



US00D817861S

(12) **United States Design Patent** (10) **Patent No.:** **US D817,861 S**  
**Mori** (45) **Date of Patent:** **\*\* May 15, 2018**

(54) **SPIKE PIN FOR AUTOMOBILE TIRE**

D776,048 S \* 1/2017 Matsumoto ..... D12/608  
D776,049 S \* 1/2017 Matsumoto ..... D12/608  
D777,097 S \* 1/2017 Matsumoto ..... D12/608  
2013/0000807 A1 \* 1/2013 Pons ..... B60C 11/1643  
152/210

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\* cited by examiner

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

(21) Appl. No.: **29/595,493**

(57) **CLAIM**

The ornamental design for a spike pin for automobile tire, as shown and described.

(22) Filed: **Feb. 28, 2017**

(30) **Foreign Application Priority Data**

**DESCRIPTION**

Aug. 30, 2016 (JP) ..... 2016-018480

(51) **LOC (11) Cl.** ..... **12-15**

(52) **U.S. Cl.**  
USPC ..... **D12/608**

(58) **Field of Classification Search**  
USPC ..... D12/604–608, 501, 544, 579  
CPC ... B60C 27/08; B60C 27/086; B60C 27/0223;  
B60C 11/1675; B60C 11/14  
See application file for complete search history.

FIG. 1 is a perspective view of a spike pin for an automobile tire showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a right side view thereof;  
FIG. 4 is a top view thereof;  
FIG. 5 is a bottom view thereof;  
FIG. 6 is a cross sectional view taken along lines 6-6 shown in FIG. 2; and,  
FIG. 7 is a cross sectional view taken along lines 7-7 shown in FIG. 3.

