



US00D419677S

# United States Patent [19] McKimm

[11] **Patent Number: Des. 419,677**  
[45] **Date of Patent: \*\* Jan. 25, 2000**

[54] **SPEECH PROCESSOR FOR USE WITH A COCHLEAR IMPLANT**

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[73] Assignee: **MED-EL Elektromedizinische Gerate Ges.m.b.H.**, Innsbruck, Austria

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

[21] Appl. No.: **29/078,989**

[22] Filed: **Nov. 4, 1997**

[51] **LOC (7) Cl.** ..... **24-04**

[52] **U.S. Cl.** ..... **D24/175**

[58] **Field of Search** ..... D24/175; 607/57,  
607/136, 137

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

4,932,405	6/1990	Peeters et al.	607/57
5,095,904	3/1992	Seligman et al.	607/57
5,626,629	5/1997	Faltys et al.	607/57
5,824,022	10/1998	Zilberman et al.	607/57

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[57] **CLAIM**

The ornamental design for a speech processor for use with a cochlear implant, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a speech processor for use

with a cochlear implant with the transmitter removed, showing our new design;

FIG. 2 is a perspective view thereof with the transmitter attached, in use condition; the broken line showing of an ear being for illustrative purposes only and forming no part of the claimed design;

FIG. 3 is a side elevational view thereof;

FIG. 4 is a side elevational view thereof, opposite that shown in FIG. 3, with the transmitter removed;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is an end elevational view thereof;

FIG. 8 is an end elevational view thereof, opposite that shown in FIG. 7;

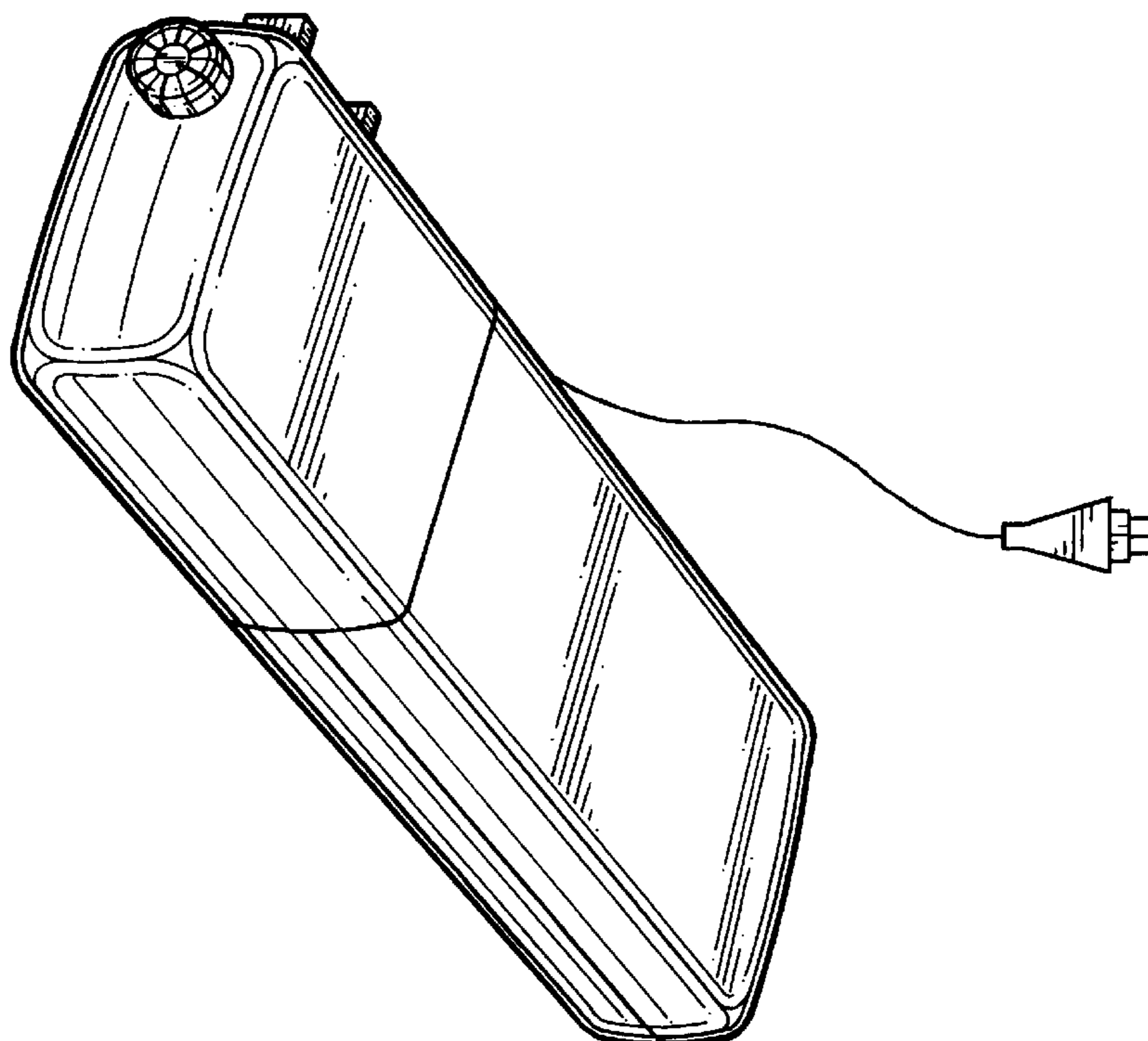
FIG. 9 is a top plan view thereof in disassembled condition with the battery compartment removed;

FIG. 10 is a side elevational view thereof, with the battery compartment removed;

FIG. 11 is a side elevational view thereof, with the battery compartment removed and a cable attaching the battery compartment to the speech processor; and,

FIG. 12 is a side elevational view thereof, with battery cover removed.

