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(12) **United States Design Patent**
Peterman et al.

(10) **Patent No.:** **US D787,560 S**

(45) **Date of Patent:** **** May 23, 2017**

(54) **HANDHELD SOLID-PHASE EXTRACTION
VACUUM PUMP**

D696,694 S * 12/2013 Fulkerson D15/7
D743,444 S * 11/2015 Walsh D15/7
D772,947 S * 11/2016 Emanuele D15/7

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* cited by examiner

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

(57) **CLAIM**

We claim the ornamental design for a handheld solid-phase extraction vacuum pump, as shown and described.

(21) Appl. No.: **29/534,445**

DESCRIPTION

(22) Filed: **Jul. 28, 2015**

(51) **LOC (10) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**
USPC D15/7-9; D23/231, 232, 225; 417/60,
417/235, 265, 321, 355, 358, 363, 359,
417/410.1, 415-416, 405, 900, 269, 539;
60/408, 412; 184/26-37; 415/140-147;
123/495, 509; 137/565.34
CPC F02M 37/04; F02M 37/14; F04B 53/92;
F04B 1/005
See application file for complete search history.

FIG. 1 is a front-left-top isometric view of a handheld solid-phase extraction vacuum pump showing our new design, the broken lines being shown for illustrative purposes only and form no part of the claimed design.

FIG. 2 is a front side view thereof, the broken lines being shown for illustrative purposes only and form no part of the claimed design;

FIG. 3 is a left side view thereof, the broken lines being shown for illustrative purposes only and form no part of the claimed design;

FIG. 4 is a right side view thereof, the broken lines being shown for illustrative purposes only and form no part of the claimed design;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof, the broken lines being shown for illustrative purposes only and form no part of the claimed design;

FIG. 7 is a front-right-top isometric view thereof, the broken lines being shown for illustrative purposes only and form no part of the claimed design; and,

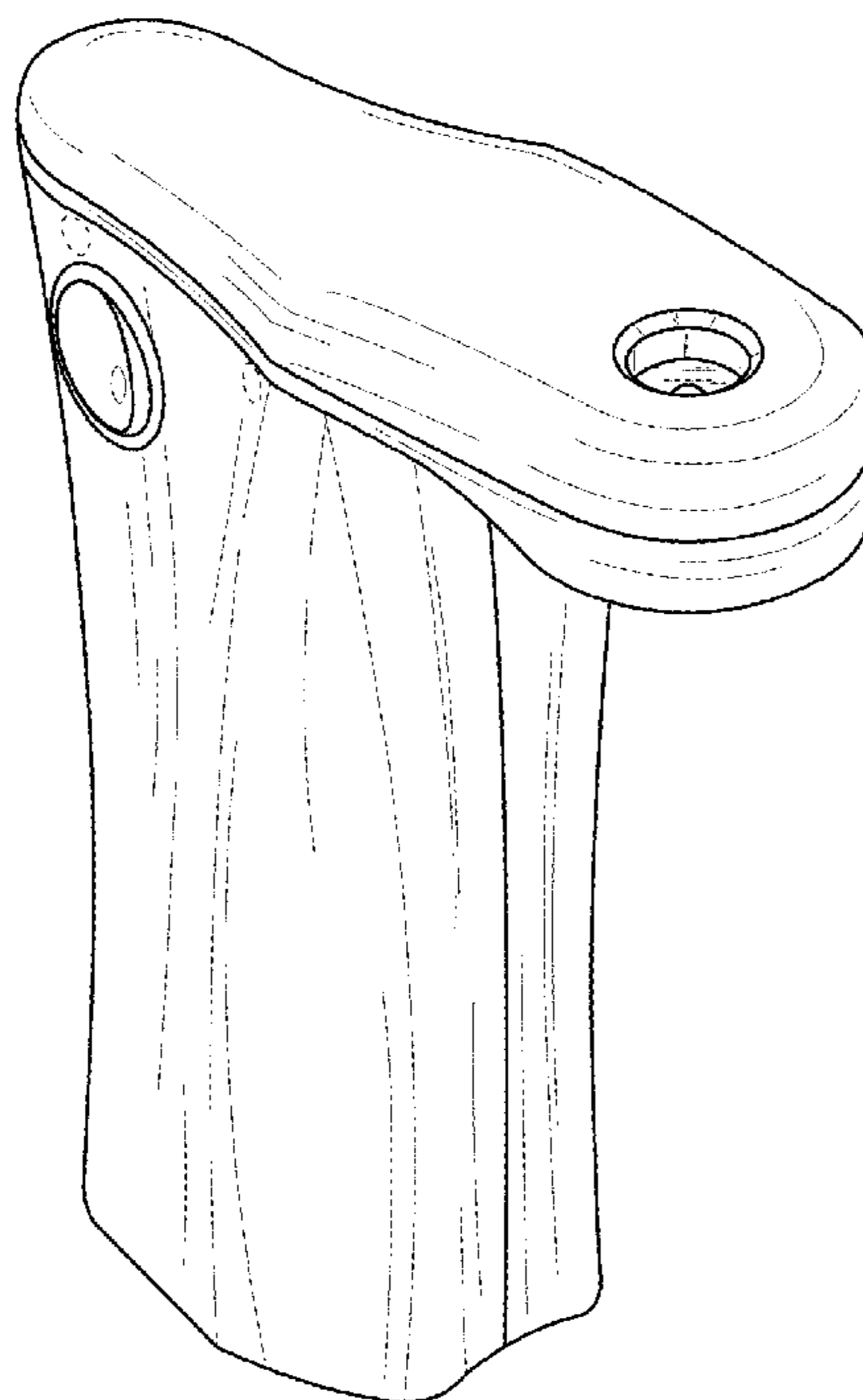
FIG. 8 is a front-right-bottom isometric view thereof, the broken lines being shown for illustrative purposes only and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,072,429 A * 2/1978 Terzian B05C 17/035
401/146
D290,126 S * 6/1987 Krapowicz D15/7
D300,033 S * 2/1989 Miller D15/7
D399,213 S * 10/1998 Sorensen D15/7
D404,398 S * 1/1999 Hall D15/7

