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

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(54) **AIRCRAFT WHEEL BEARING HUB SEAL PROTECTOR**

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

(21) Appl. No.: **29/137,611**

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(51) **LOC (7) Cl.** **12-07**

(52) **U.S. Cl.** **D12/345**

(58) **Field of Search** D12/345; 244/100 R, 244/102 R, 104 R, 104 FP

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,770,372 A * 9/1988 Ralph D12/345
- 4,892,255 A * 1/1990 Waldrum D12/345

* cited by examiner

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(57) **CLAIM**

The aircraft wheel bearing hub seal protector, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of my new design of an aircraft wheel bearing hub seal protector;

FIG. 2 is a side view thereof, with the opposite sides being a mirror image;

FIG. 3 is an end view thereof from the left side of the view of FIG. 2;

FIG. 4 is a right end view thereof from the right side of the view of FIG. 2; and,

FIG. 5 is a cross-sectional view thereof shown mounted on the hub of an aircraft wheel, with the broken line showing for illustrative purposes only and forming no part of the claimed design.

1 Claim, 3 Drawing Sheets

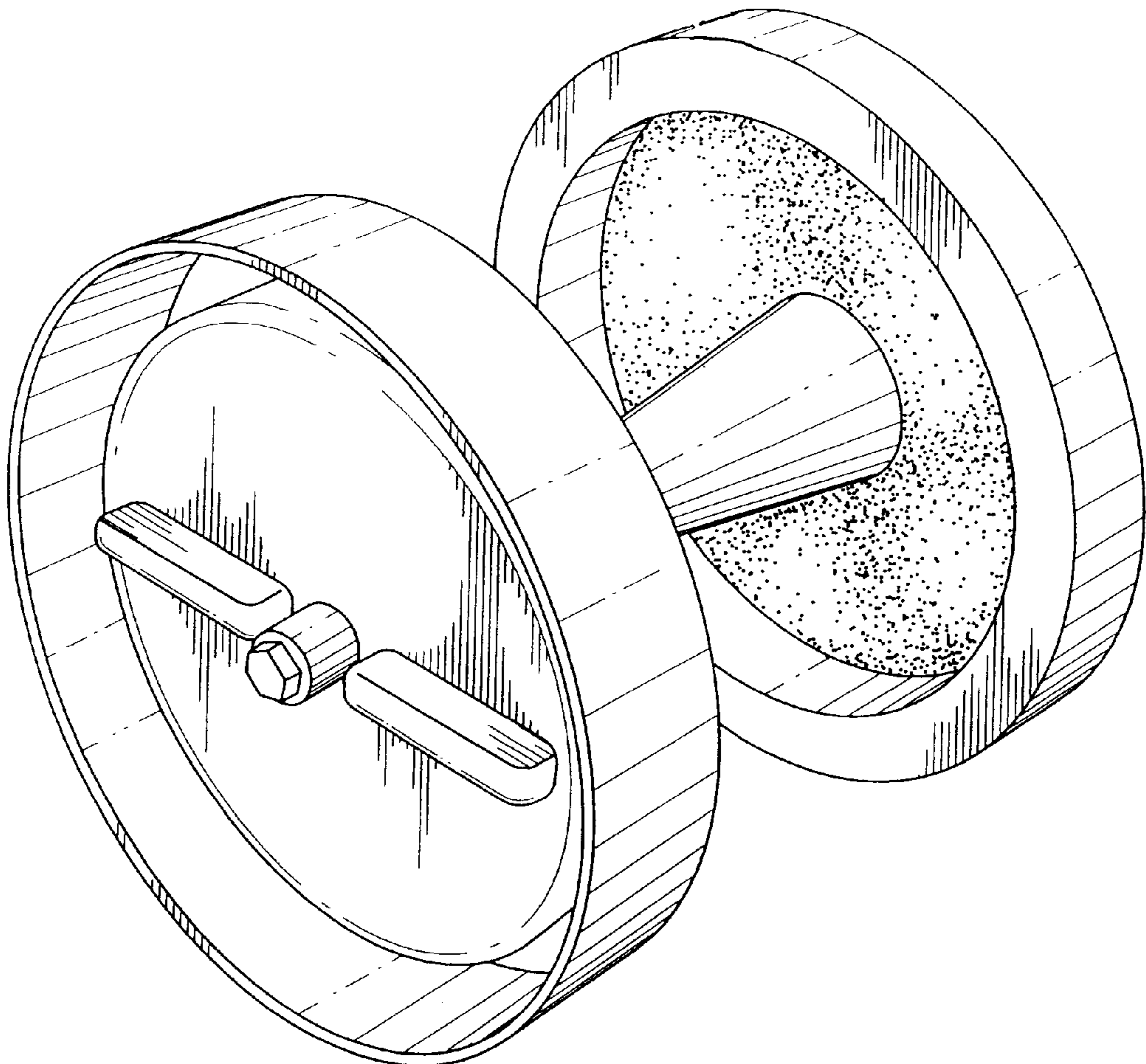


FIG. 1

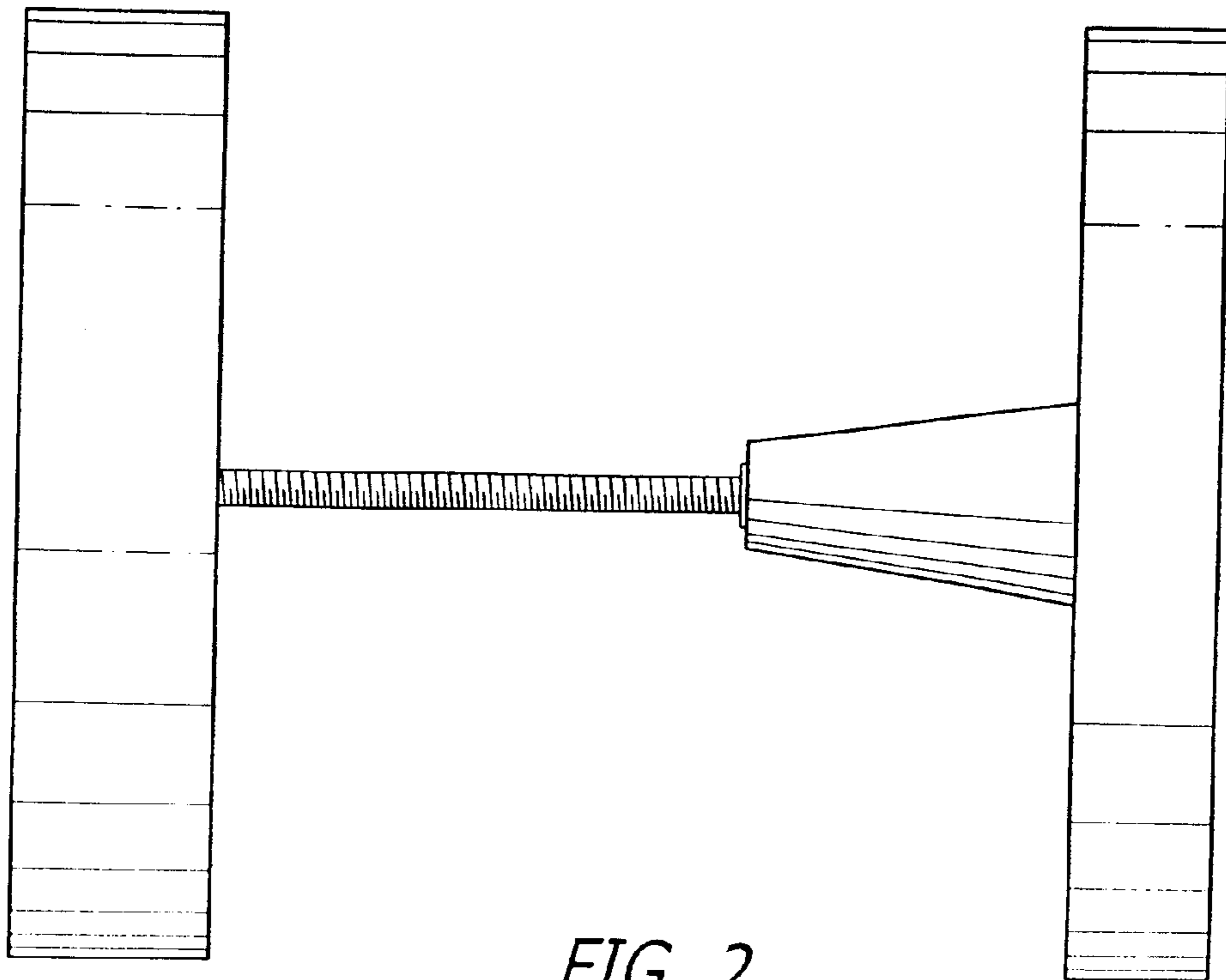
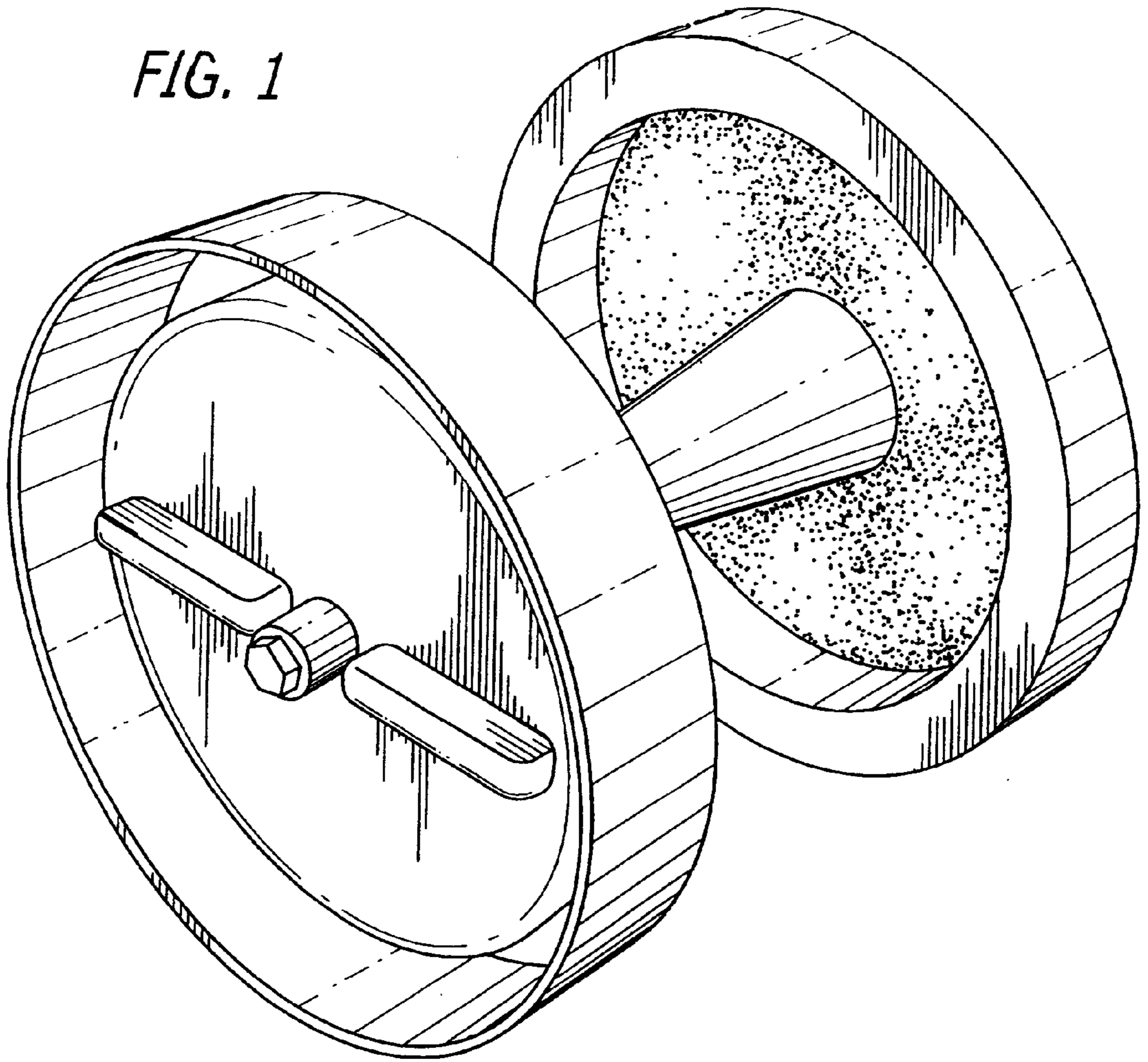


