



US00D720446S

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

(10) **Patent No.:** **US D720,446 S**

(45) **Date of Patent:** **\*\* Dec. 30, 2014**

(54) **APPARATUS FOR REDUCING THE GROWTH OF MICROBIAL CONTAMINATION IN AN AIR-HANDLING UNIT**

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2011/0268567 A1\* 11/2011 Ching ..... 415/213.1

\* cited by examiner

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(72) Inventor: **Walter B. Ellis**, Jupiter, FL (US)

(57) **CLAIM**

The ornamental design for an apparatus for reducing the growth of microbial contamination in an air-handling unit, as shown and described.

(73) Assignee: **RGF Environmental Group, Inc.**,  
Riviera Beach, FL (US)

**DESCRIPTION**

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

(21) Appl. No.: **29/443,996**

FIG. 1 is a top right front perspective view of an apparatus for reducing the growth of microbial contamination in an air-handling unit showing an embodiment of my new design.

(22) Filed: **Jan. 24, 2013**

FIG. 2 is a top right front perspective view of the apparatus as shown in FIG. 1.

(51) **LOC (10) Cl.** ..... **23-04**

FIG. 3 is a right side view of the apparatus as shown in FIG. 1.

(52) **U.S. Cl.**

USPC ..... **D23/355**

FIG. 4 is a front view of the apparatus as shown in FIG. 1.

(58) **Field of Classification Search**

USPC ..... D23/355–366, 352, 369, 332, 333, 335, D23/336, 342, 351, 328, 370, 378, 379; 422/120, 122; 55/356, 473, 504; 96/97; 261/DIG. 17, DIG. 65, DIG. 88, DIG. 31

See application file for complete search history.

FIG. 5 is a left side view of the apparatus as shown in FIG. 1.

FIG. 6 is a top view of the apparatus as shown in FIG. 1.

FIG. 7 is a rear view of the apparatus as shown in FIG. 1.

FIG. 8 is a bottom view of the apparatus as shown in FIG. 1.

FIG. 9 is a top right front perspective view of the apparatus as shown in FIG. 1 with unclaimed environmental structure.

FIG. 10 is a bottom rear perspective view of the apparatus as shown in FIG. 1 with unclaimed environmental structure.

FIG. 11 is a right side view of the apparatus as shown in FIG. 1 with unclaimed environmental structure; and,

FIG. 12 is a bottom right rear perspective view of the apparatus as shown in FIG. 1 with unclaimed environmental structure.

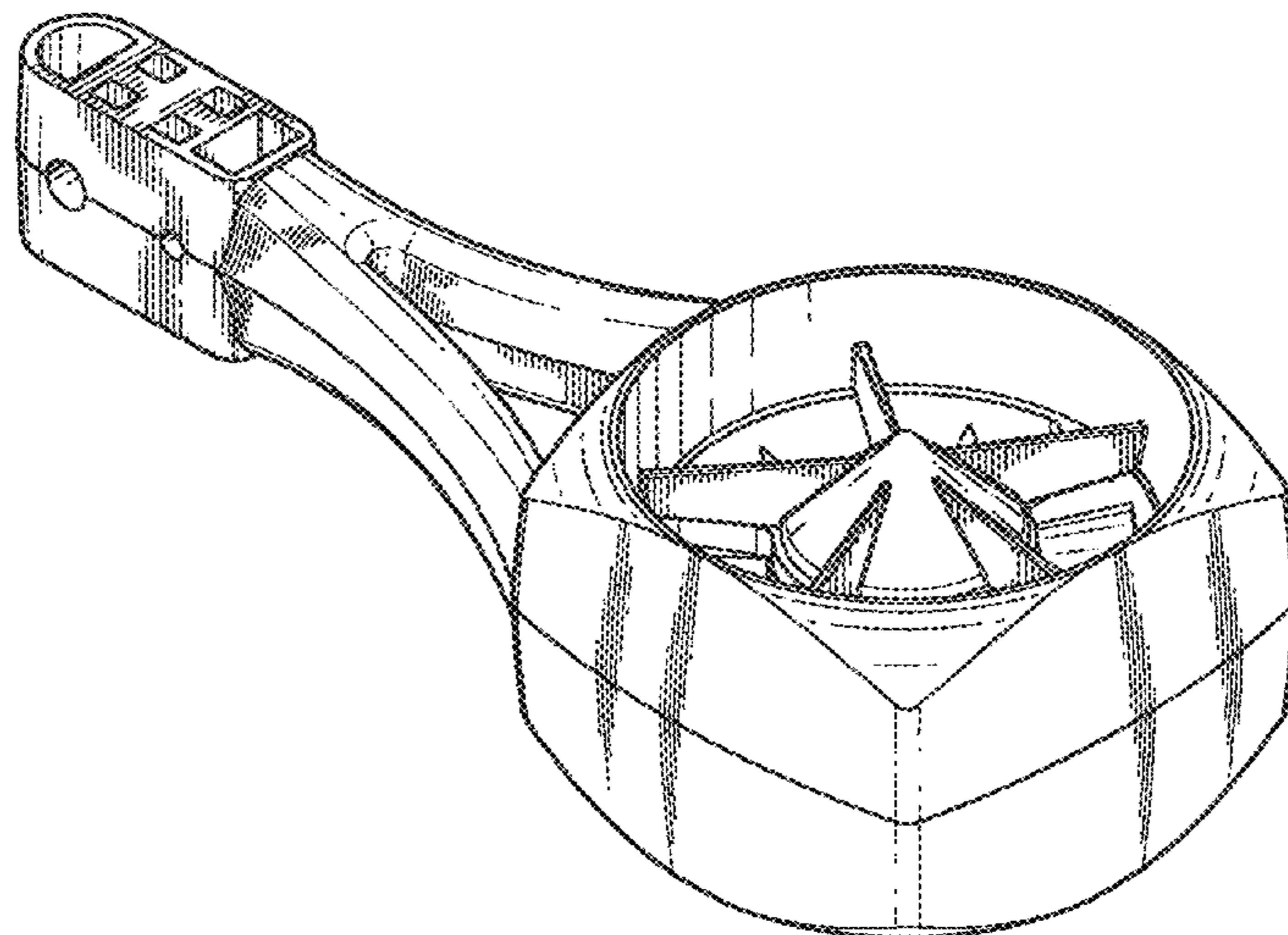
The broken lines shown in the drawings are for illustrating the environment for an apparatus for reducing the growth of microbial contamination in an air-handling unit and form no part of the claimed design. The shading lines shown in the drawings represent the three dimensional contour of the design and are not intended to indicate surface decoration.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