1 Claim, 4 Drawing Sheets



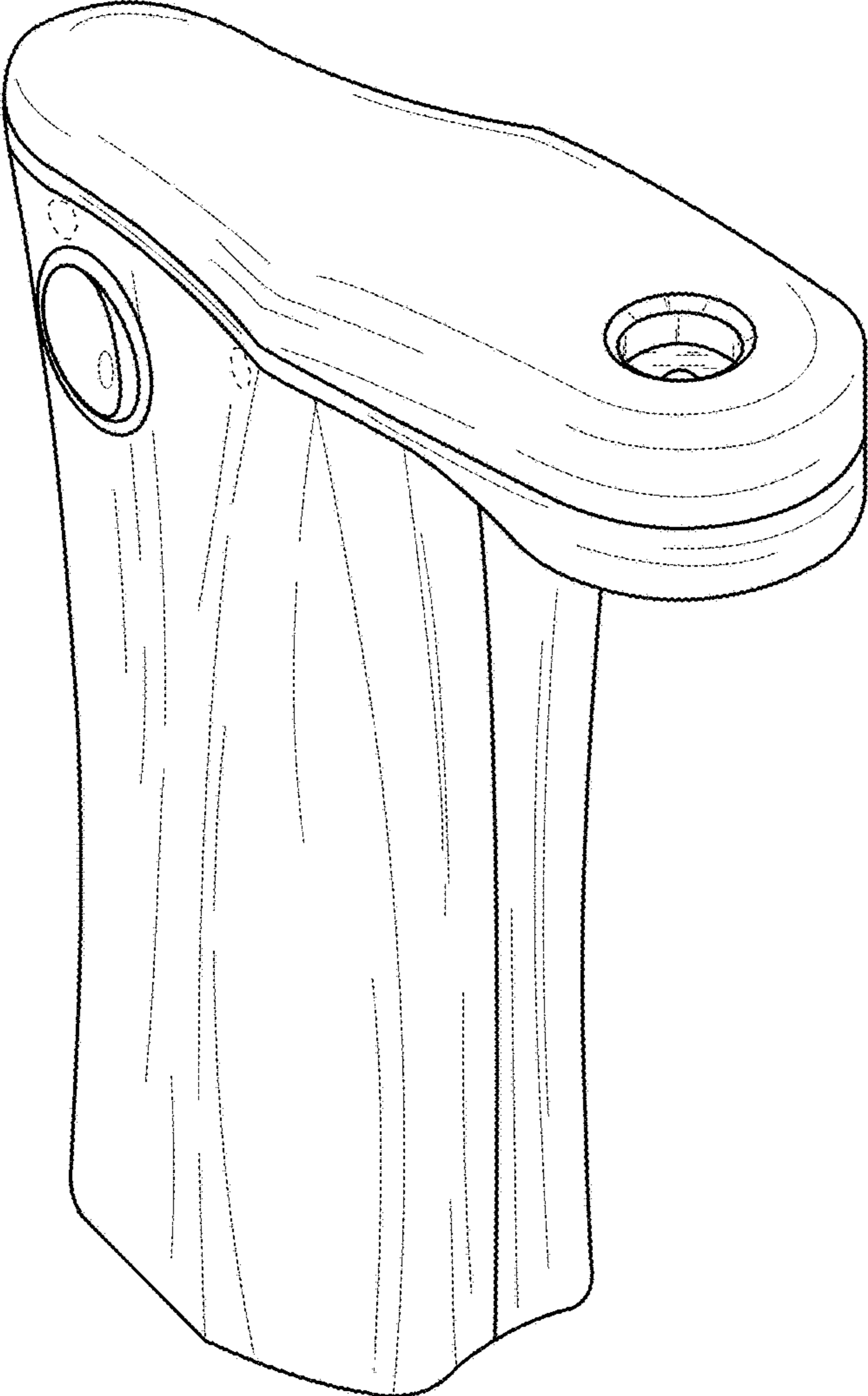