**1 Claim, 11 Drawing Sheets**



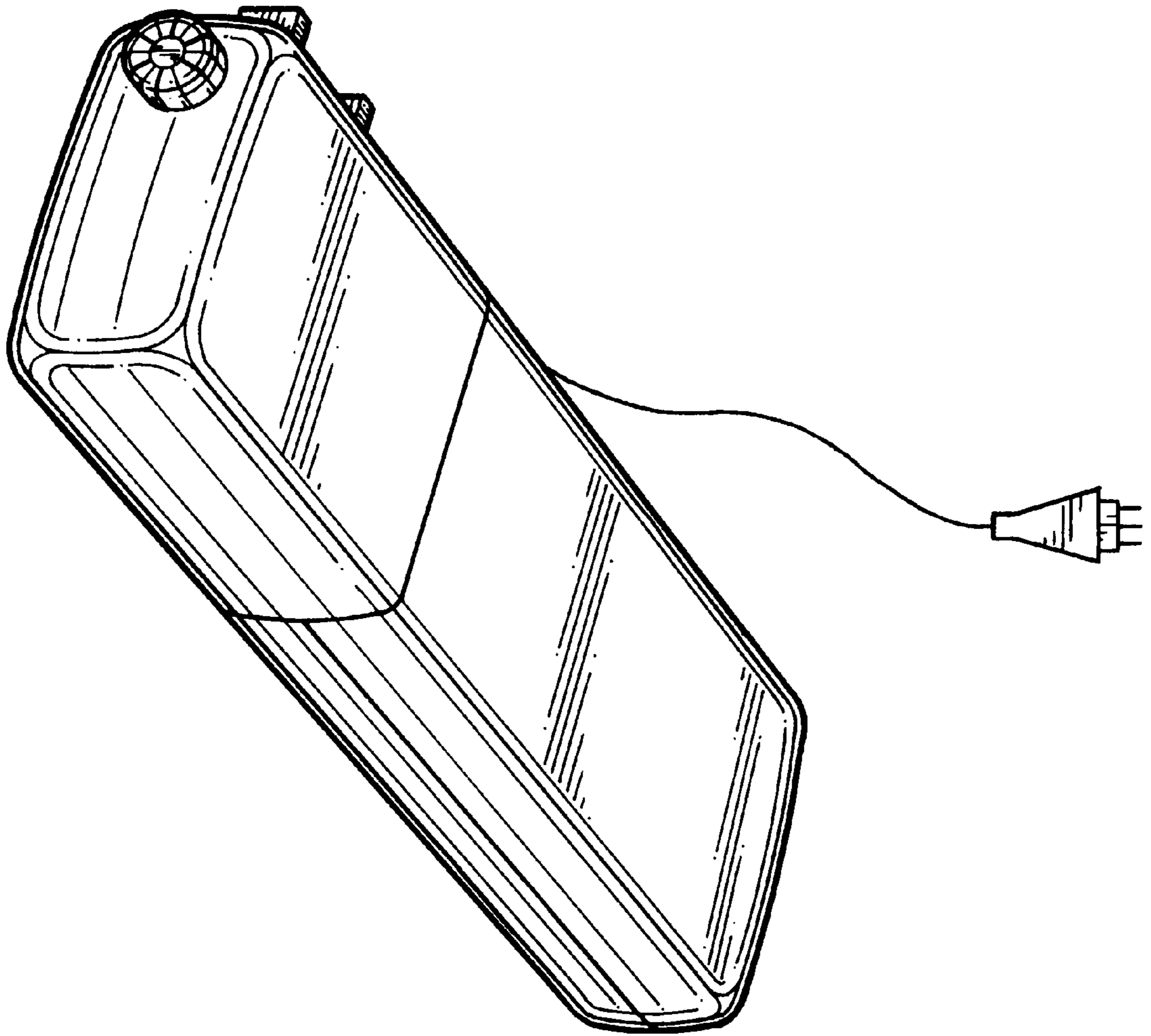


FIG. 1

