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United States Patent [19]

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Kraus et al.

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- [54] **SURGICAL CLIP APPLIER**
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- [73] Assignee: **Codman & Shurtleff, Inc., Randolph, Mass.**
- [**] Term: **14 Years**
- [21] Appl. No.: **560,539**
- [22] Filed: **Jul. 30, 1990**
- [52] U.S. Cl. **D24/145**
- [58] Field of Search **D24/145; 227/175, 901, 227/902; 606/139, 142, 143, 144, 158**

- 4,450,840 5/1984 Mericle et al. .
- 4,478,218 10/1984 Mericle .
- 4,534,351 8/1985 Rothfuss et al. .
- 4,572,183 2/1986 Juska .
- 4,576,166 3/1986 Montgomery et al. .
- 4,662,373 5/1987 Montgomery et al. .
- 5,100,041 3/1992 Storace 227/901 X

Primary Examiner—Stella Reid
Assistant Examiner—I. Simmons

[57] CLAIM

The ornamental design for a surgical clip applier, as shown and described.

DESCRIPTION

FIG. 1 is a front side perspective view of a surgical clip applier showing our new design;
 FIG. 2 is a rear, side perspective view thereof;
 FIG. 3 is a side elevational view thereof;
 FIG. 4 is a side elevational view from the opposite side of FIG. 3;
 FIG. 5 is a top plan view thereof;
 FIG. 6 is a bottom plan view thereof;
 FIG. 7 is a front elevational view thereof; and,
 FIG. 8 is a rear elevational view thereof.

- [56] **References Cited**
- U.S. PATENT DOCUMENTS**
- D. 269,459 6/1983 Butter et al. D24/145
- D. 271,418 11/1983 Campbell et al. D24/145
- D. 272,647 2/1984 Warman et al. D24/145
- D. 278,656 4/1985 Green et al. D24/145
- 3,780,416 12/1973 Rider .
- 4,109,844 8/1978 Becht .
- 4,427,008 1/1984 Transue .

