

United States Patent [19]

Kiyooka et al.

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[45] Date of Patent: ** Sep. 27, 1988

[54] PORTABLE BLOWER AND CLEANER

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[73] Assignee: Komatsu Zenoah Co., Tokyo, Japan

[**] Term: 14 Years

[21] Appl. No.: 862,900

[22] Filed: May 13, 1986

[52] U.S. Cl. D32/15

[58] Field of Search D32/15-16, D32/18, 25, 30; 239/153-154, 289, 308, 351, 355; 417/234-235; 15/412, 414, 415 R, 415 A, 405-409, 330, 327 C, 327 R, 344; D23/225; D9/370, 373, 390, 398, 399

[56] References Cited

U.S. PATENT DOCUMENTS

D. 237,796 11/1975 Wagner D23/225
D. 271,715 12/1983 Kiyooka D32/15
D. 279,319 6/1985 McCloskey et al. D32/15
D. 285,848 9/1986 Iida et al. D32/15/15
3,465,469 9/1969 Winter et al. 239/351
4,288,886 9/1981 Siegler 15/330
4,461,055 7/1984 Zerrer et al. 15/344
4,461,055 7/1984 Zerrer et al. 15/344

Primary Examiner—Wallace R. Burke

Assistant Examiner—Ruth Takemoto

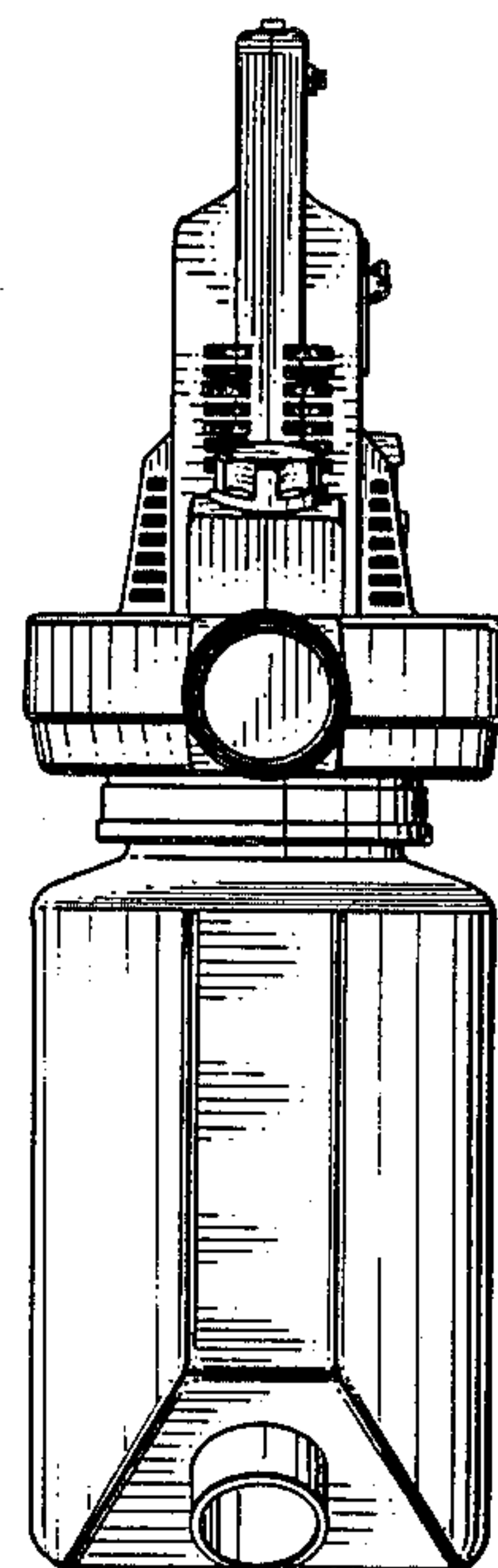
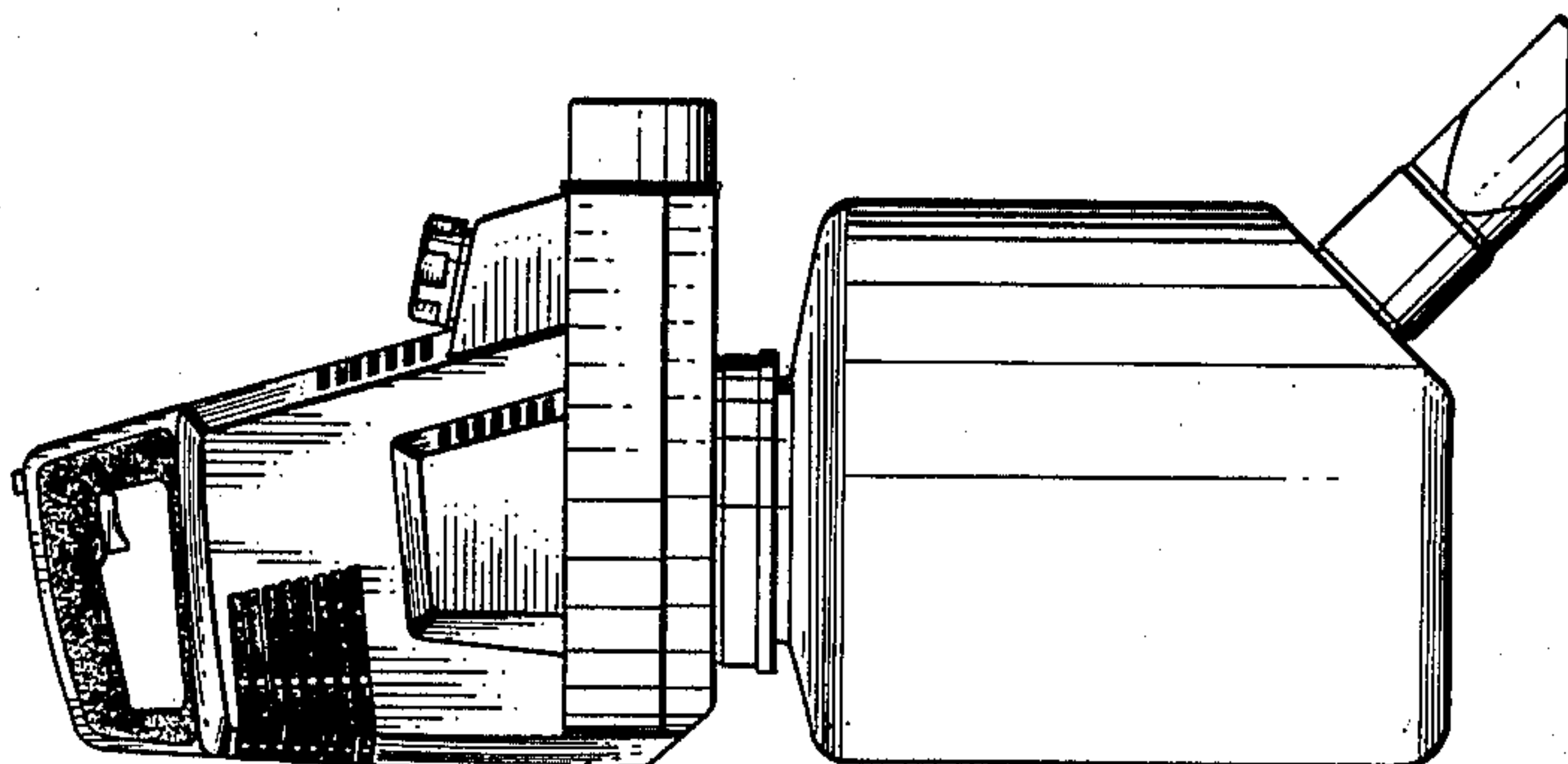
Attorney, Agent, or Firm—Foley & Lardner, Schwartz, Jeffery, Schwaab, Mack, Blumenthal & Evans

[57] CLAIM

The ornamental design for a portable blower and cleaner, as shown and described.

DESCRIPTION

FIG. 1 is left side elevational view of a portable blower and cleaner, showing our new design;
FIG. 2 is a right side elevational view thereof;
FIG. 3 is a top plan view thereof with the nozzle removed from the tank;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a rear elevational view thereof;
FIG. 6 is a front elevational view with the nozzle removed;
FIG. 7 is a left side elevational view of the engine of our portable blower and cleaner;
FIG. 8 is a right side elevational view thereof;
FIG. 9 is a top plan view thereof;
FIG. 10 is a bottom view thereof;
FIG. 11 is a rear view thereof;
FIG. 12 is a front end view thereof;
FIG. 13 is a left side elevational view of the tank of our portable blower and cleaner;
FIG. 14 is a right side elevational view thereof;
FIG. 15 is a rear end view thereof;
FIG. 16 is a front end view thereof;
FIG. 17 is a top plan view thereof; and
FIG. 18 is a bottom view thereof.



