



US00D533683S

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

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(45) **Date of Patent:** **** Dec. 12, 2006**

(54) **PIEZOELECTRIC LIGHTER**

D235,354 S * 6/1975 Schick D27/156
D472,343 S * 3/2003 Lin D27/157
D485,008 S * 1/2004 Chen D27/157

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* cited by examiner

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Primary Examiner—Jennifer Rivard

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

(74) *Attorney, Agent, or Firm*—Raymond Y. Chan; David & Raymond Patent Group

(21) Appl. No.: **29/222,253**

(57) **CLAIM**

(22) Filed: **Jan. 27, 2005**

The ornamental design for a piezoelectric lighter, as shown.

(51) **LOC (8) Cl.** **27-05**

DESCRIPTION

(52) **U.S. Cl.** **D27/154**

(58) **Field of Classification Search** D27/139,
D27/141–161; 431/129, 143, 153, 253–256,
431/273–277

FIG. 1 is a perspective view showing my new design.
FIG. 2 is a left view thereof.
FIG. 3 is a right view thereof.
FIG. 4 is a front end view thereof.
FIG. 5 is a rear end view thereof.
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

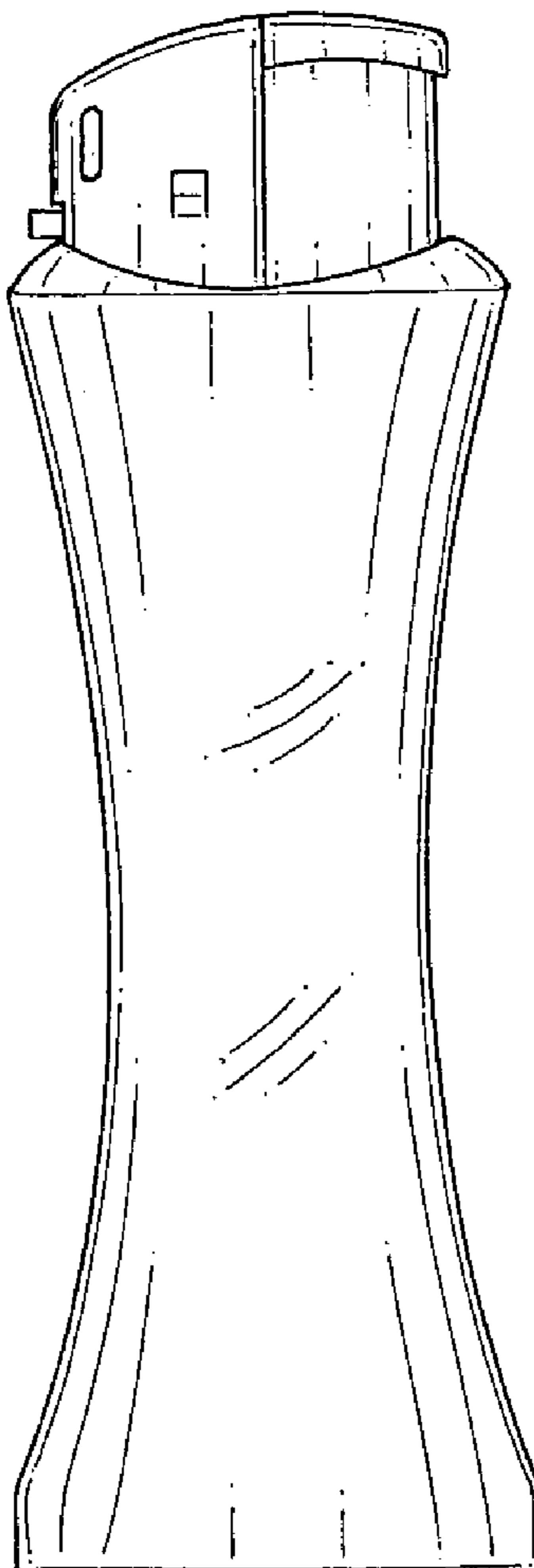
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D186,402 S * 10/1959 Goddard D27/155

