

United States Patent [19]
Yuen

[11] **Patent Number: Des. 316,316**
[45] **Date of Patent: ** Apr. 16, 1991**

[54] **BATTERY OPERATED VACUUM CLEANER**

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[73] **Assignee: John Manufacturing Limited,
Kowloon, Hong Kong**

[**] **Term: 14 Years**

[21] **Appl. No.: 514,567**

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[30] **Foreign Application Priority Data**

Oct. 27, 1989 [GB] United Kingdom 2001992

[52] **U.S. Cl. D32/18; D4/102**

[58] **Field of Search D32/17, 18; 15/344,
15/329; D4/100, 101, 102**

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 238,651 2/1976 Fortune D32/18

D. 280,142 8/1985 Pudwill D32/18
D. 287,657 1/1987 Yuen D32/18
D. 303,025 8/1989 Yamamoto et al. D32/18

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Minnich & McKee

[57] **CLAIM**

The ornamental design for a battery operated vacuum cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of a battery operated vacuum cleaner showing my new design;

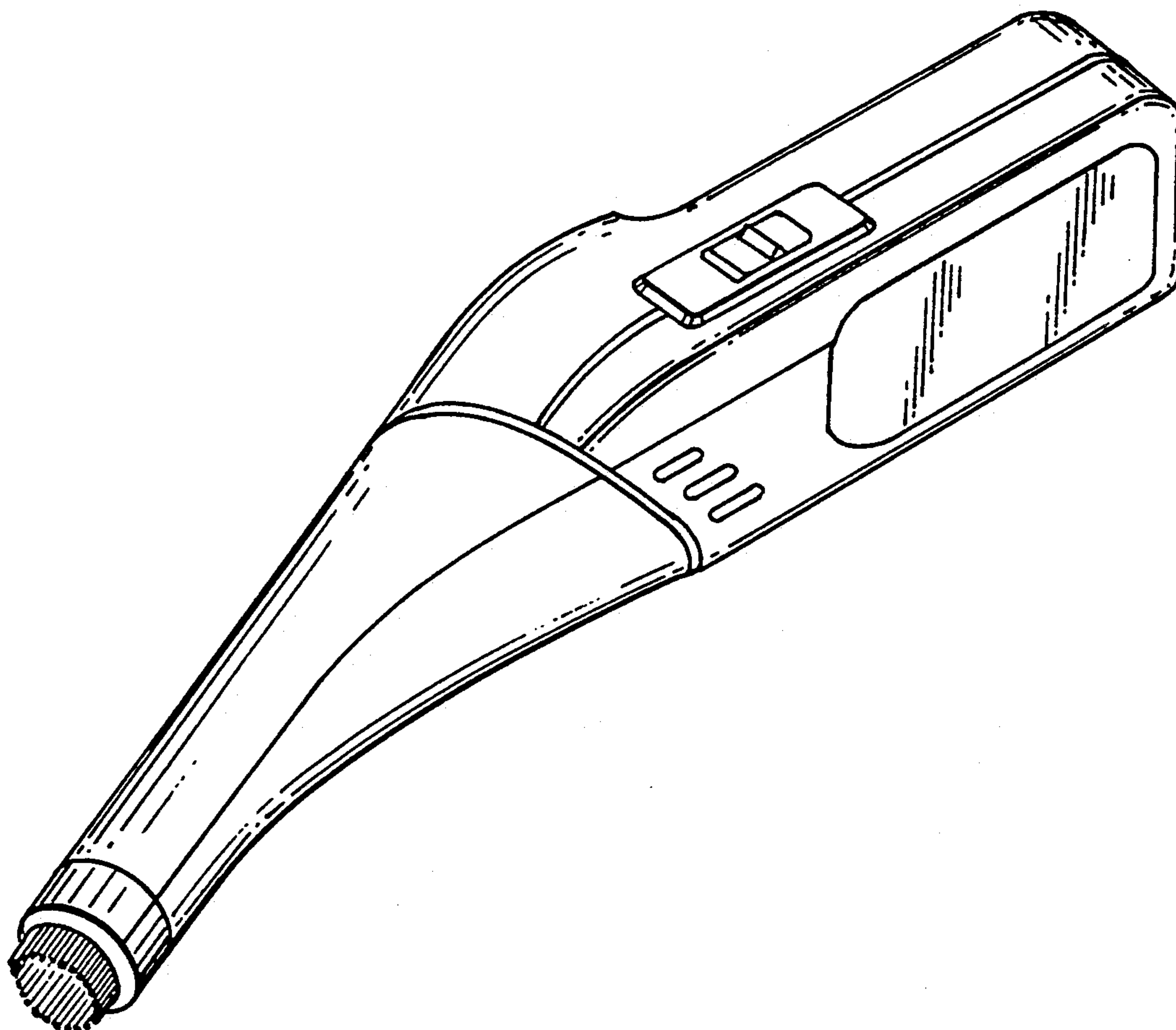
FIG. 2 is a right side elevational view thereof, the left side being a mirror image;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a front elevational view thereof;

