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(12) **United States Design Patent**  
**Romero Carreras**

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(54) **AXIAL IMPULSE DEVICE FOR GASEOUS FLUIDS**

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(73) Assignee: **Novovent S.L.**, Barcelona (ES)

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (9) Cl.** ..... **23-04**

(52) **U.S. Cl.** ..... **D23/370; D23/379**

(58) **Field of Classification Search** ..... D23/328, D23/335-337, 370-386, 397, 411-414; 248/676; 310/58, 59, 60 A, 60 R, 61-65; 392/365-369, 392/373, 374, 382, 383; 416/63, 179, 185, 416/186 R, 187, 189, 235, 244 R, 246, 247 R  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,963 A \* 2/1847 Armstrong et al. .... 416/189  
D23,810 S \* 11/1894 Wilder ..... D23/328  
D137,596 S \* 4/1944 Gren ..... D23/328

2,444,966 A \* 7/1948 Troller ..... D23/370  
D151,311 S \* 10/1948 Zeiler et al. .... D23/379  
D195,287 S \* 5/1963 Downing ..... D23/370  
3,257,071 A \* 6/1966 Harris ..... 416/187  
D314,619 S \* 2/1991 Beavers et al. .... D23/383  
D325,628 S \* 4/1992 Cho ..... D23/370  
D560,789 S \* 1/2008 Lee et al. .... D23/379  
7,443,063 B2 \* 10/2008 Vinson et al. .... 310/58  
D597,193 S \* 7/2009 Reuter ..... D23/382  
D620,096 S \* 7/2010 Underwood ..... D23/379

**OTHER PUBLICATIONS**

U.S. Appl. No. 29/399,746, filed Aug. 18, 2011, Jordi Romero Carreras, Novovent S.L.