Fig.1

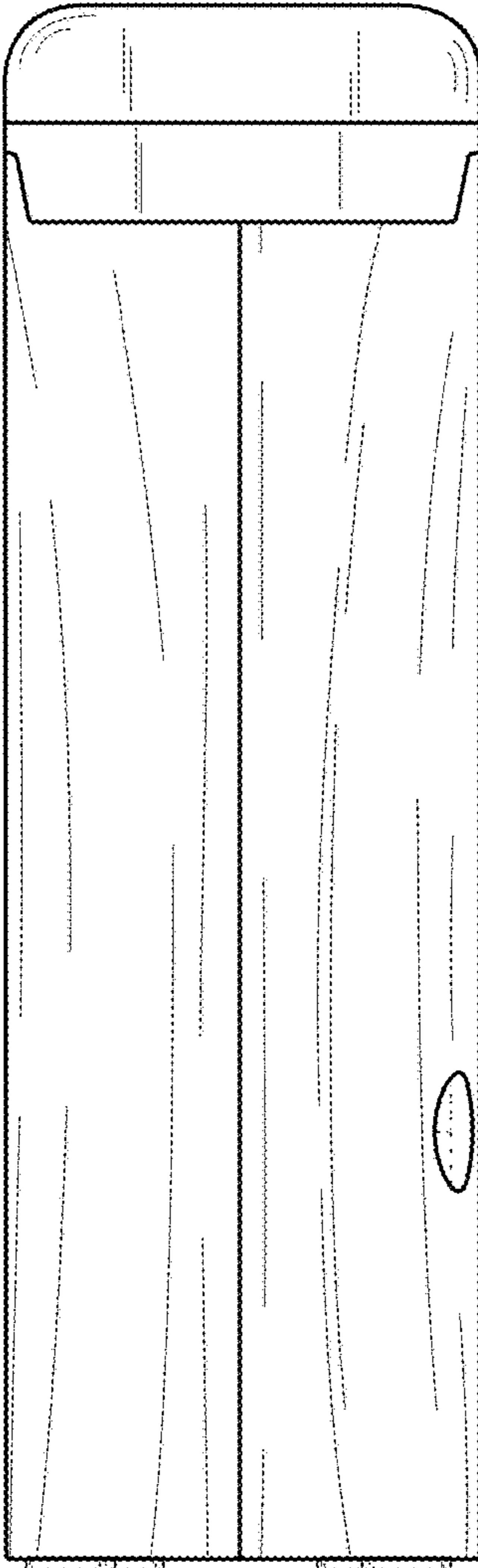


Fig.2