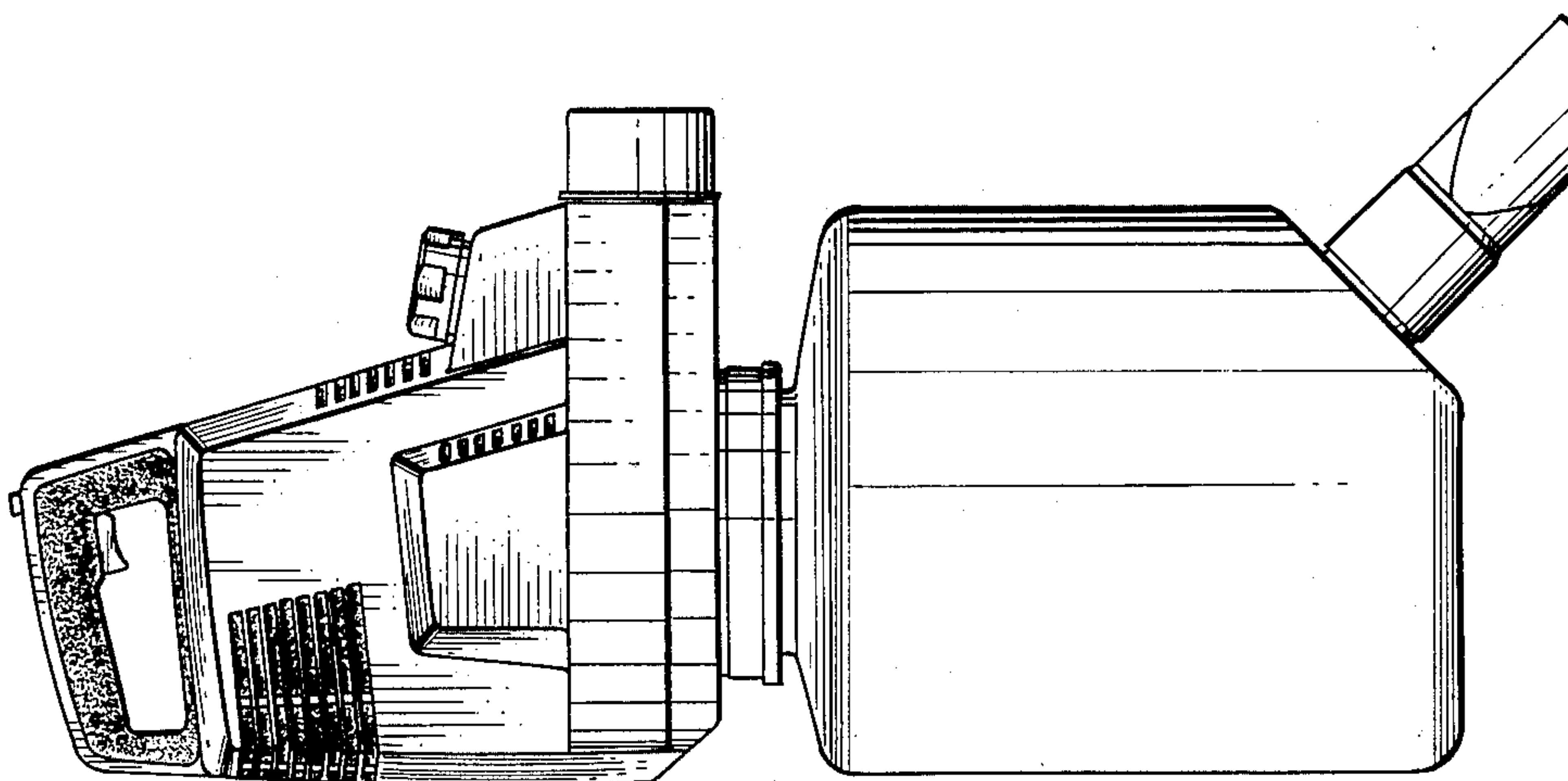


FIG. 2

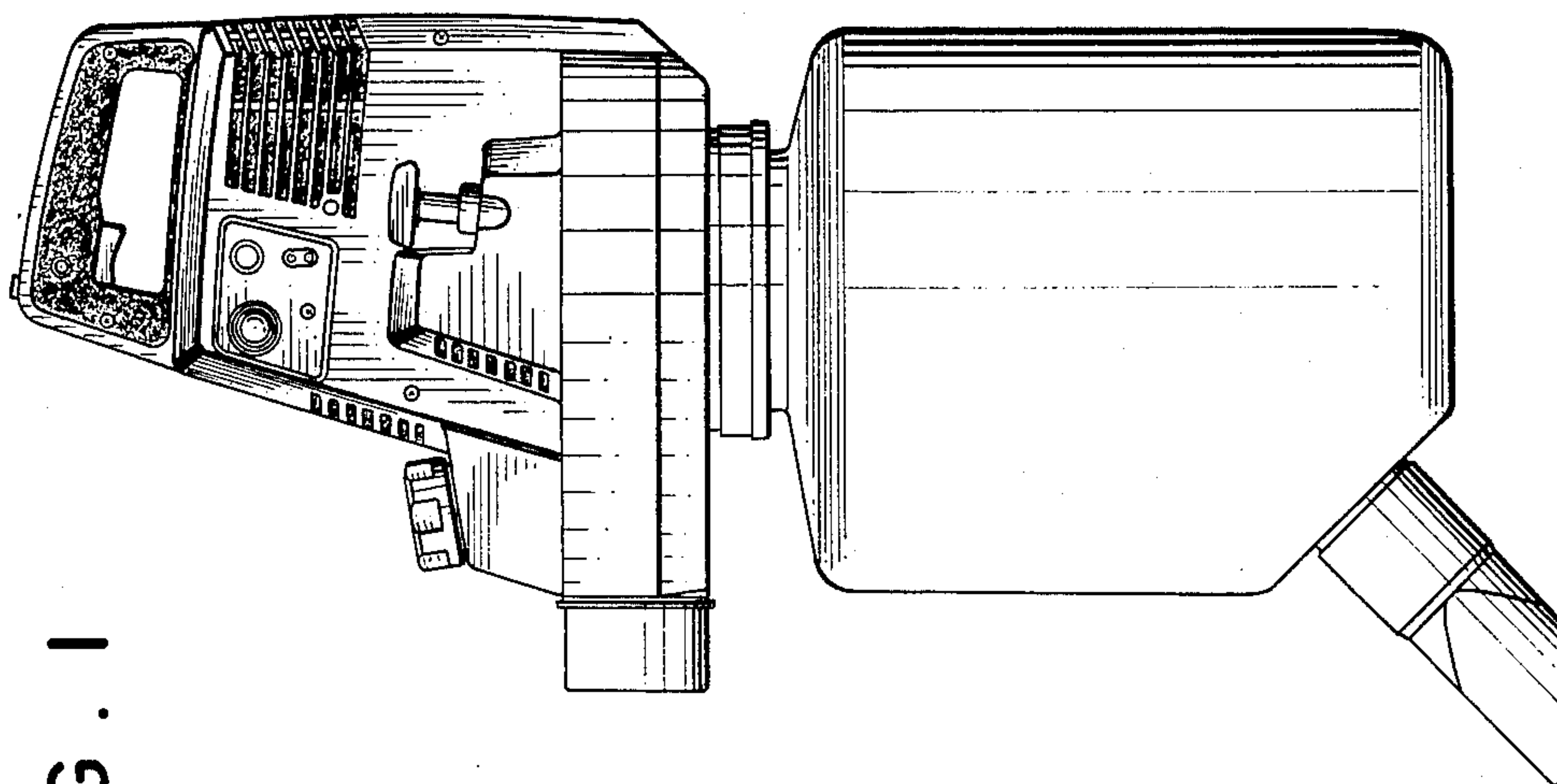


FIG. 1

FIG. 3