FIG. 5 is a rear elevational view thereof;

FIG. 6 is a perspective view thereof.



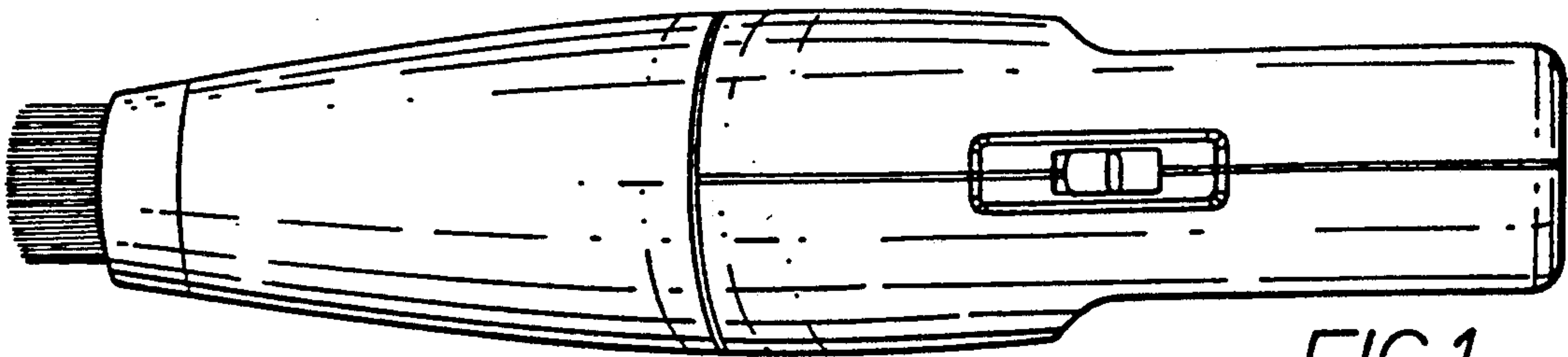


FIG. 1.