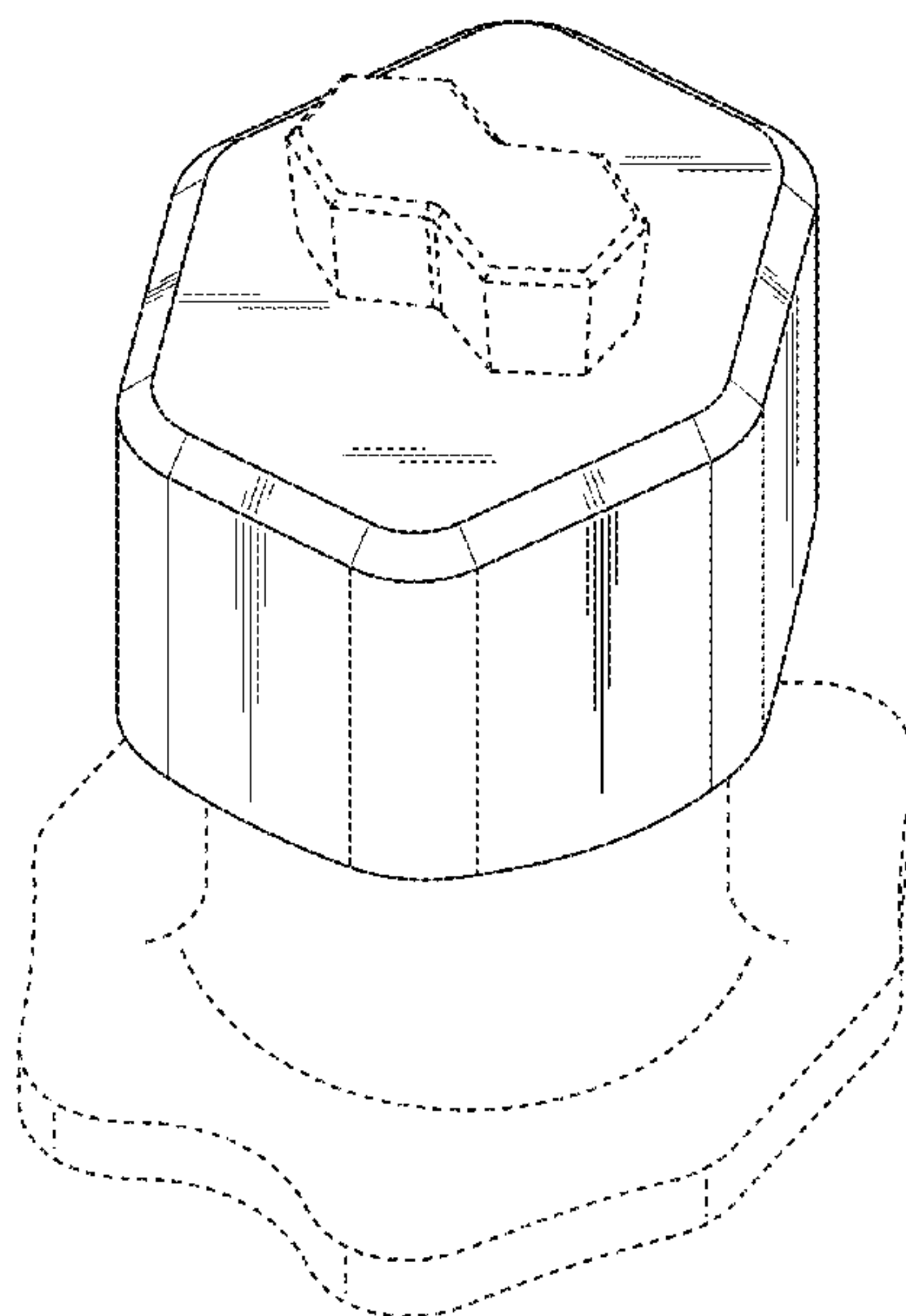
(56) **References Cited**

**U.S. PATENT DOCUMENTS**

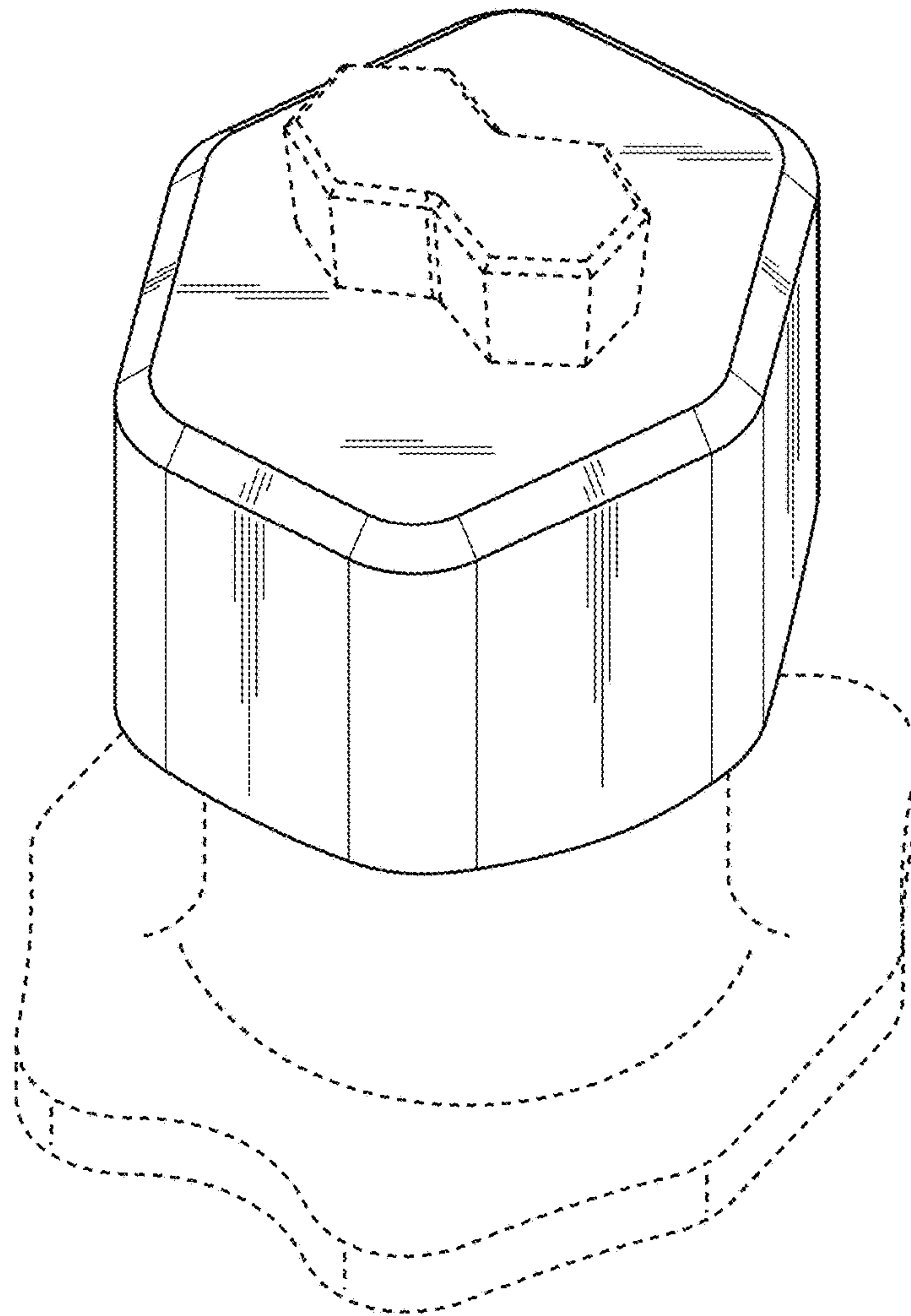
D584,979 S \* 1/2009 Pirhonen ..... D12/608  
D608,233 S \* 1/2010 Pirhonen ..... D12/608  
D609,127 S \* 2/2010 Pirhonen ..... D12/608  
D708,567 S \* 7/2014 Matsumoto ..... D12/608  
D774,449 S \* 12/2016 Matsumoto ..... D12/608  
D775,585 S \* 1/2017 Matsumoto ..... D12/608  
D775,586 S \* 1/2017 Matsumoto ..... D12/608  
D776,047 S \* 1/2017 Matsumoto ..... D12/608