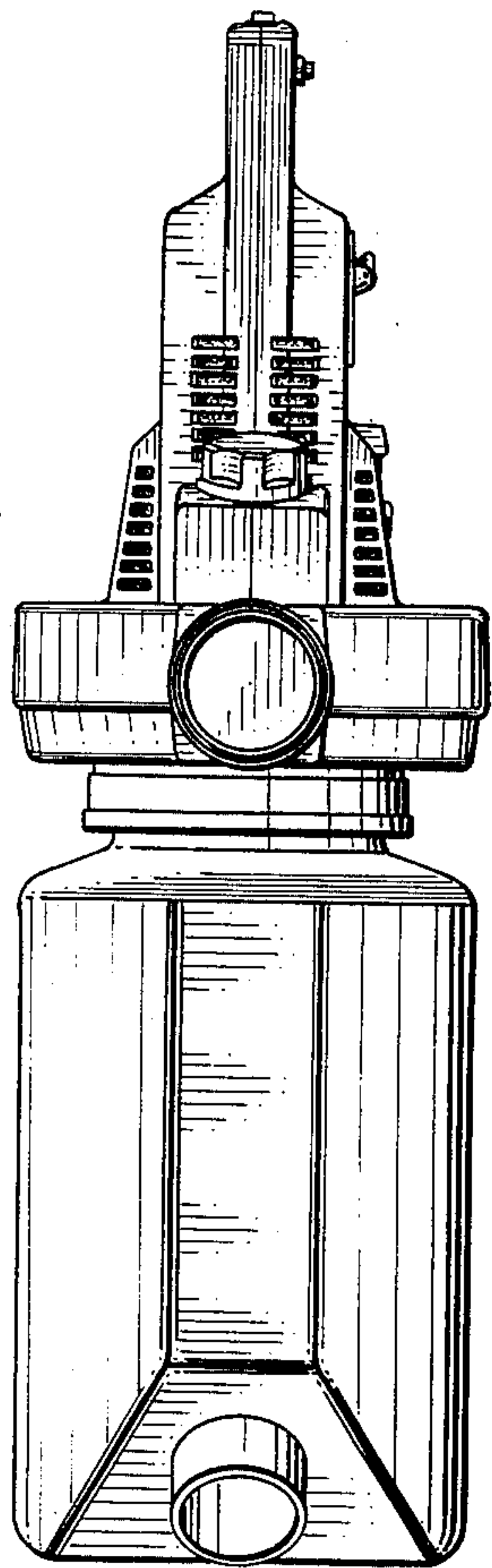


FIG. 4

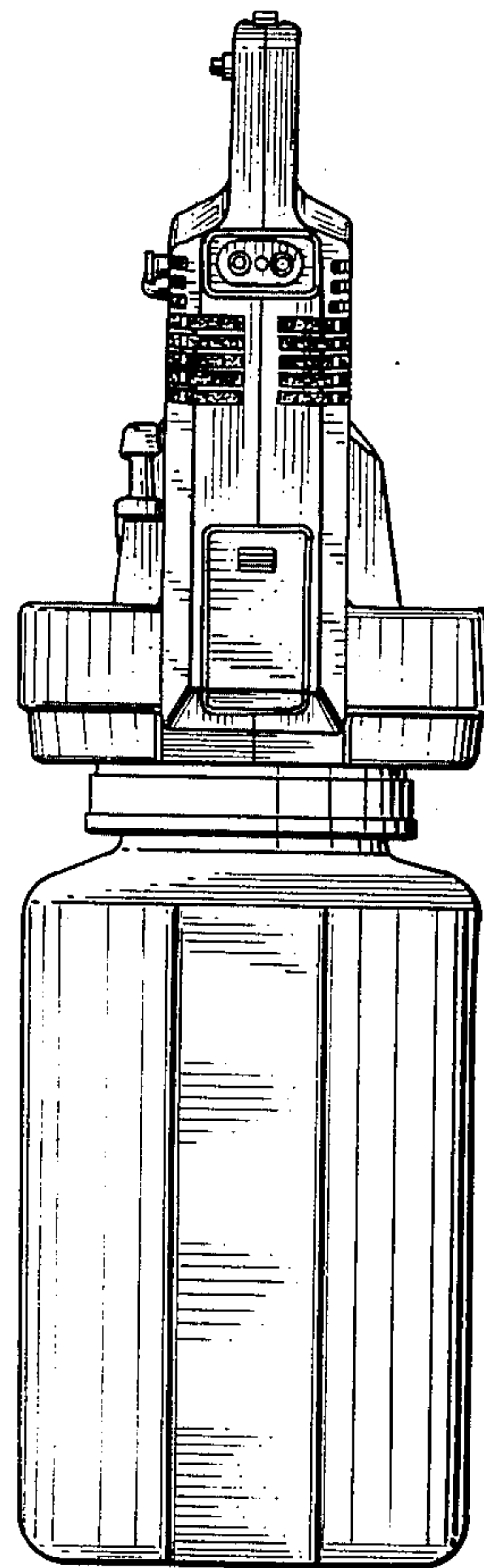


FIG. 5

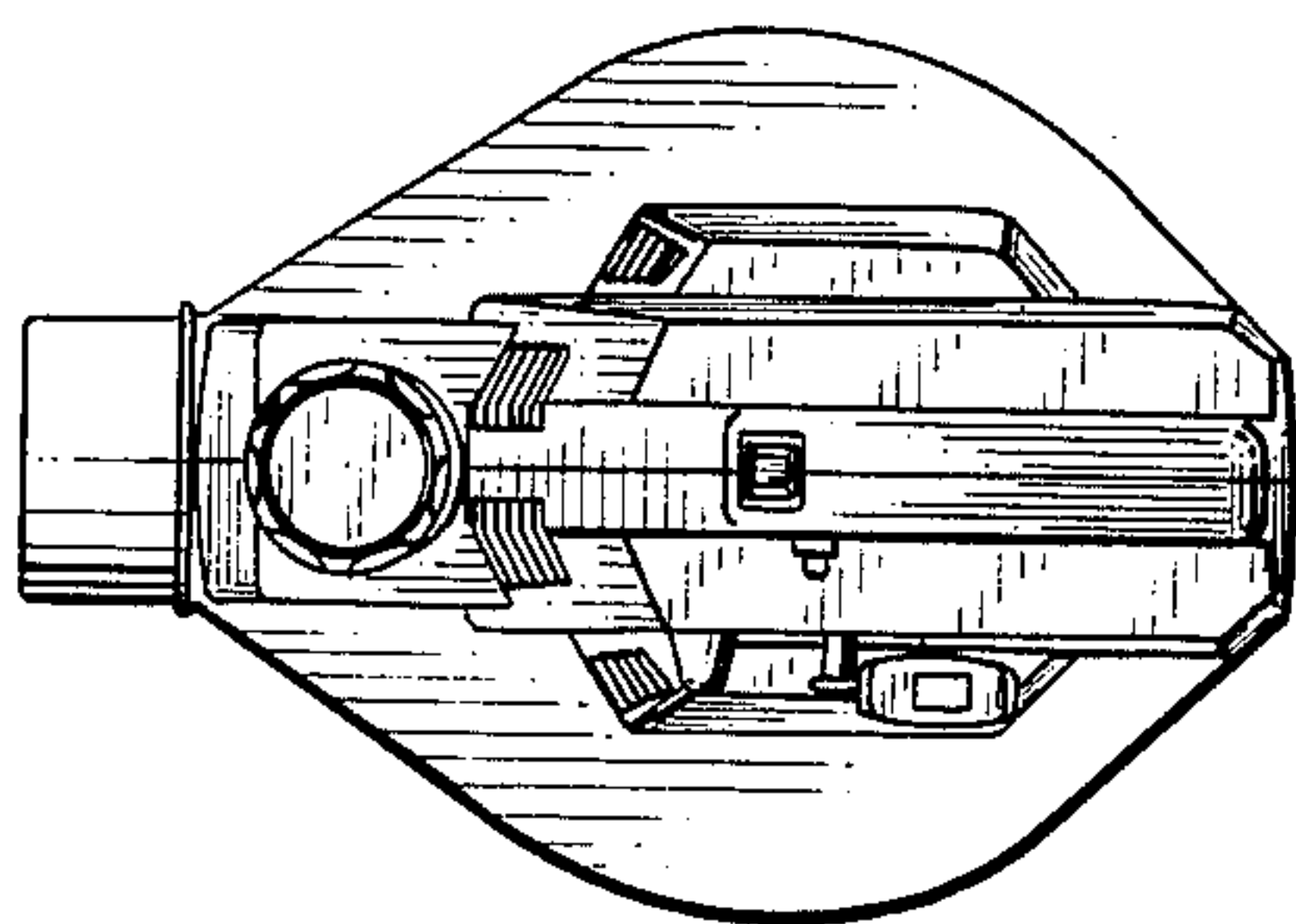