\* cited by examiner

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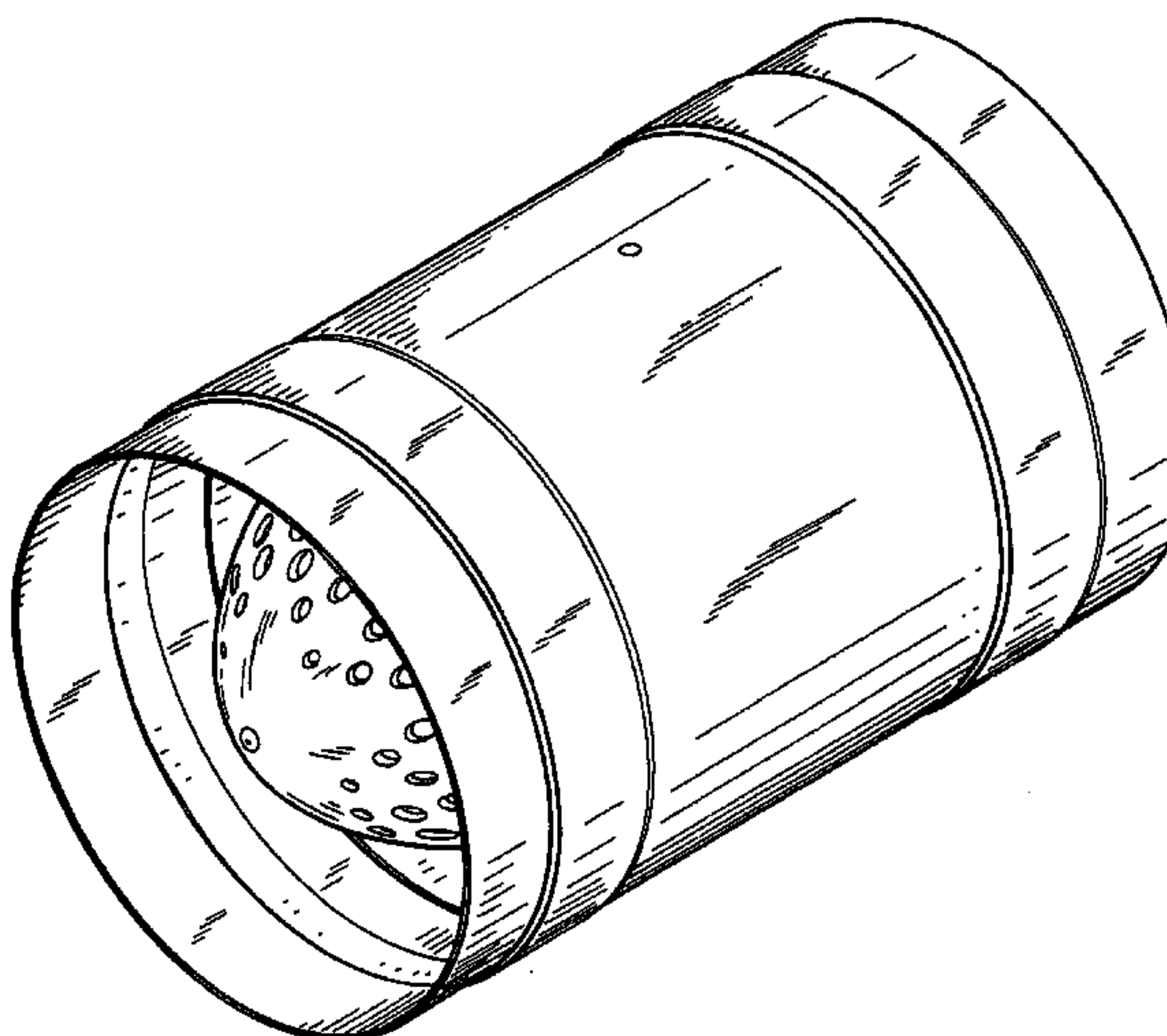
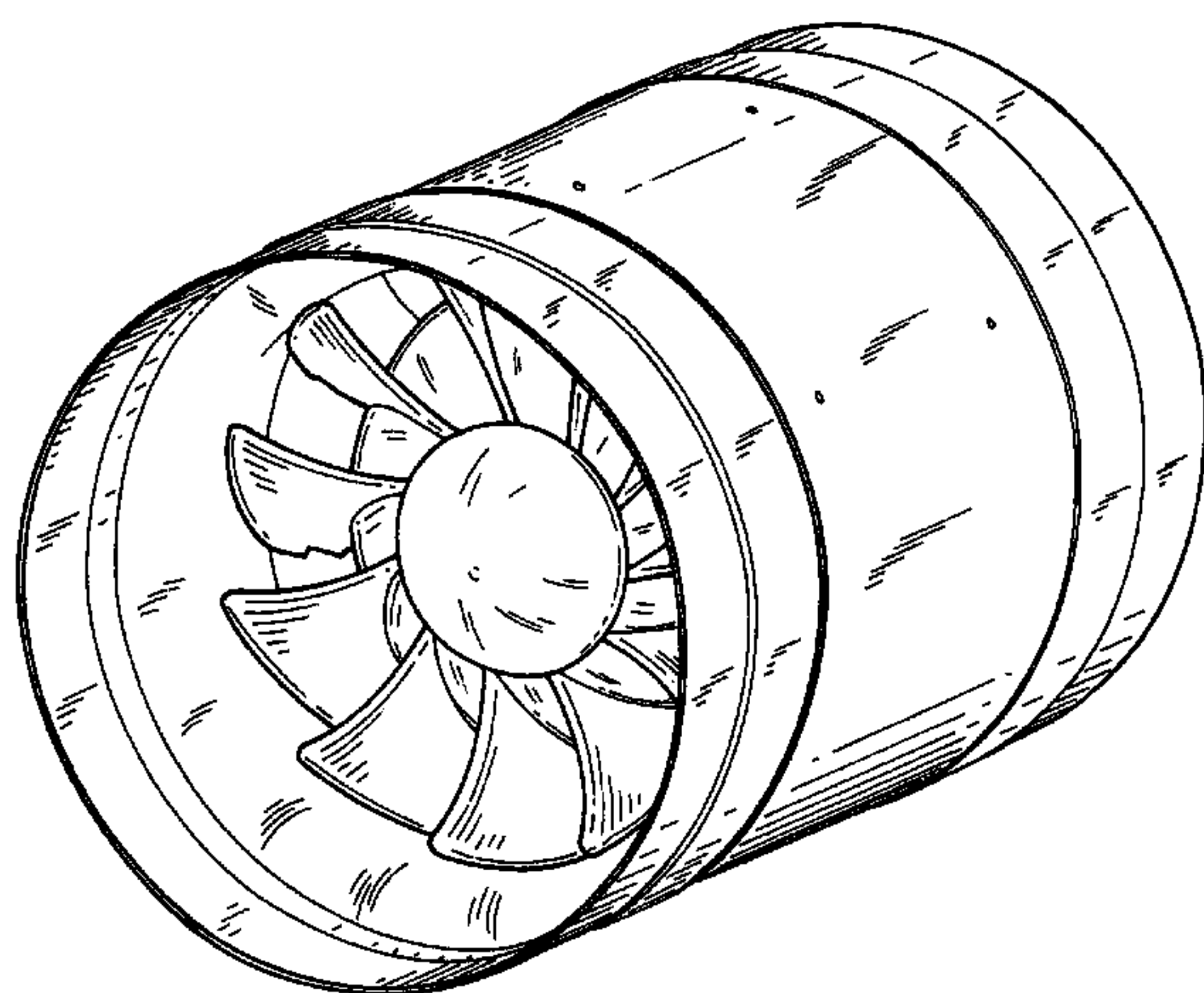
(57) **CLAIM**

