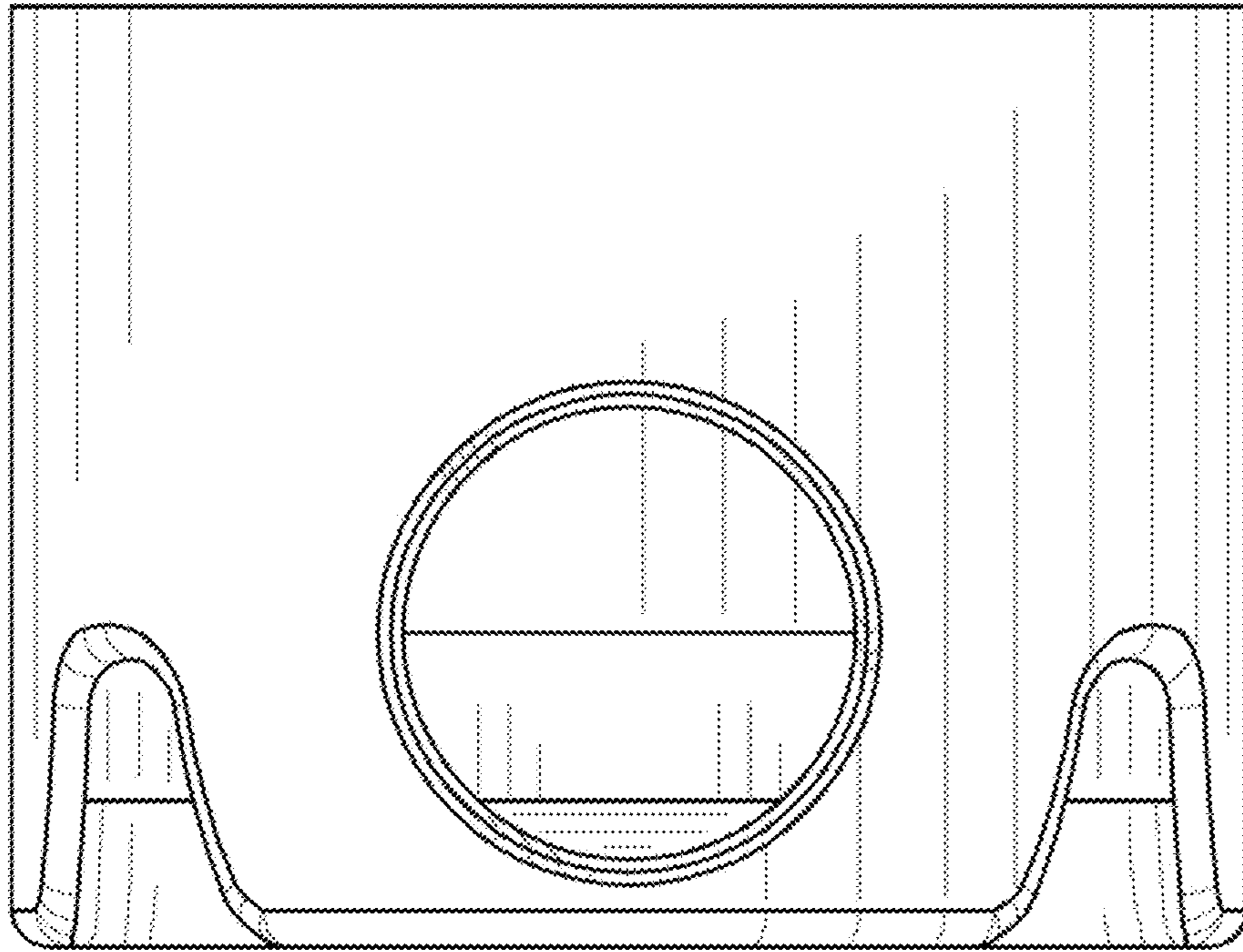


Fig.6