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**1 Claim, 8 Drawing Sheets**



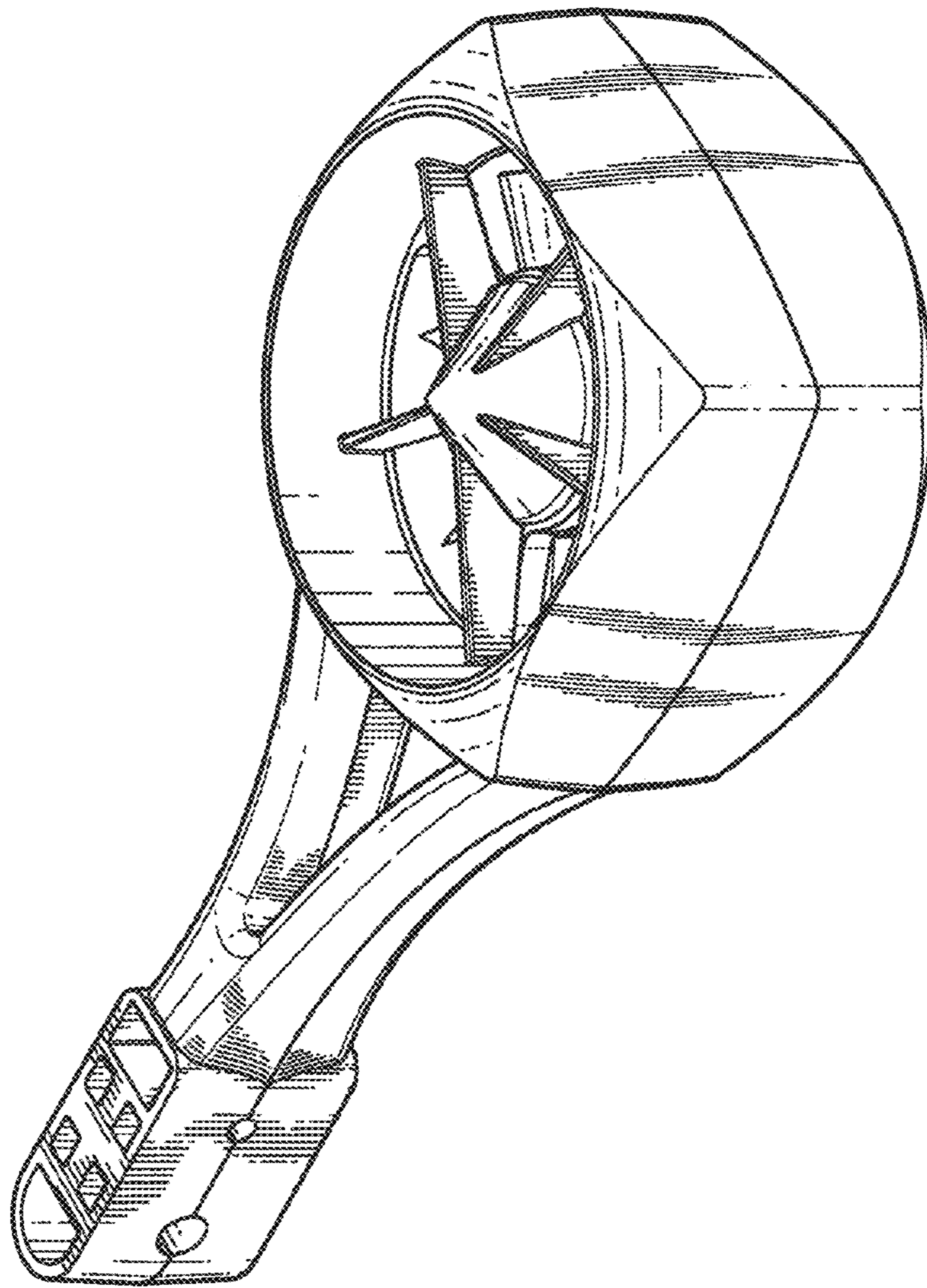


FIG. 1

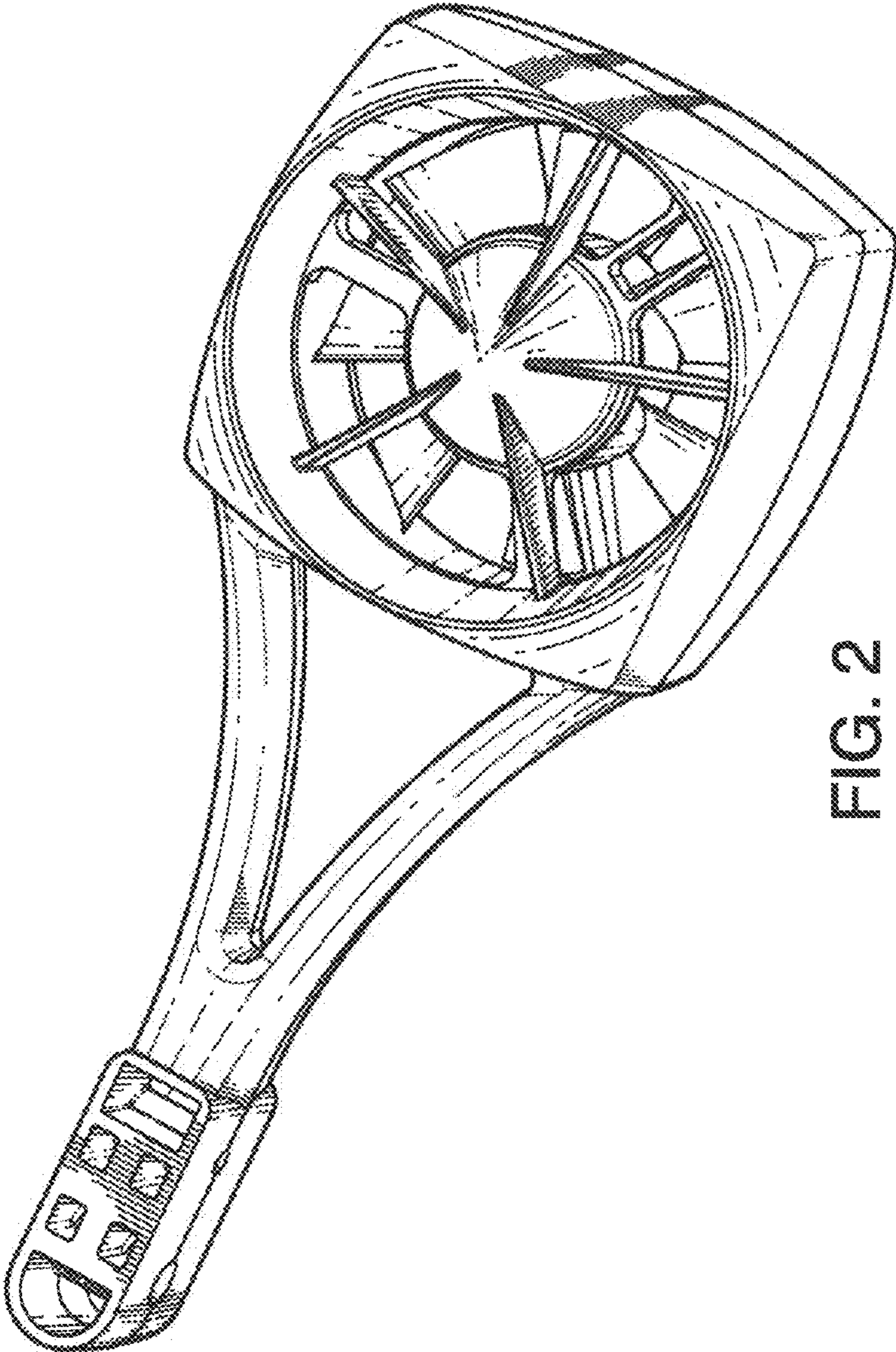


FIG. 2

