United States Patent [19]

Barnes

Patent Number: Des. 281,623 [11]

Date of Patent: ** Dec. 3, 1985 [45]

[54]		OR PATIENT MONITORING USE			
[75]	Inventor:	Stephen R. Barnes, Seattle, Wash.			

Assignee: Lawrence Medical Systems, Inc.,

Redmond, Wash.

Term: 14 Years

Appl. No.: 430,117 Filed:

Sep. 30, 1982 U.S. Cl. D24/17

[58] 179/110 R, 110 A, 179, 181; D10/21; D14/99; 310/322, 324; 128/660, 663; D24/17; 73/624,

[56]

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Primary Examiner—Susan J. Lucas Attorney, Agent, or Firm-Hughes, Barnard & Cassidy

[57] **CLAIM**

The ornamental design for hand held ultrasonic transducer for patient monitoring use, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of hand held ultrasonic transducer for patient monitoring use showing my new design, this first embodiment being a continuous wave ultrasonic transducer;

FIG. 2 is a top plan view thereof;

FIG. 3 is a side elevational view thereof;

FIG. 4 is a bottom plan view thereof, the spaced ceramic transmitter and receiver piezoelectric elements being shown on the circular end;

FIG. 5 is a left end elevational view thereof;

FIG. 6 is a right end elevational view thereof;

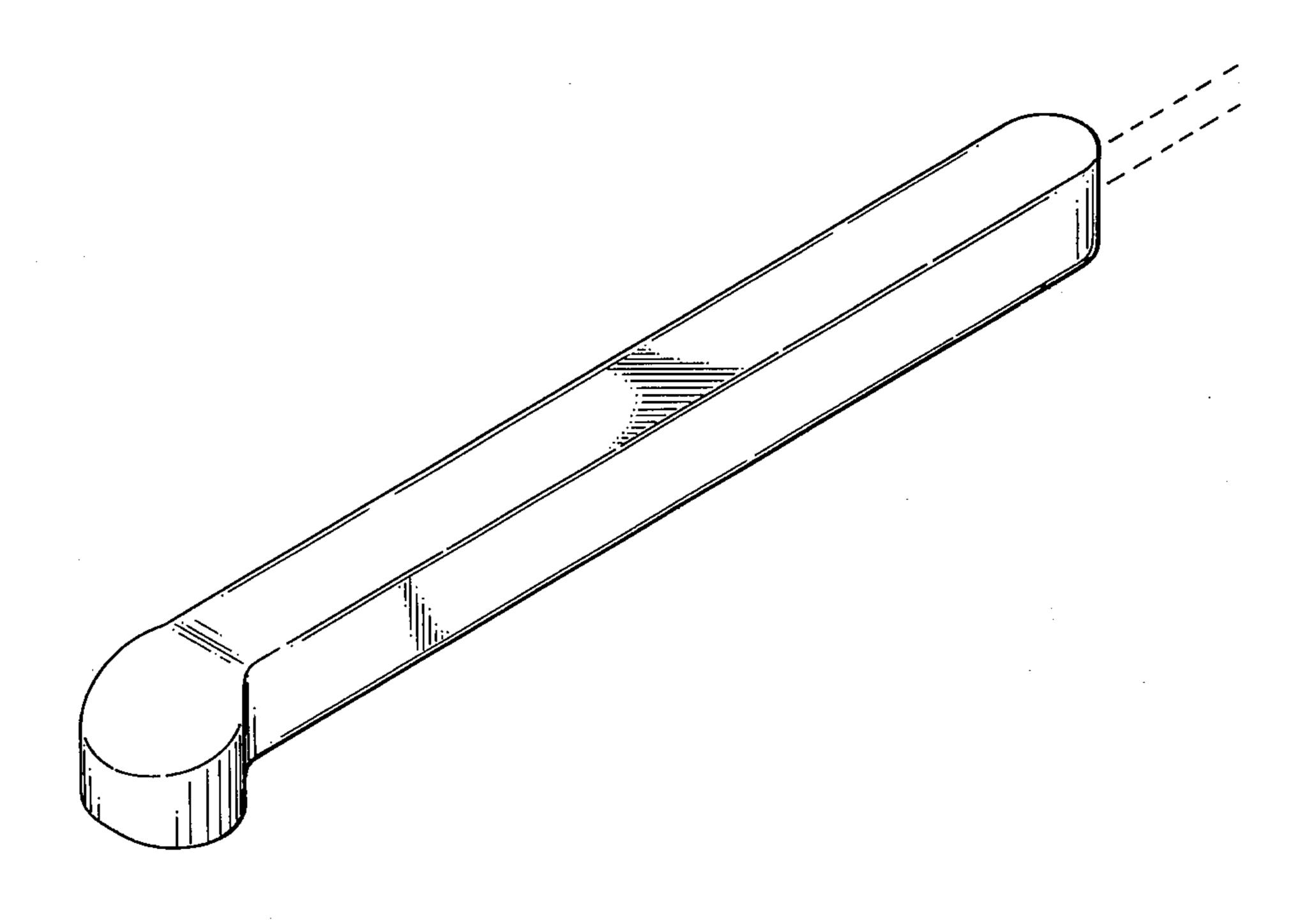
FIG. 7 is a top plan view of an ultrasonic transducer showing my new design, this second embodiment being a pulse type transducer;

