



US00D325191S

United States Patent [19]

Shibano

[11] Patent Number: **Des. 325,191**

[45] Date of Patent: **** Apr. 7, 1992**

[54] MULTI-PIN PLUG

[75] Inventor: **Yasuji Shibano, Izumisano, Japan**

[73] Assignee: **Hosiden Electronics Co., Ltd., Osaka, Japan**

[*] Notice: The portion of the term of this patent subsequent to Feb. 13, 2004 has been disclaimed.

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

[21] Appl. No.: **313,256**

[22] Filed: **Feb. 21, 1989**

[30] Foreign Application Priority Data

Aug. 24, 1988 [JP]	Japan	63-33508
Aug. 24, 1988 [JP]	Japan	63-33509
Aug. 24, 1988 [JP]	Japan	63-33510

[52] U.S. Cl.: **D13/147**

[58] Field of Search **D13/146, 147; D14/256; 439/252, 350, 362, 363, 606, 607, 610, 617, 668, 676, 677, 680**

[56] References Cited

U.S. PATENT DOCUMENTS

D. 306,011	2/1990	Komatsu	D13/147
D. 311,724	10/1990	Huang	D13/146
4,684,192	8/1987	Long et al.	439/350 X
4,741,708	5/1988	Yoshida	439/483
4,810,210	3/1989	Komatsu	439/610
4,854,895	8/1989	Komatsu	439/610

FOREIGN PATENT DOCUMENTS

1465414 3/1969 Fed. Rep. of Germany 439/350

OTHER PUBLICATIONS

Apple/Macintosh PC Cables on page 49 of Global Catalog 1-88.

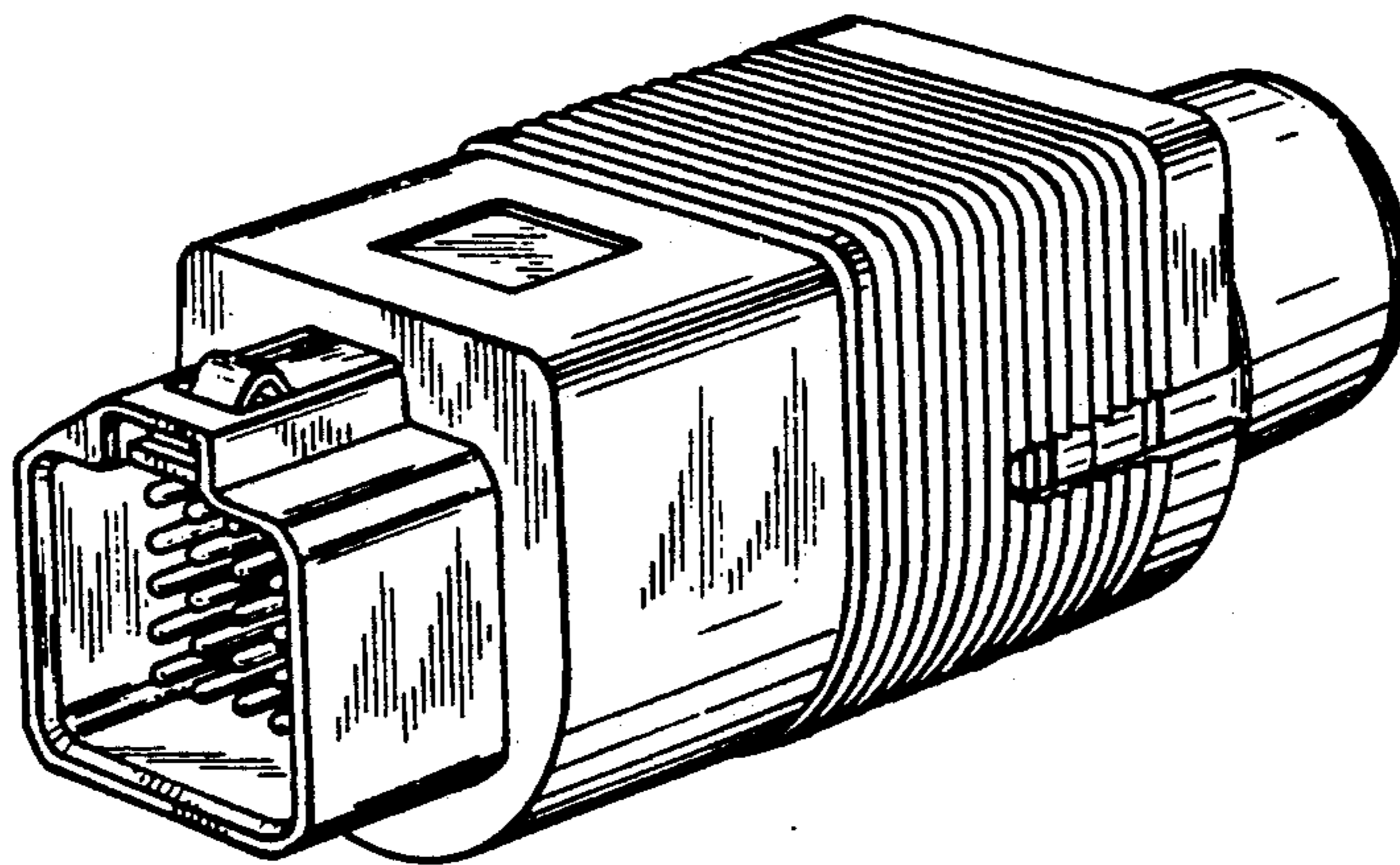
Primary Examiner—Susan J. Lucas
Assistant Examiner—J. Sincavage
Attorney, Agent, or Firm—Pollock, Vande Sande and Priddy

[57] CLAIM

The ornamental design for a multi-pin plug, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a mutli-pin plug showing my new design;
 FIG. 2 is a front elevational view thereof;
 FIG. 3 is a rear elevational view thereof;
 FIG. 4 is a right side elevational view thereof;
 FIG. 5 is a left side elevational view thereof;
 FIG. 6 is a top plan view thereof;
 FIG. 7 is a bottom plan view thereof;
 FIG. 8 is a perspective view of a multi-pin plug showing a second embodiment of my new design;
 FIG. 9 is a front elevational view thereof;
 FIG. 10 is a rear elevational view thereof;
 FIG. 11 is a right side elevational view thereof;
 FIG. 12 is a left side elevational view thereof;
 FIG. 13 is a top plan view thereof;
 FIG. 14 is a bottom plan view thereof;
 FIG. 15 is a perspective view of a multi-pin plug showing a third embodiment of my new design;
 FIG. 16 is a front elevational view thereof;
 FIG. 17 is a rear elevational view thereof;
 FIG. 18 is a right side elevational view thereof;
 FIG. 19 is a left side elevational view thereof;
 FIG. 20 is a top plan view thereof; and,
 FIG. 21 is a bottom plan view thereof.