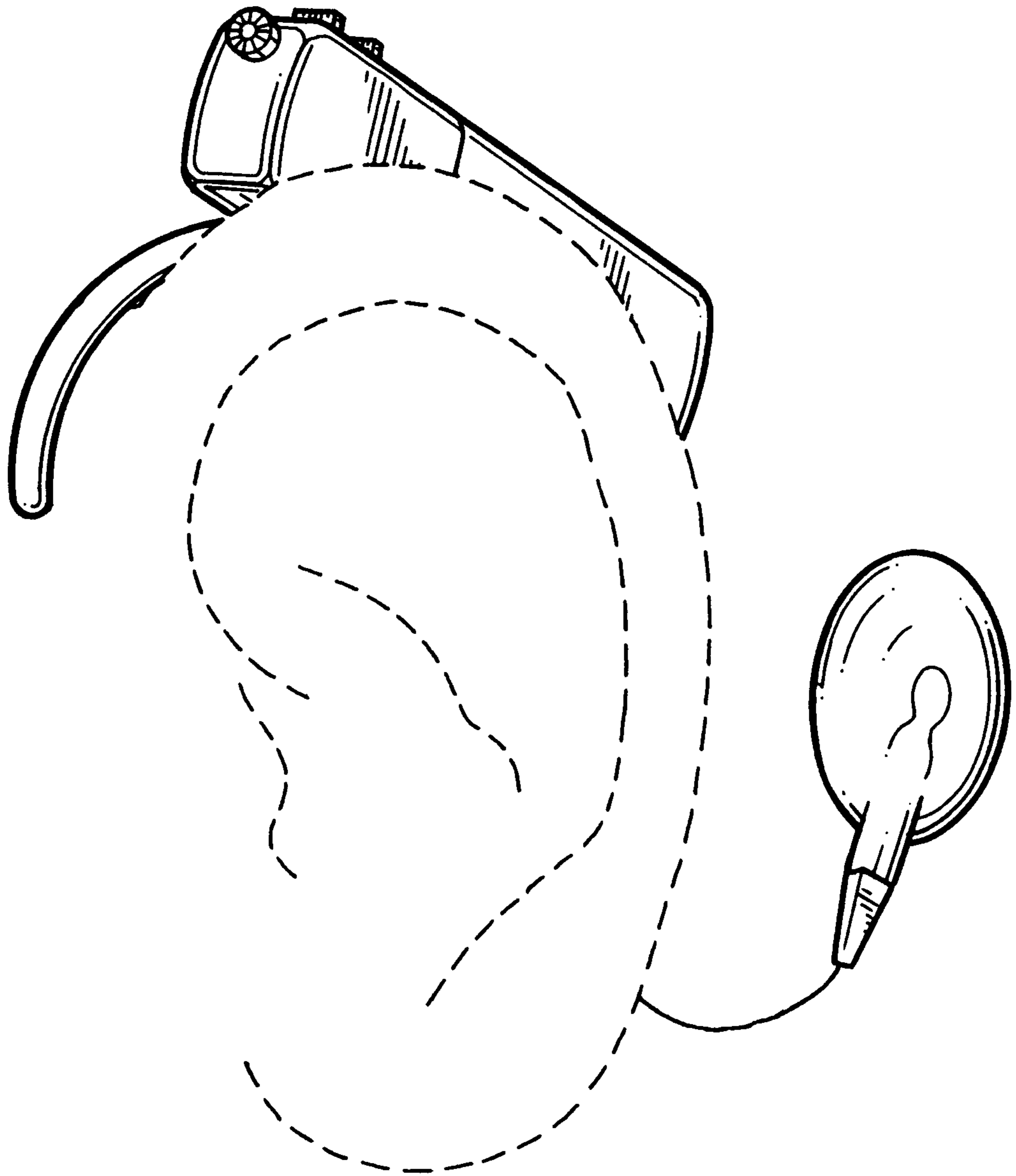


FIG. 2

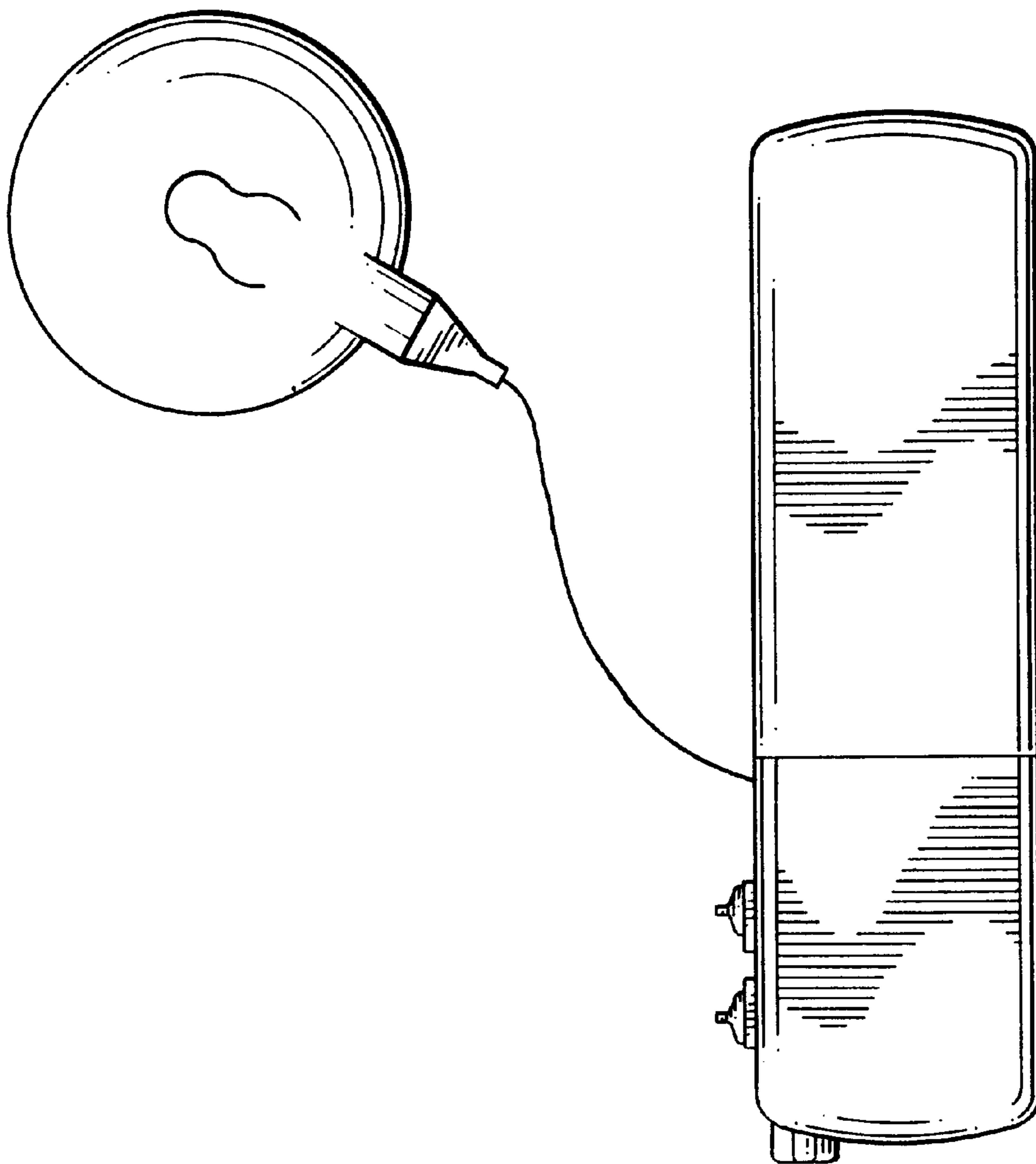


FIG. 3