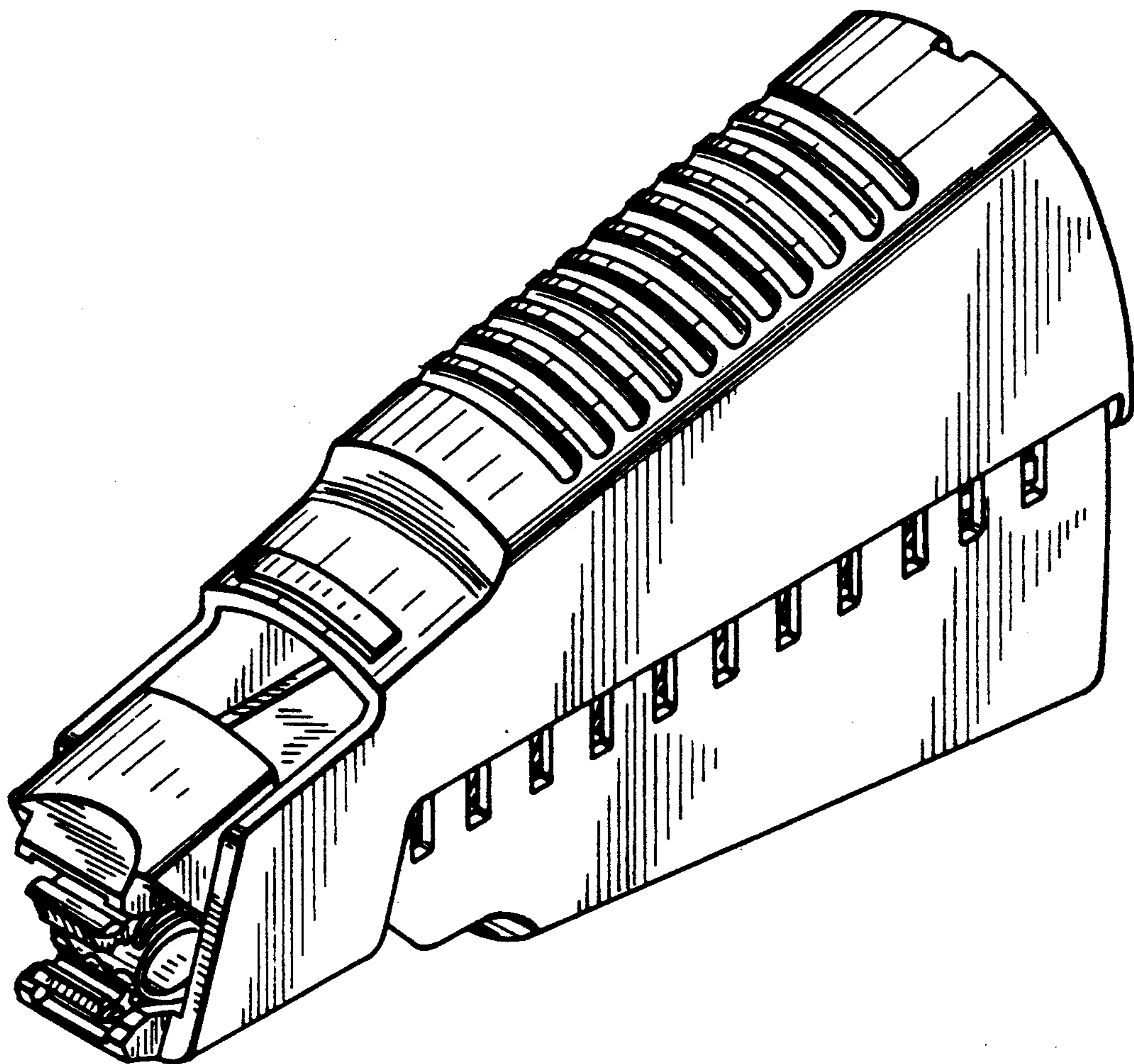