FIG. 6

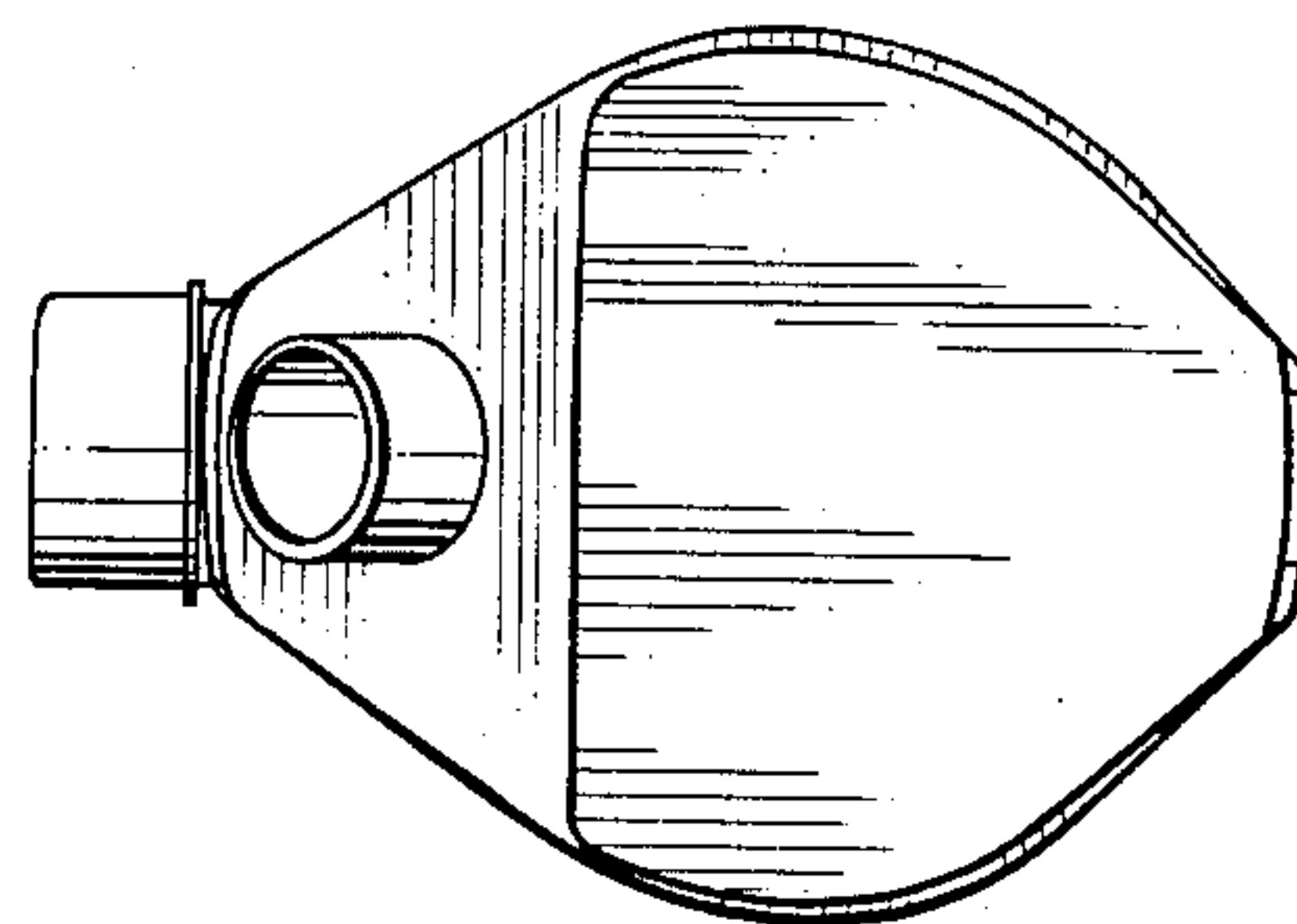


FIG. 7

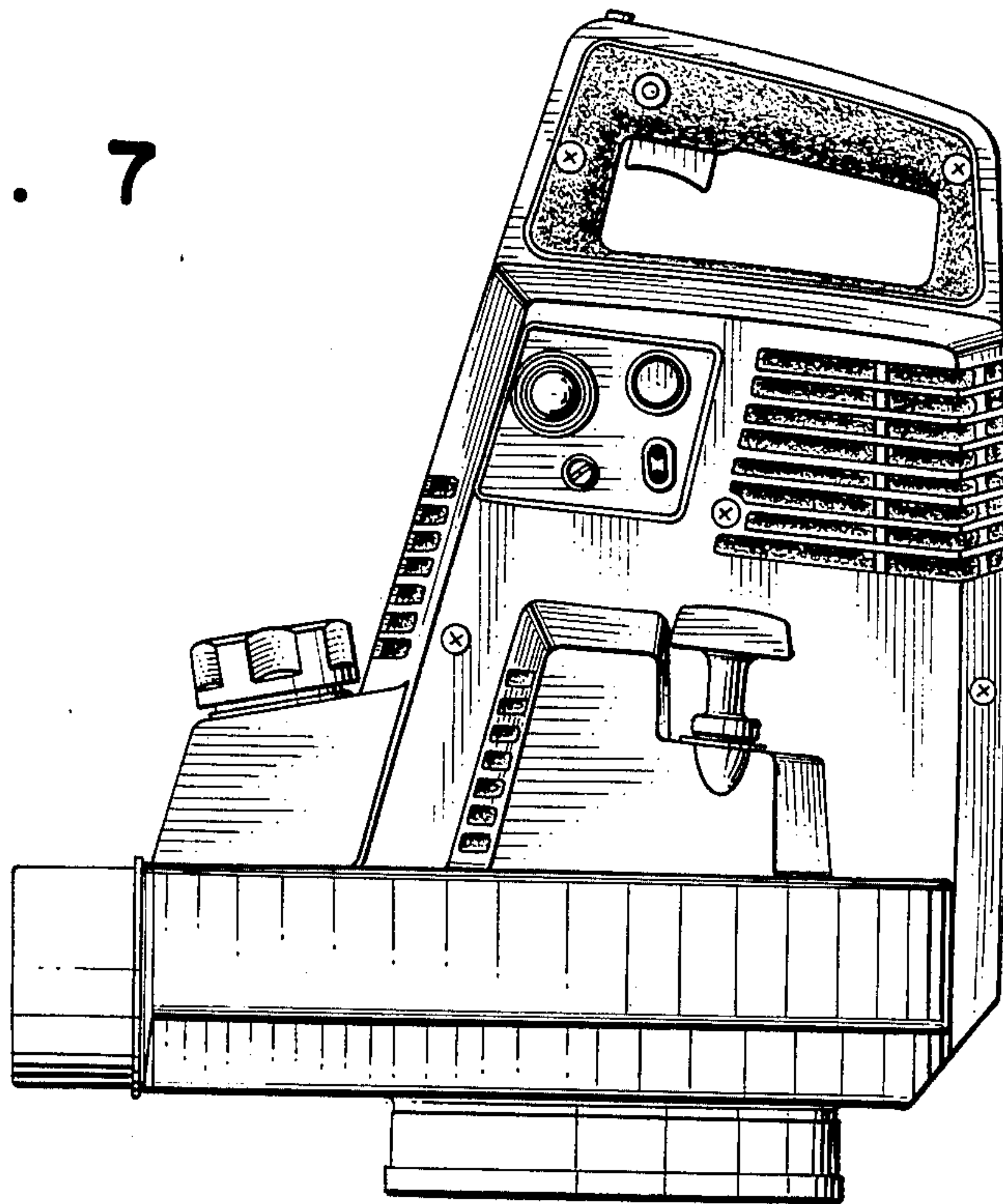


FIG. 8