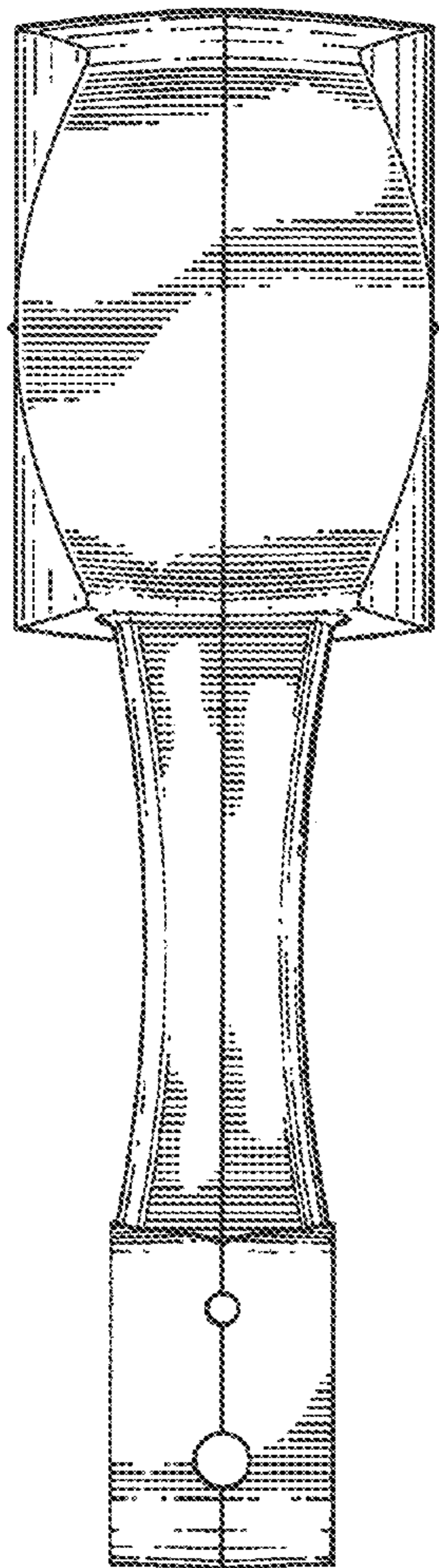


FIG. 3

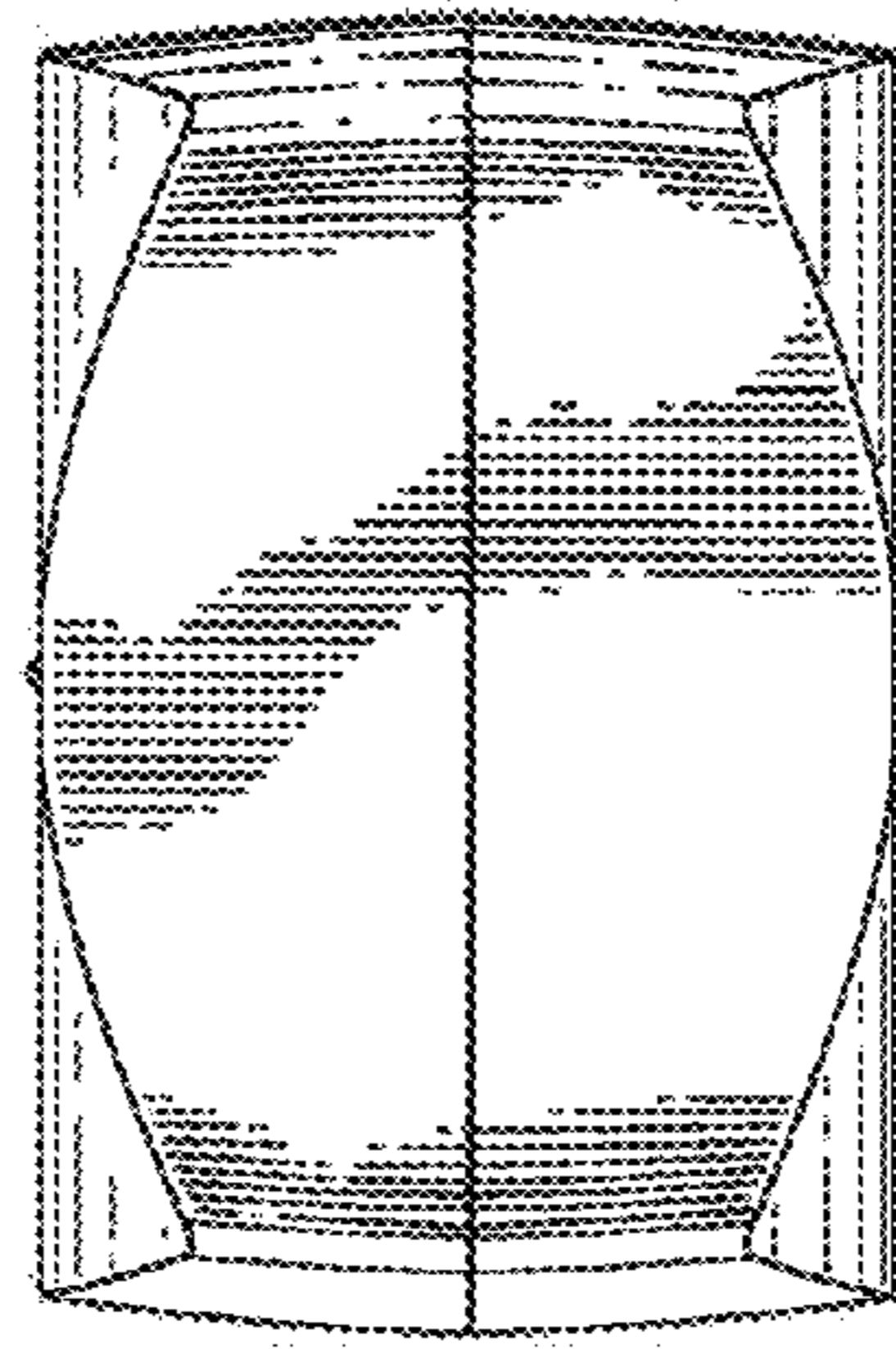


FIG. 4