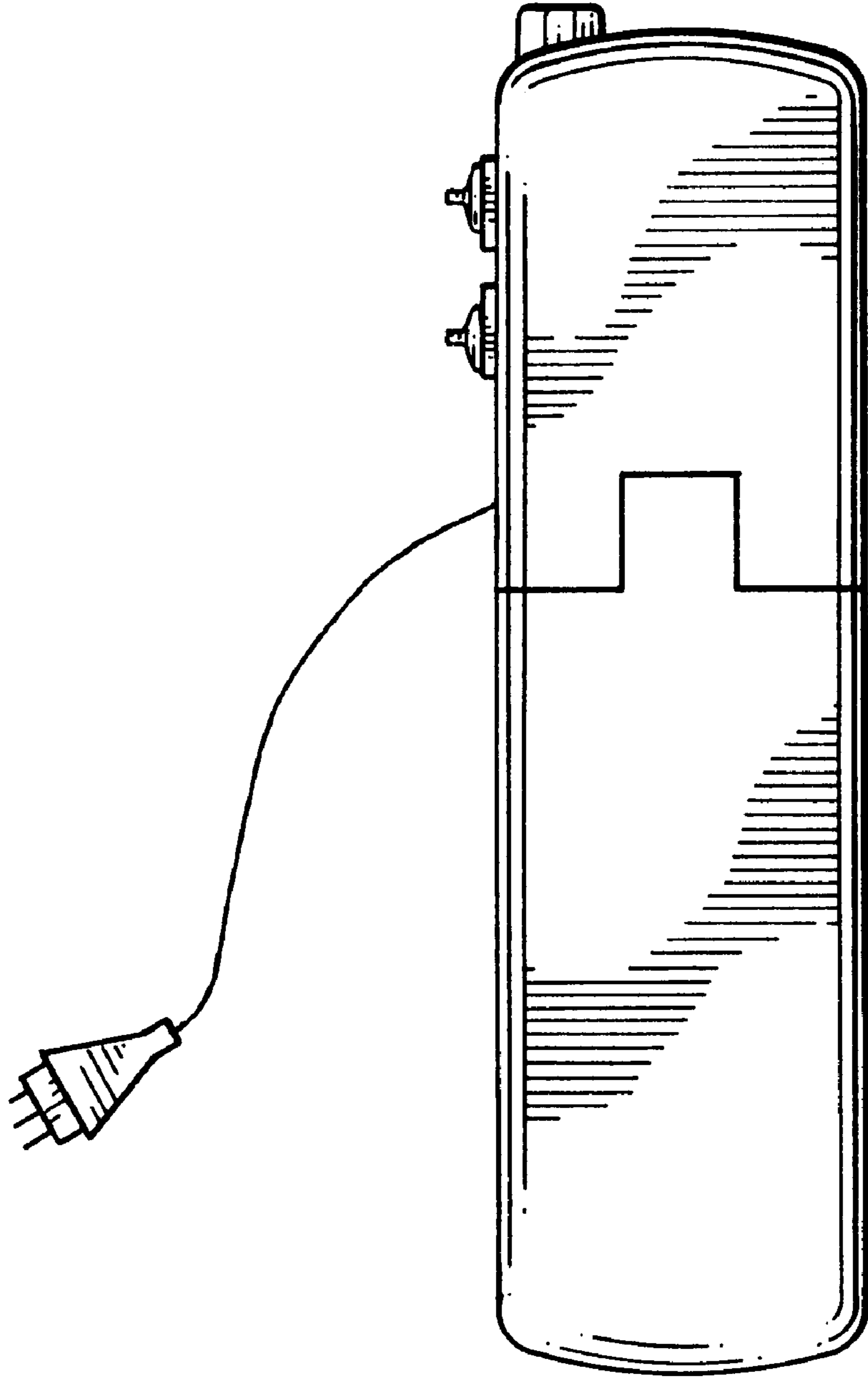


FIG. 4

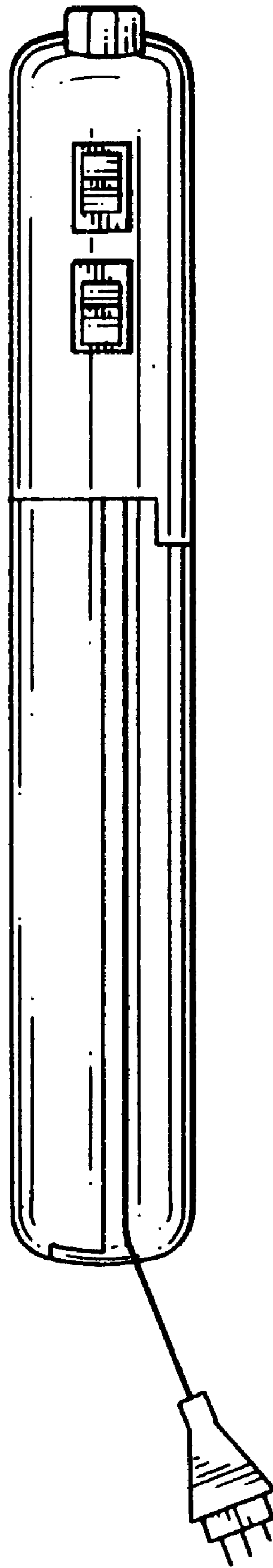