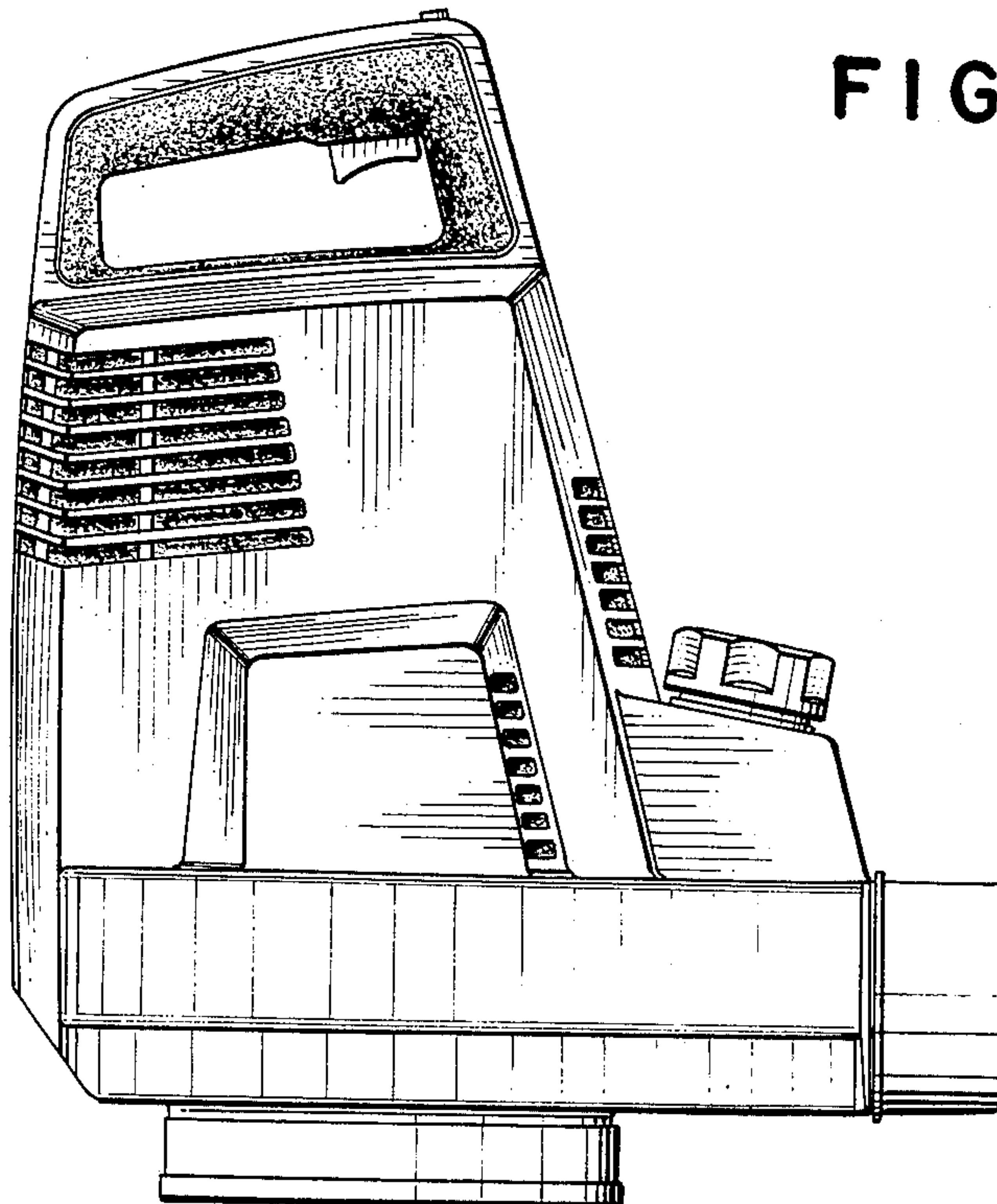


FIG. 9

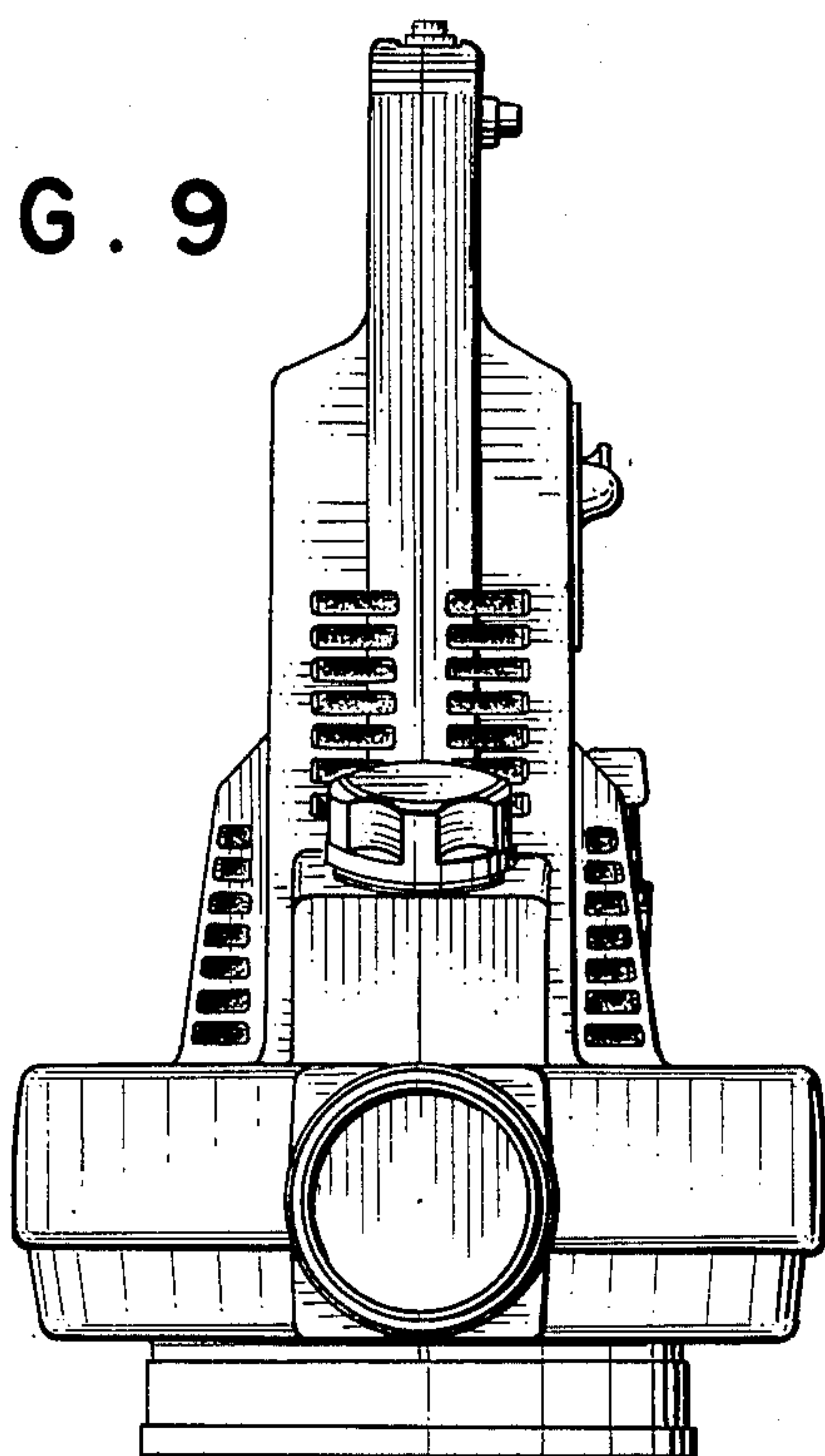


FIG. 10

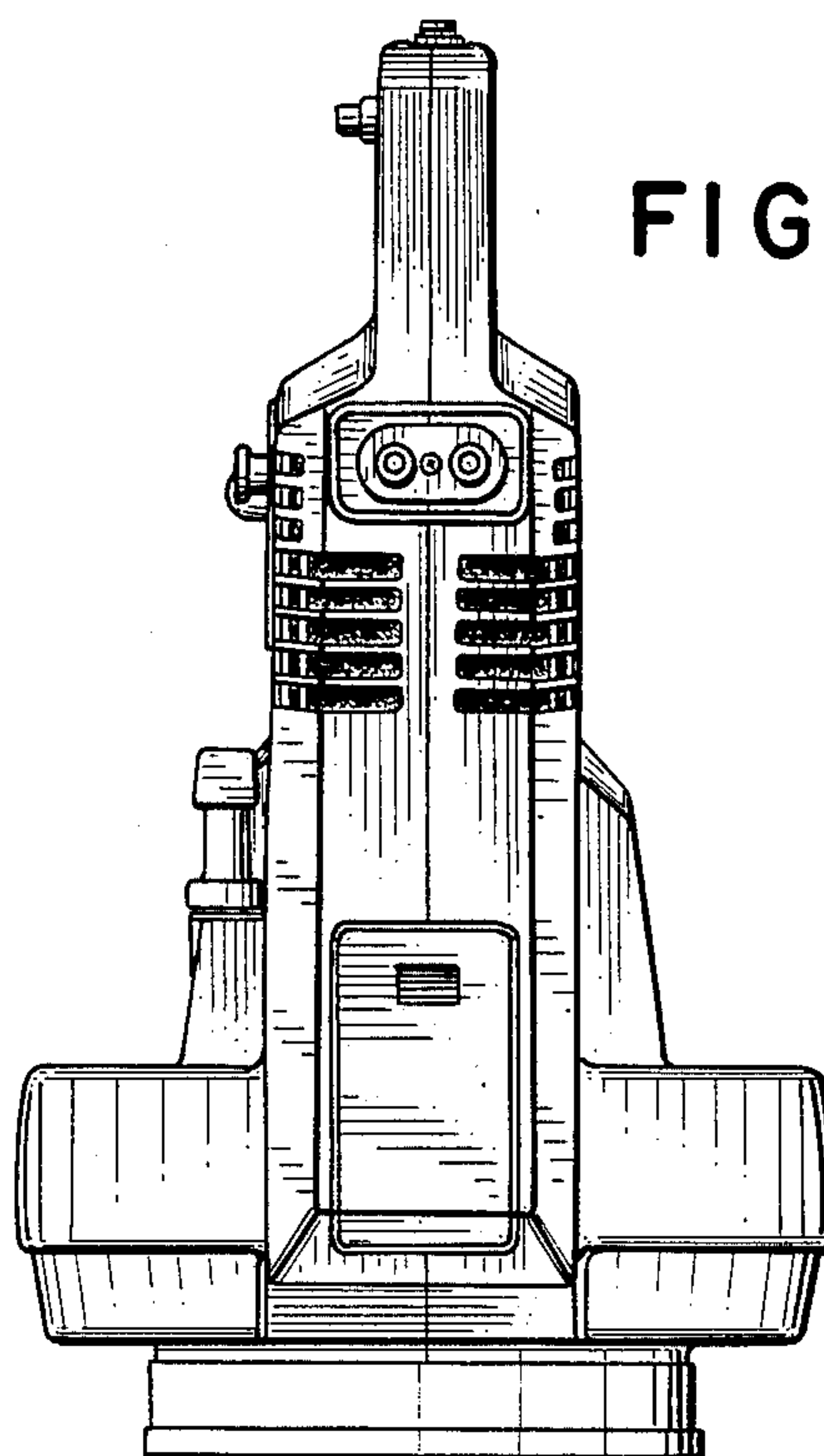