The ornamental design for a axial impulse device for gaseous fluids, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of the axial impulse device for gaseous fluids showing my design;  
FIG. 2 is a rear perspective view thereof;  
FIG. 3 is an exploded view thereof;  
FIG. 4 is a front view thereof;  
FIG. 5 is a rear view thereof; and,  
FIG. 6 is a top view thereof, the bottom being identical thereto.

**1 Claim, 6 Drawing Sheets**



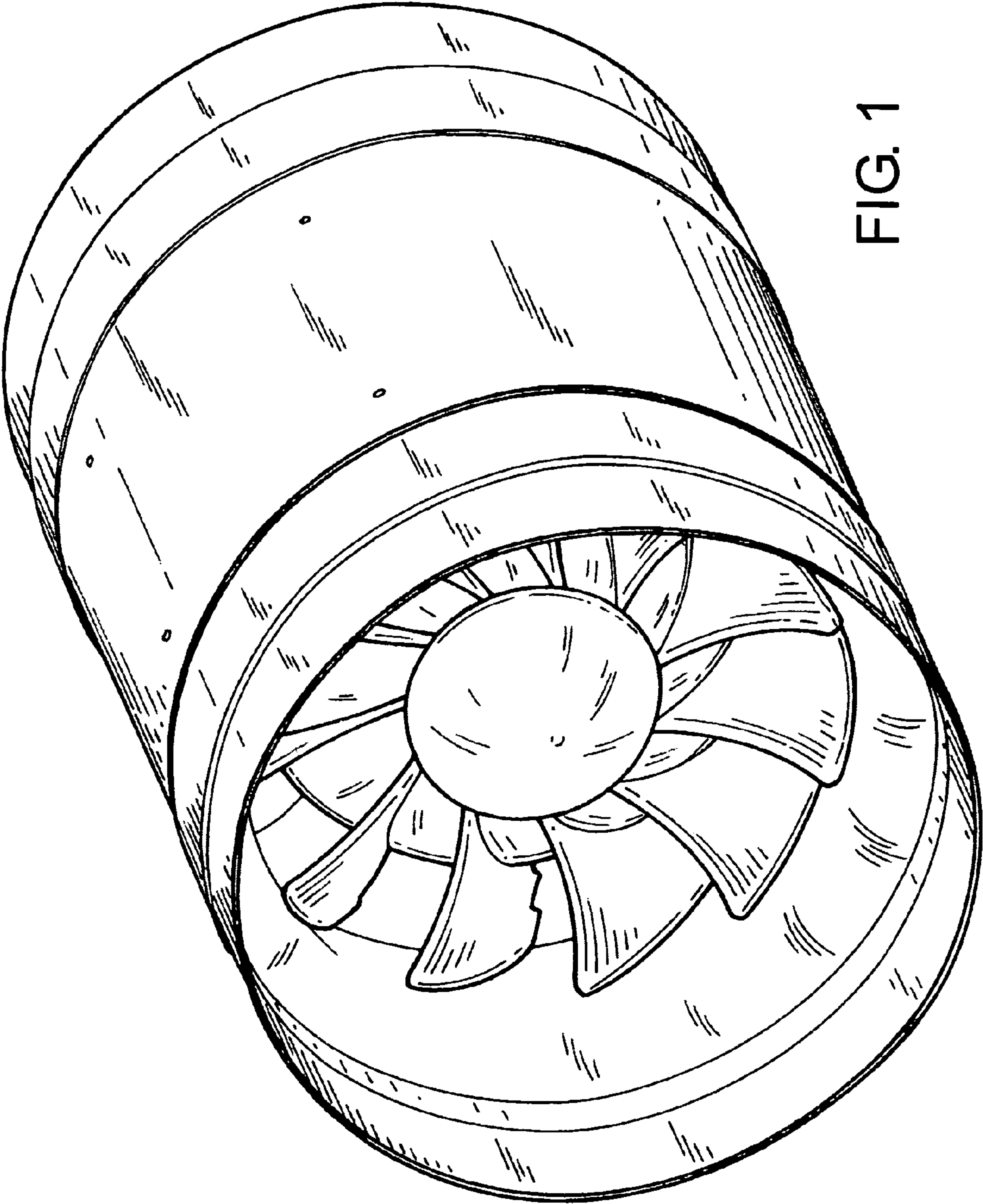


FIG. 1