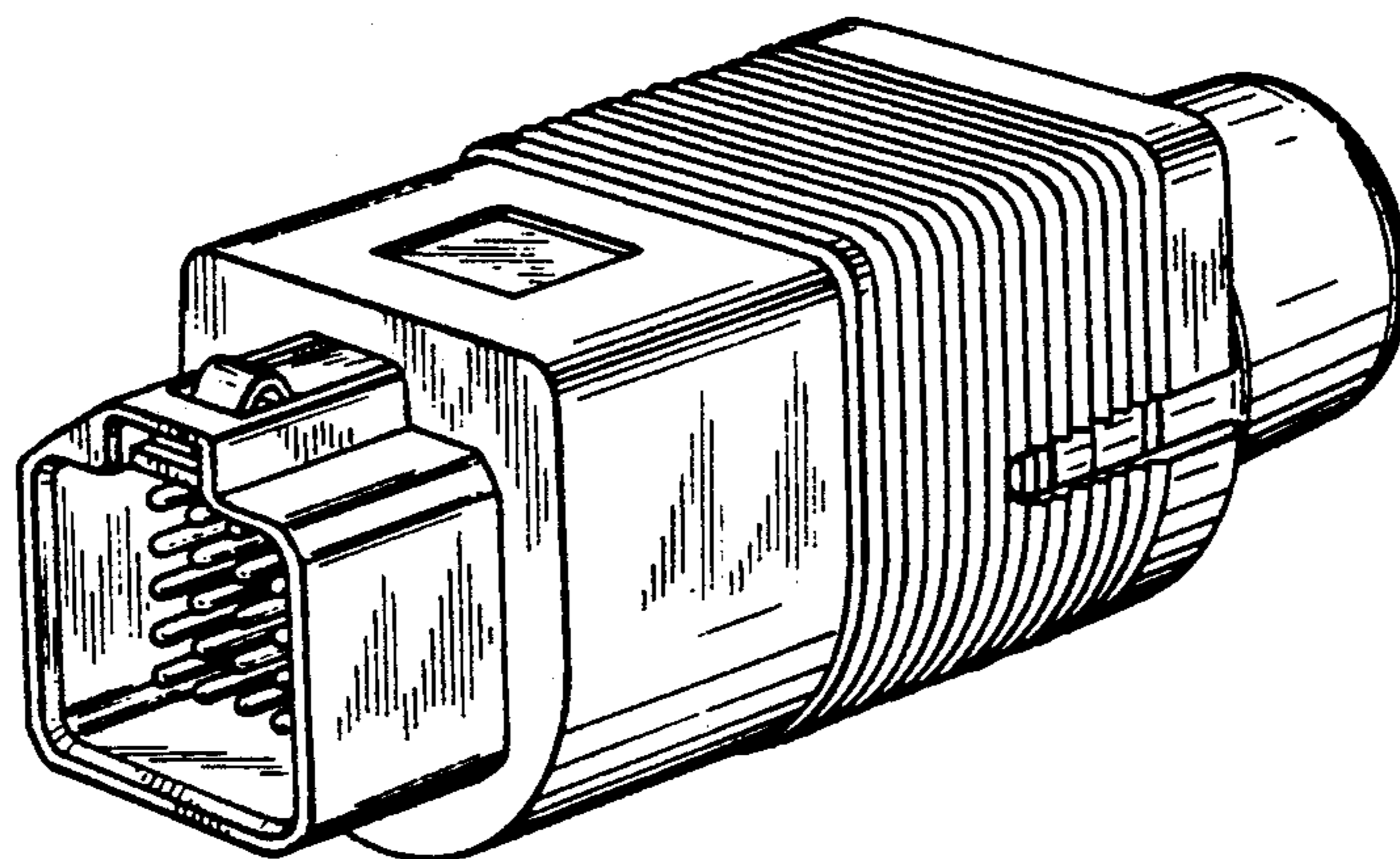


FIG. 1

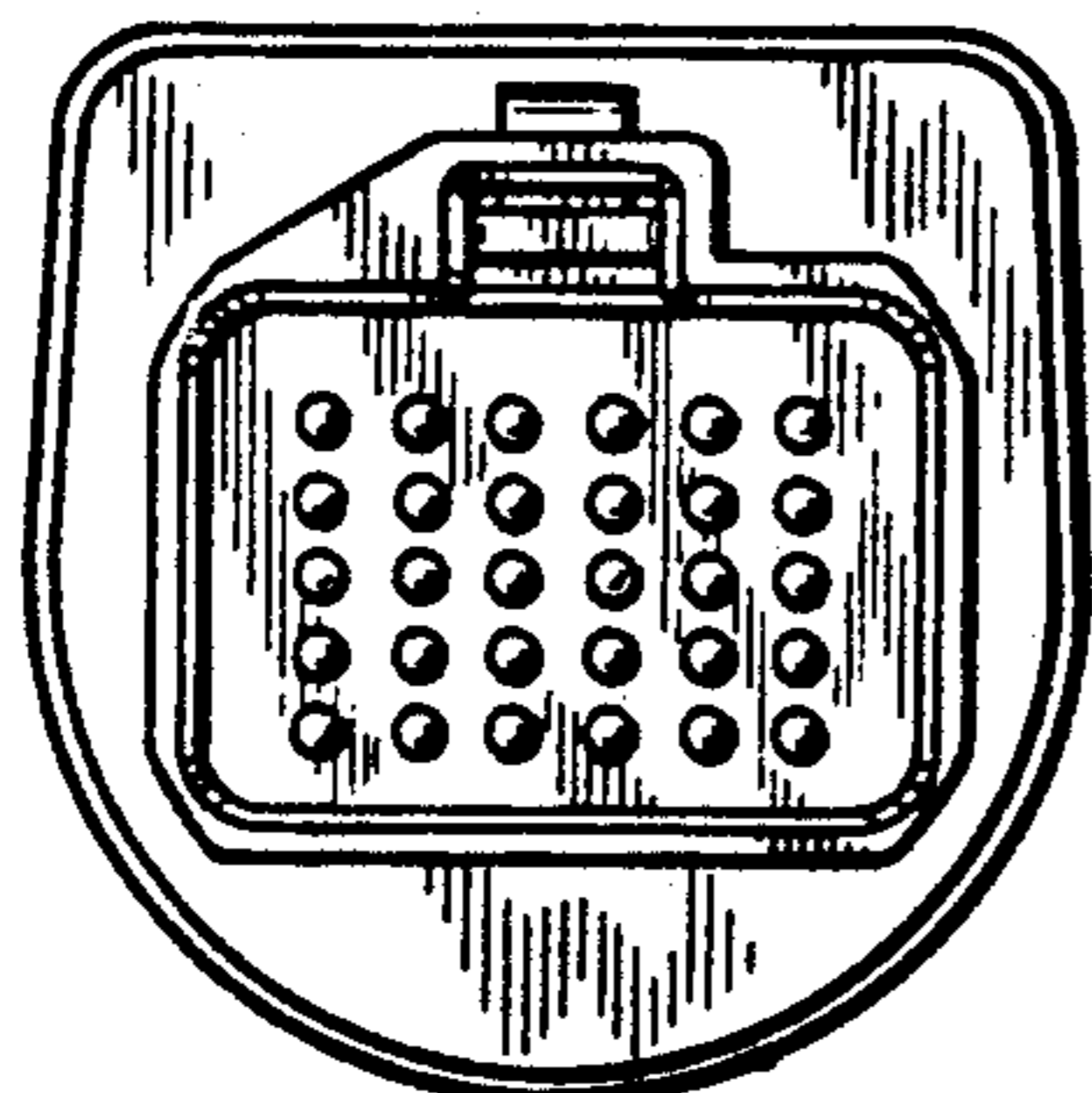


FIG. 2

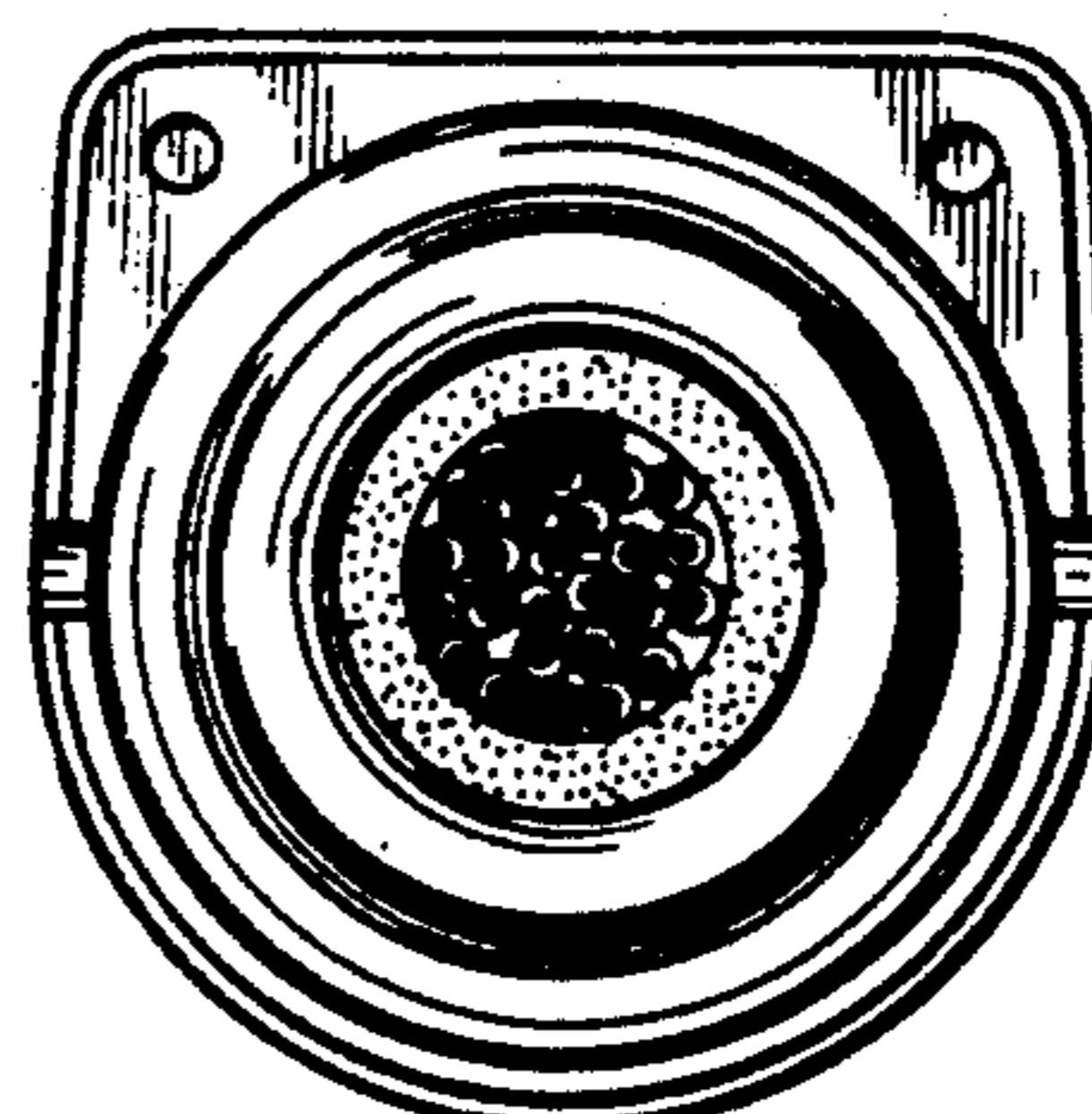


FIG. 3