In the drawings, the broken lines depict environmental subject matter only and form no part of the claimed design. The dot and dashed lines represents a boundary between the claimed portion and the non-claimed portion. A rear view appears to be identical to the front view and is omitted. A left side view appears to be identical to the right side view and is omitted. The thin lines shown in the views are for clarifying the shape of the three-dimensional surface.

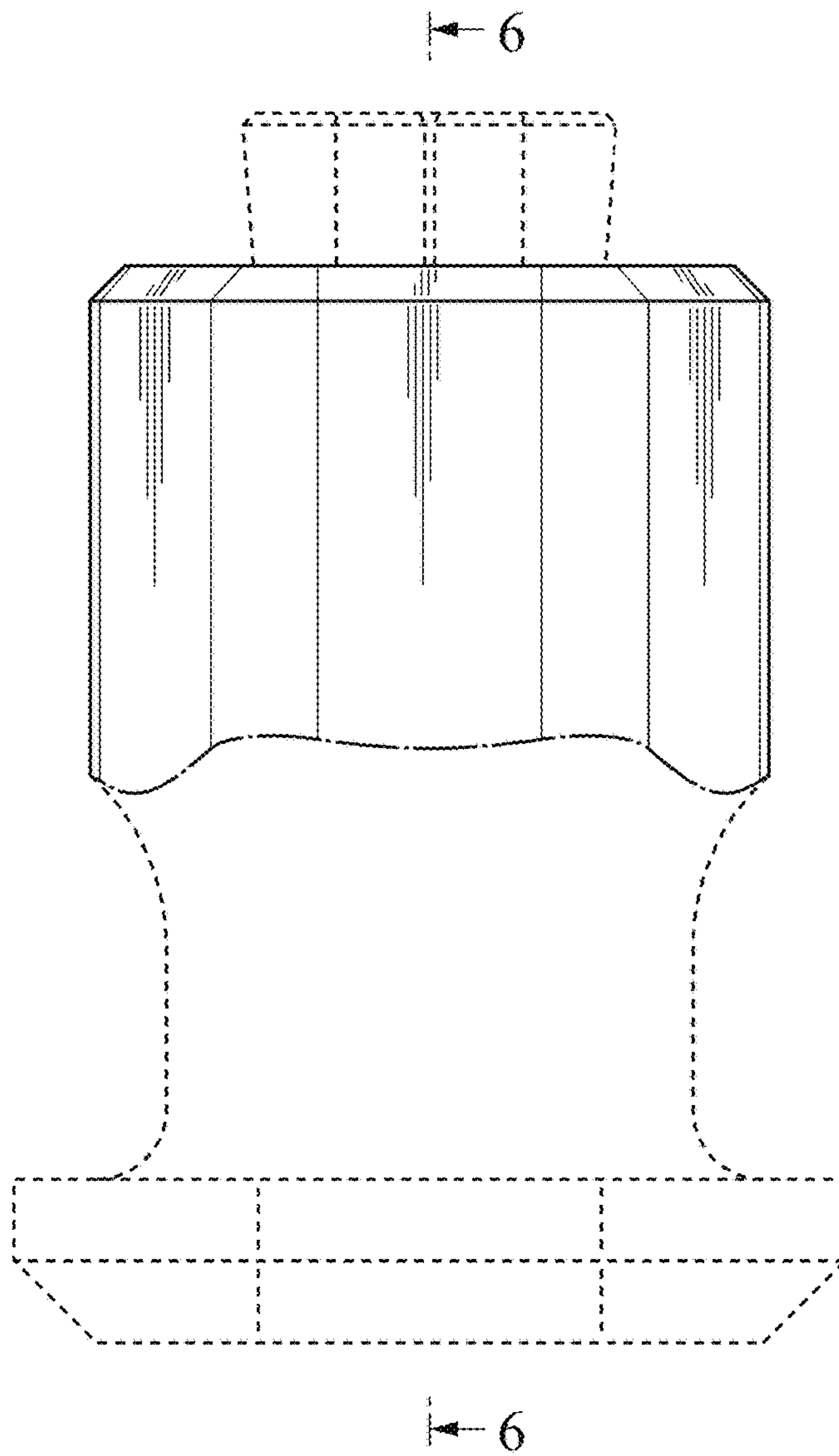
**1 Claim, 7 Drawing Sheets**



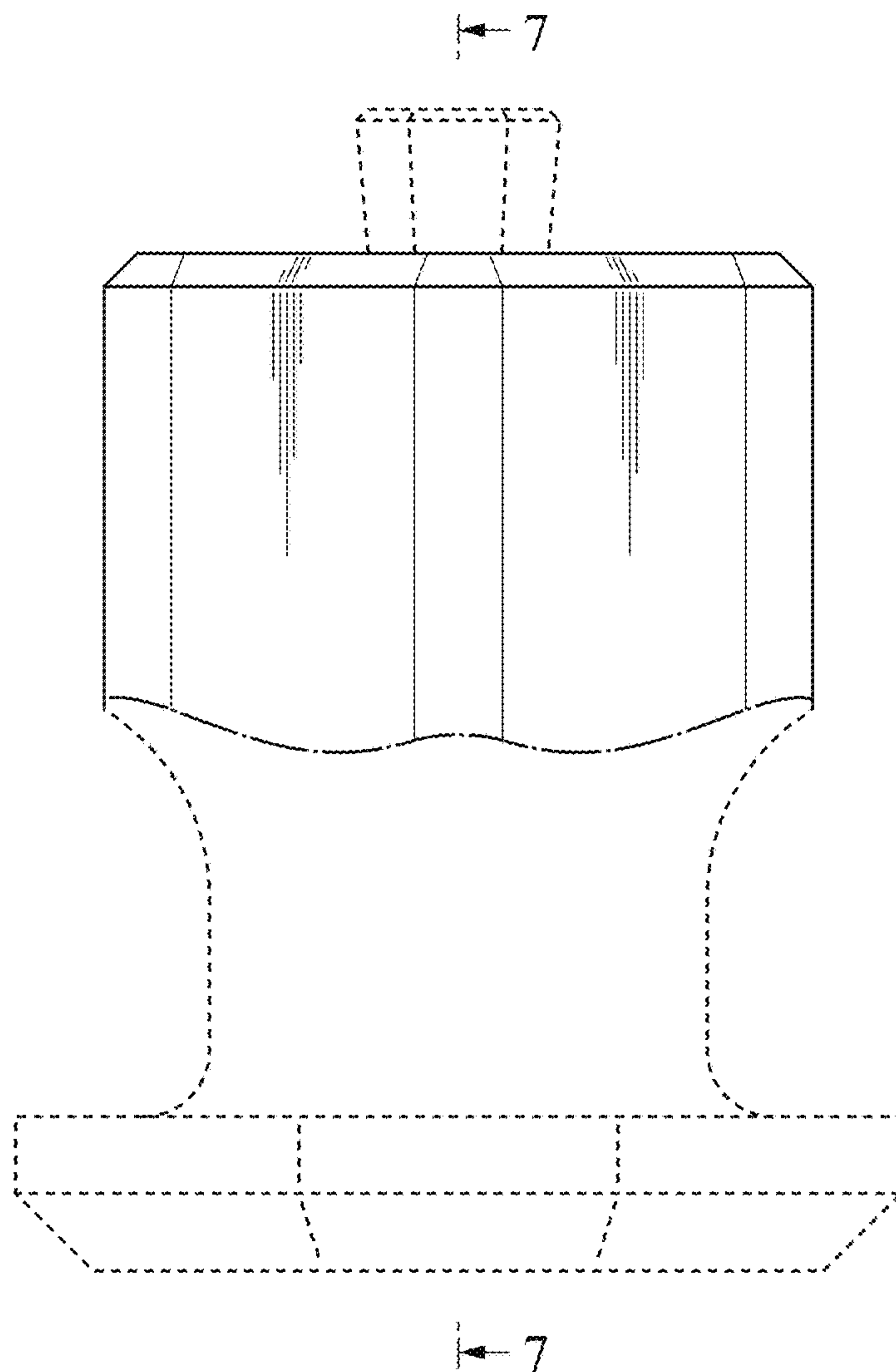