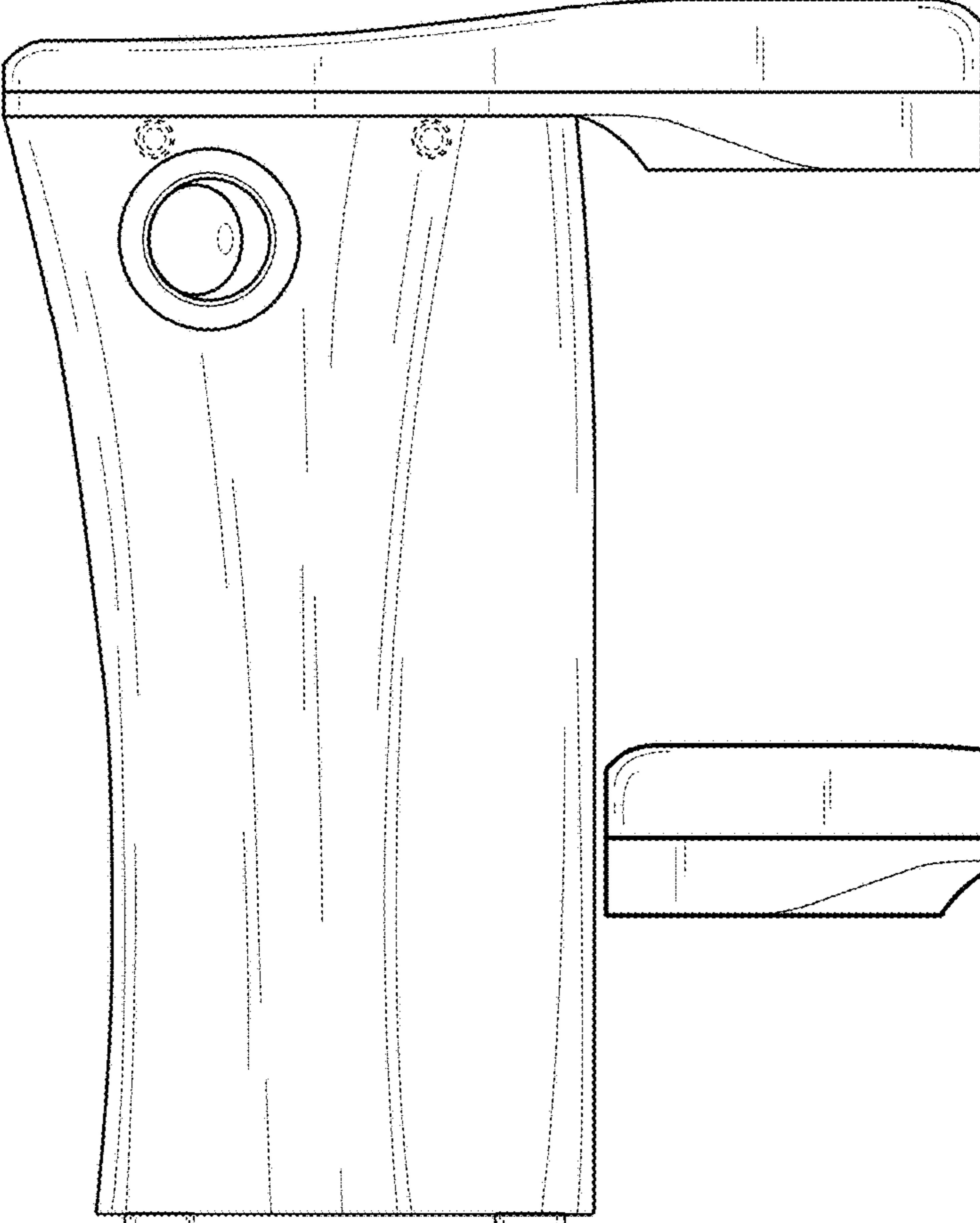


Fig.3