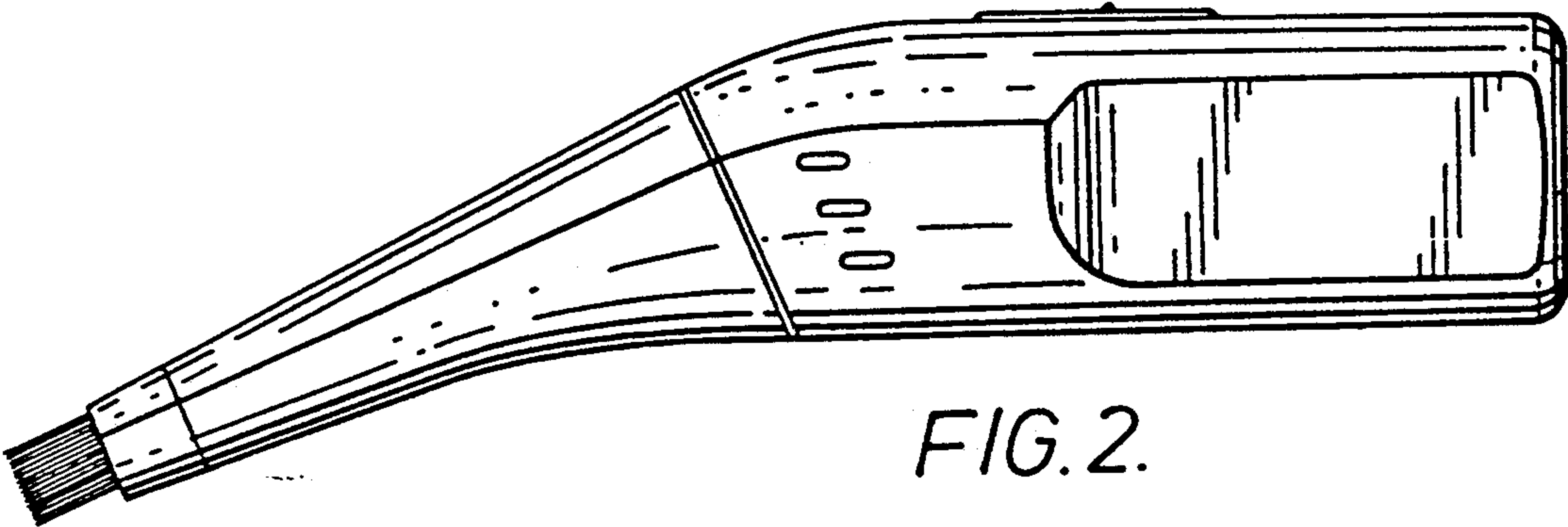


FIG. 2.

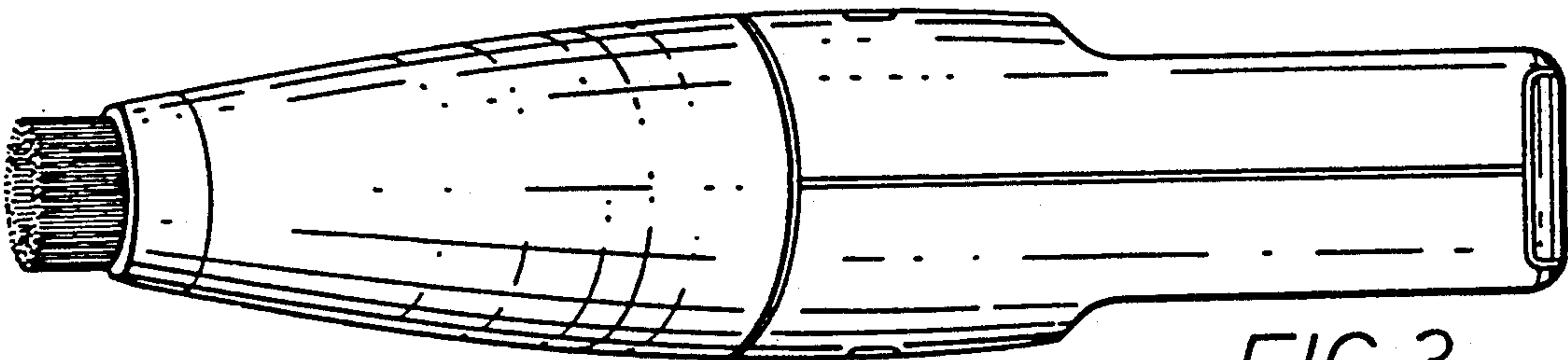


FIG. 3.