FIG. 5

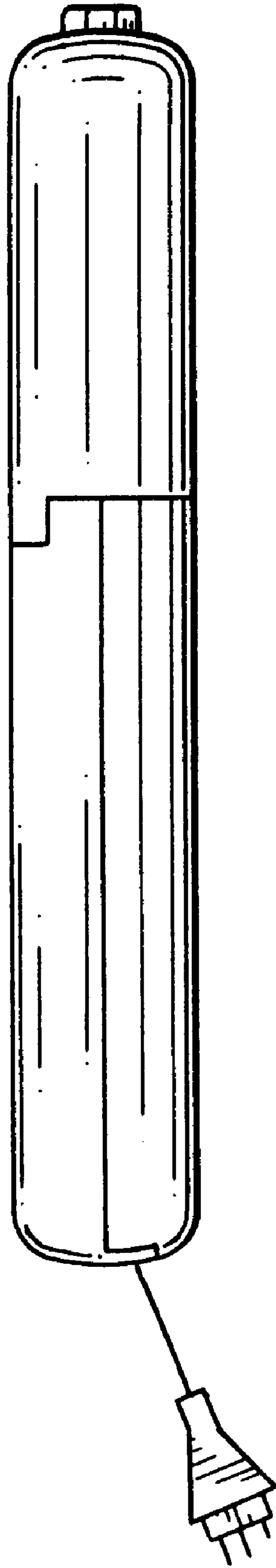


FIG. 6

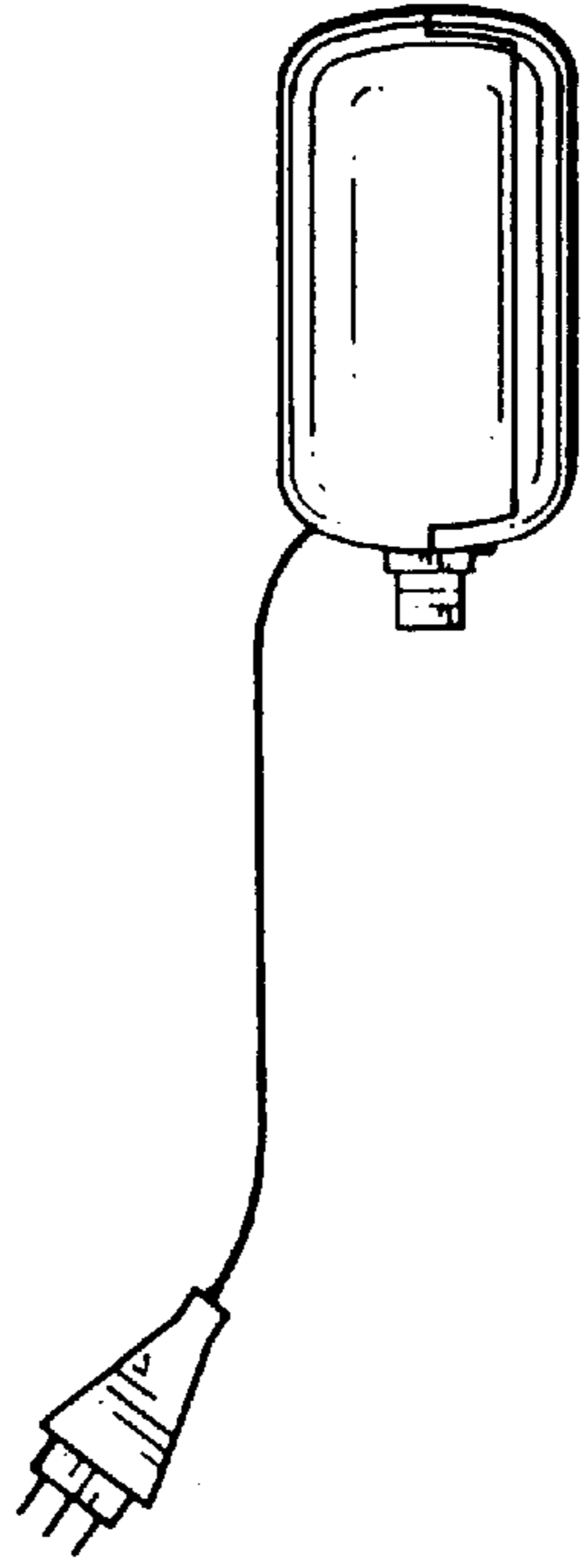


