



US00D412273S

# United States Patent [19] Chung

[11] **Patent Number: Des. 412,273**  
[45] **Date of Patent: \*\* Jul. 27, 1999**

[54] **GRINDING AND GRAVING MACHINE**

5,564,969 10/1996 Tsang ..... 451/344  
5,588,903 12/1996 Pennison ..... 451/344

[76] Inventor: **Lee Hsin-Chih Chung**, No. 21-8,  
Shang San Cho Woo, WuChang Li,  
ChungLi City, TaoYuan Hsien, Taiwan

*Primary Examiner*—Antoine Duval Davis

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

[57] **CLAIM**

The ornamental design for a grinding and graving machine,  
as shown and described.

[21] Appl. No.: **29/092,182**

**DESCRIPTION**

[22] Filed: **Aug. 13, 1998**

[51] **LOC (6) Cl.** ..... **08-02**

FIG. 1 is a perspective view of grinding and graving machine showing my new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a rear elevation view thereof;  
FIG. 4 is a left side elevation view thereof;  
FIG. 5 is a right side elevation view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.

[52] **U.S. Cl.** ..... **D8/62; D8/61**

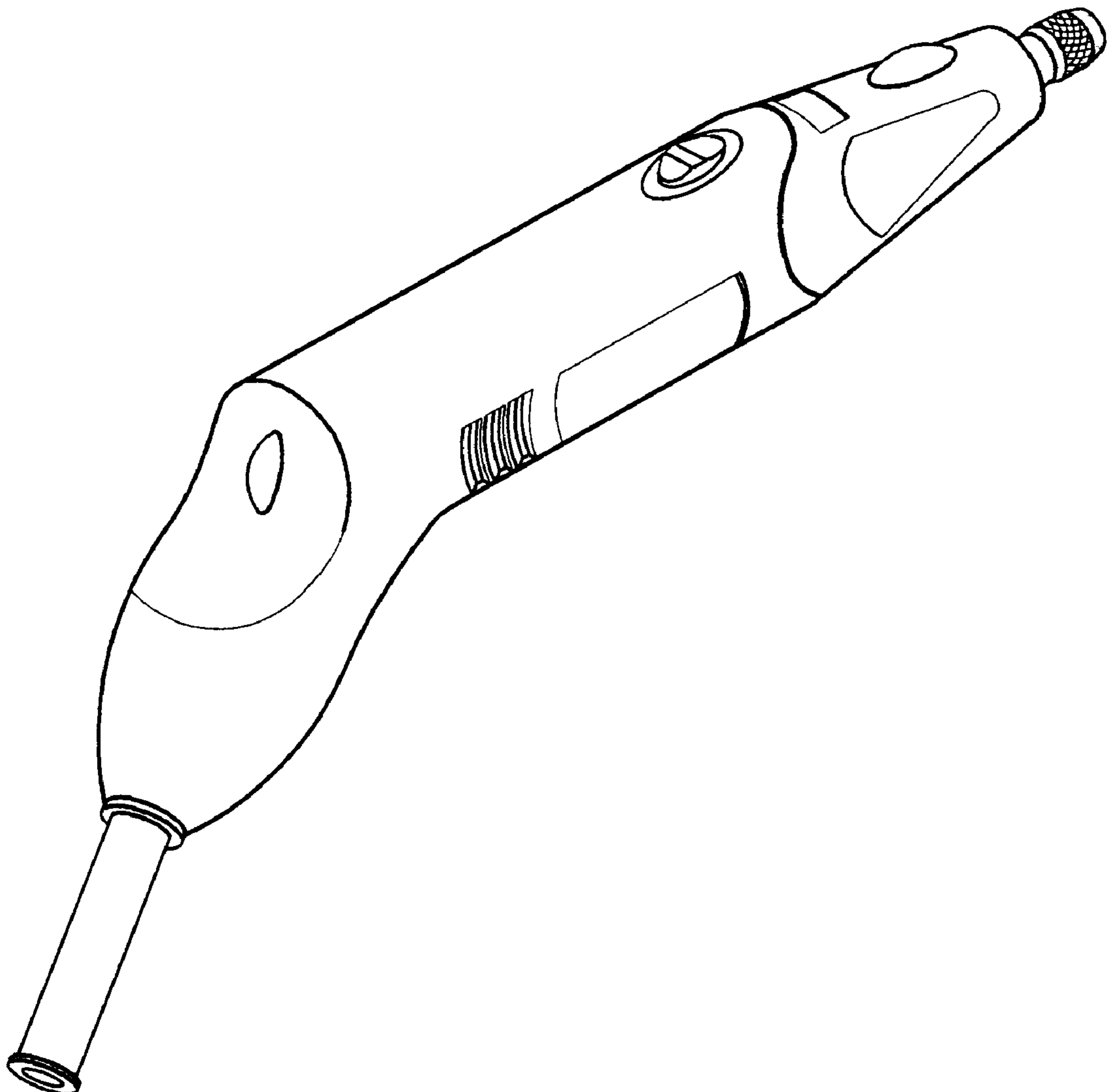
[58] **Field of Search** ..... D8/68, 61, 62;  
45/344, 356, 357, 359, 414, 456, 457, 162,  
163; 173/169, 170