FIG. 8 is a side elevational view thereof;

FIG. 9 is a bottom plan view thereof, the single piezoelectric element being shown in the circular end;

FIG. 10 is a left end elevational view thereof;

FIG. 11 is a right end elevational view thereof.



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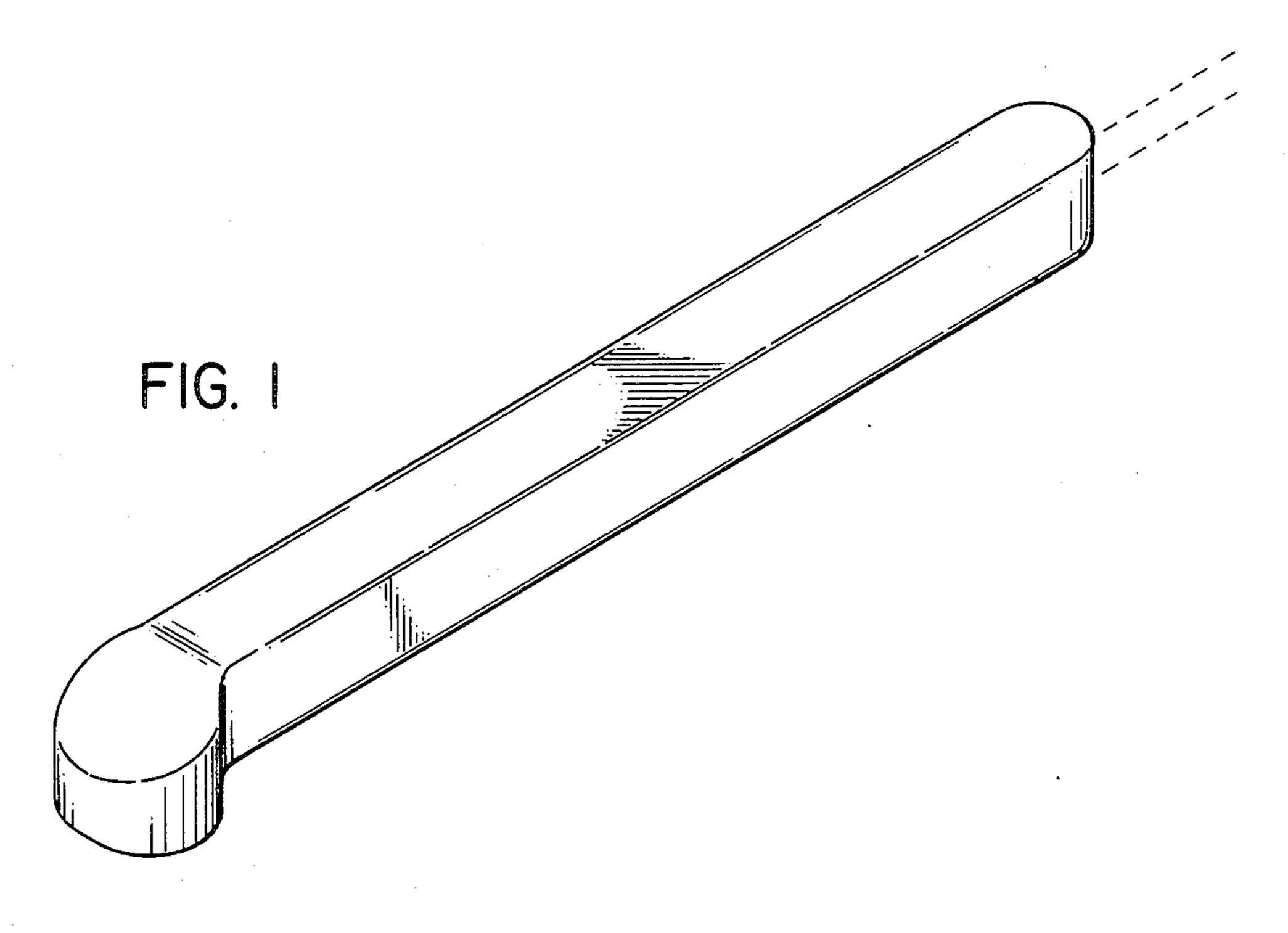