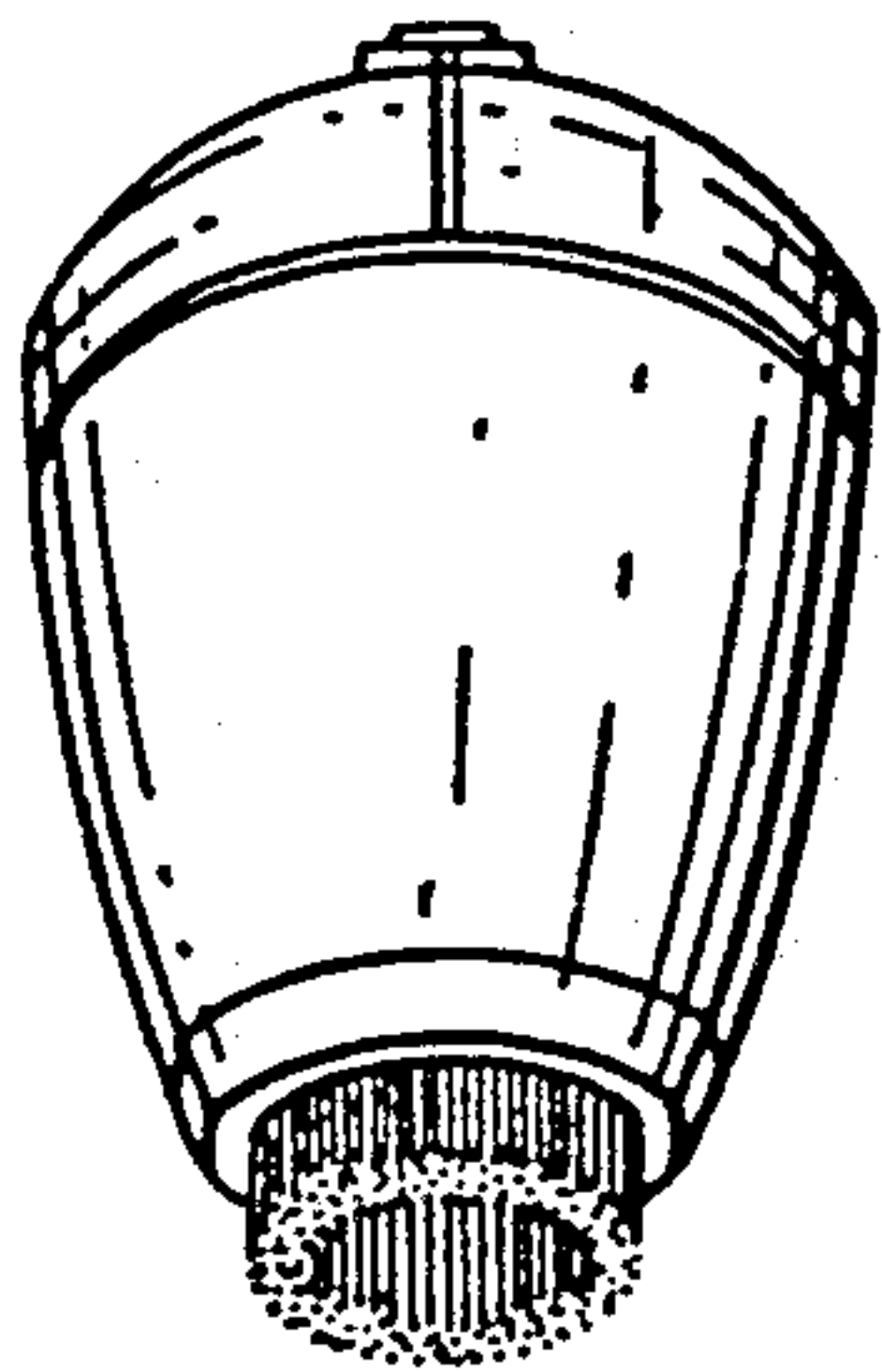


FIG. 4.