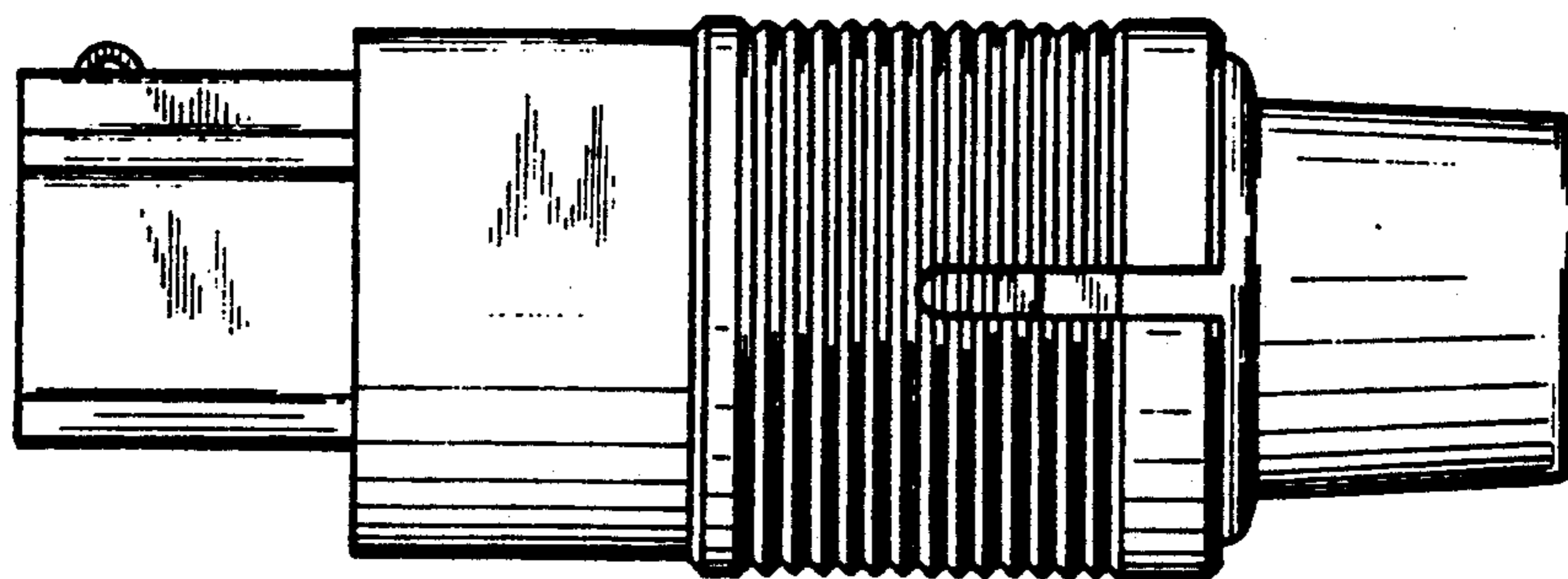


FIG. 4

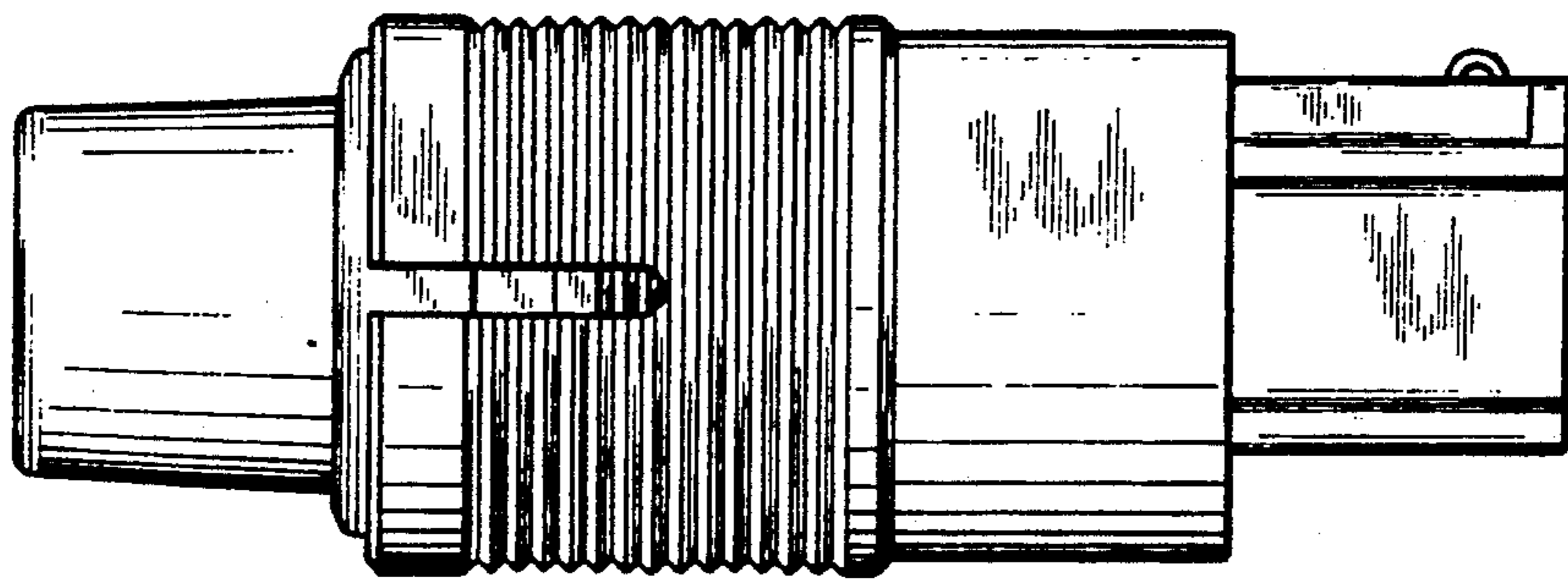


FIG. 5

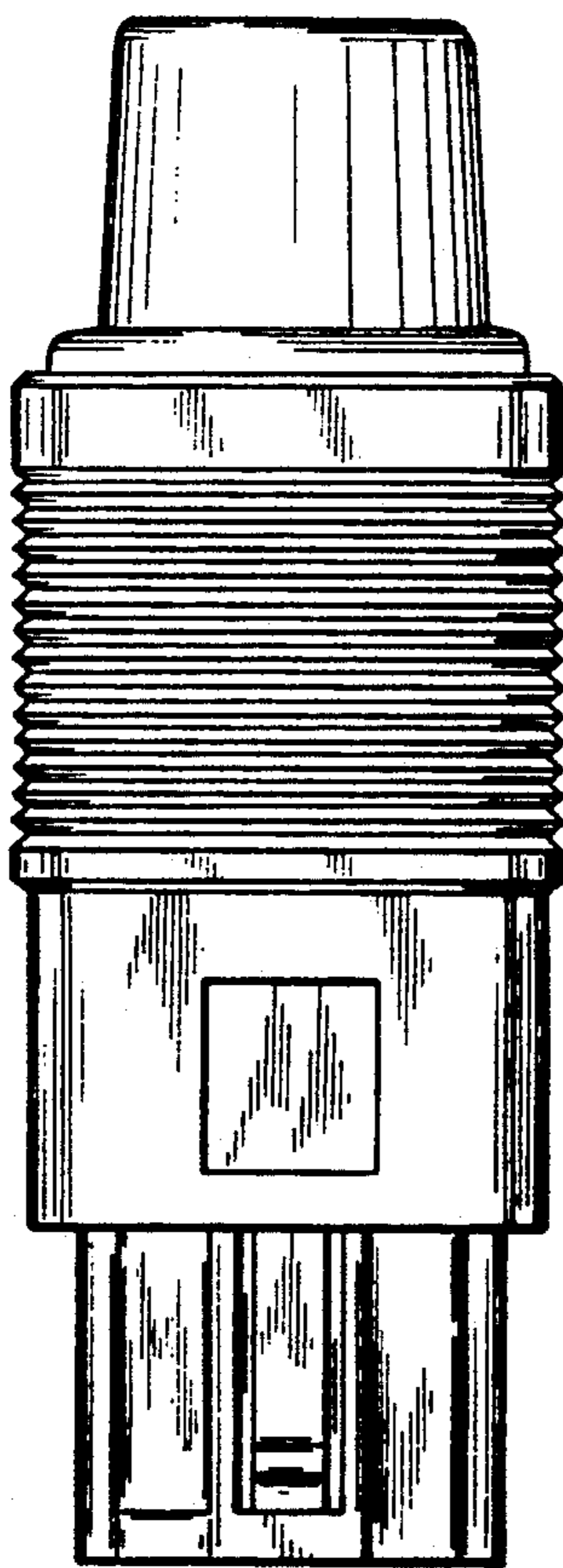


FIG. 6