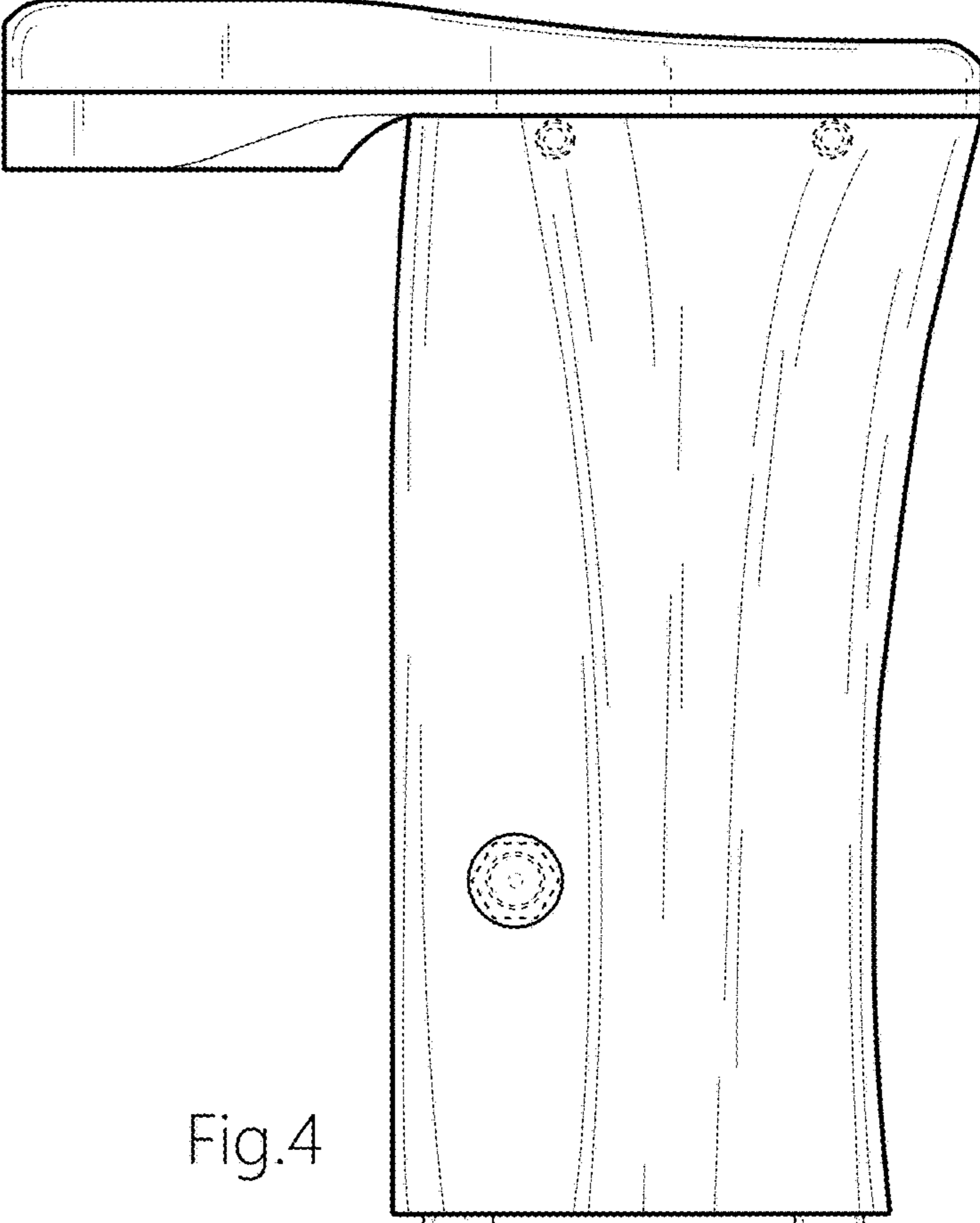


Fig.4

Fig.5

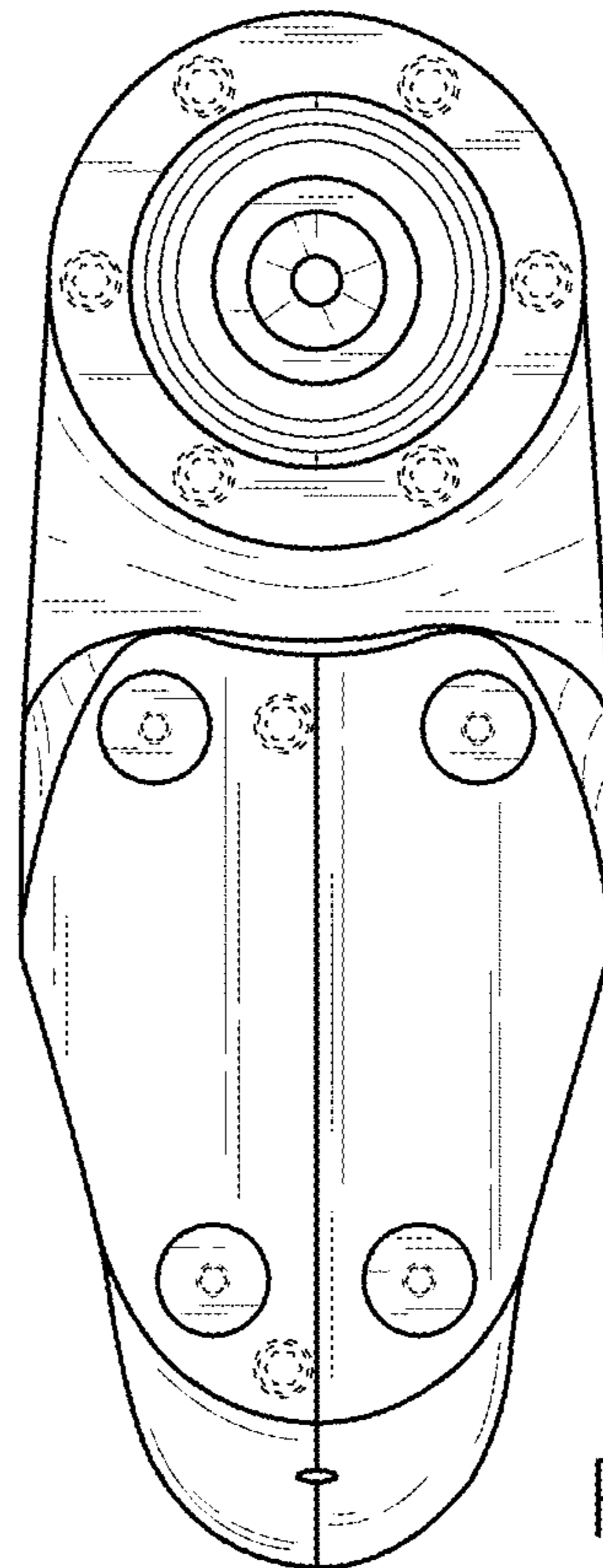