1 Claim, 7 Drawing Sheets



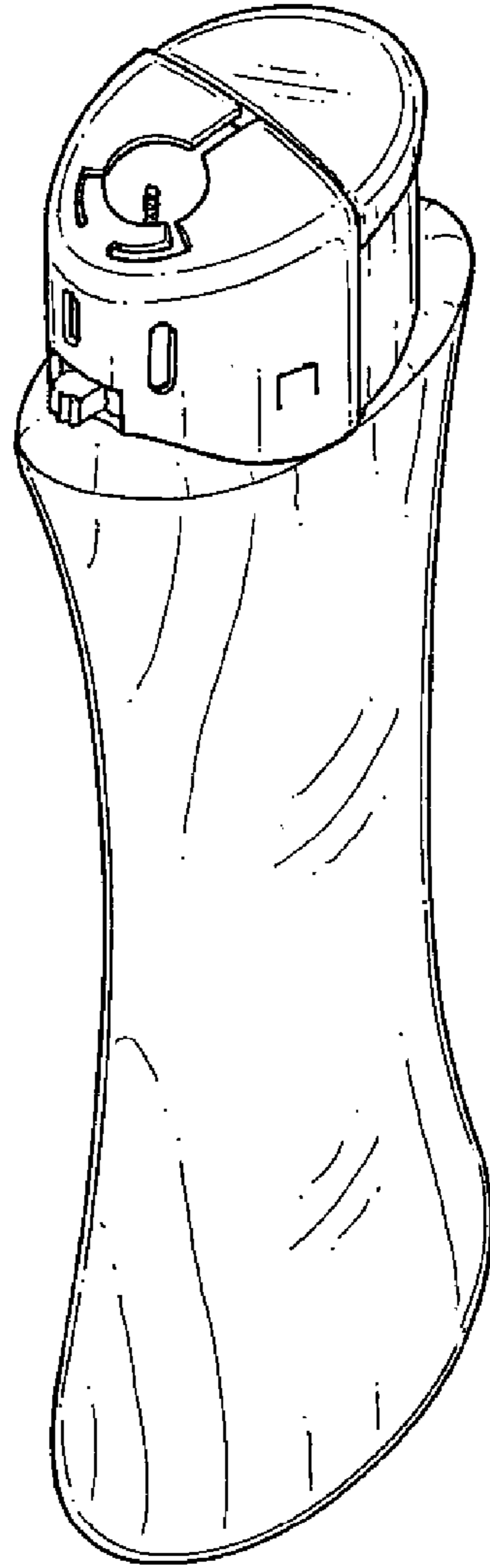


FIG. 1