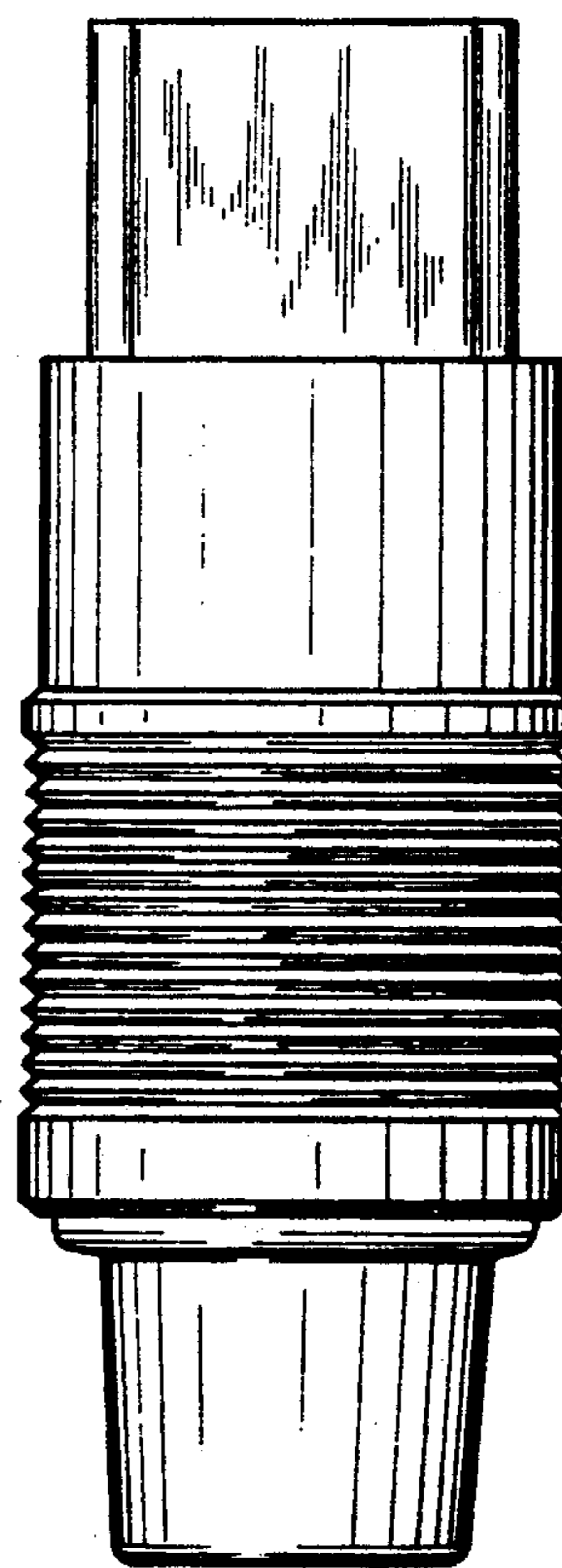


FIG. 7

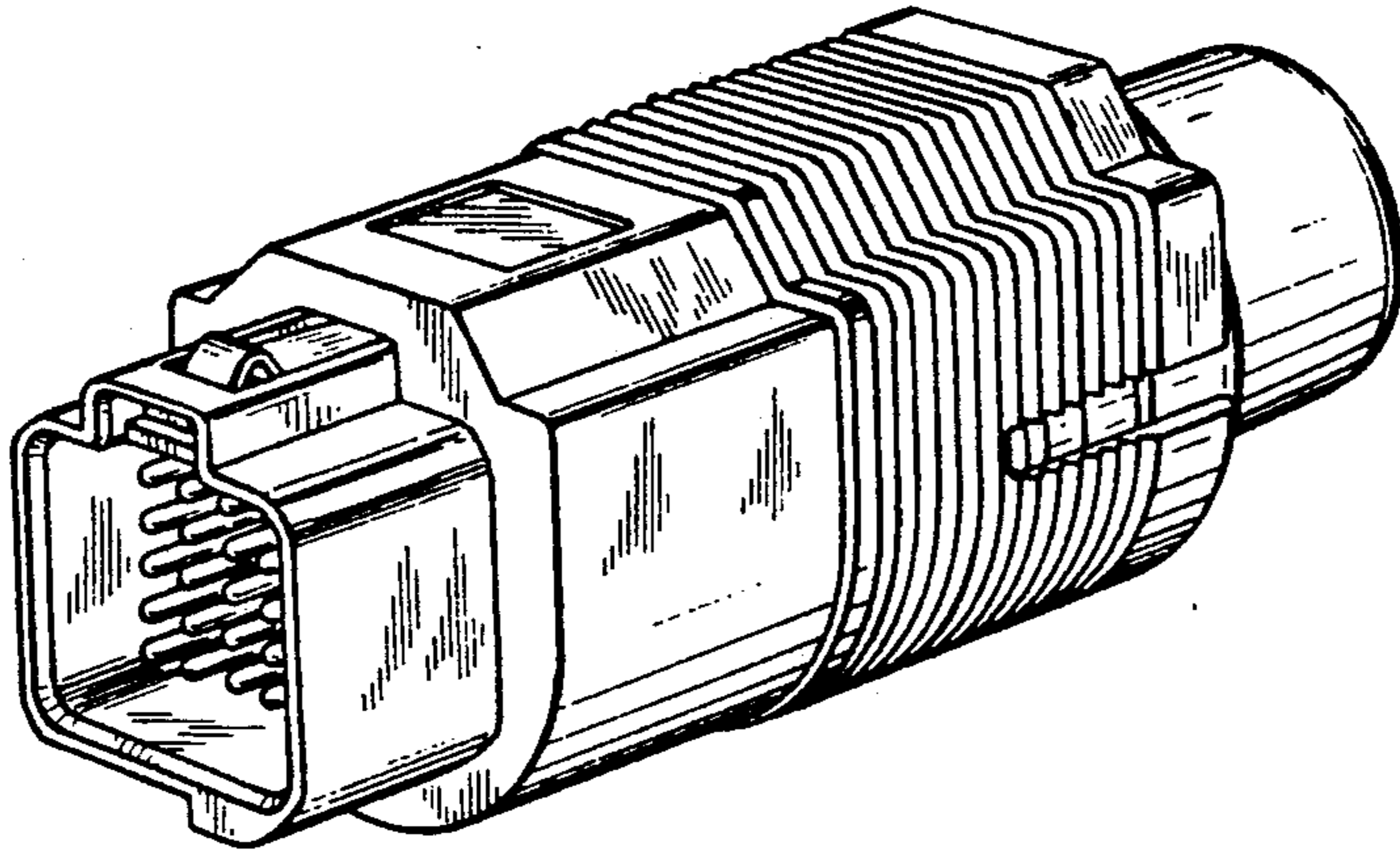


FIG. 8

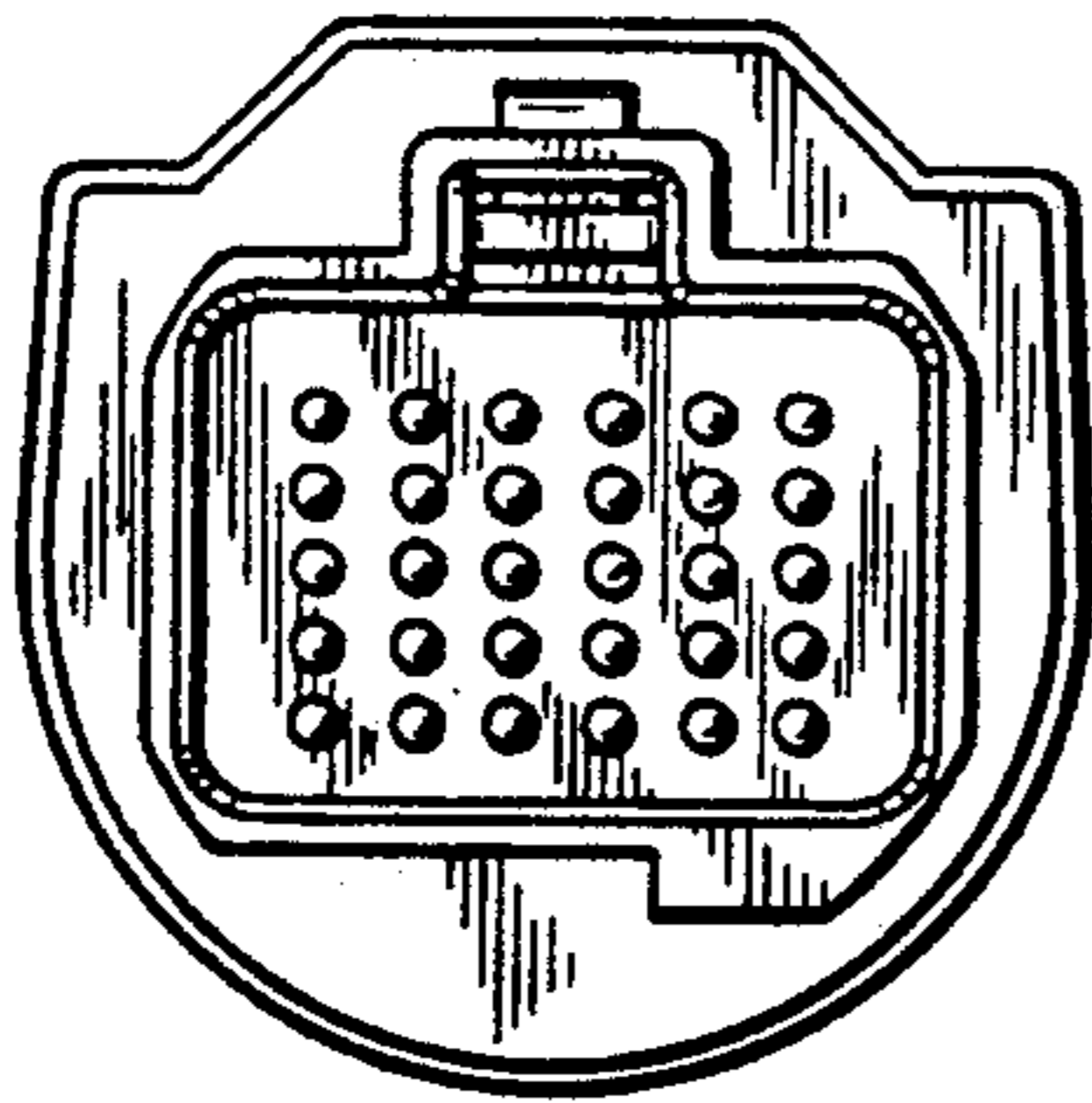


FIG. 9