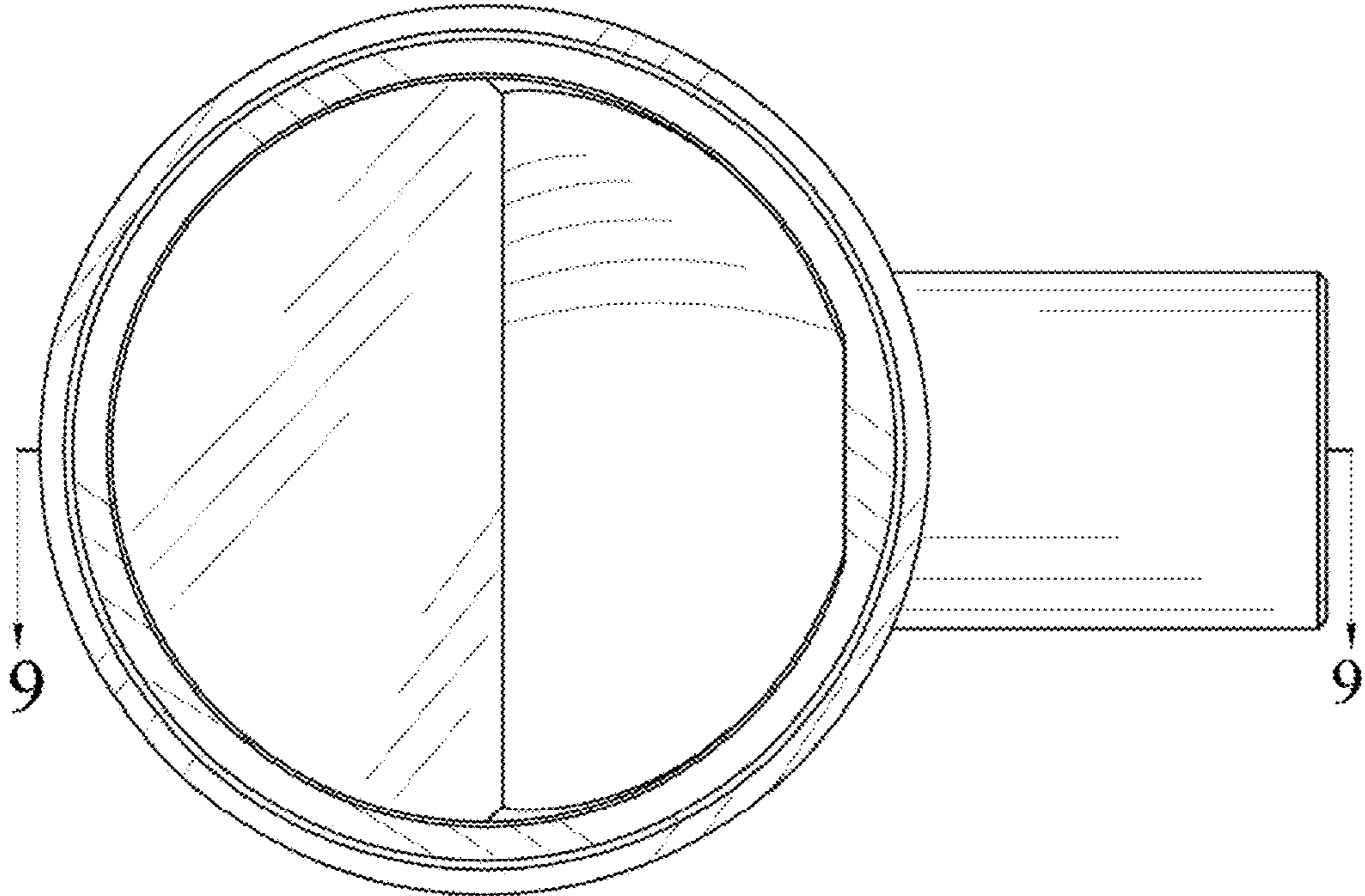


Fig.7