FIG. 2

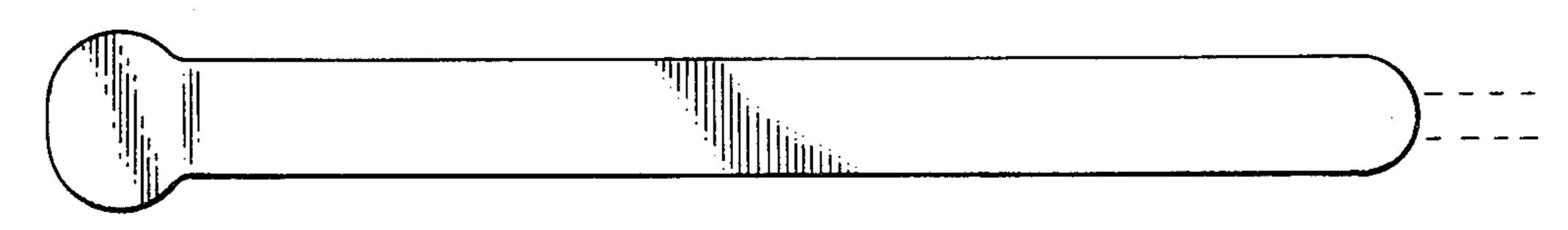


FIG. 3

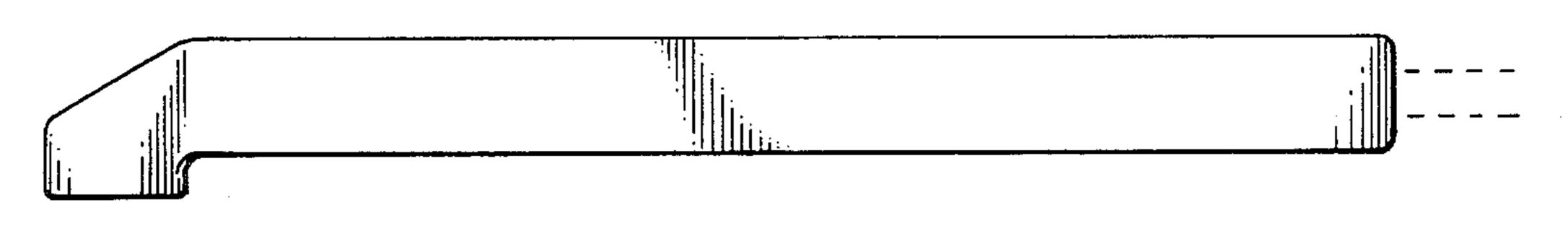


FIG. 4

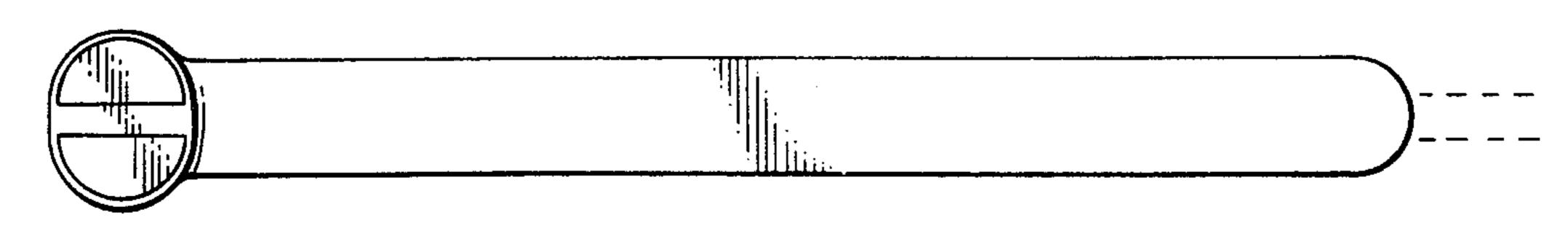


FIG. 5



FIG. 6