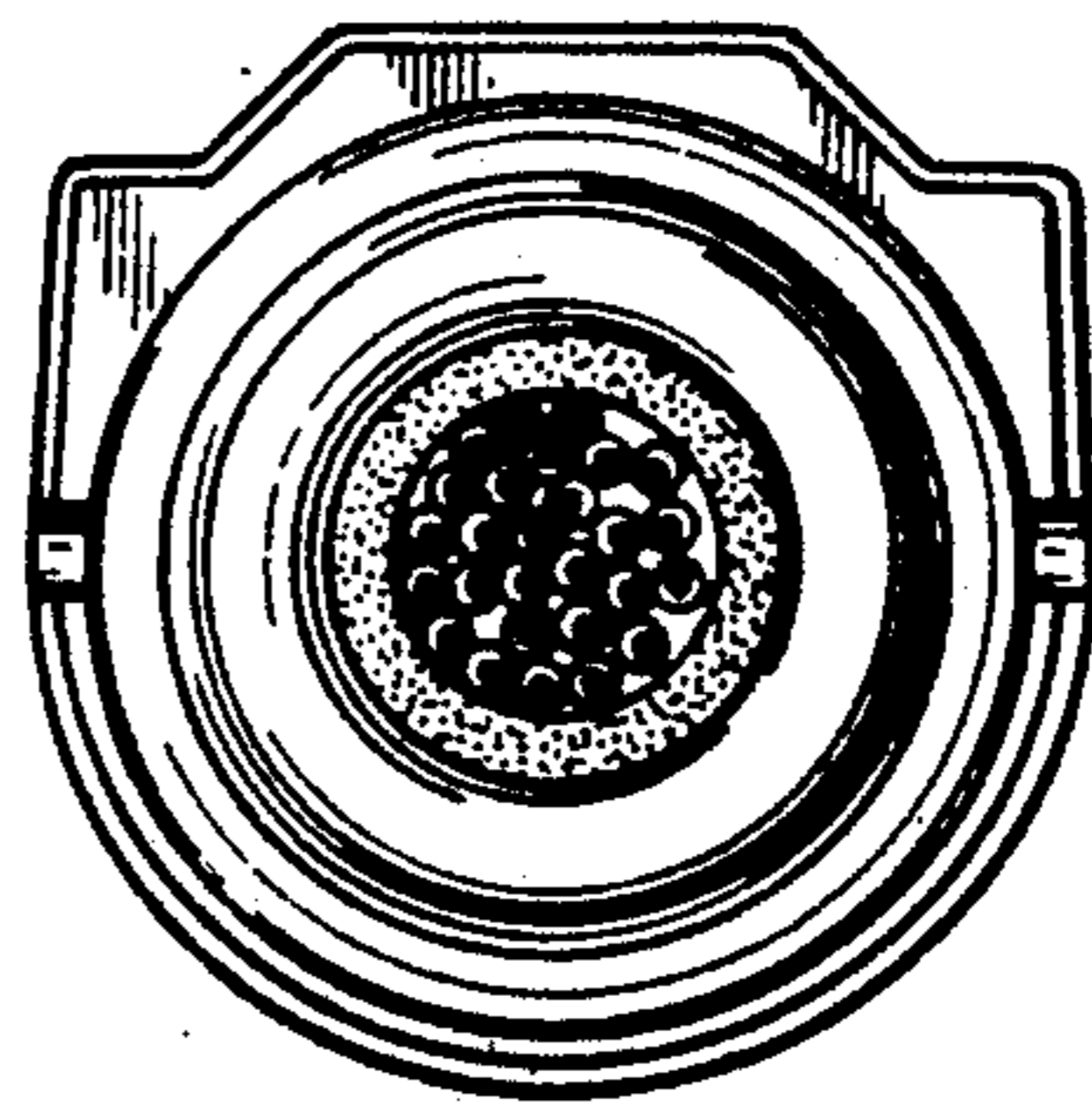


FIG. 10

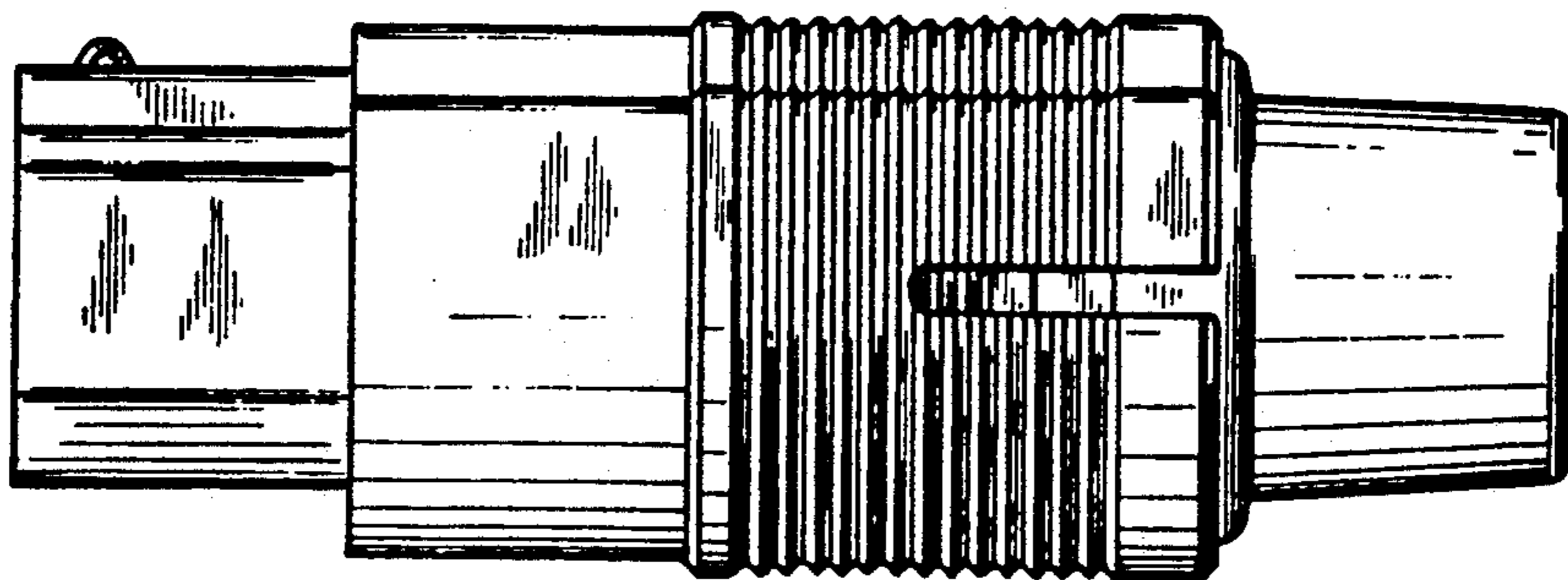


FIG. 11

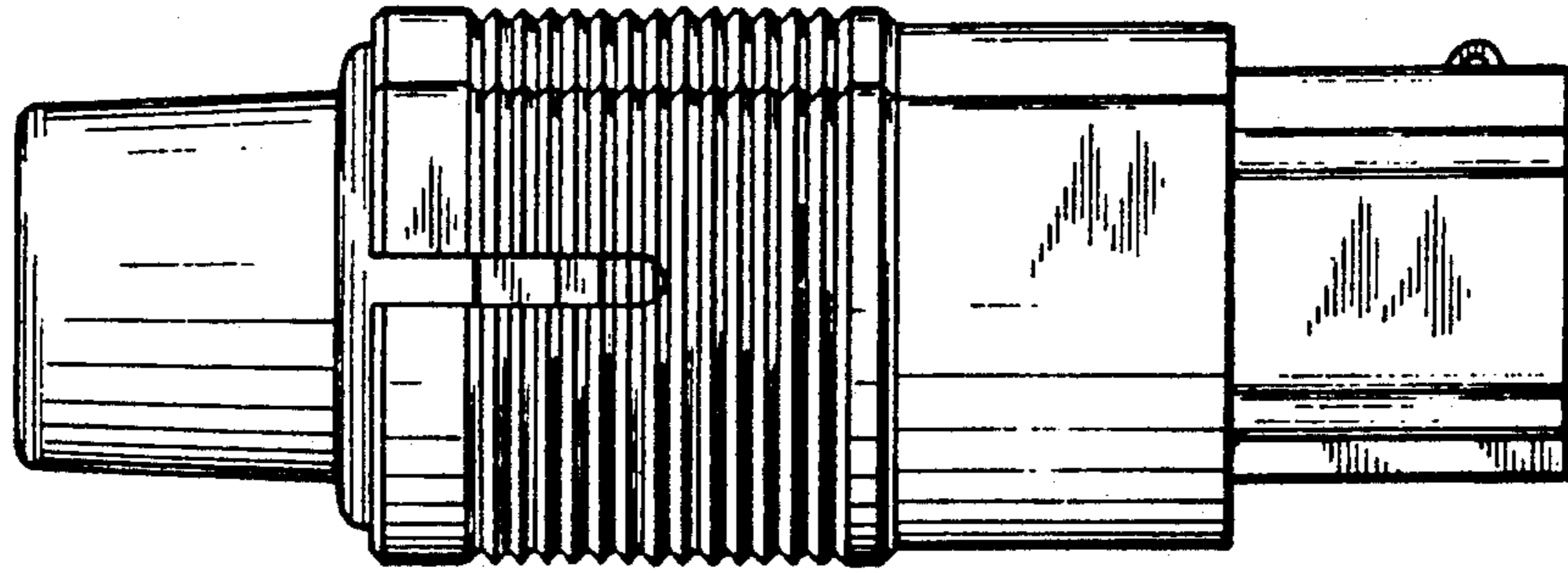


FIG. 12