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 310,470 9/1990 Tohdoh ..... D8/62

**1 Claim, 7 Drawing Sheets**



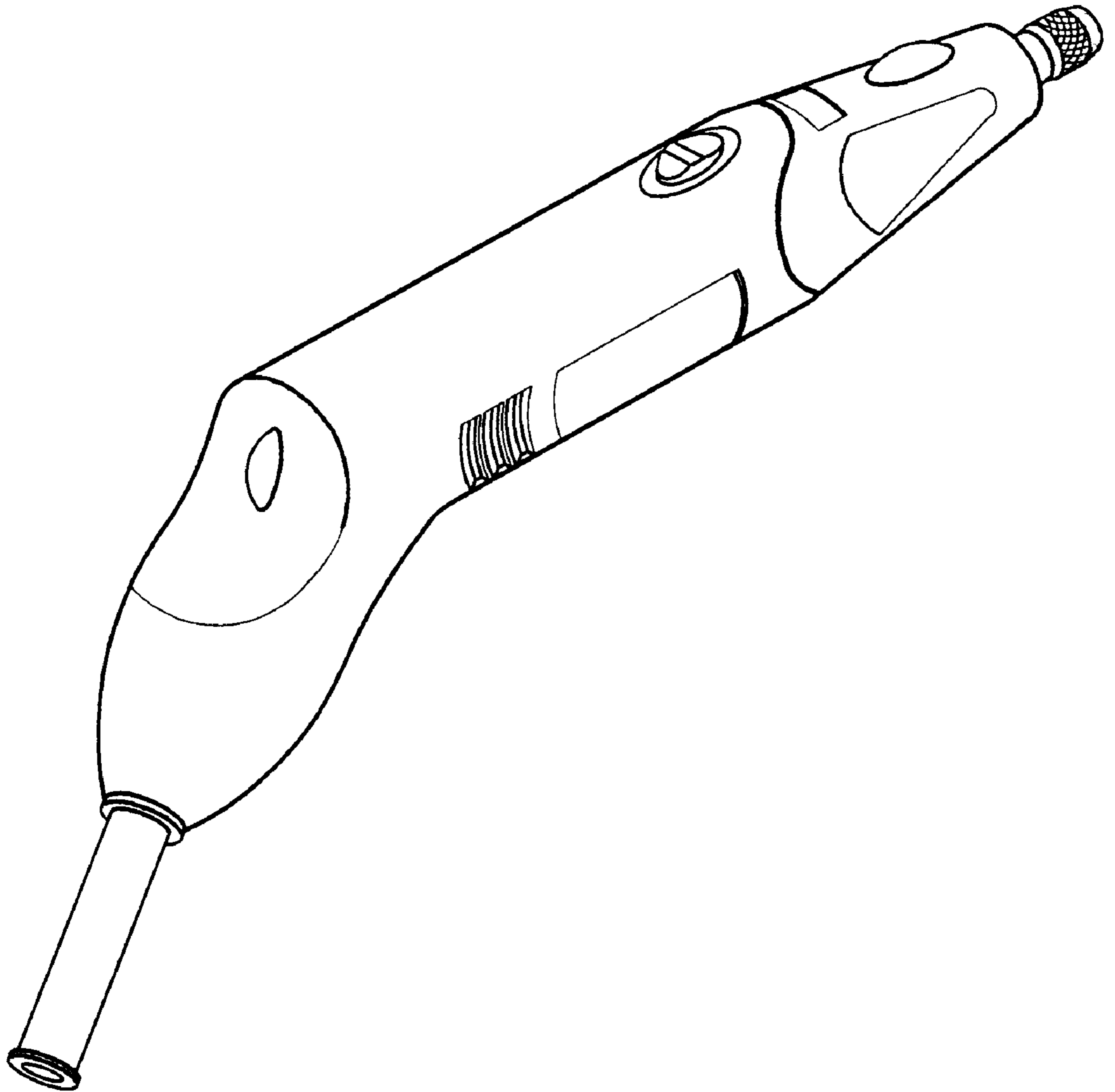


FIG. 1