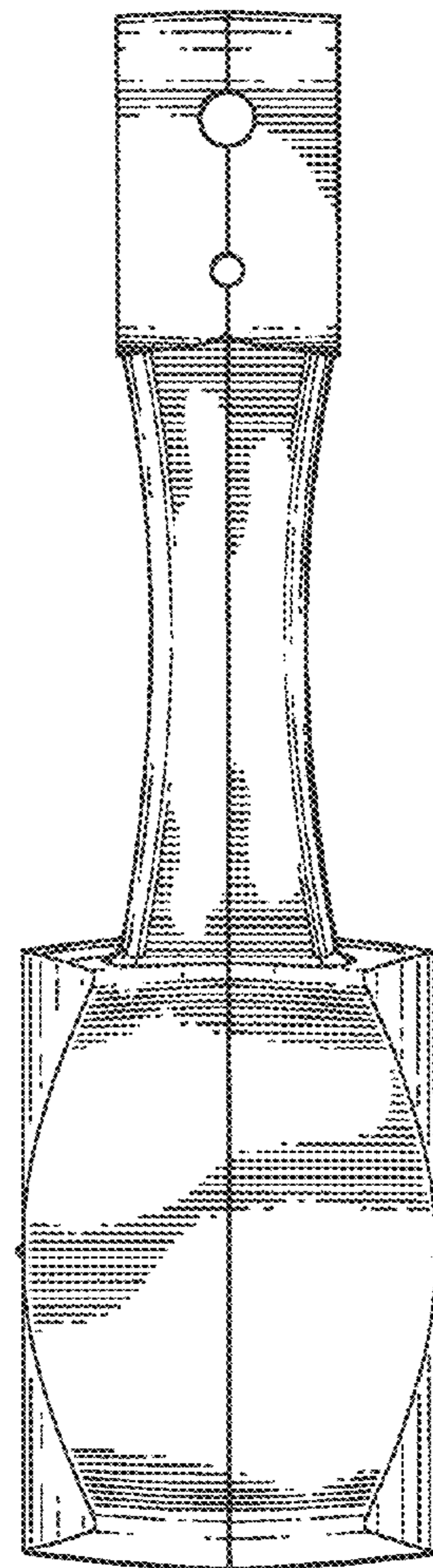


FIG. 5

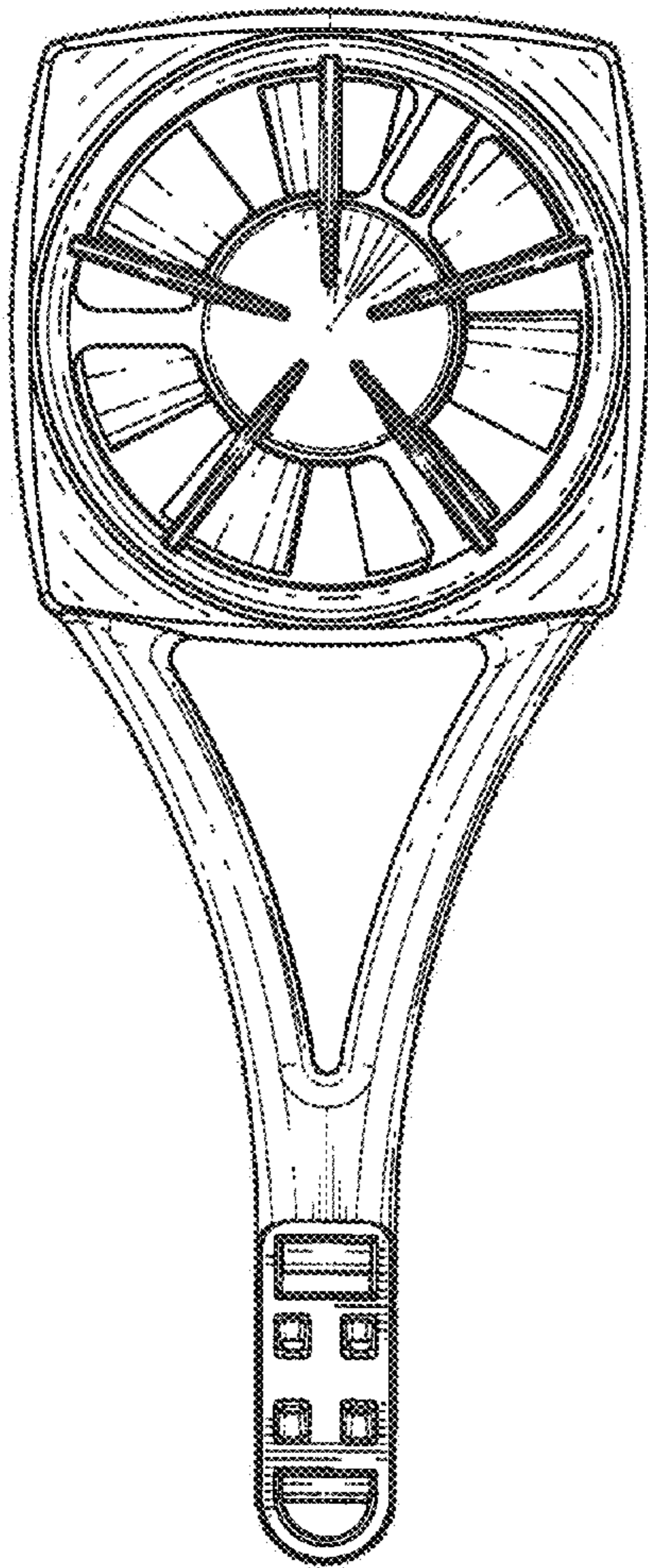


FIG. 6