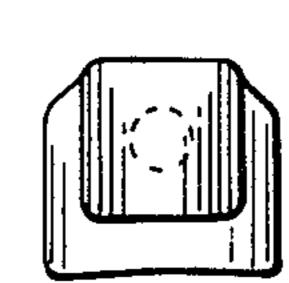






FIG. 8

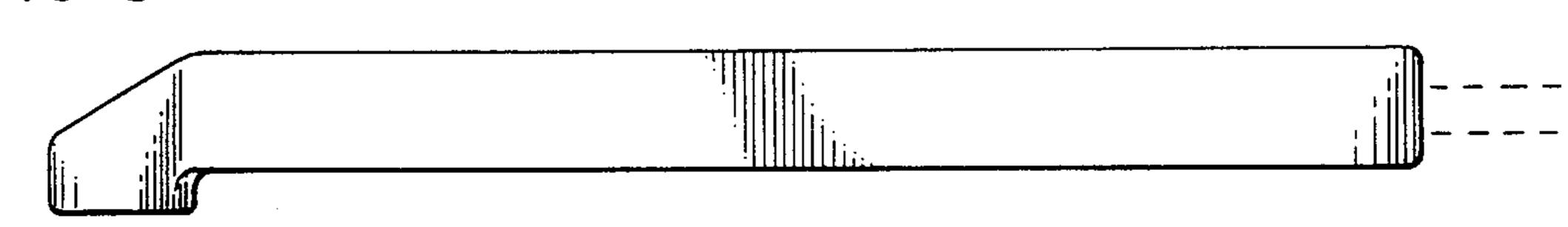


FIG. 9

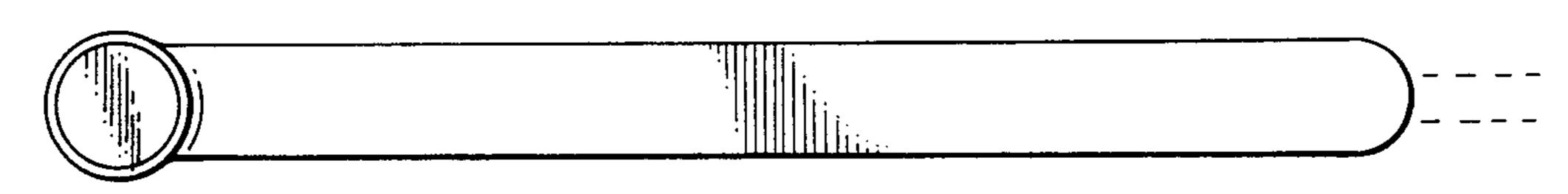


FIG. 10

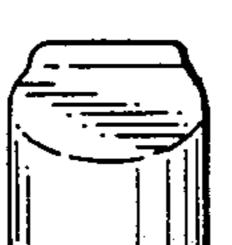


FIG. 11