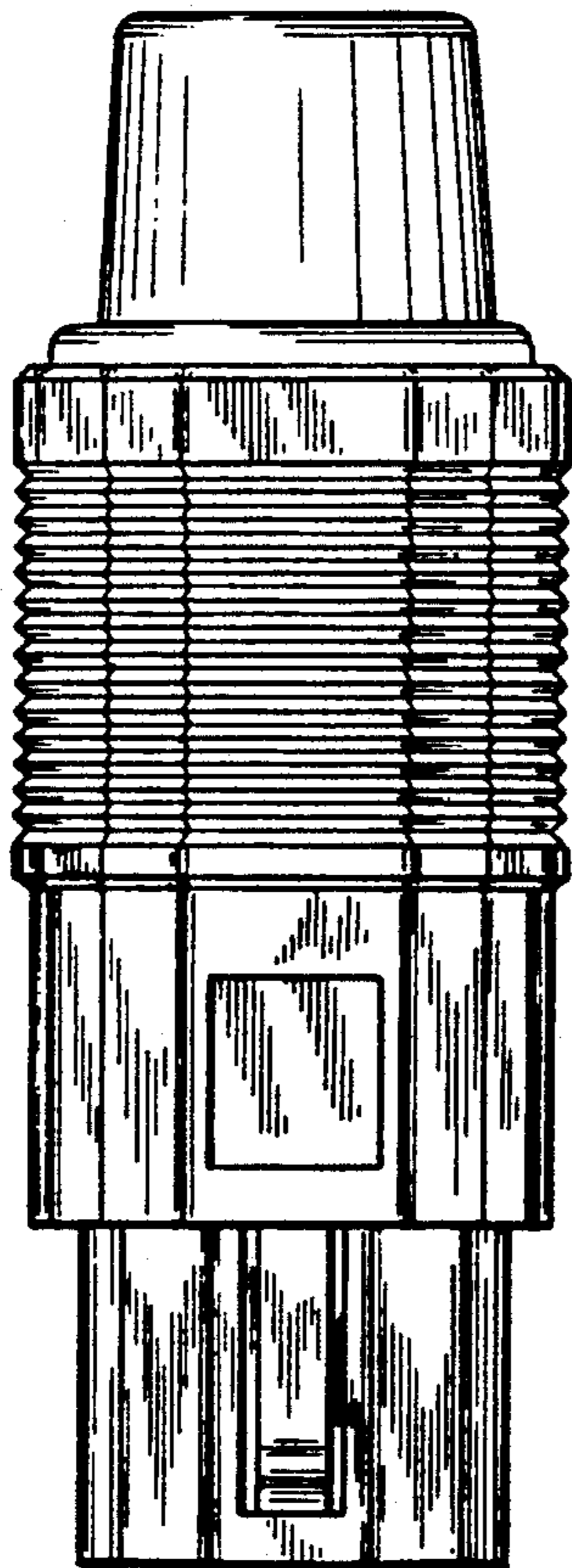


FIG. 13

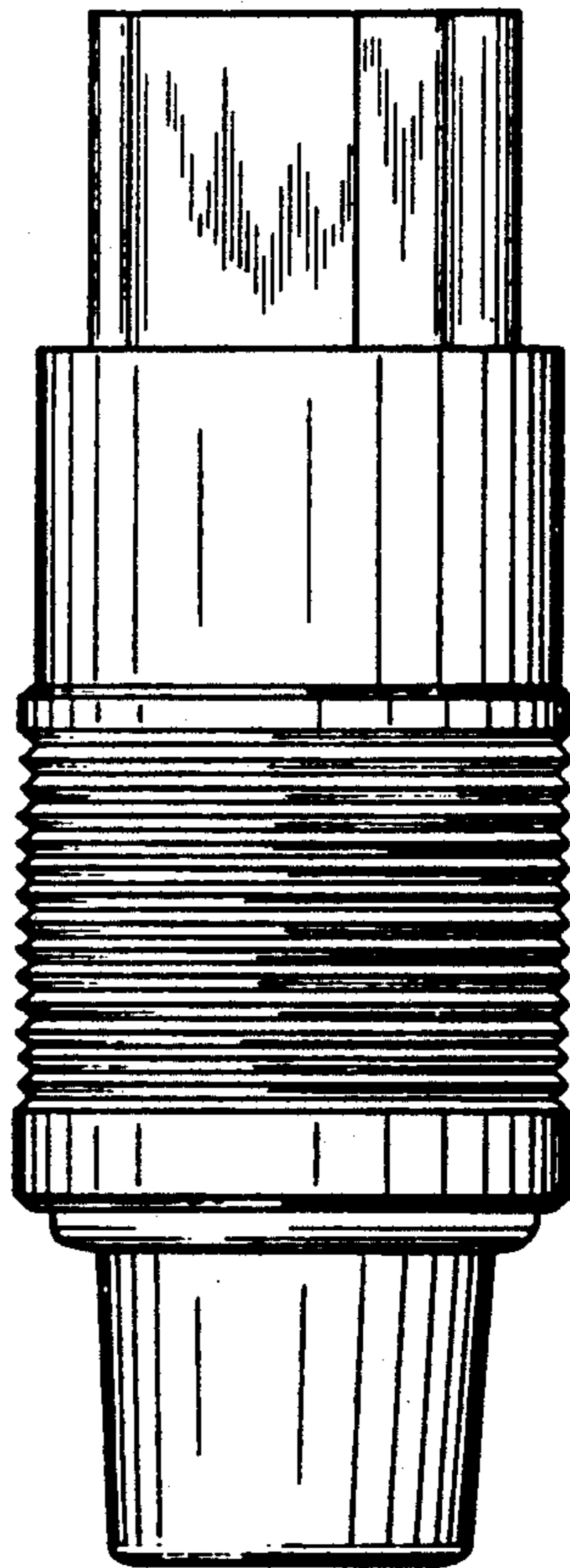


FIG. 14

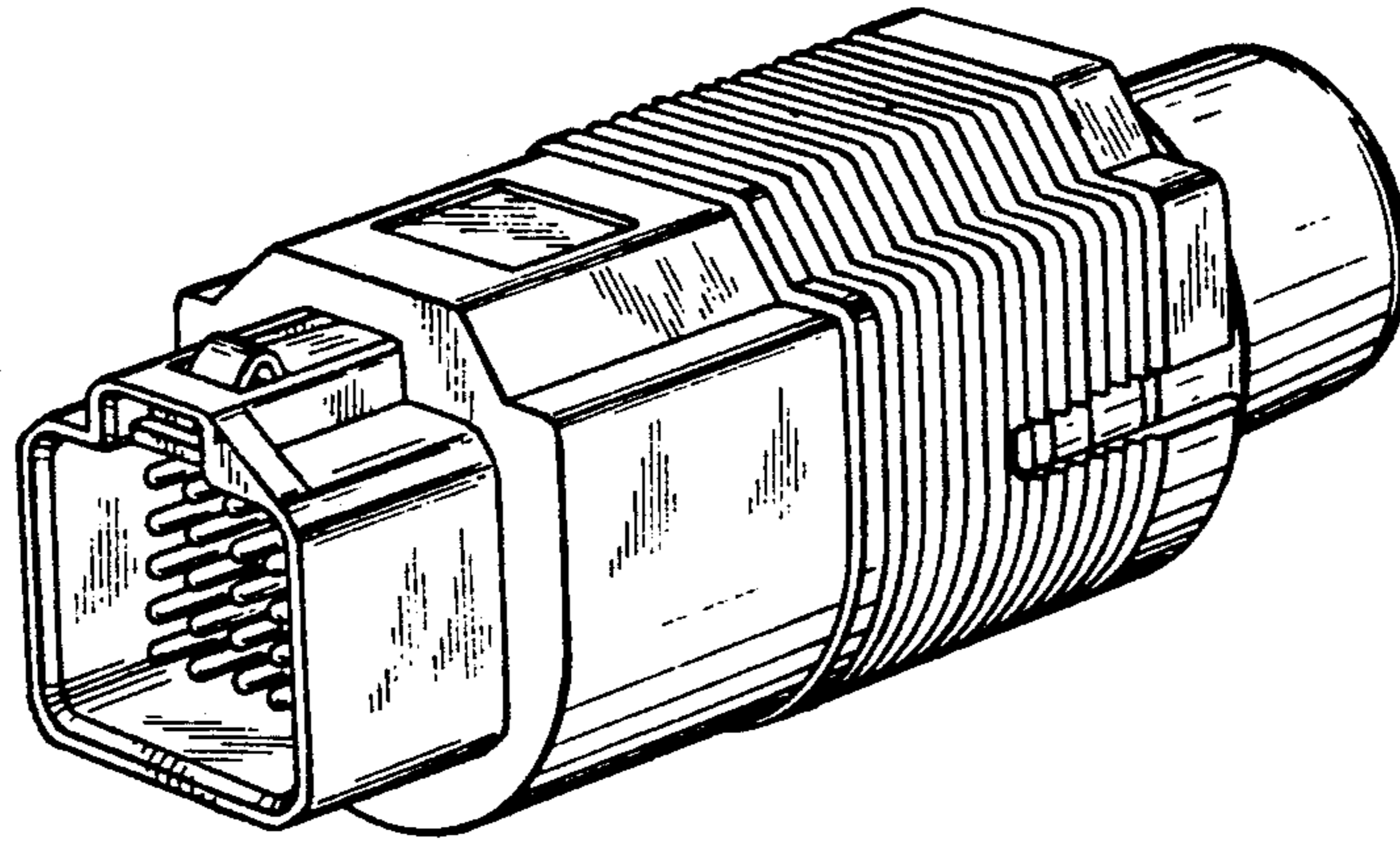


FIG. 15