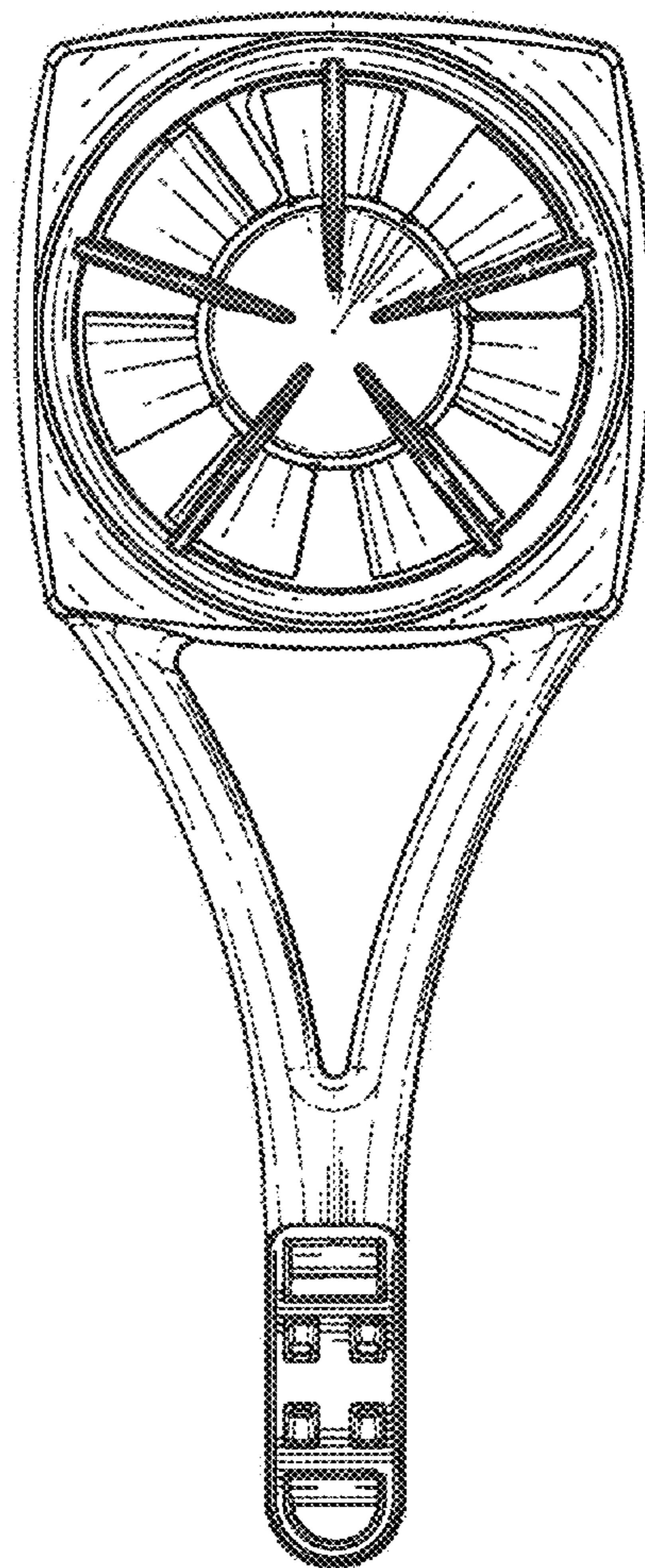


FIG. 8

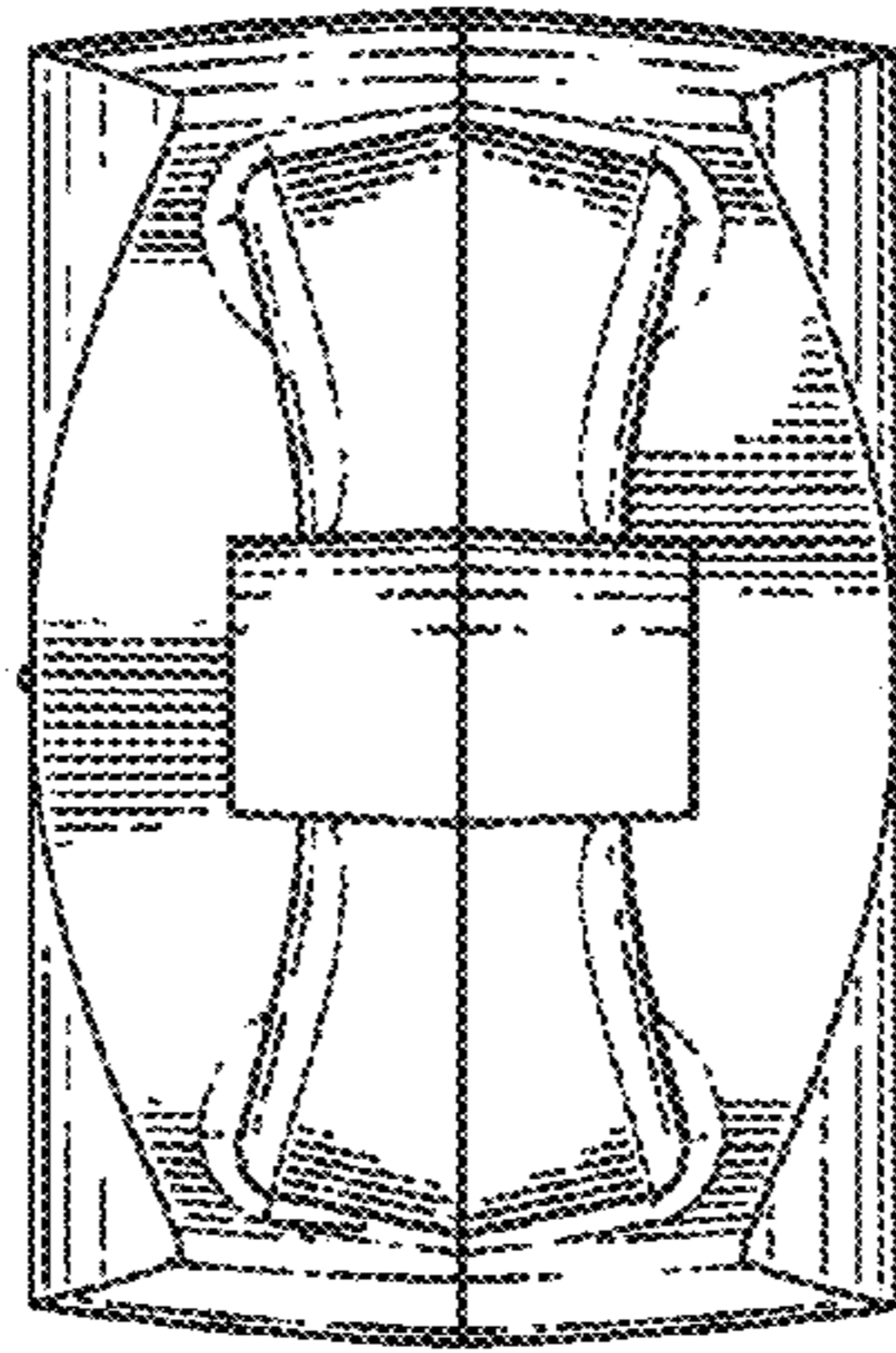


FIG. 7

