



US00D712073S

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

(10) **Patent No.:** **US D712,073 S**

(45) **Date of Patent:** **** Aug. 26, 2014**

(54) **LED LIGHTING LAMP**

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(73) Assignee: **Kyocera Corporation**, Kyoto (JP)

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

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(30) **Foreign Application Priority Data**

Dec. 27, 2011	(JP)	2011-030392
Dec. 27, 2011	(JP)	2011-030393
Dec. 27, 2011	(JP)	2011-030394

(51) **LOC (10) Cl.** **26-04**

(52) **U.S. Cl.**
USPC **D26/2**

(58) **Field of Classification Search**
USPC D26/1-4; 313/313, 315, 316, 317, 318,
313/493; 315/52, 53, 56, 57, 58
See application file for complete search history.

(56) **References Cited**

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Primary Examiner — Marcus Jackson

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(57) **CLAIM**

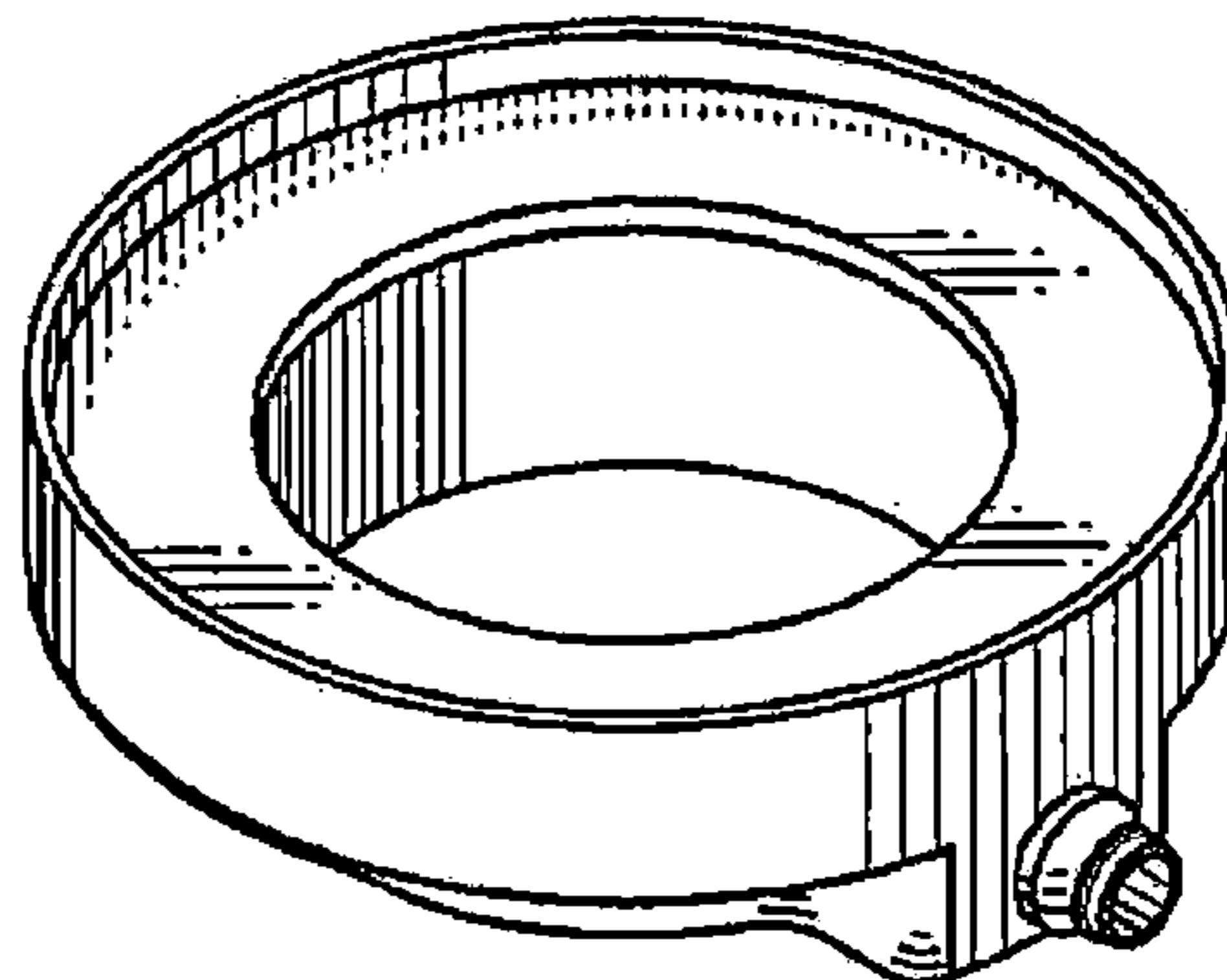
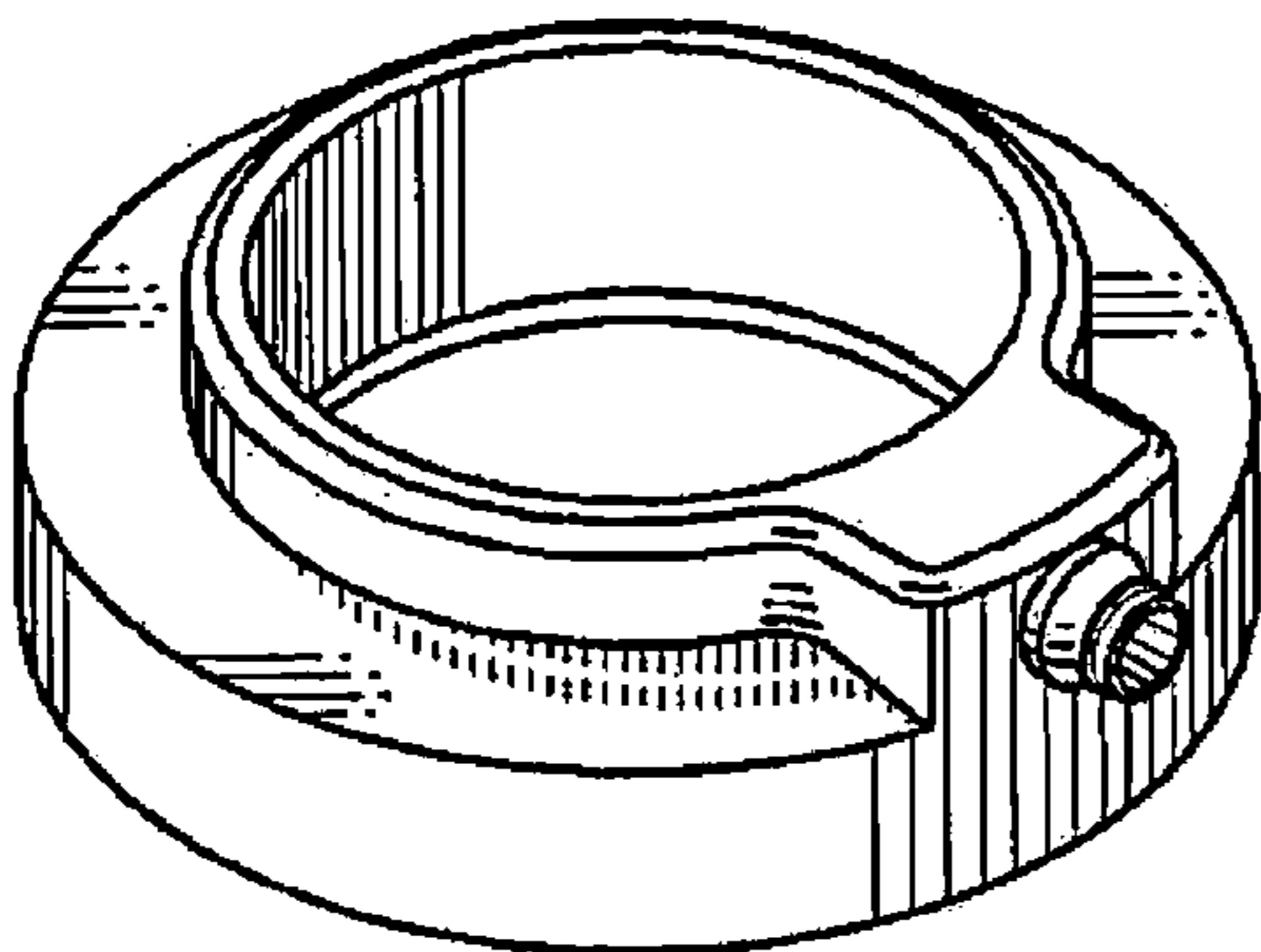
The ornamental designs for the LED lighting lamp, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a first embodiment of an LED lighting lamp;