FIG. 8

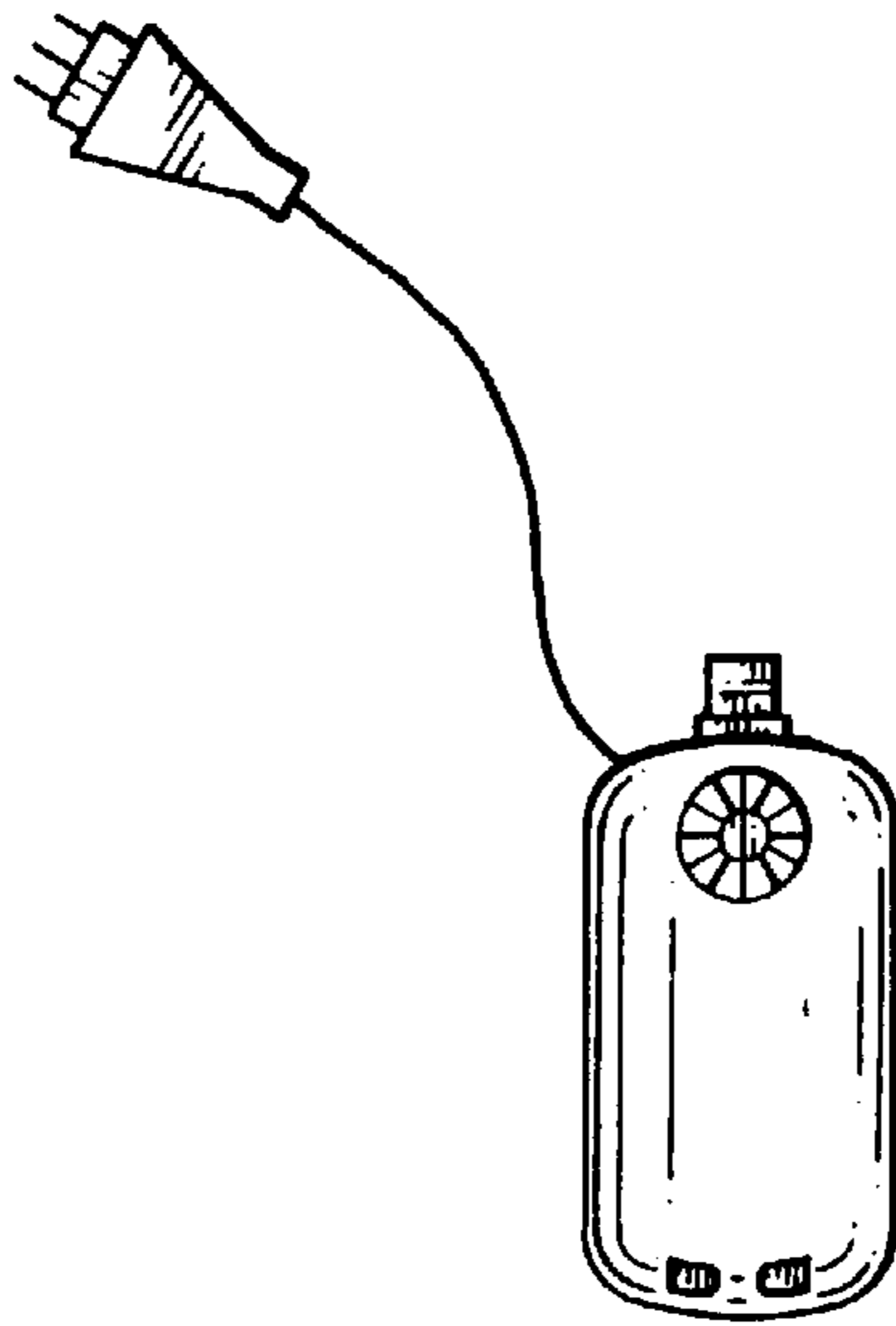


FIG. 7