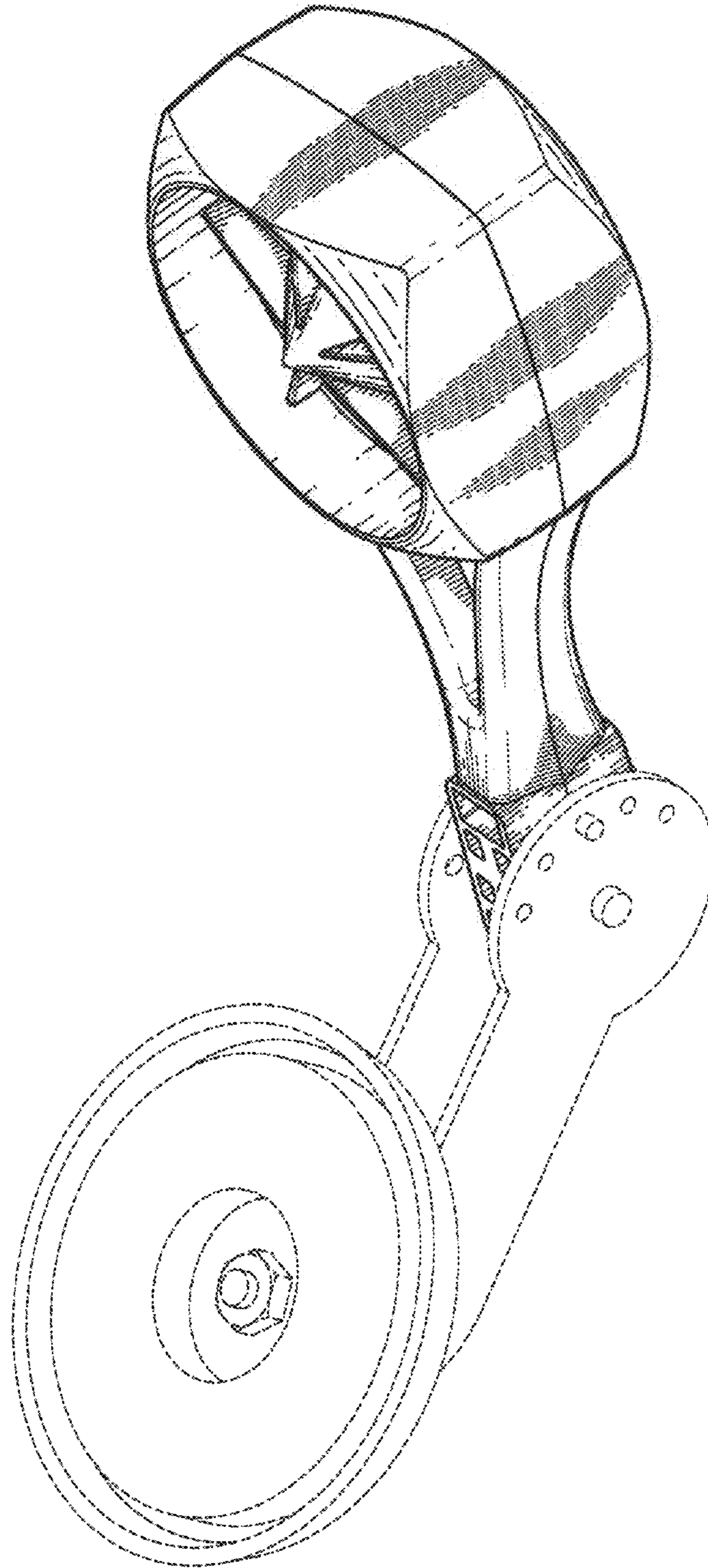


FIG. 9

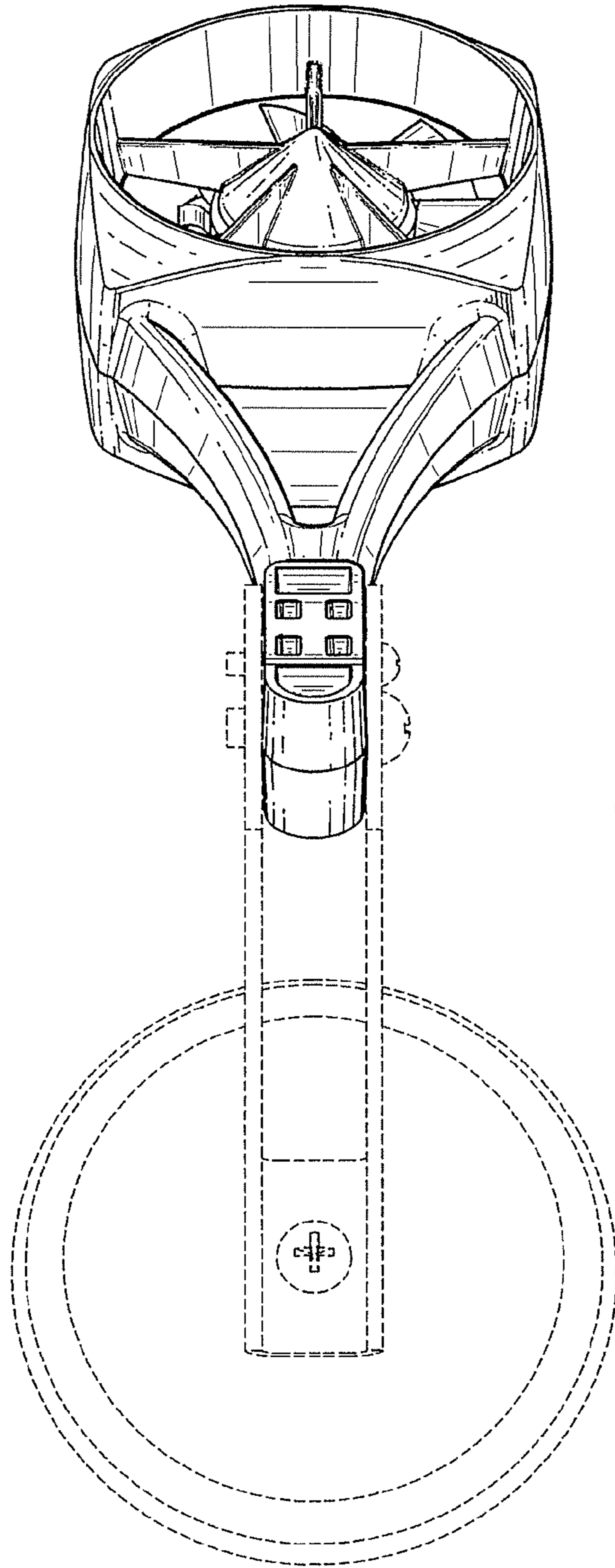


FIG. 10