FIG. 2 is a rear view thereof;
 FIG. 3 is a left side view thereof;
 FIG. 4 is a right side view thereof;
 FIG. 5 is a top plan view thereof;
 FIG. 6 is a bottom plan view thereof;
 FIG. 7 is a sectional view taken along line 7-7 in FIG. 1, wherein inner portions are shown in the claimed design;
 FIG. 8 is a sectional view taken along line 7-7 in FIG. 1 thereof;
 FIG. 9 is a perspective view showing a rear side thereof;
 FIG. 10 is a perspective view showing a front side thereof;
 FIG. 11 is a front view of a second embodiment of an LED lighting lamp;
 FIG. 12 is a rear view thereof;
 FIG. 13 is a left side view thereof;
 FIG. 14 is a right side view thereof;
 FIG. 15 is a top plan view thereof;
 FIG. 16 is a bottom plan view thereof;
 FIG. 17 is a sectional view taken along line 17-17 in FIG. 11, wherein inner portions are shown in the claimed design;
 FIG. 18 is a sectional view taken along line 17-17 in FIG. 11 thereof;
 FIG. 19 is a perspective view showing a rear side thereof;
 FIG. 20 is a perspective view showing a front side thereof;
 FIG. 21 is a front view of a third embodiment of an LED lighting lamp;
 FIG. 22 is a rear view thereof;
 FIG. 23 is a left side view thereof;
 FIG. 24 is a right side view thereof;
 FIG. 25 is a top plan view thereof;
 FIG. 26 is a bottom plan view thereof;
 FIG. 27 is a sectional view taken along line 27-27 in FIG. 21, wherein inner portions are shown in the claimed design;
 FIG. 28 is a sectional view taken along line 27-27 in FIG. 21 thereof;
 FIG. 29 is a perspective view showing a rear side thereof;
 FIG. 30 is a perspective view showing a front side thereof;
 and,
 FIG. 31 is another front view of the third embodiment of the LED lighting lamp.

The LED lighting lamp comprises: a housing; a reflecting body which is disposed in the housing and provided with a plurality of holes, wherein internal surfaces of the holes serves as reflecting surfaces; a plurality of light-emitting



diodes which are disposed in the housing, wherein, when viewed from above, each of the light-emitting diodes is located at a position which is outwardly displaced from a center of the each of the holes; and a covering body which covers the reflecting body.

The front view in FIG. **21** is drawn in the condition that, although a reflecting body and light-emitting diodes are viewed through a transparent cover body, distortion of images of the reflecting body and the light-emitting diodes viewed through the transparent cover body due to refraction of light is ignored.

The front view in FIG. **31** is drawn in the condition that the reflecting body and the light-emitting diodes are viewed through the transparent cover body, and distortion of images of the reflecting body and the light-emitting diodes viewed through the transparent cover body due to refraction of light therethrough is considered.