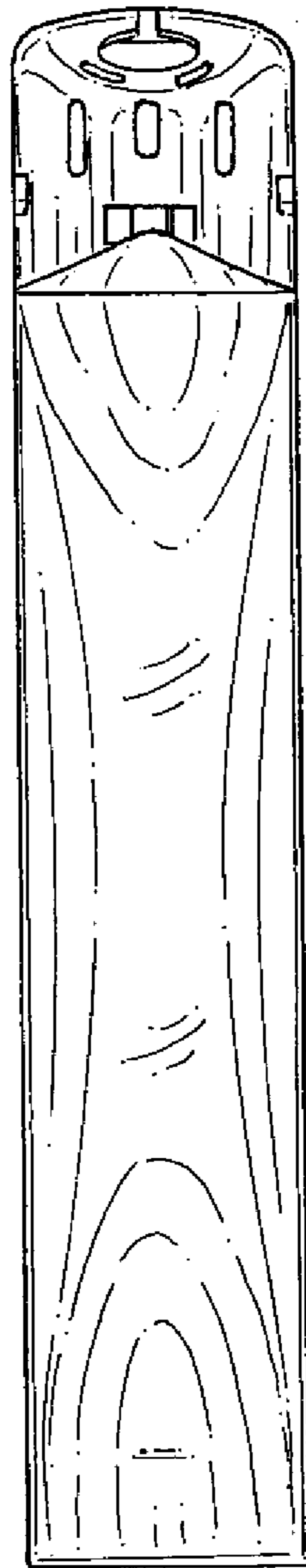


FIG. 2

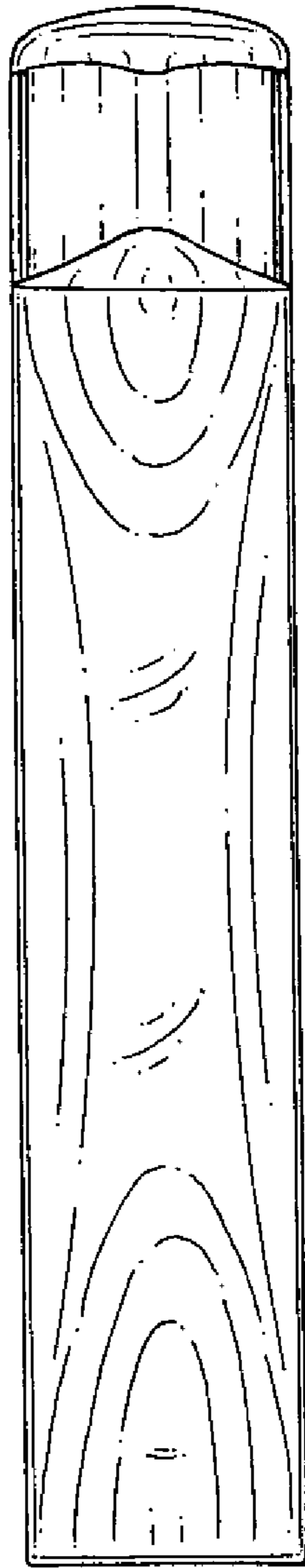


FIG. 3