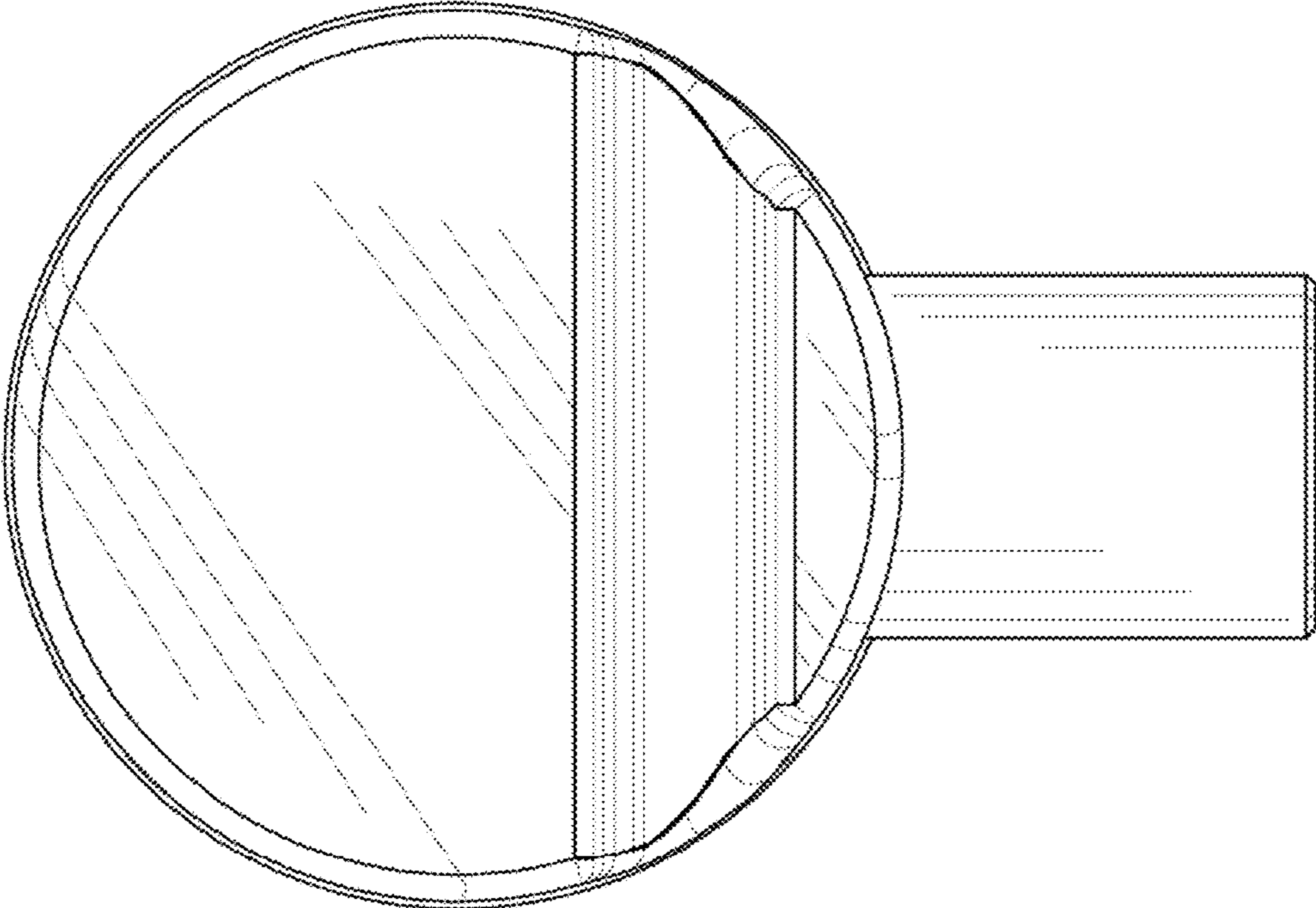


Fig.8