FIG. 1

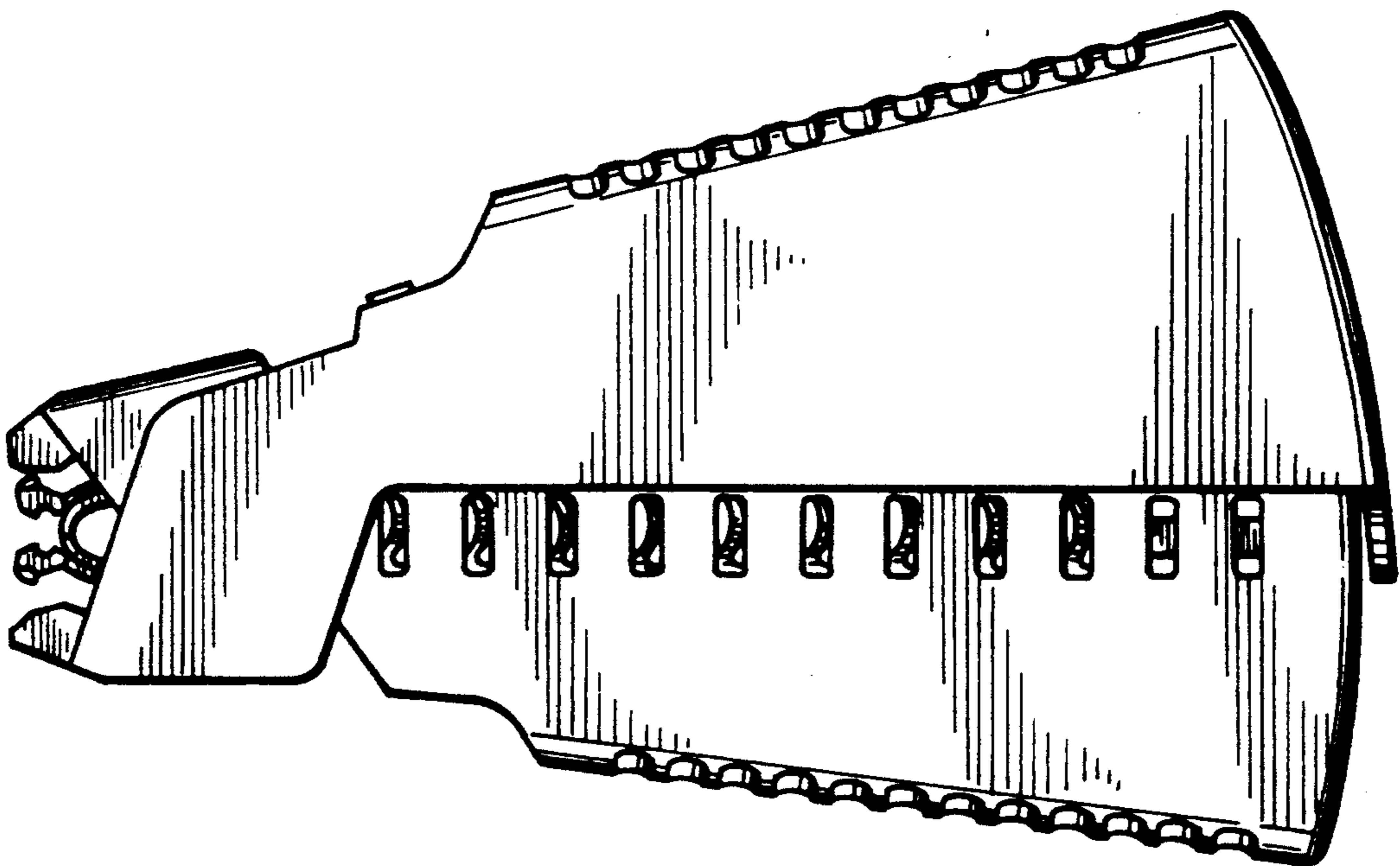