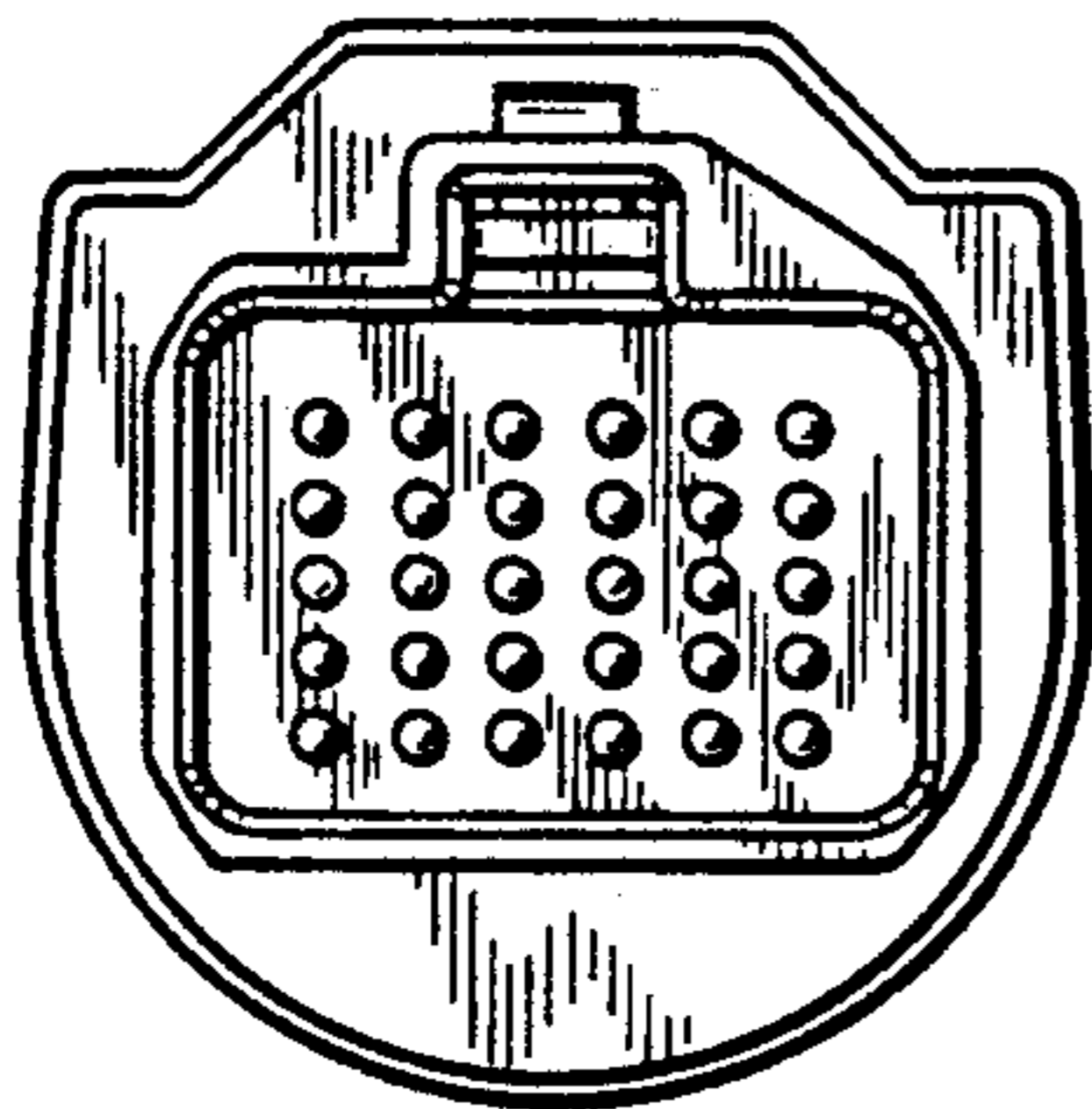


FIG. 16

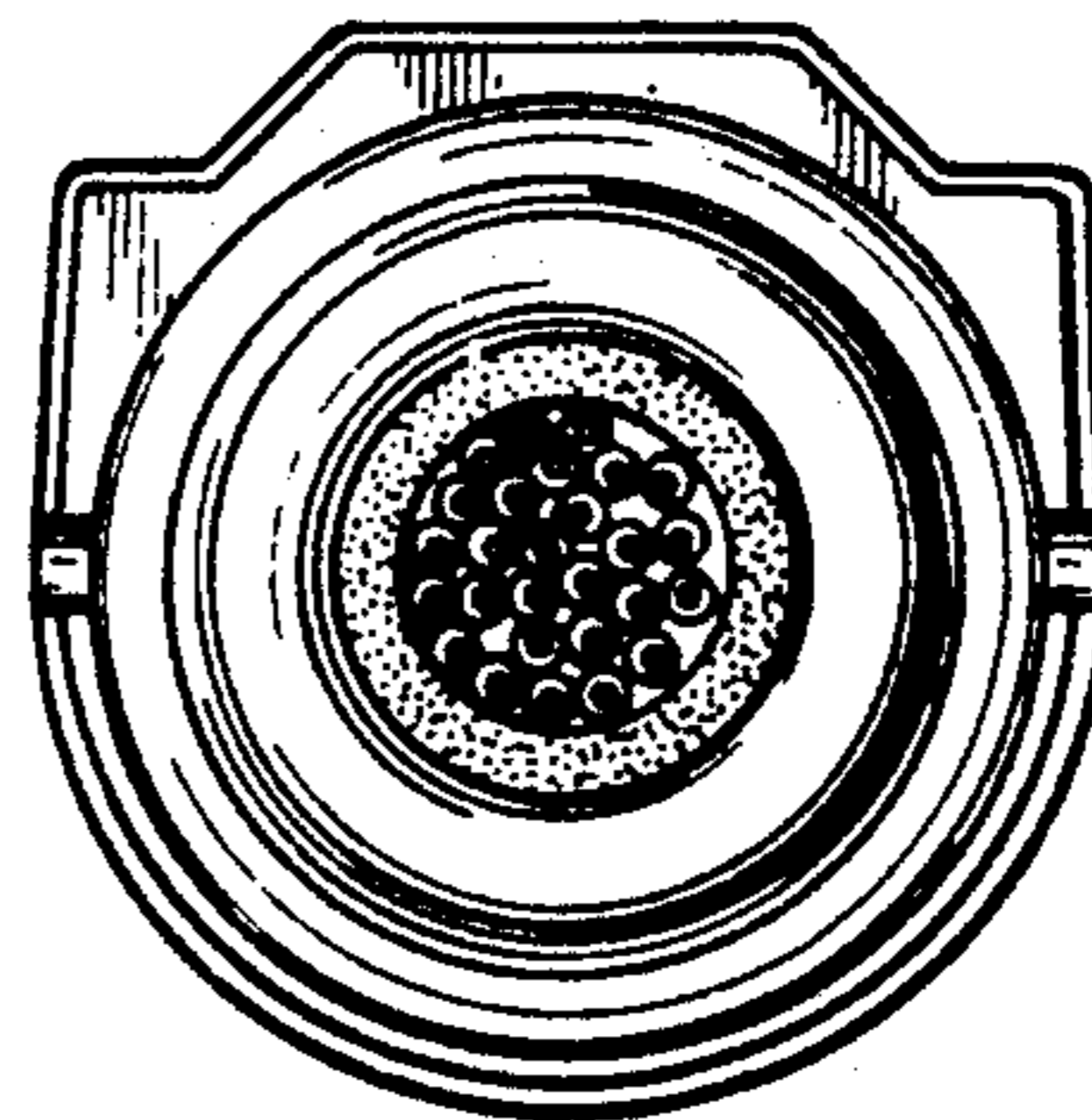


FIG. 17

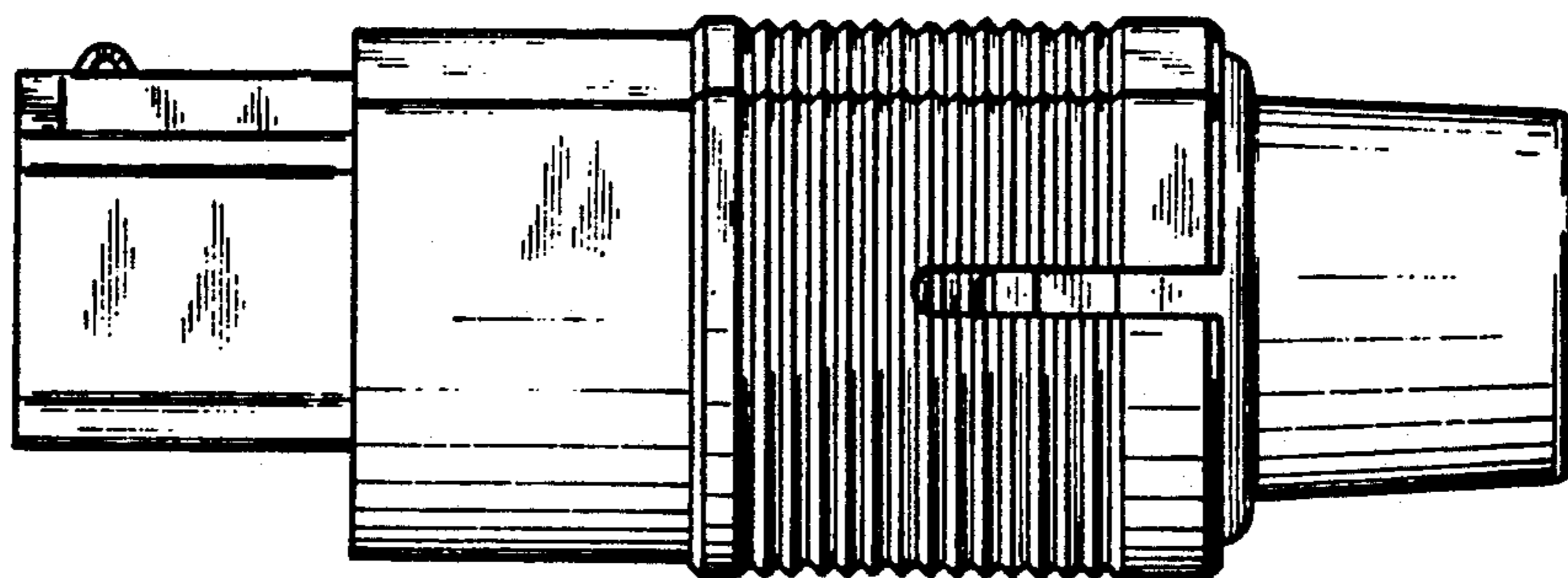


FIG. 18