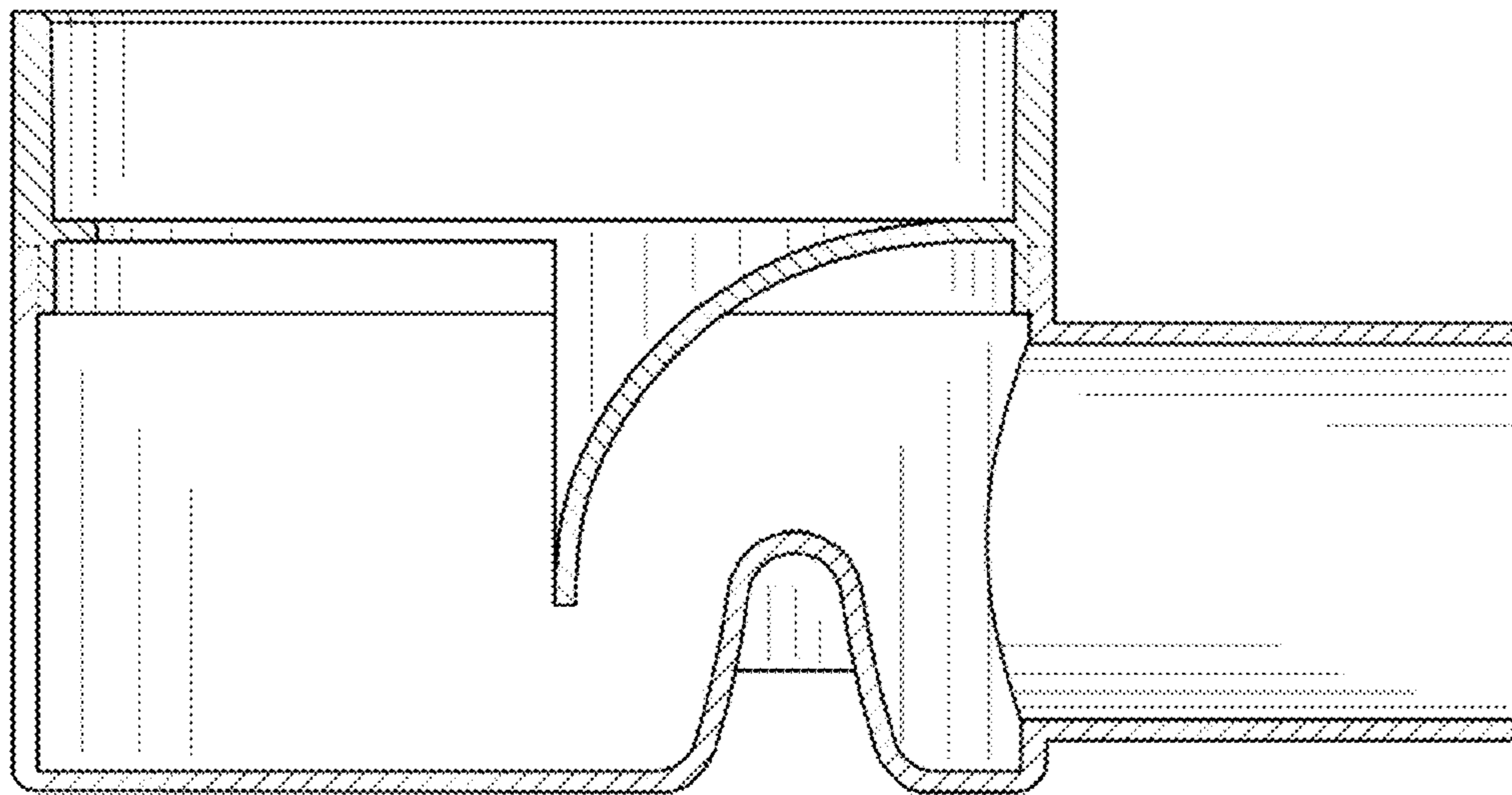


Fig.9