1 Claim, 16 Drawing Sheets

FIG. 1

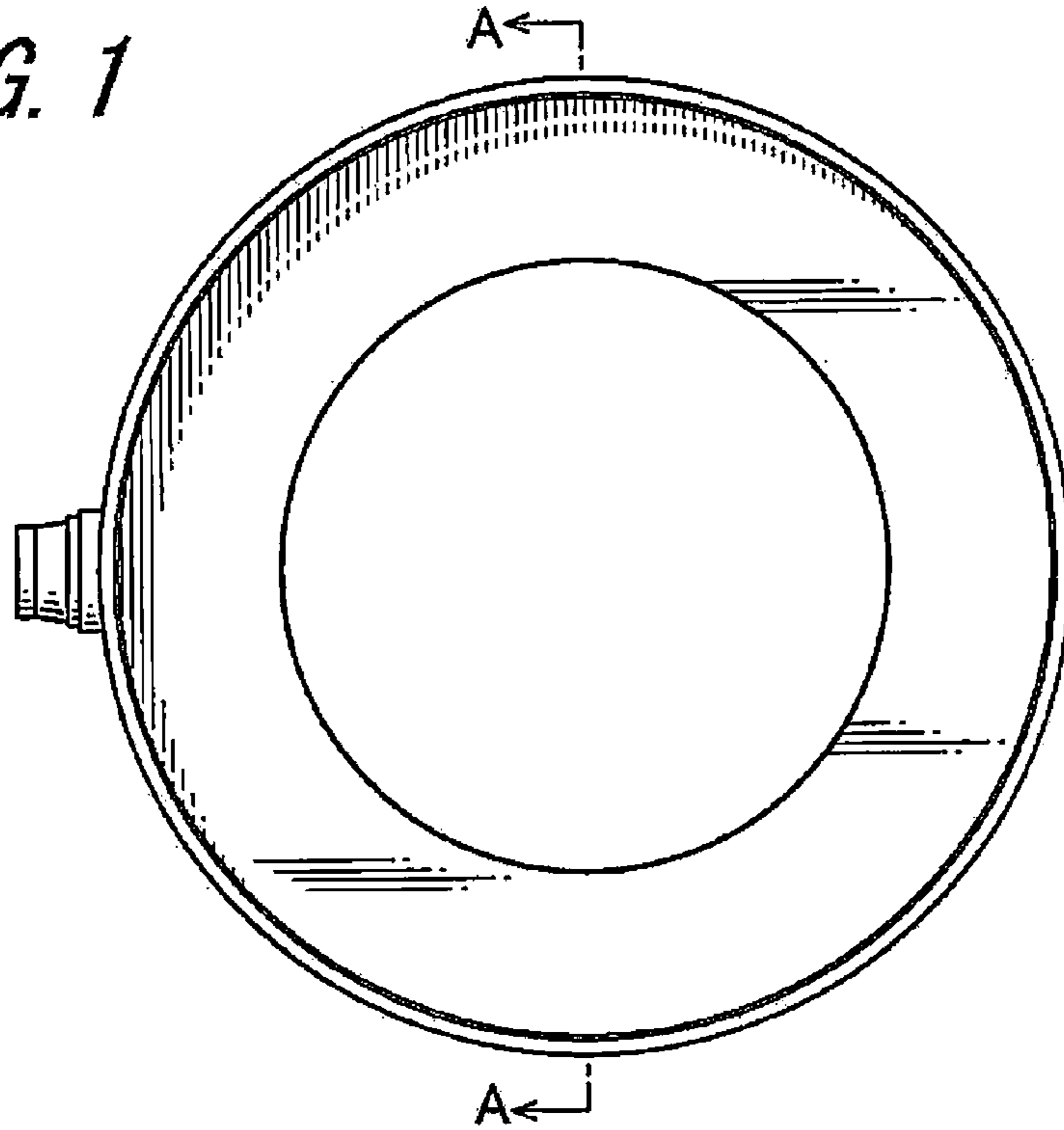