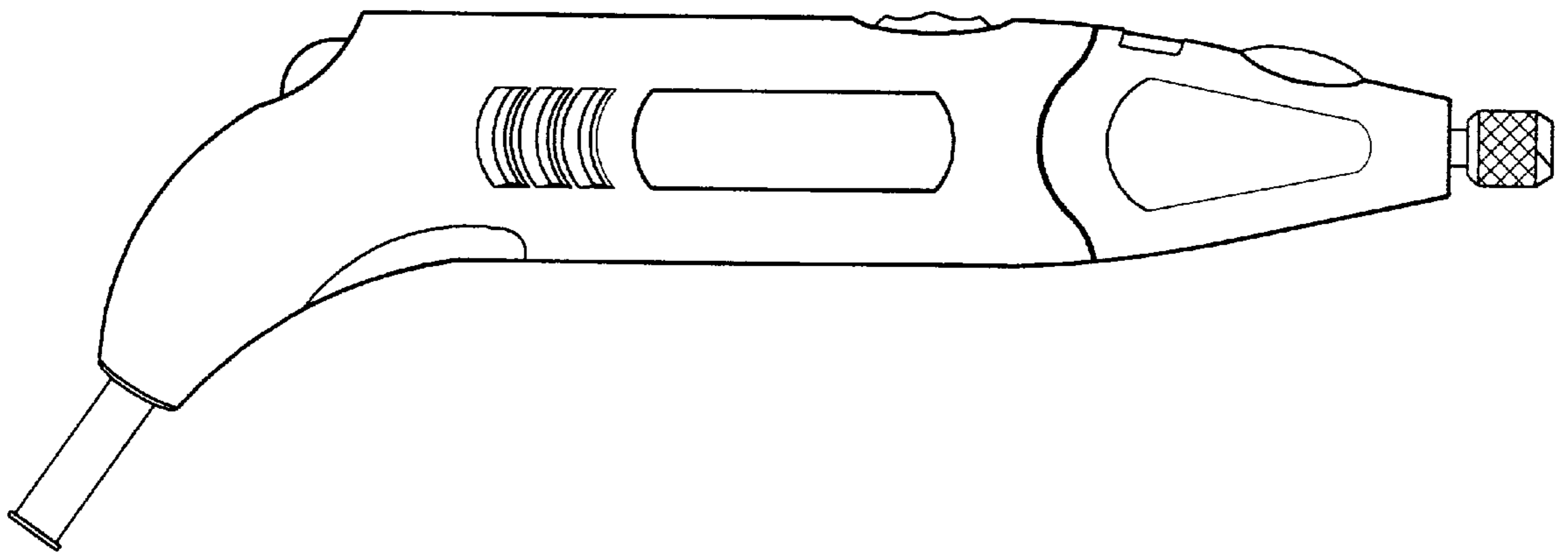


FIG. 2

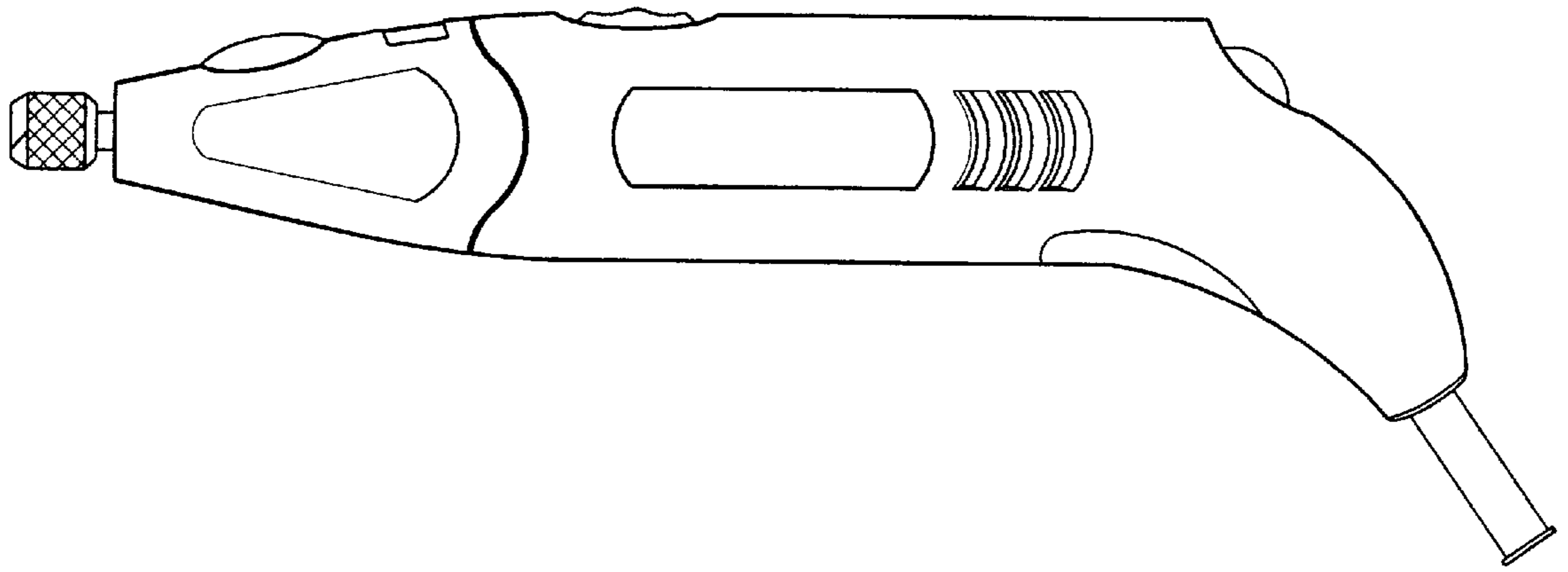


FIG.3