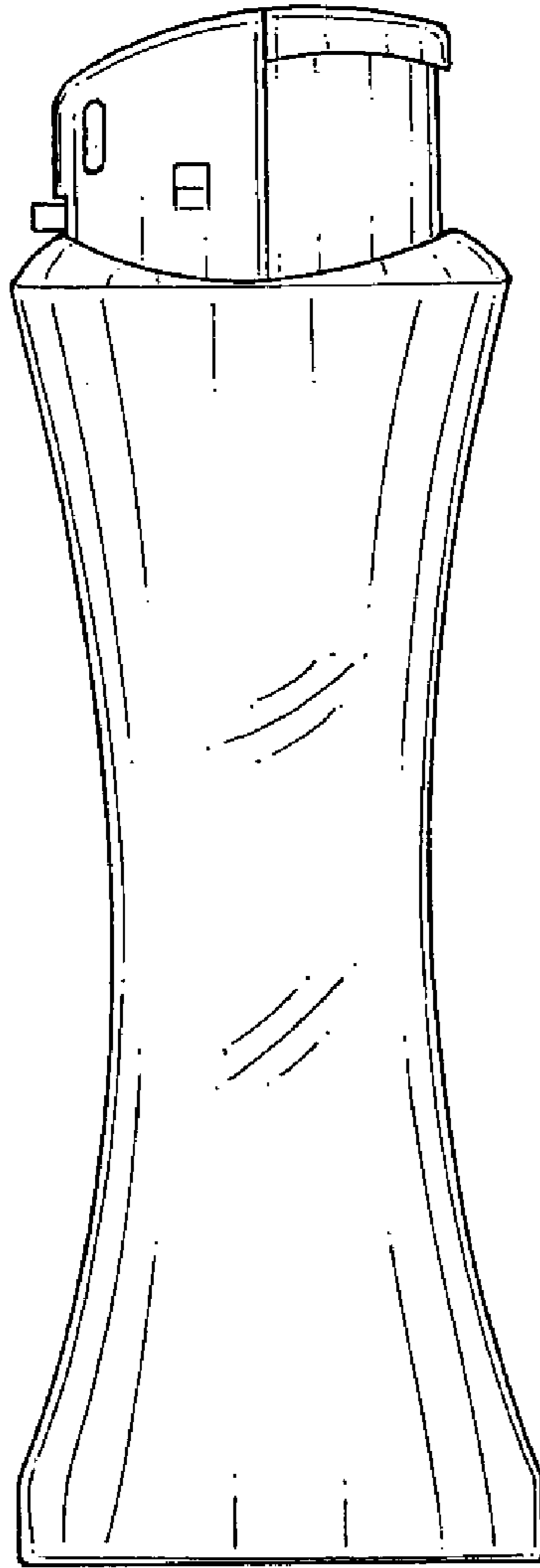


FIG. 4

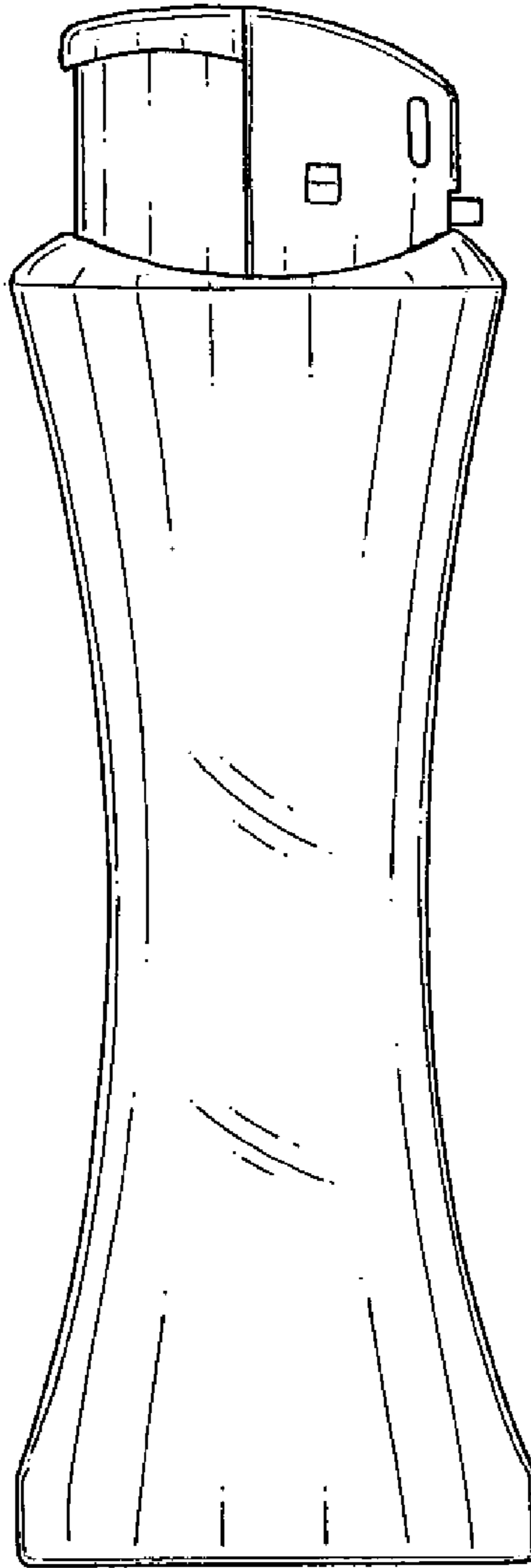


FIG. 5