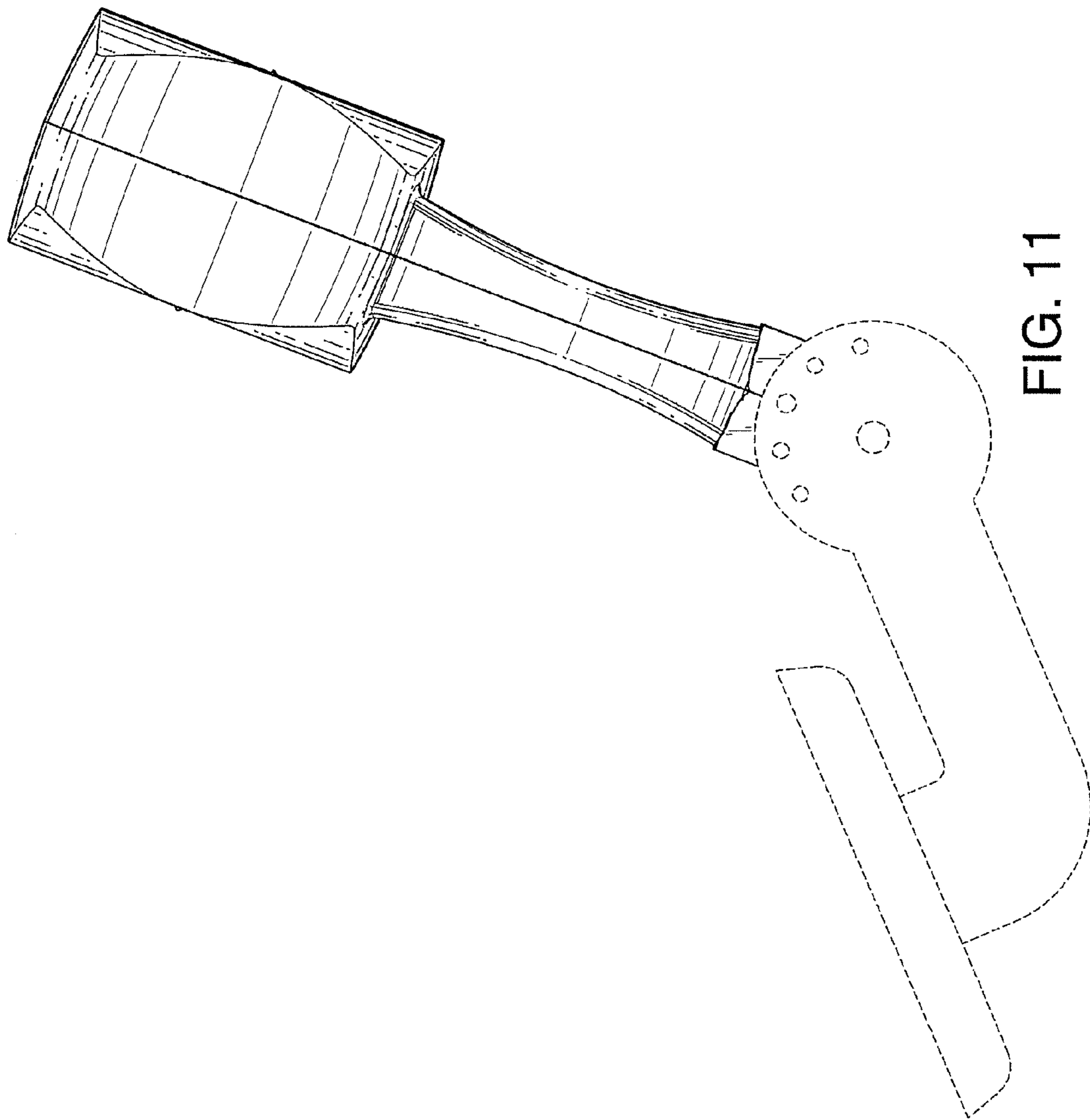


FIG. 11



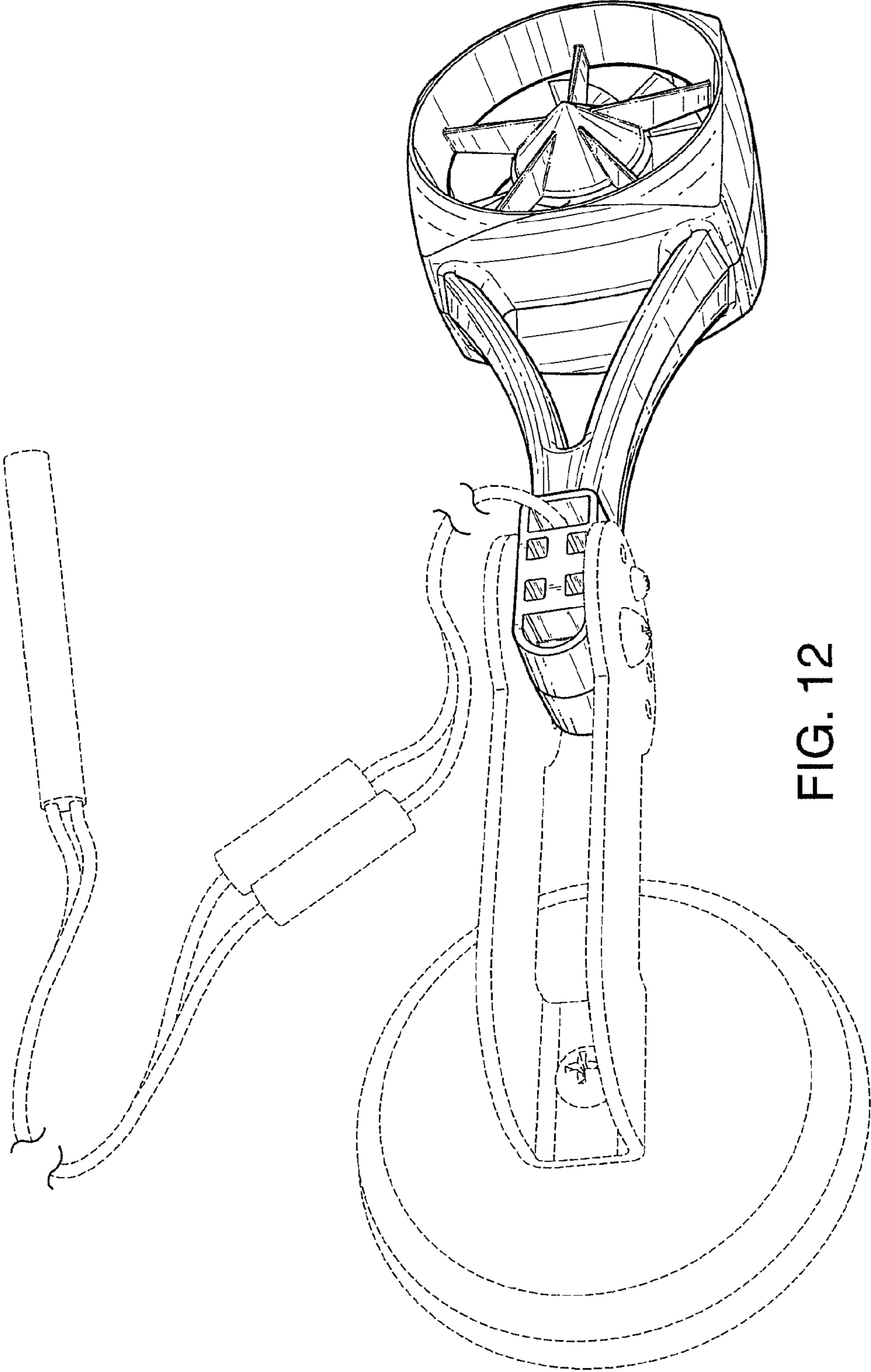


FIG. 12