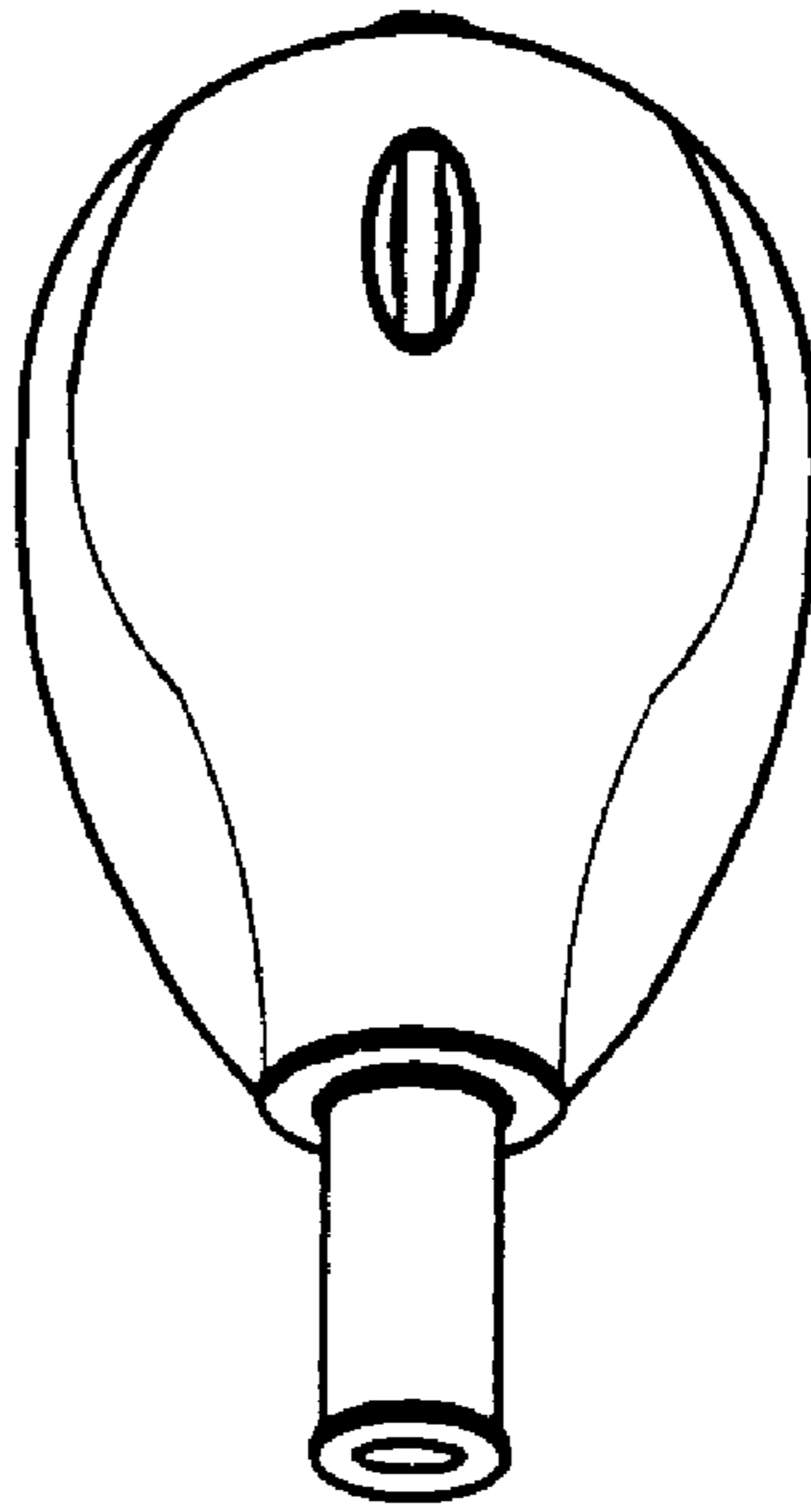


FIG. 4

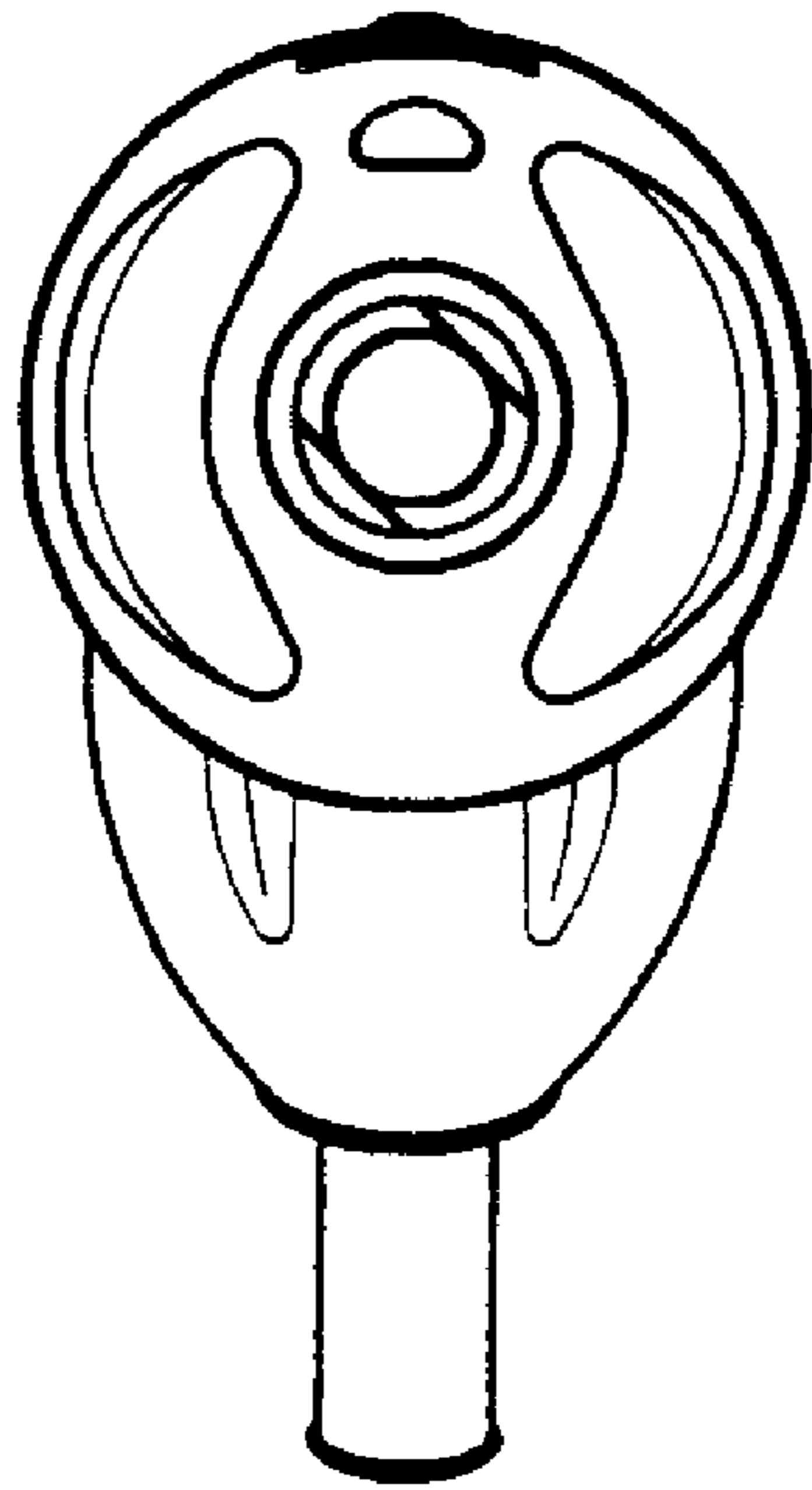


FIG. 5