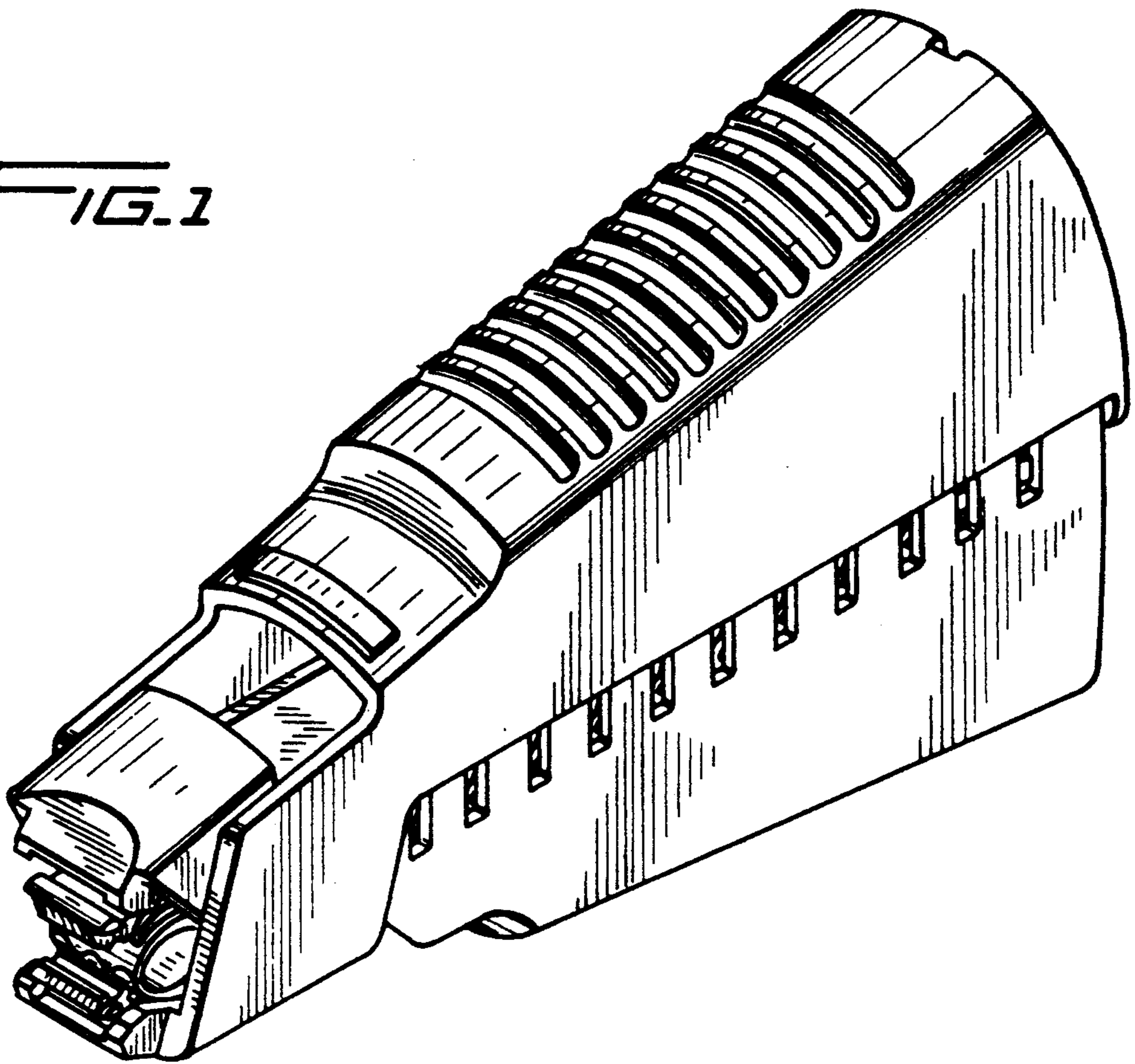