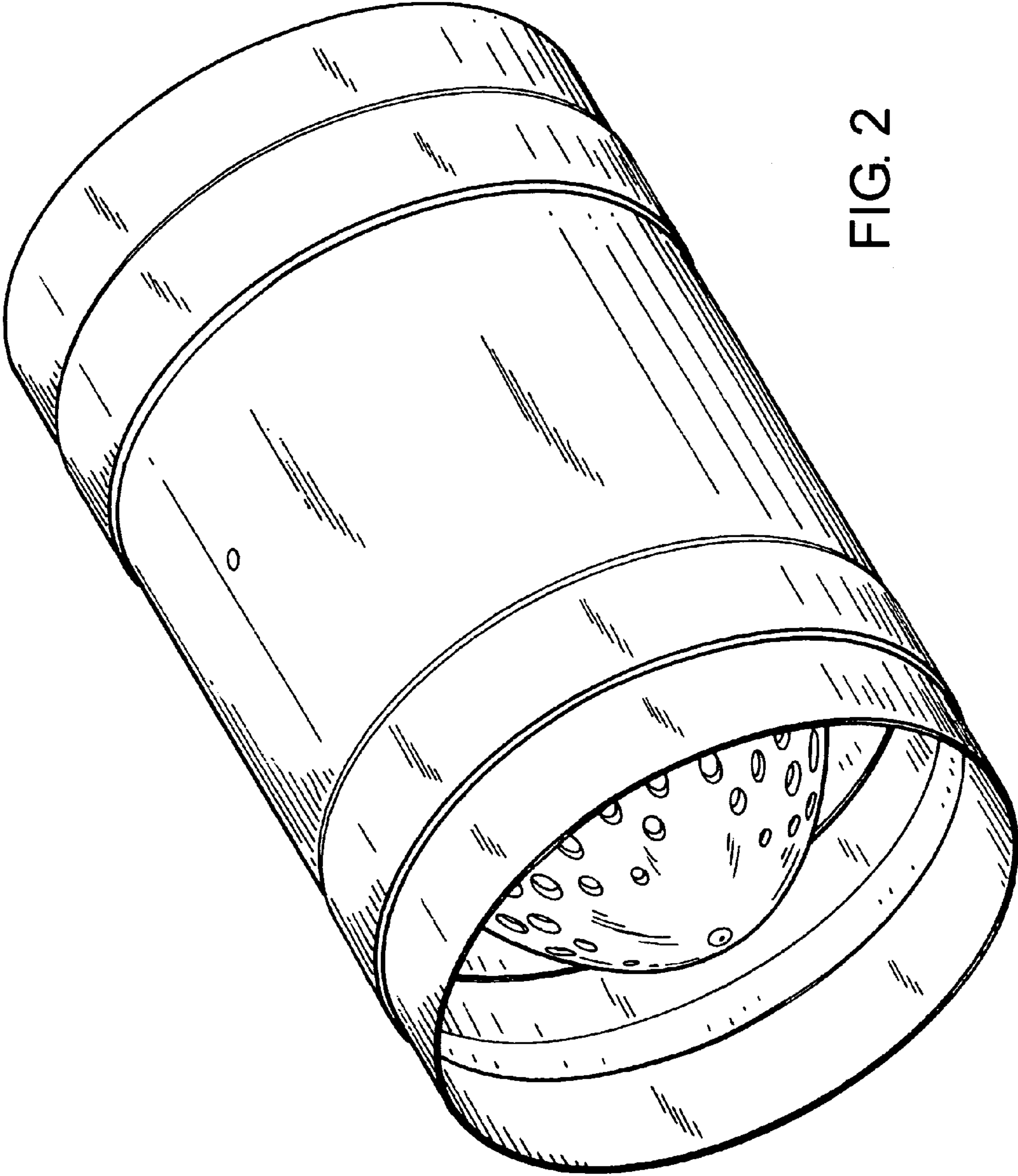


FIG. 2



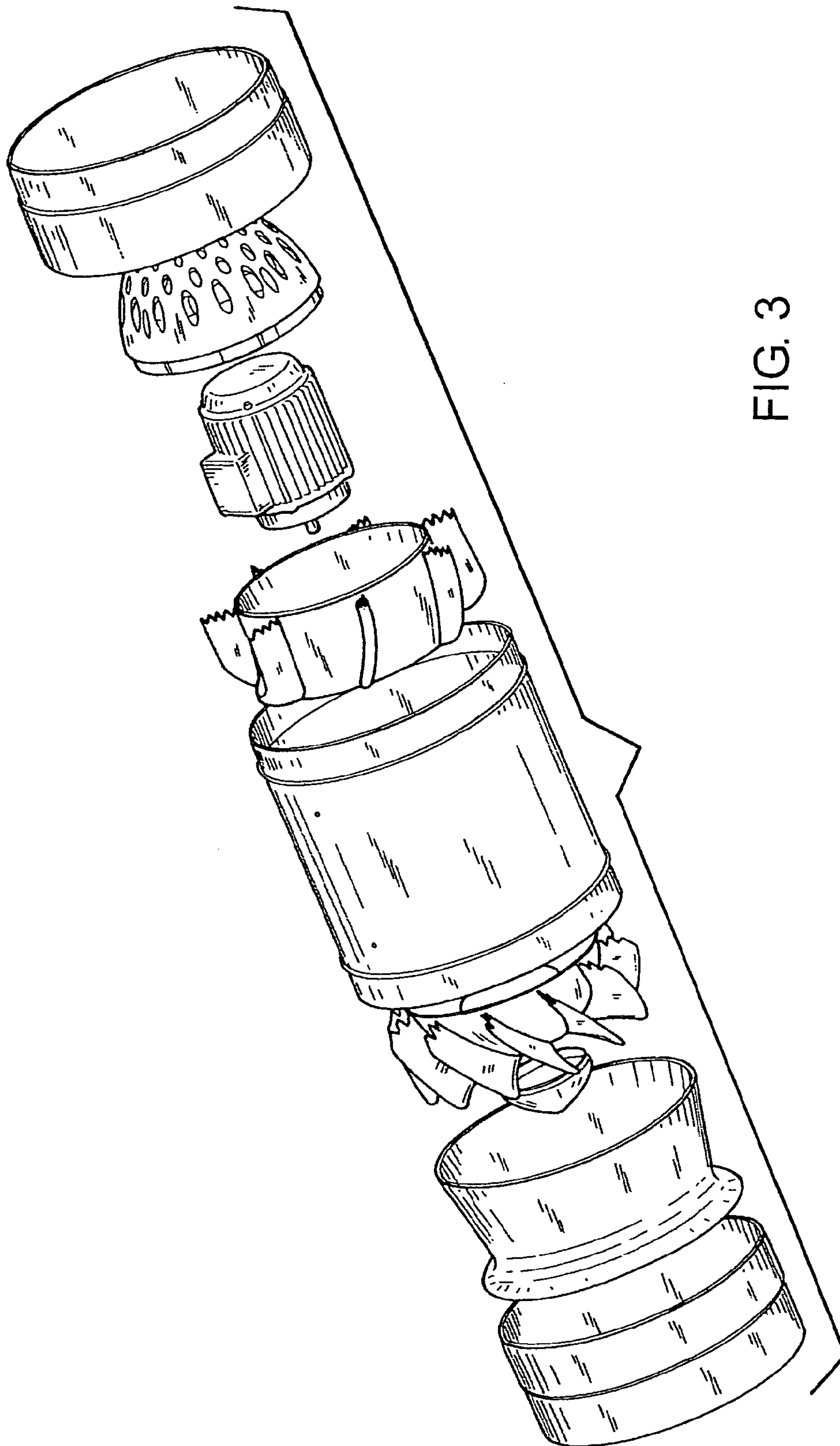


FIG. 3

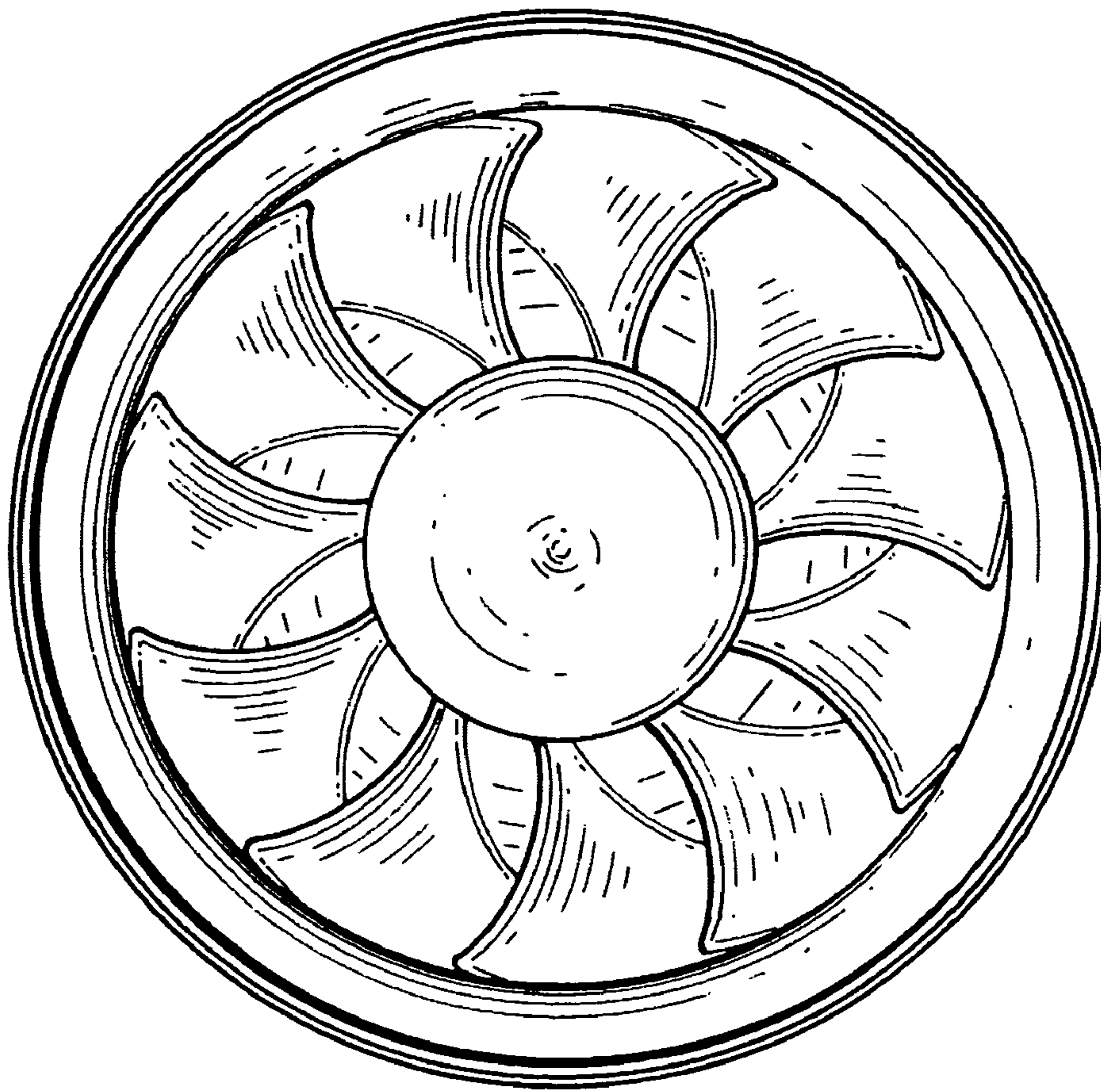
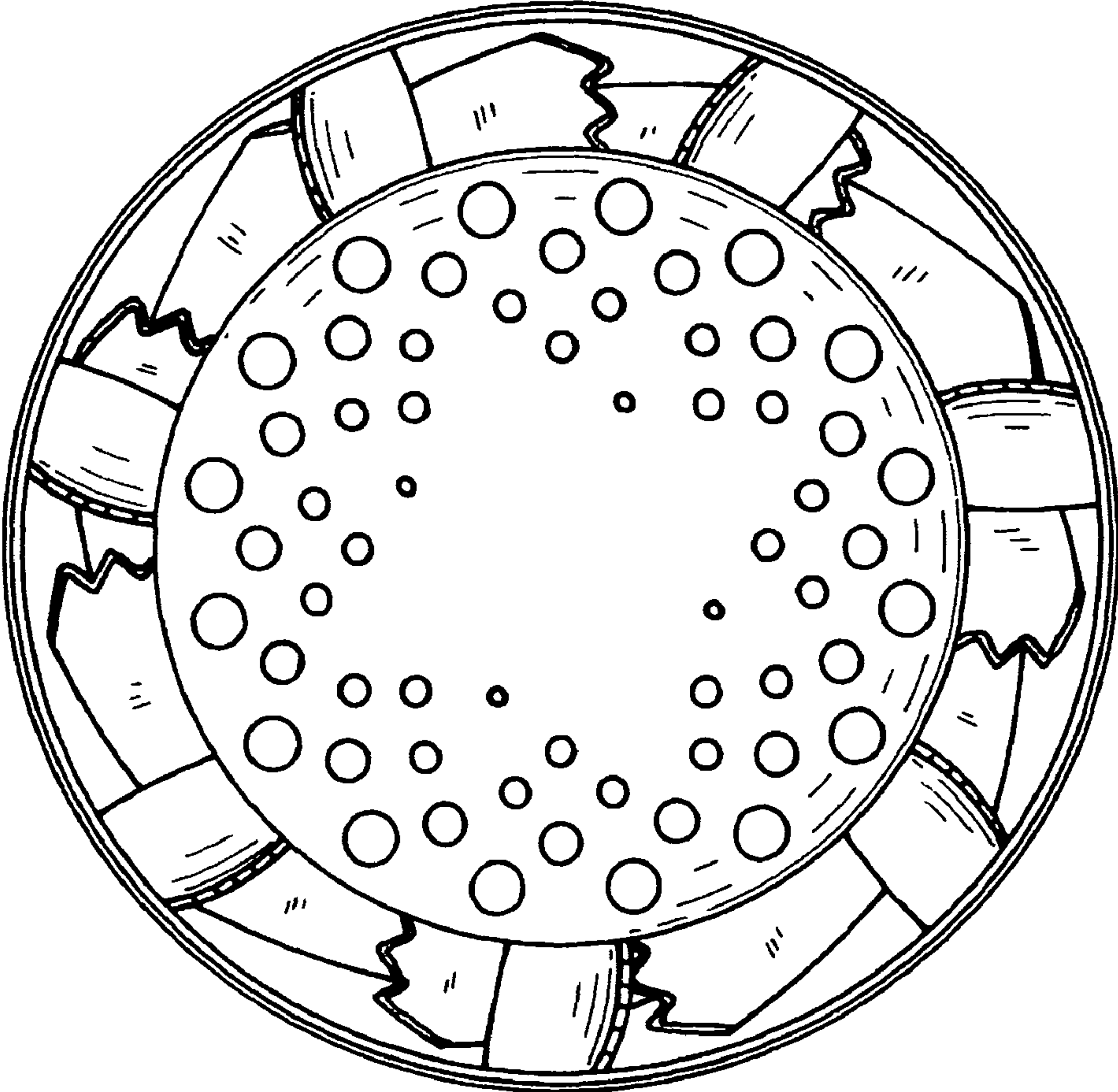