FIG. 11

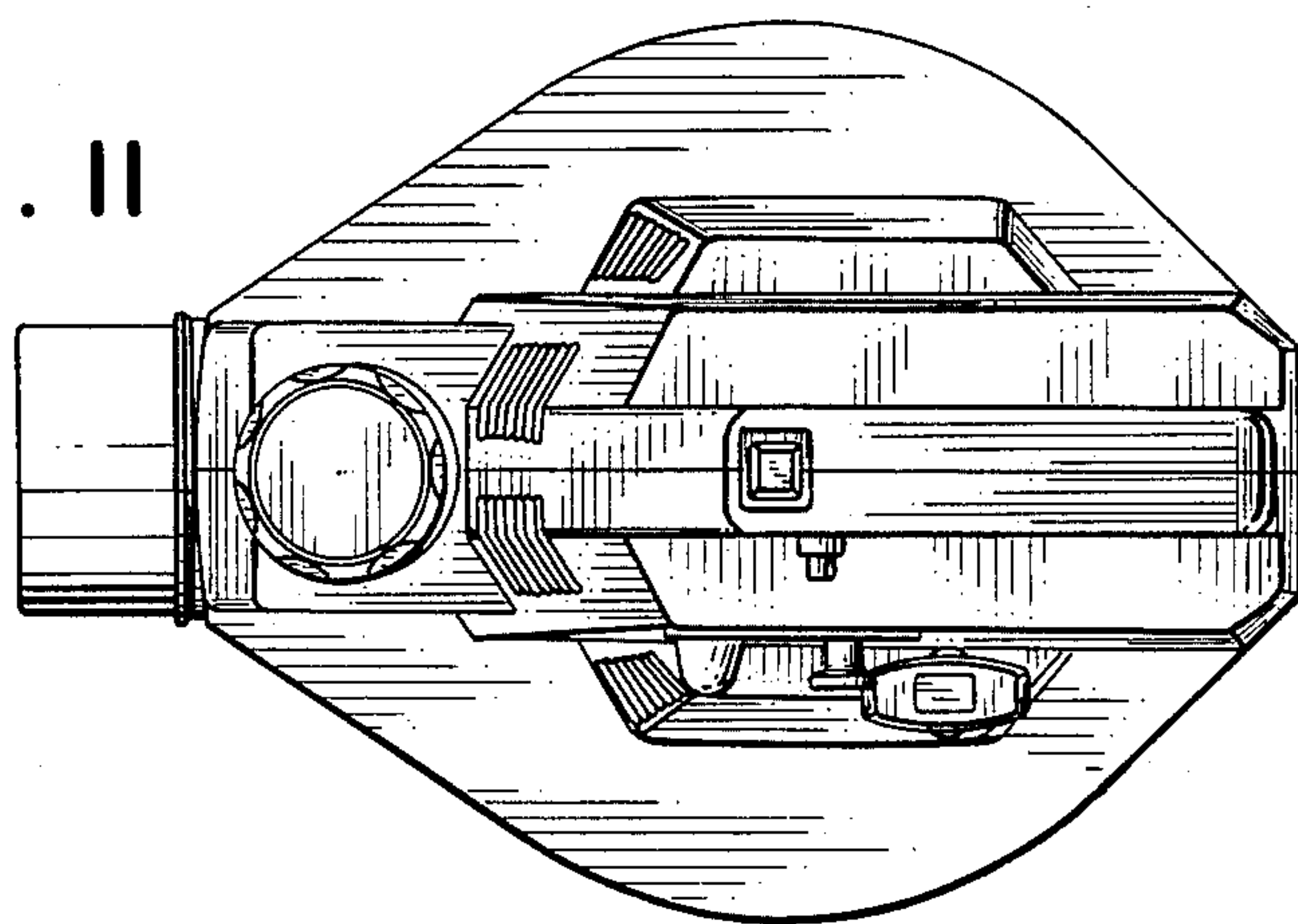


FIG. 12

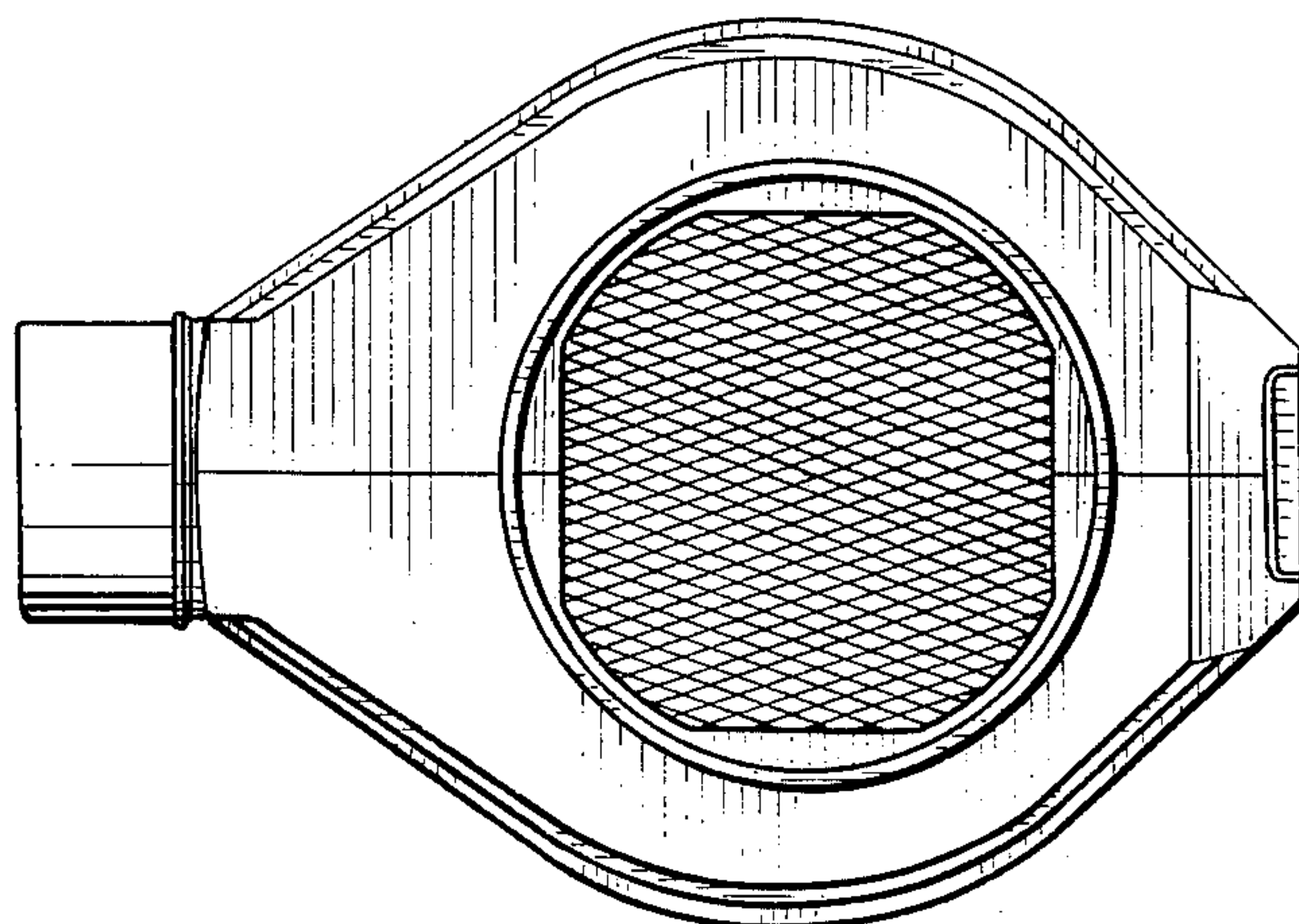


FIG. 13