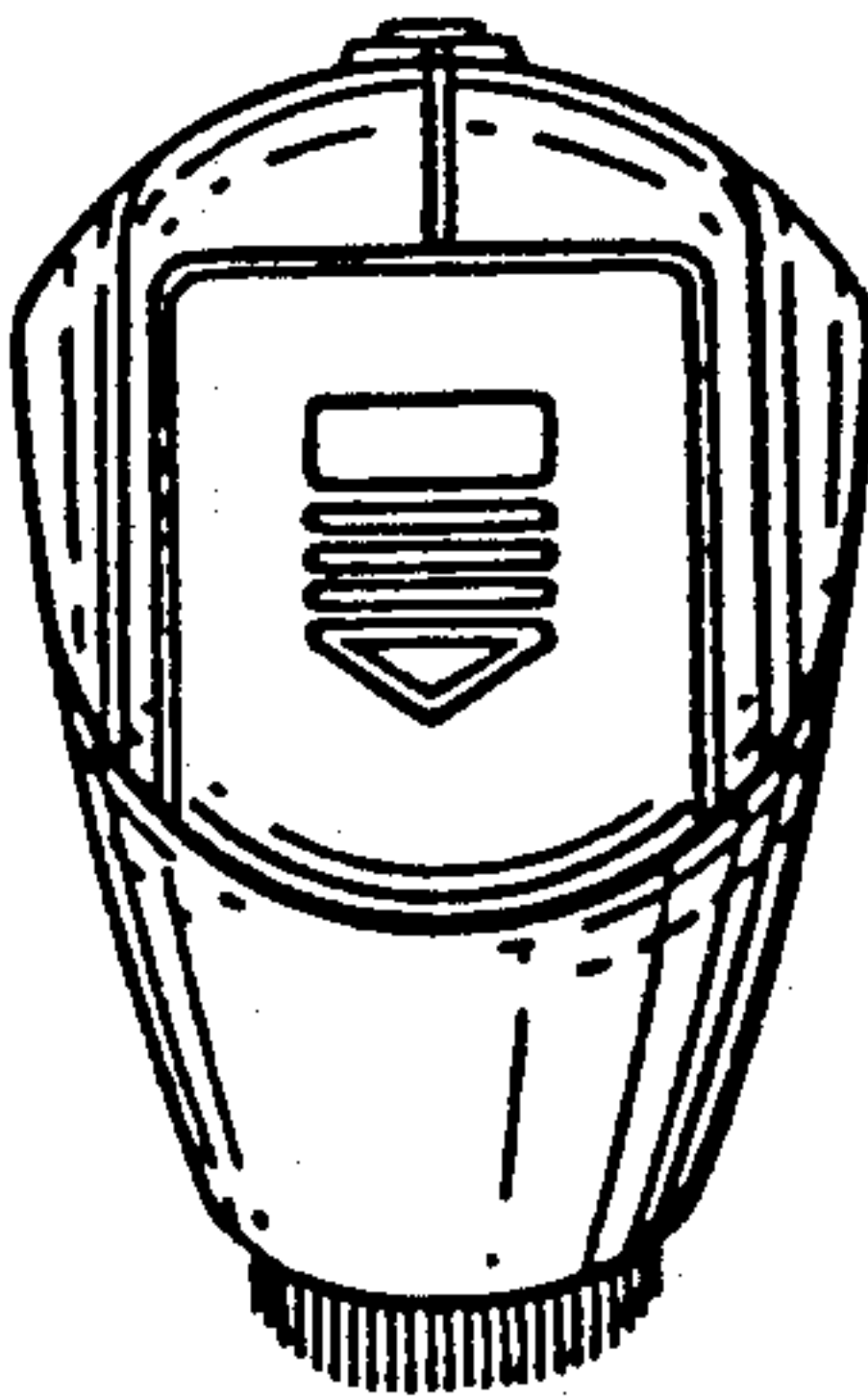


FIG. 5.