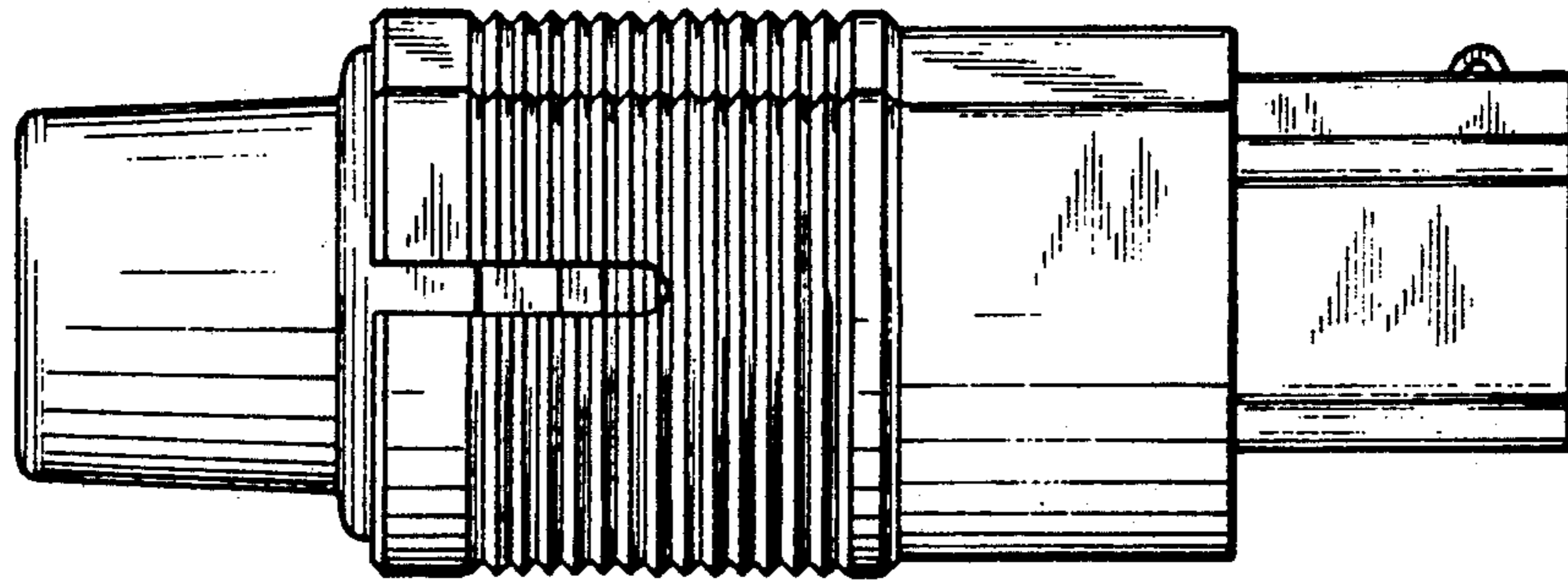


FIG. 19

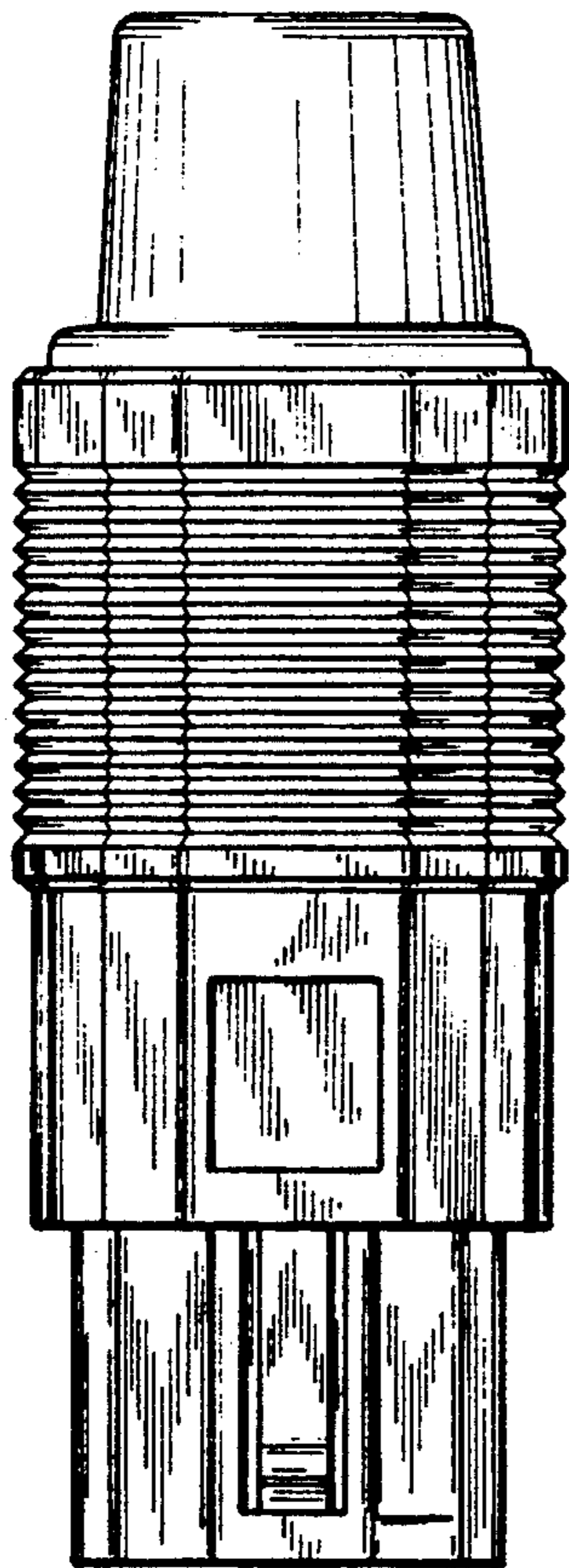


FIG. 20

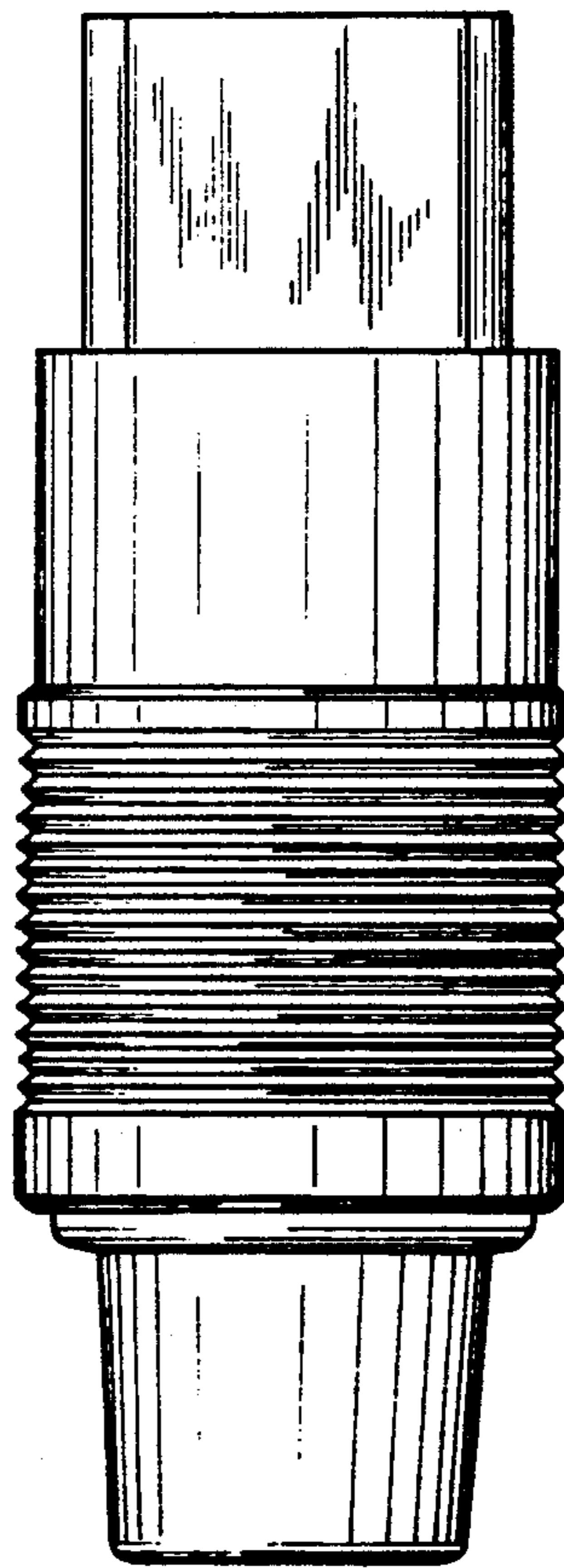


FIG. 21