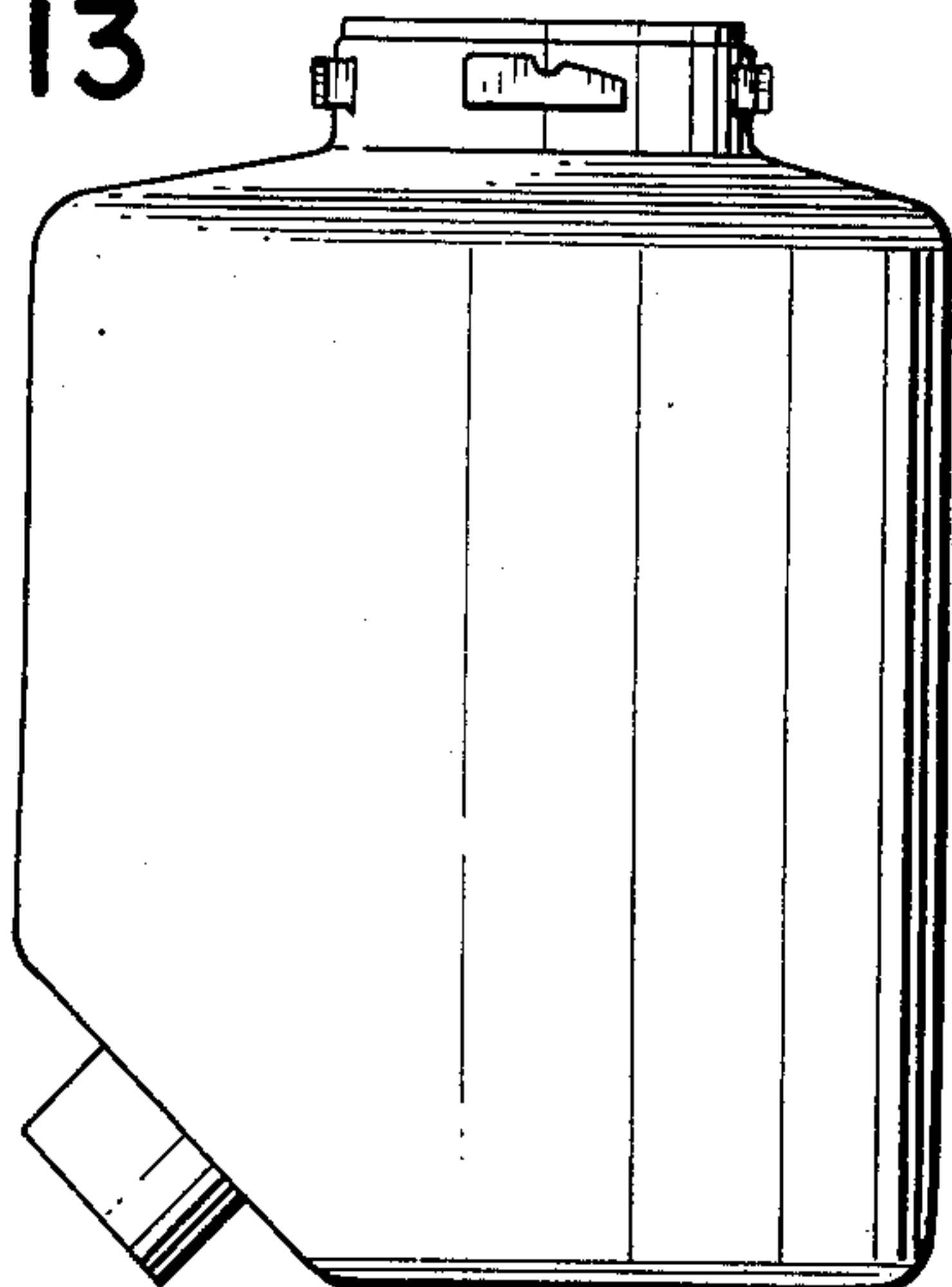


FIG. 14

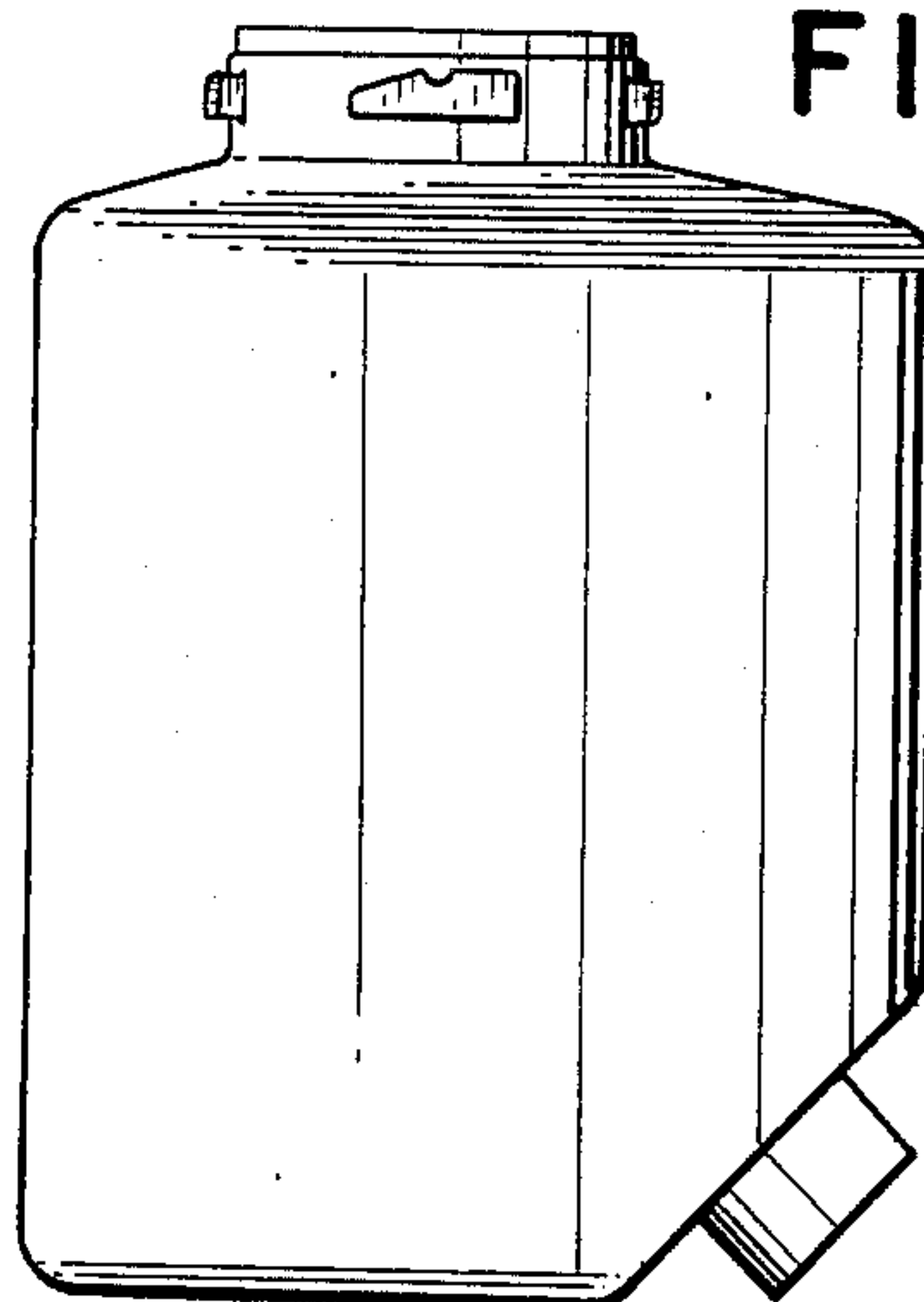


FIG. 15

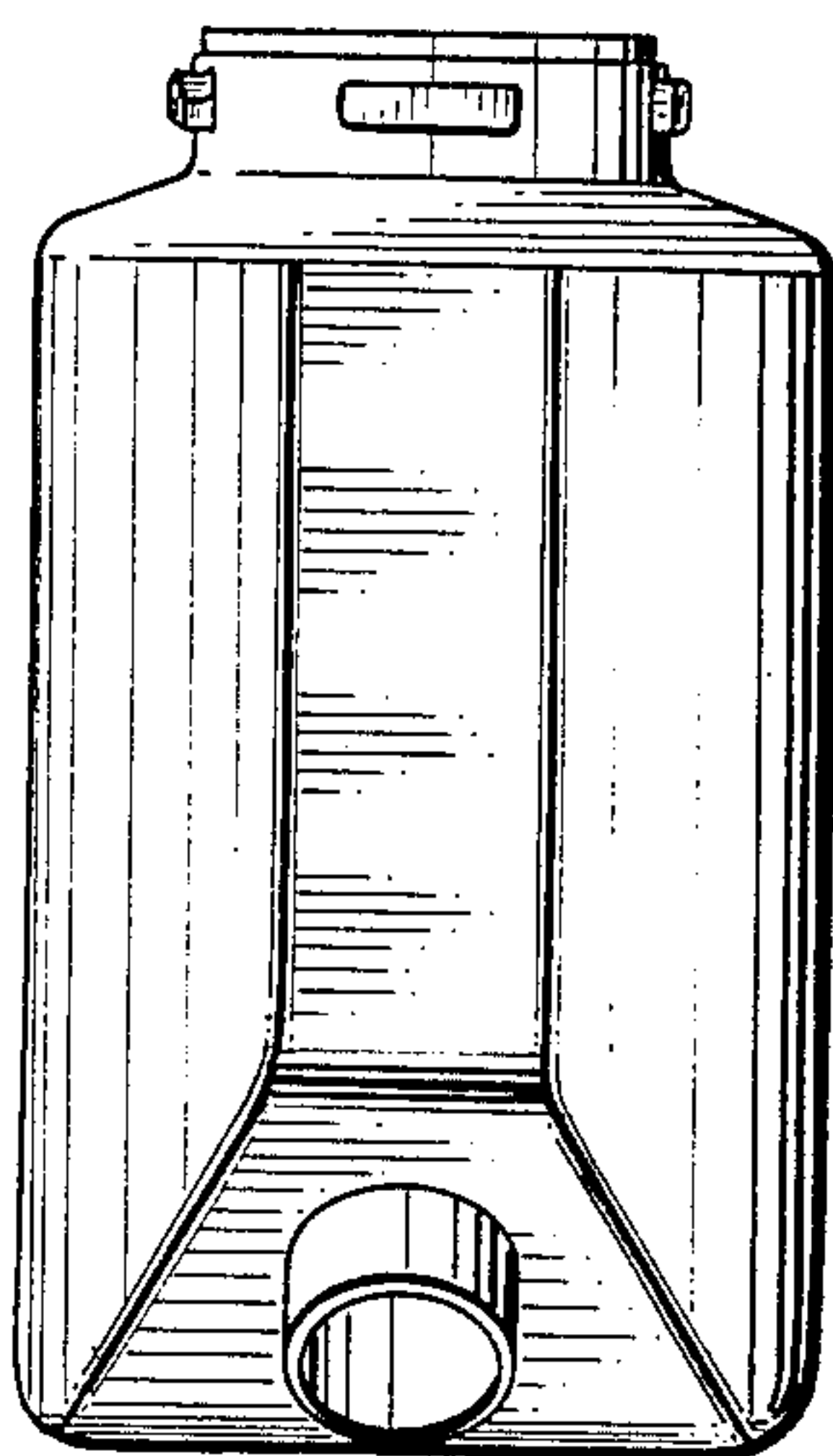