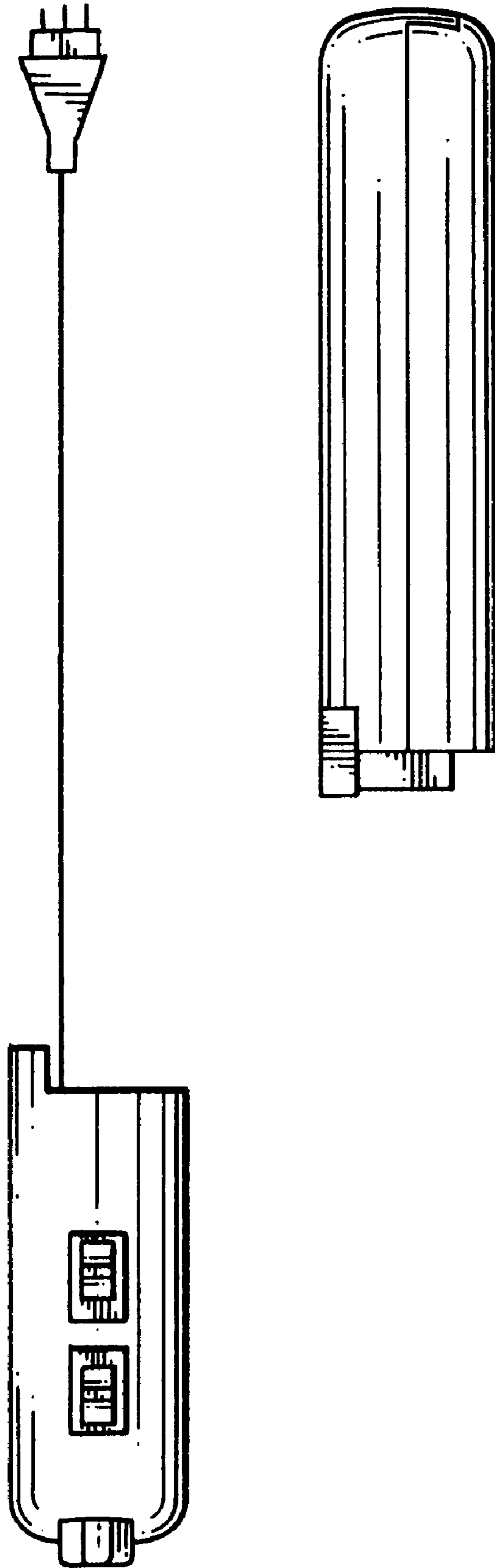


FIG. 9

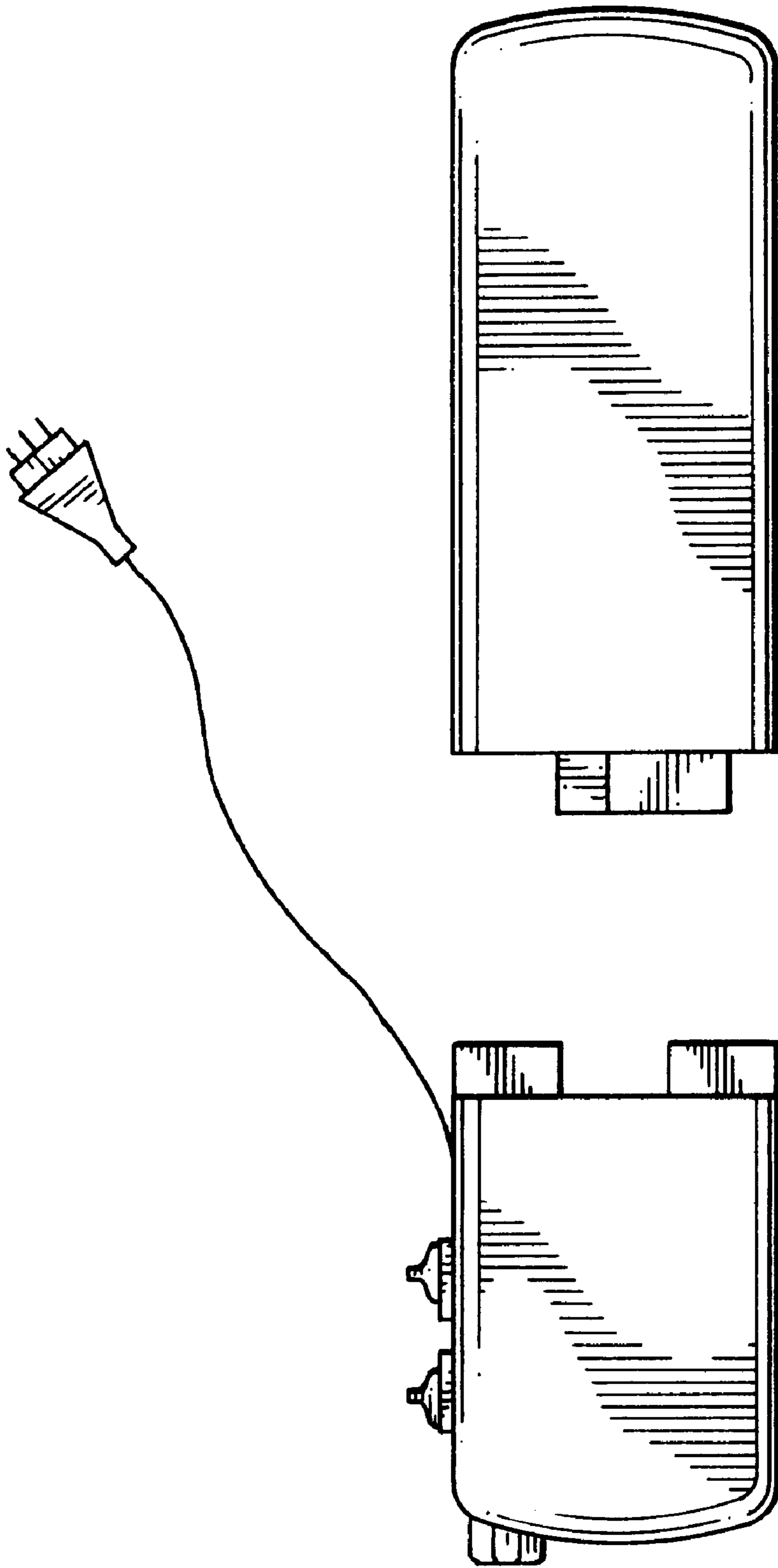


FIG. 10