FIG. 2

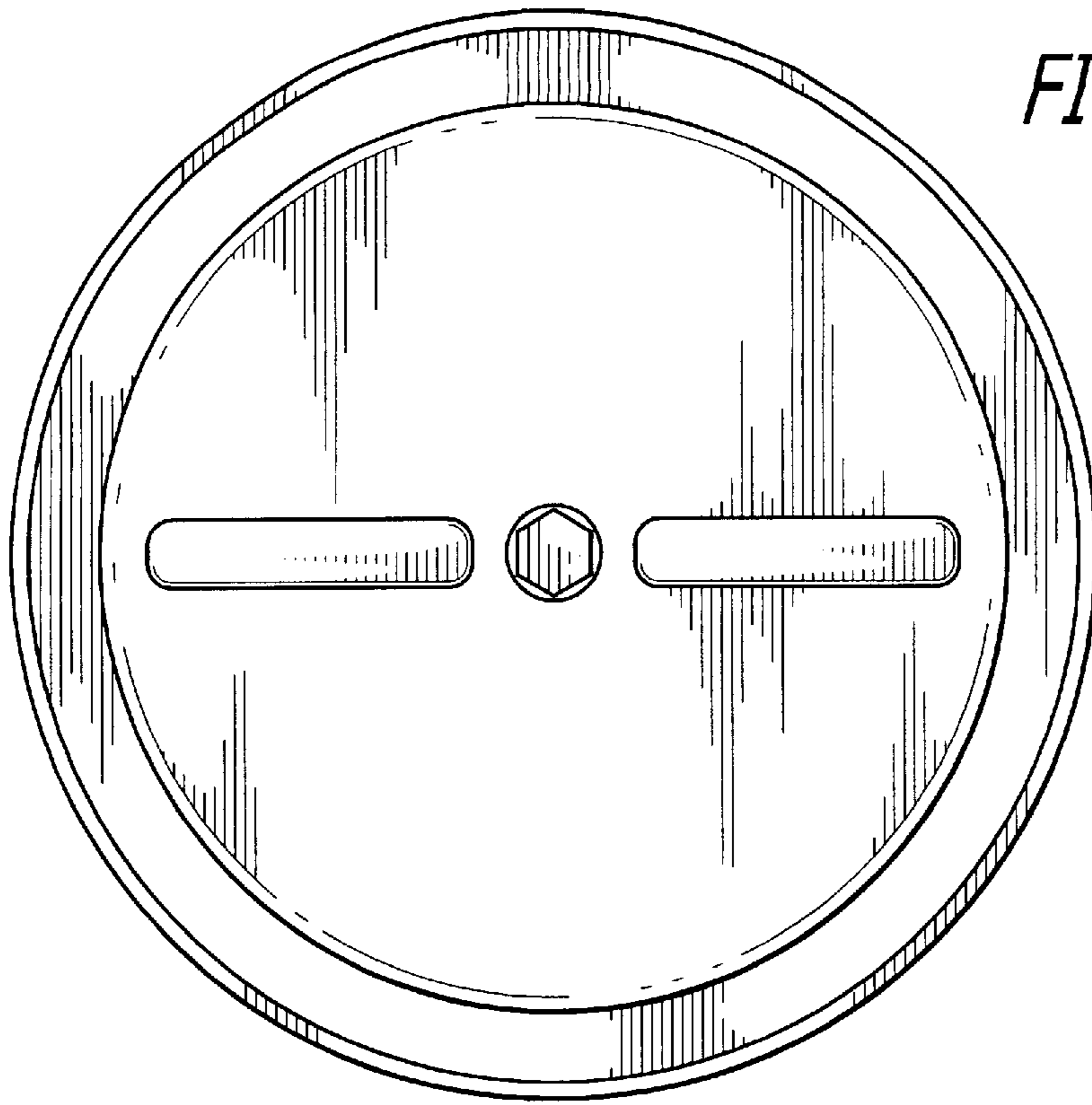


FIG. 3

FIG. 4