**FIG. 1**



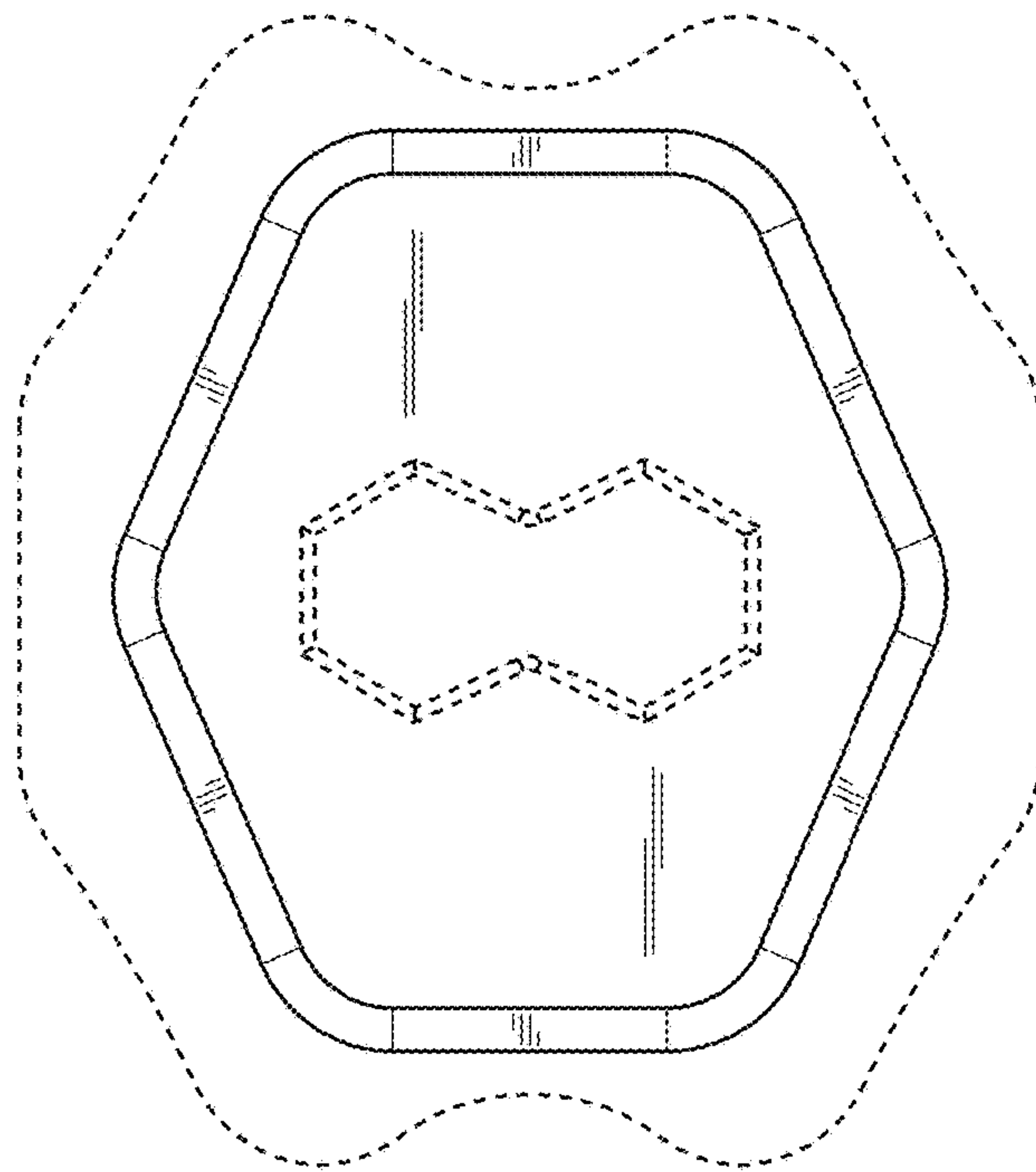
**FIG. 2**



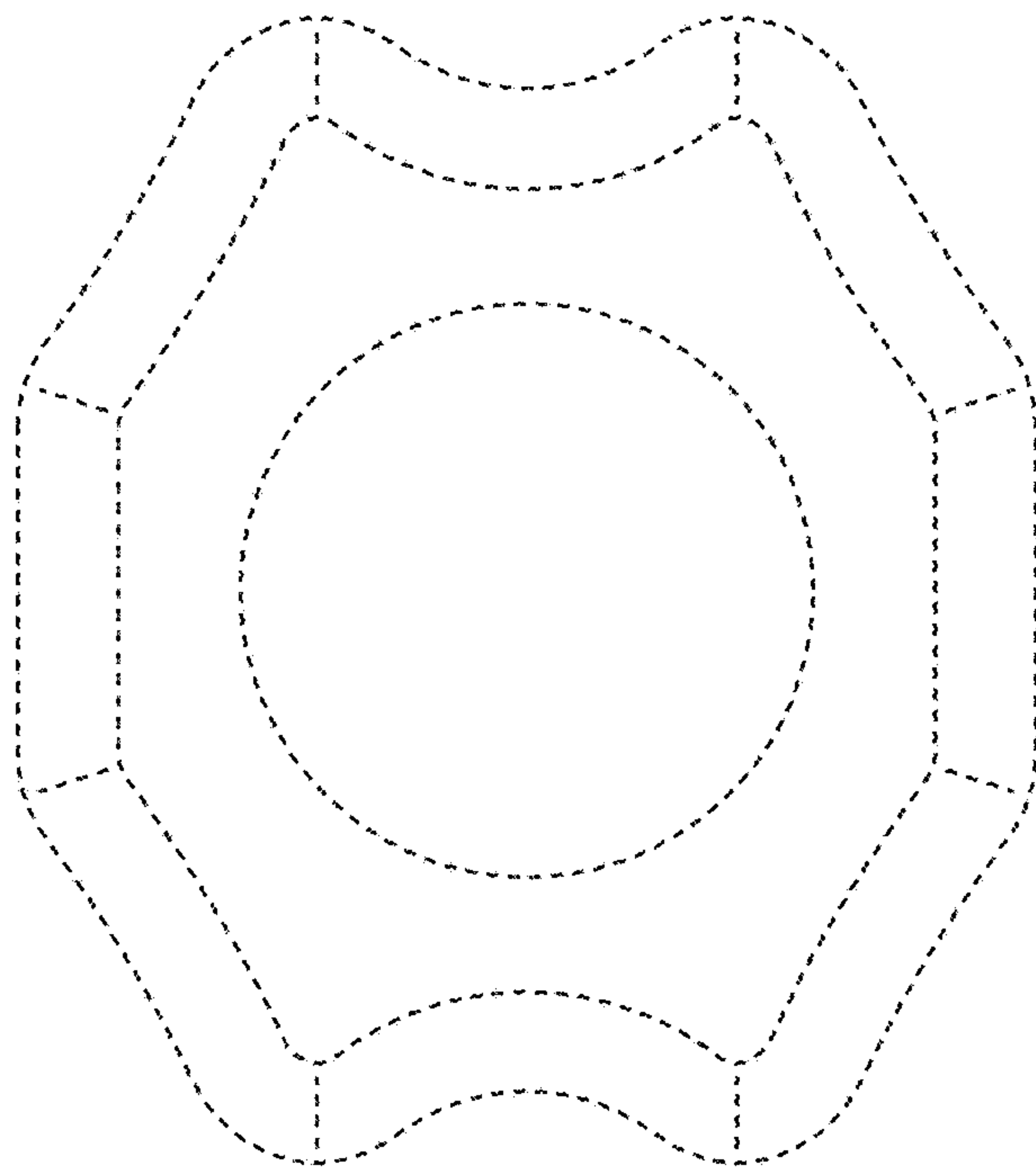
**FIG. 3**



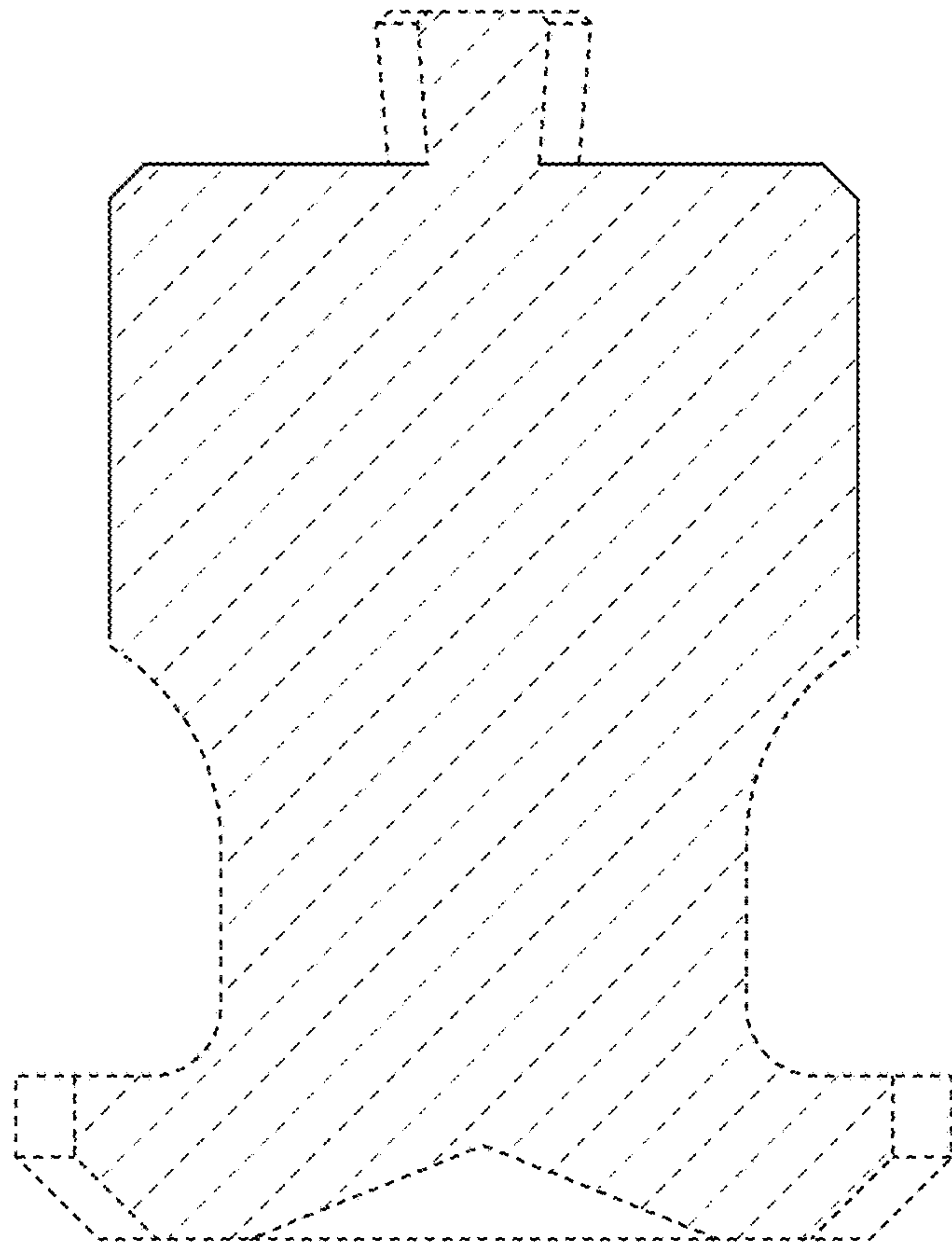
**FIG. 4**



**FIG. 5**



**FIG. 6**





**FIG. 7**