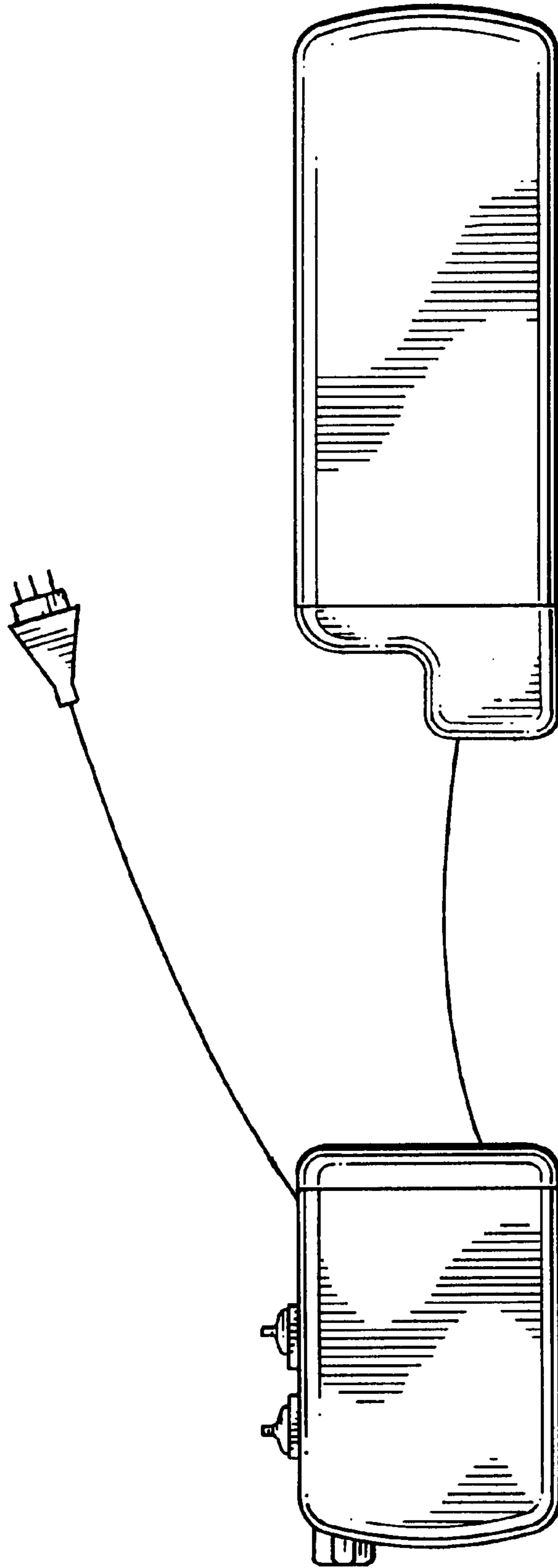


FIG. 11

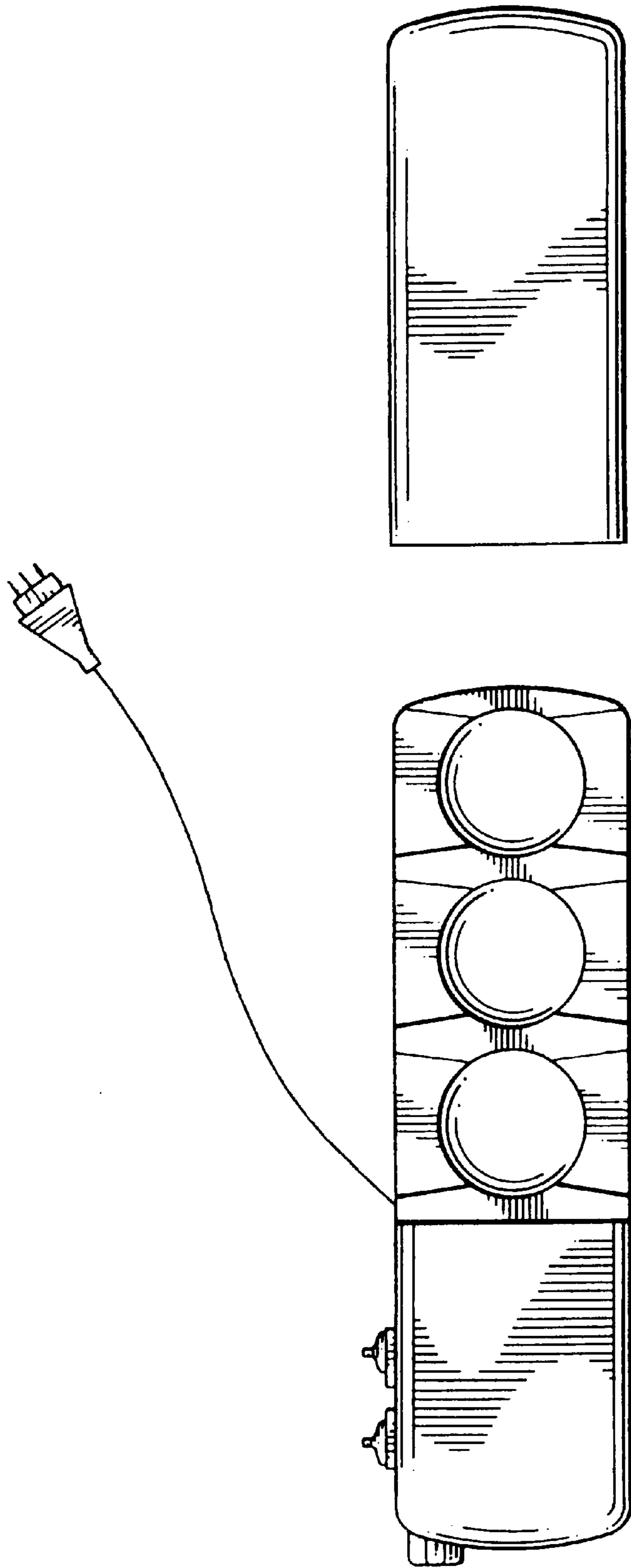


FIG. 12