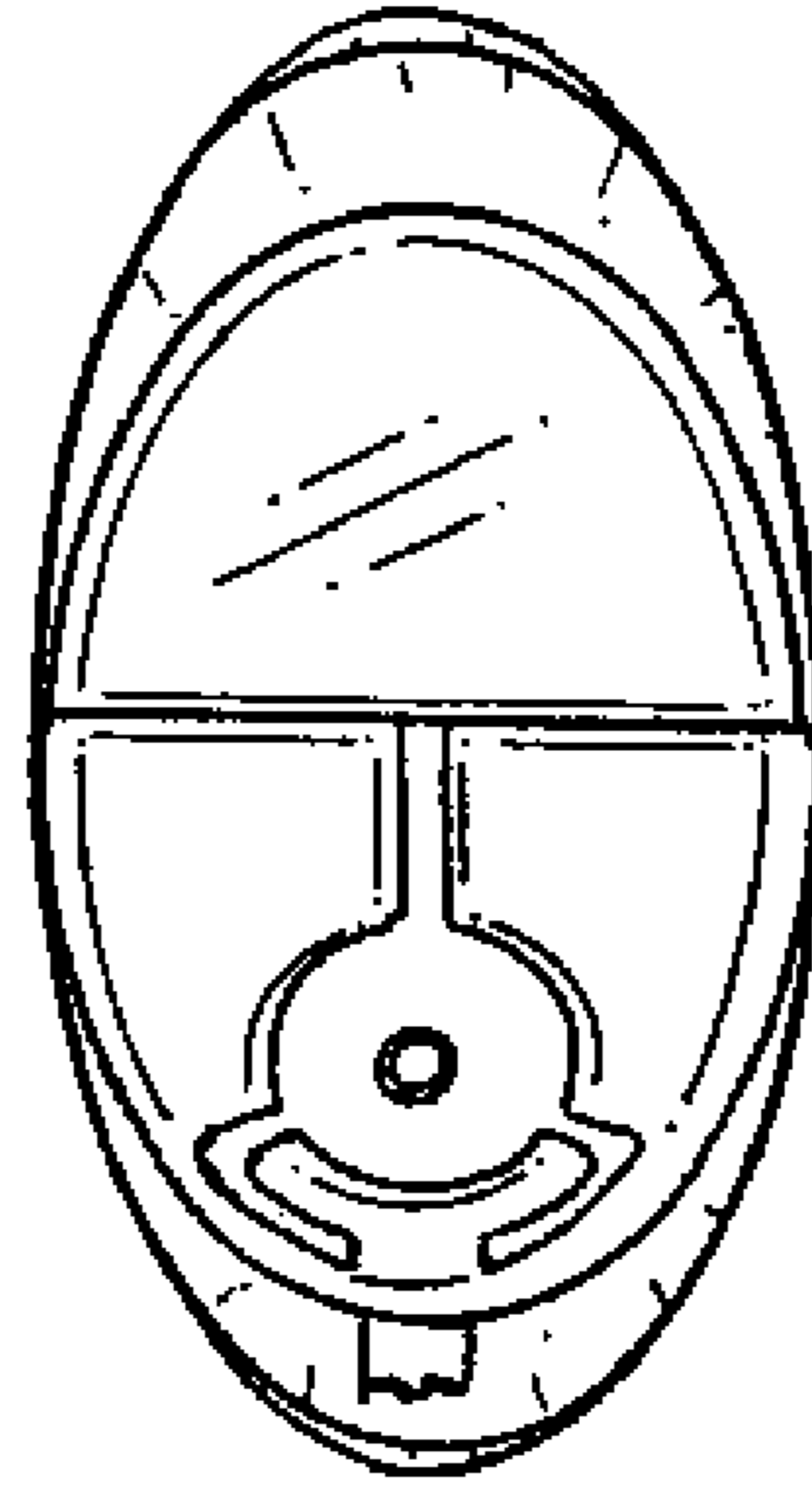


FIG . 6

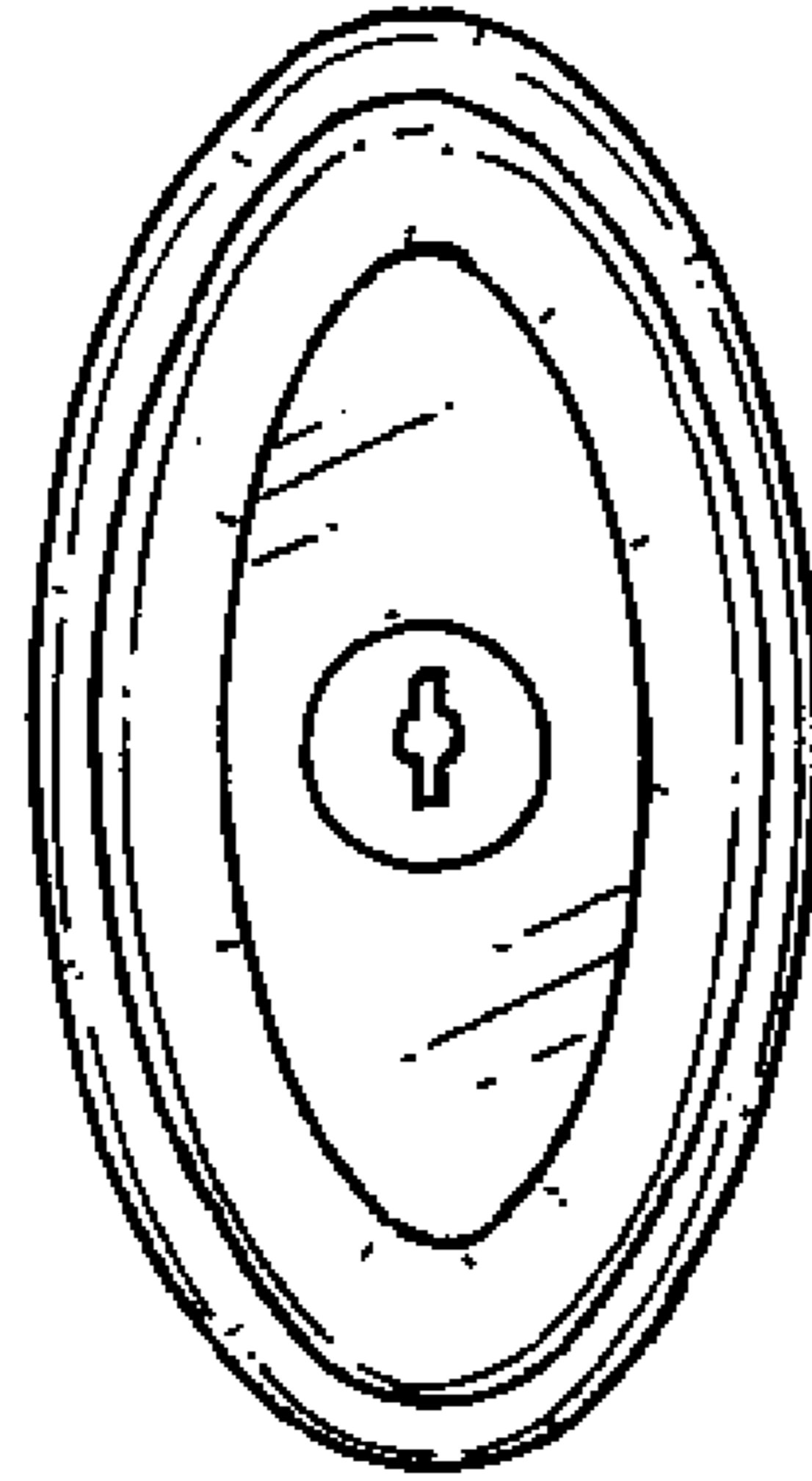


FIG. 7