FIG. 3

FIG. 2

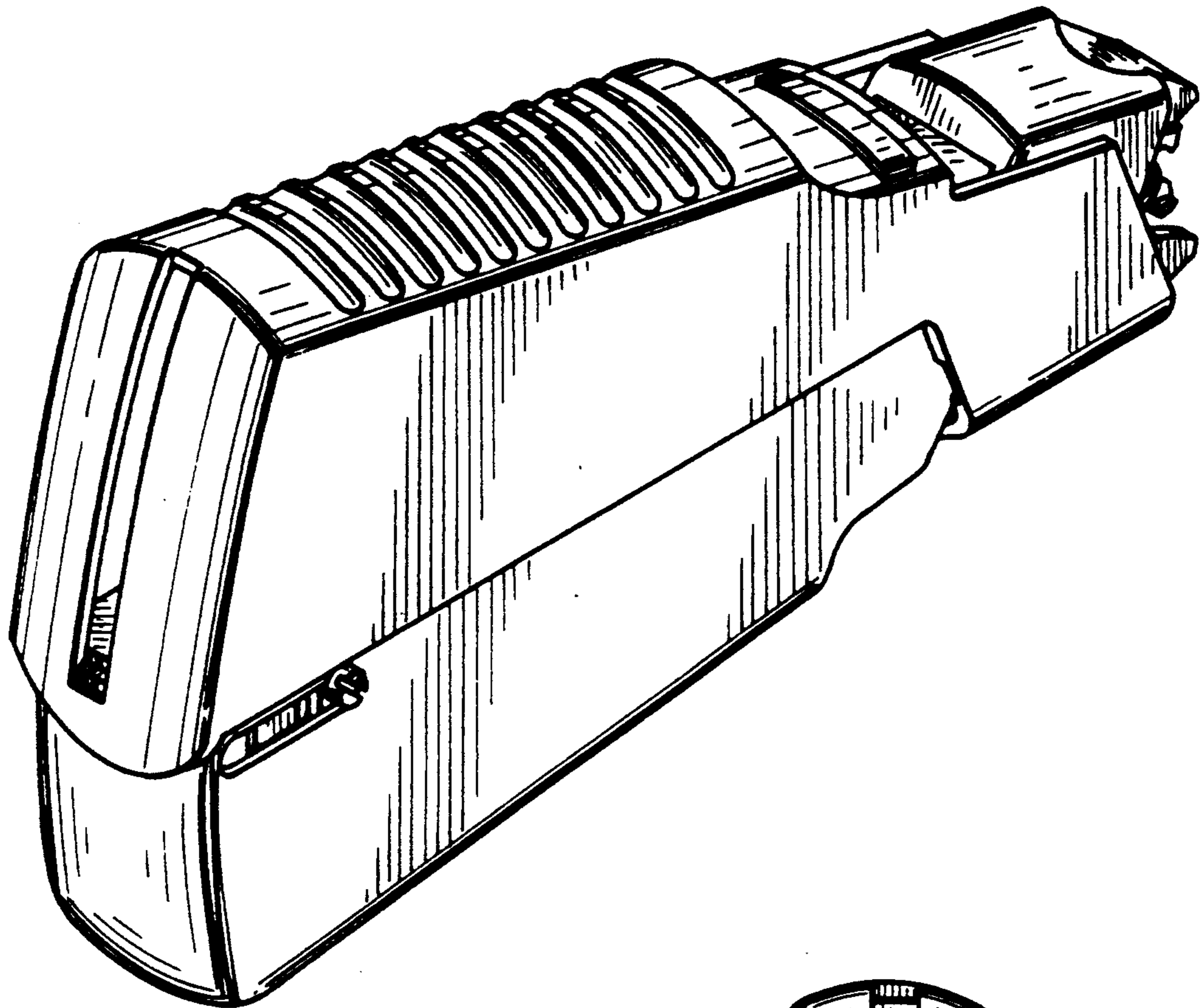
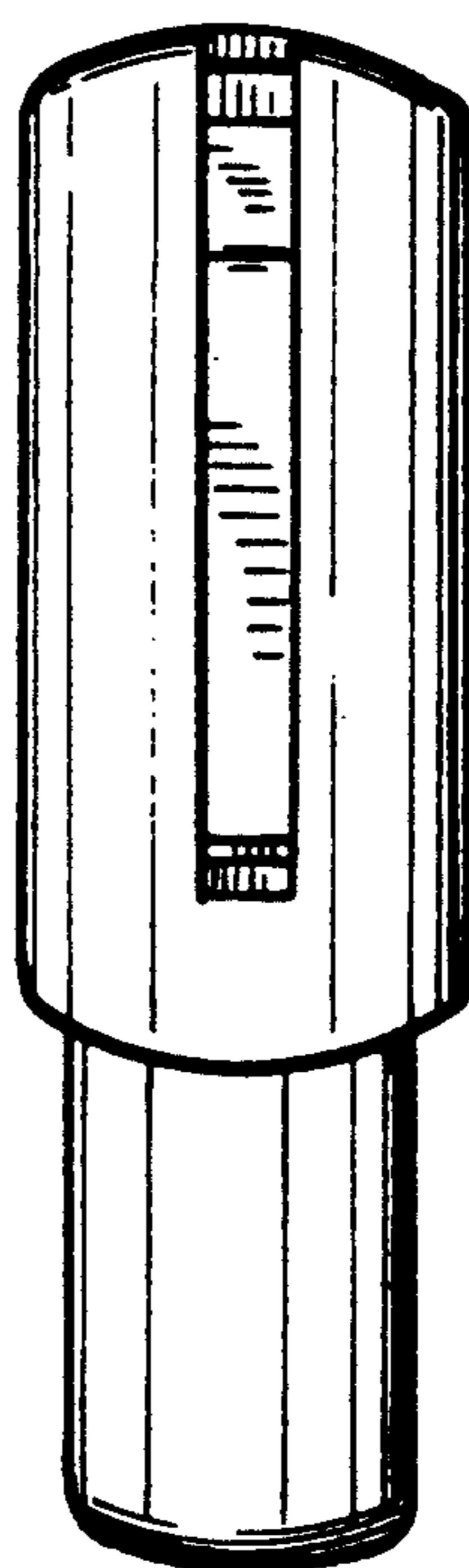