FIG. 16

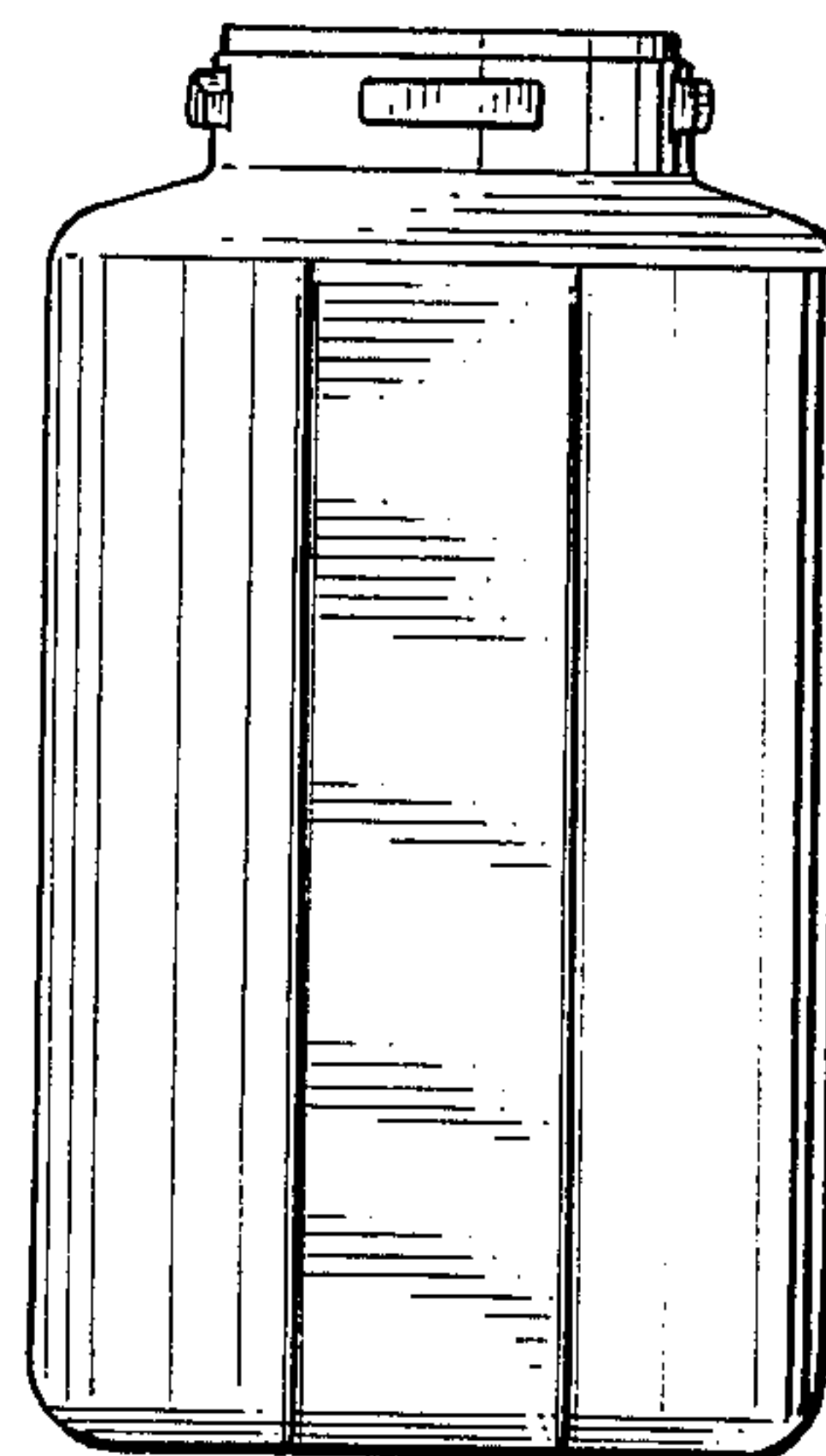


FIG. 17

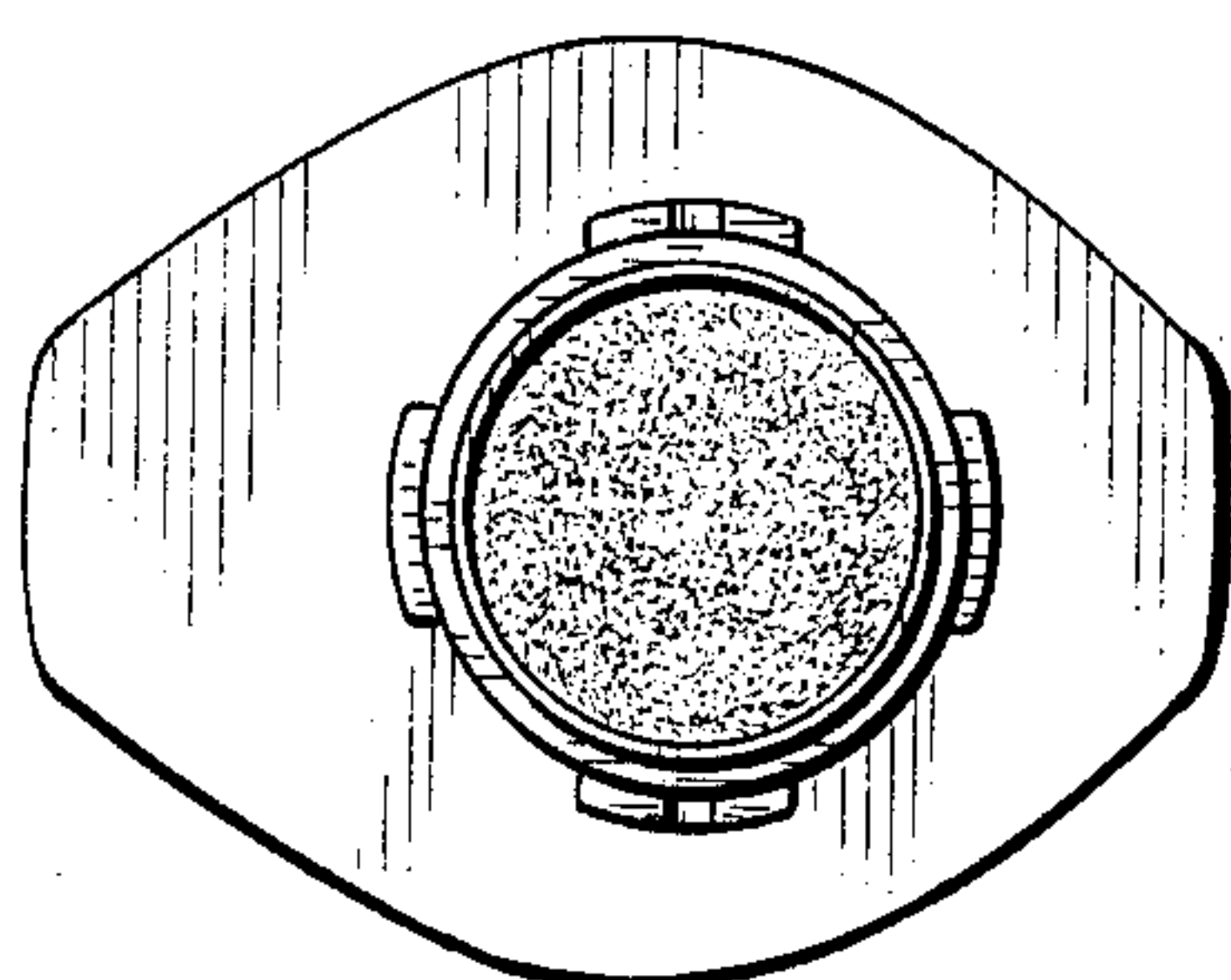


FIG. 18