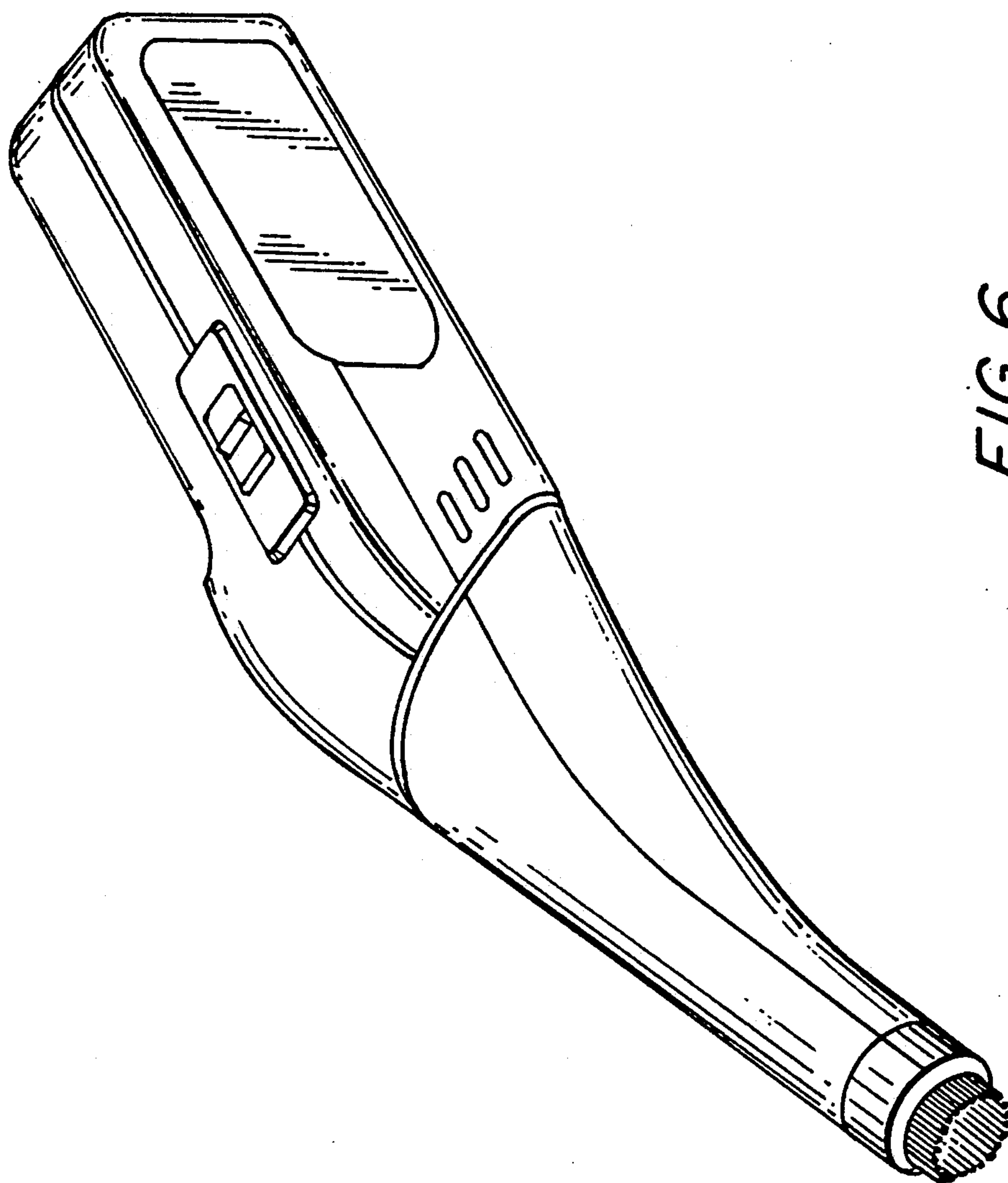


FIG. 6