FIG. 8



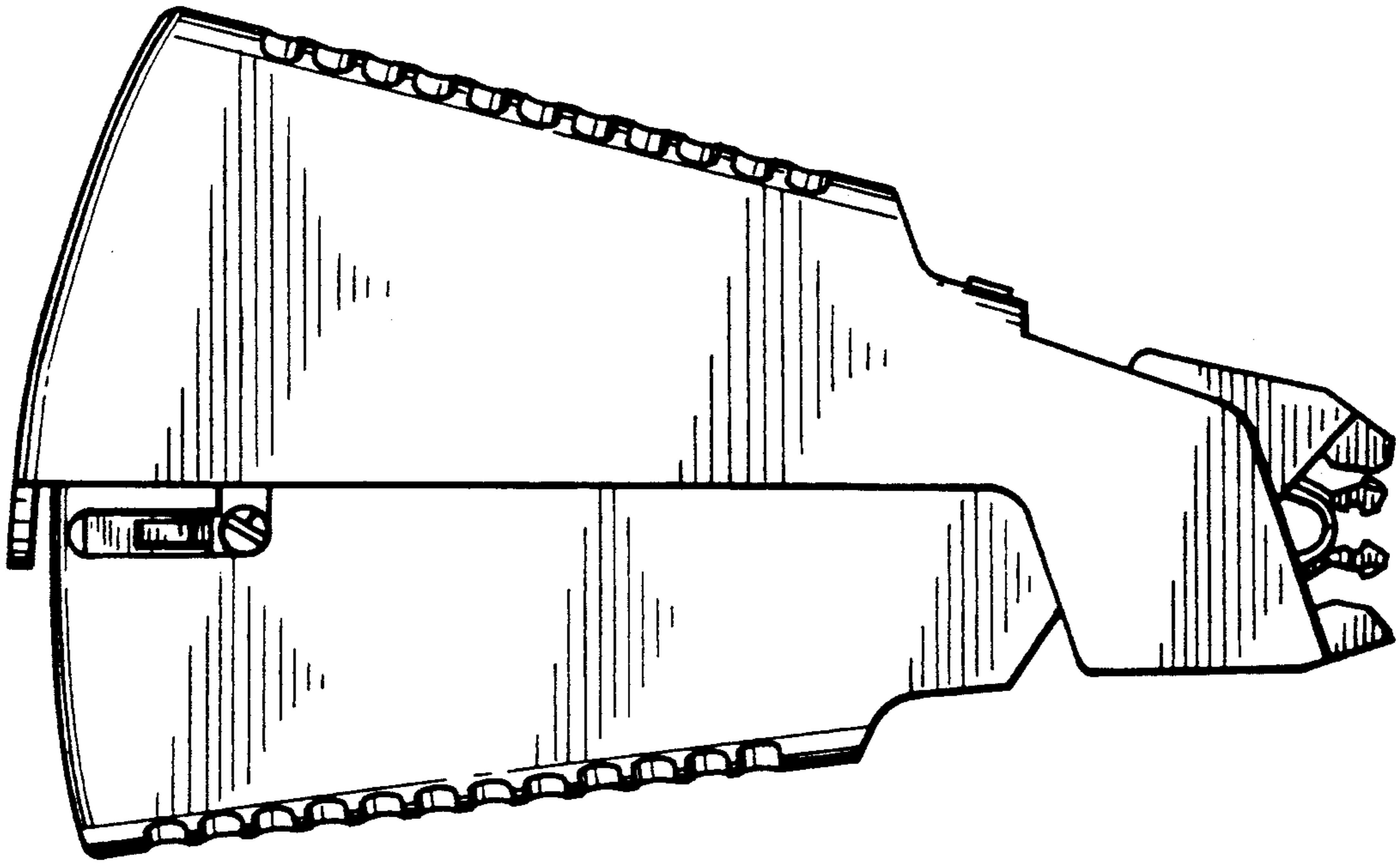


FIG. 4

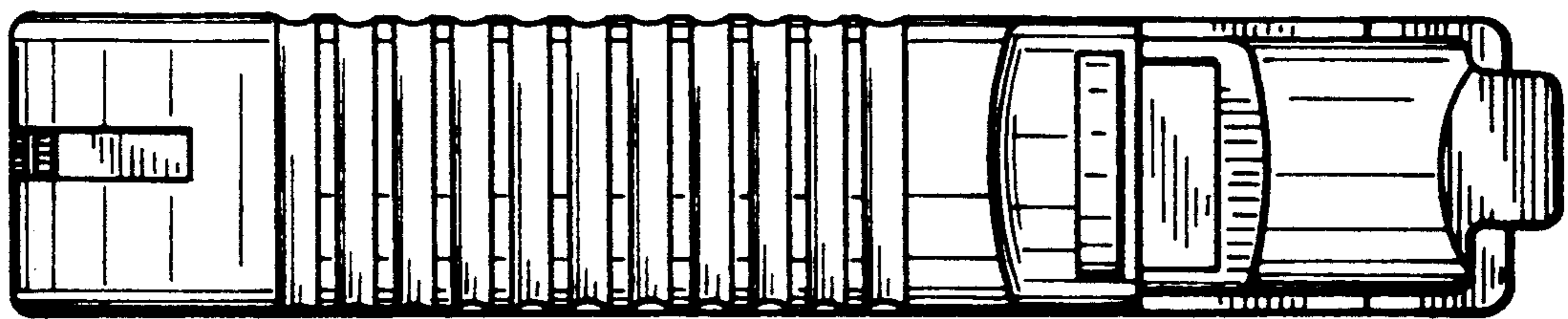