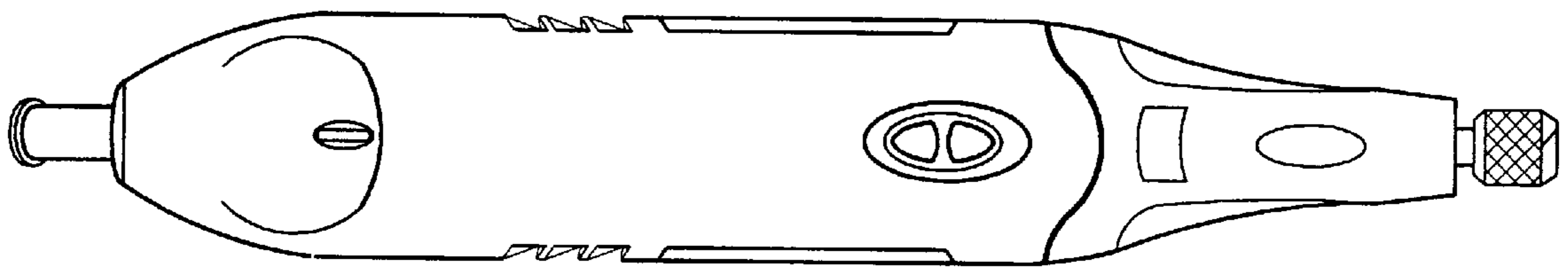


FIG.6

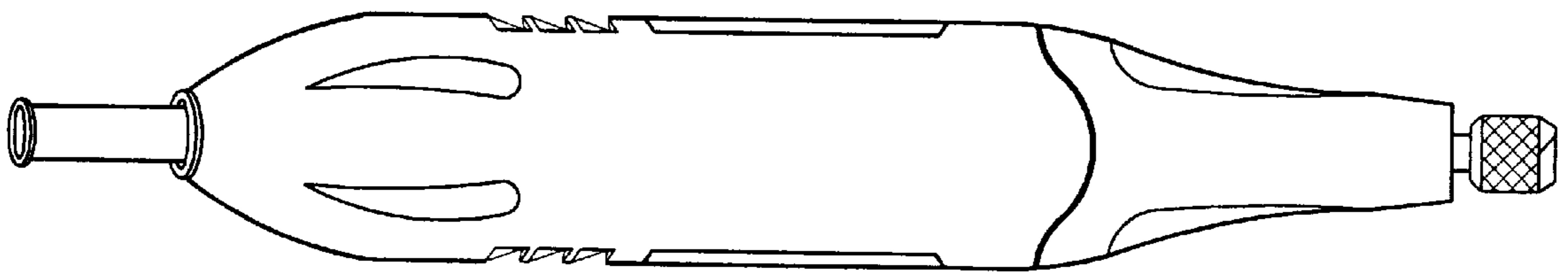


FIG. 7