FIG. 4

FIG. 5



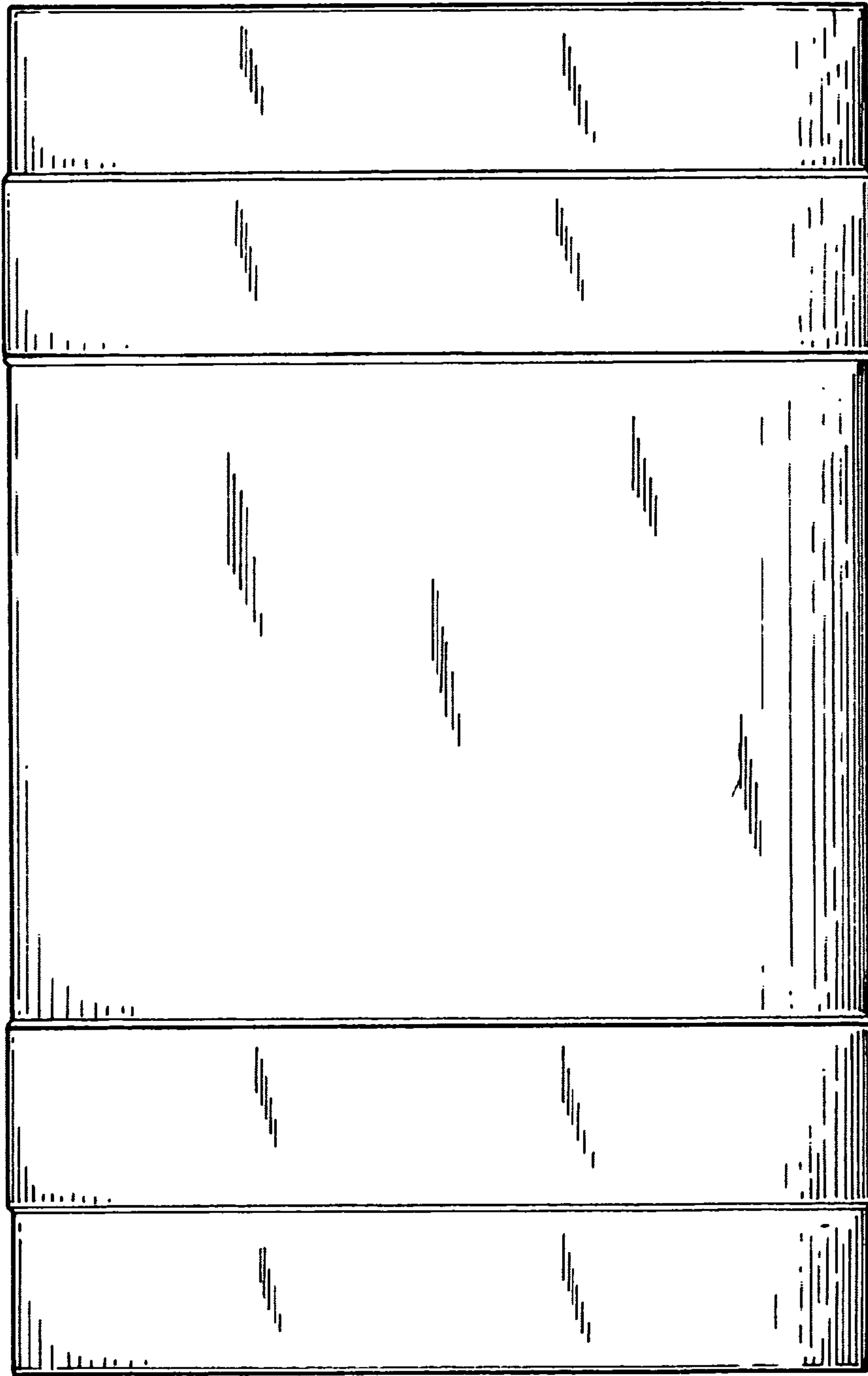


FIG. 6