FIG. 5

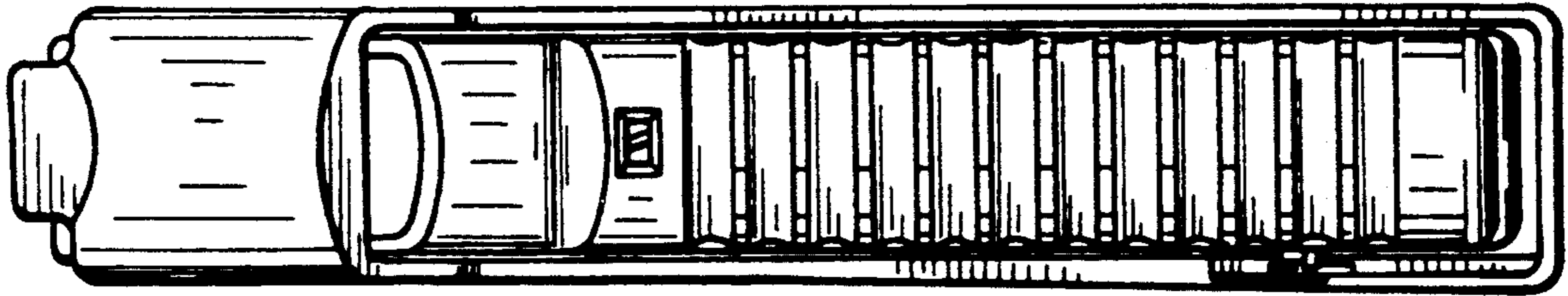


FIG. 6

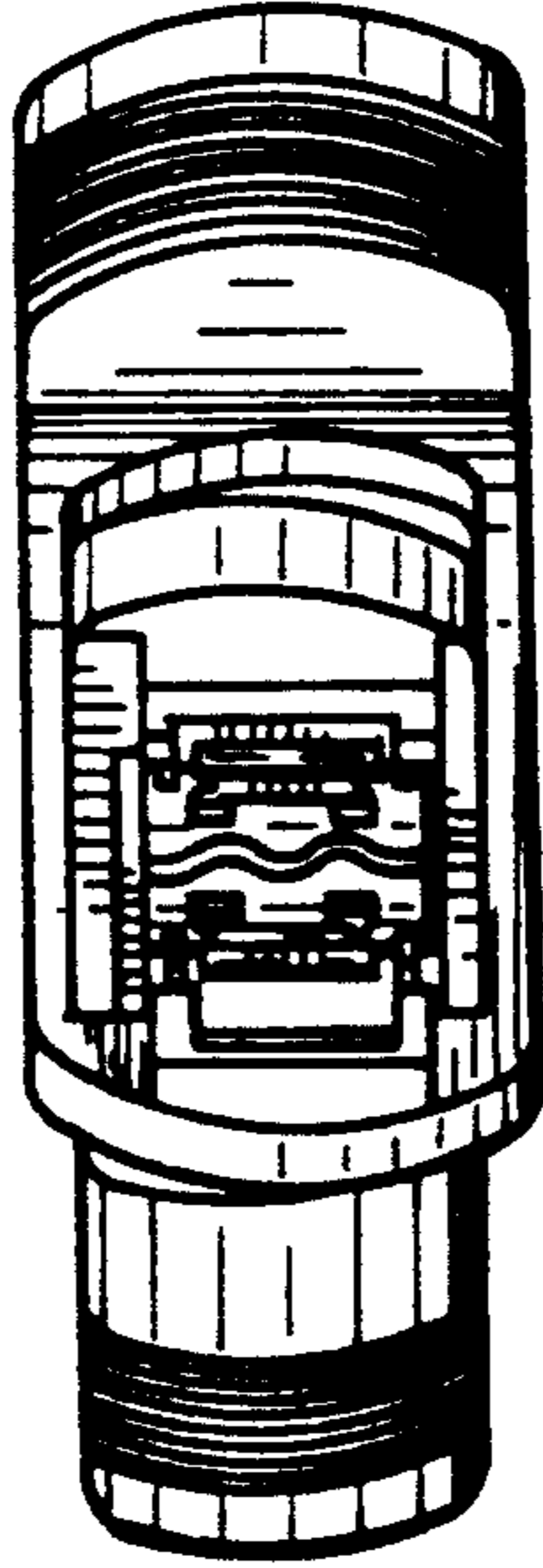


FIG. 7