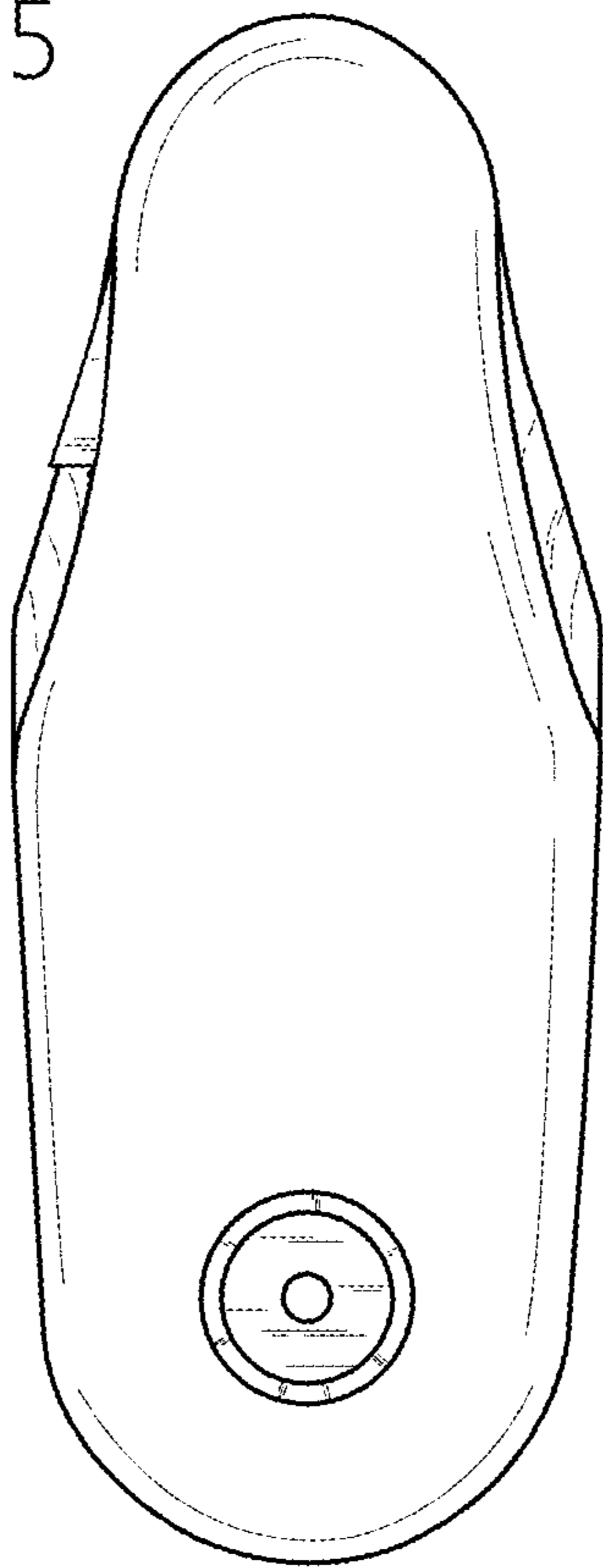


Fig.6