FIG. 2

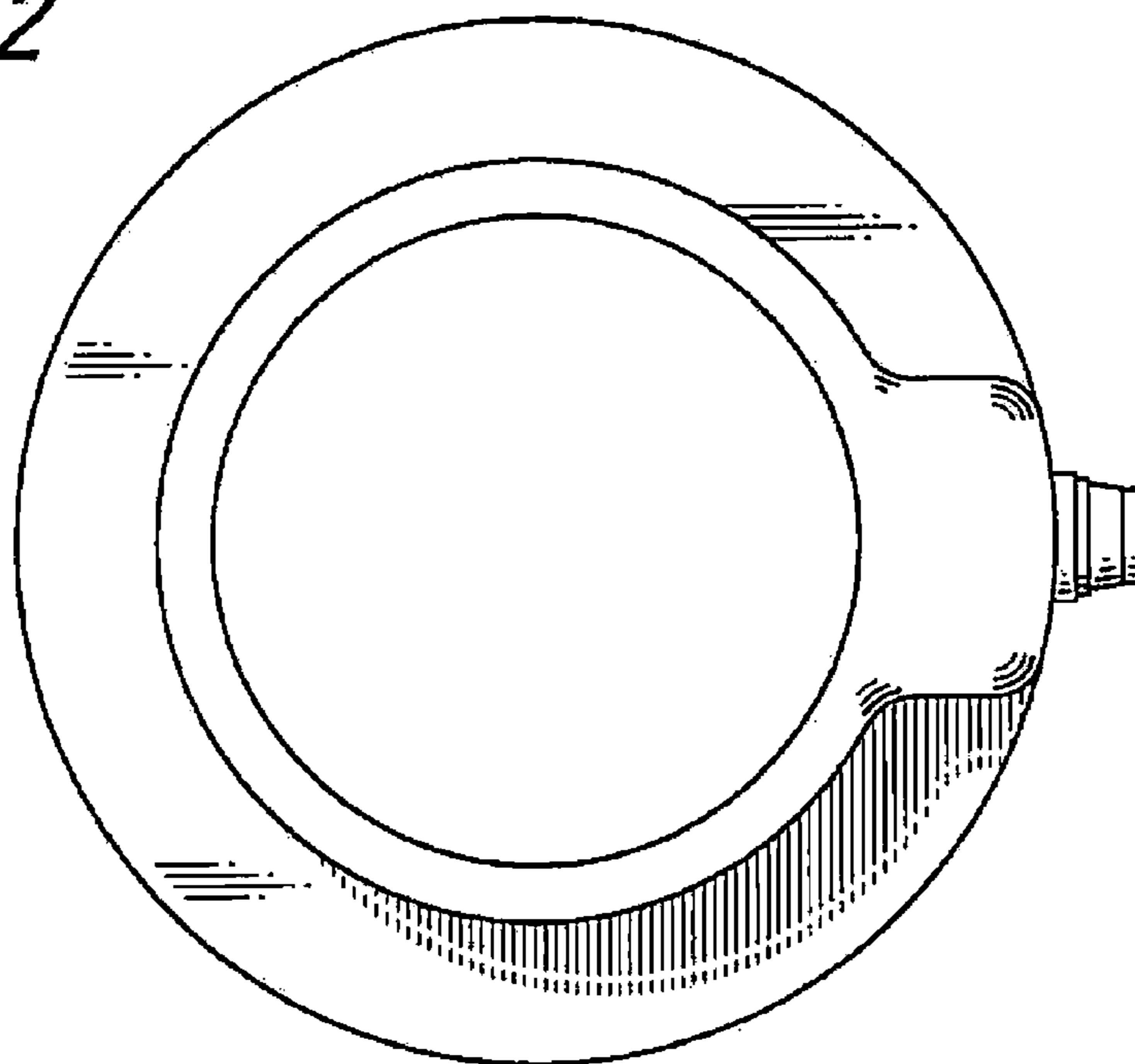


FIG. 3

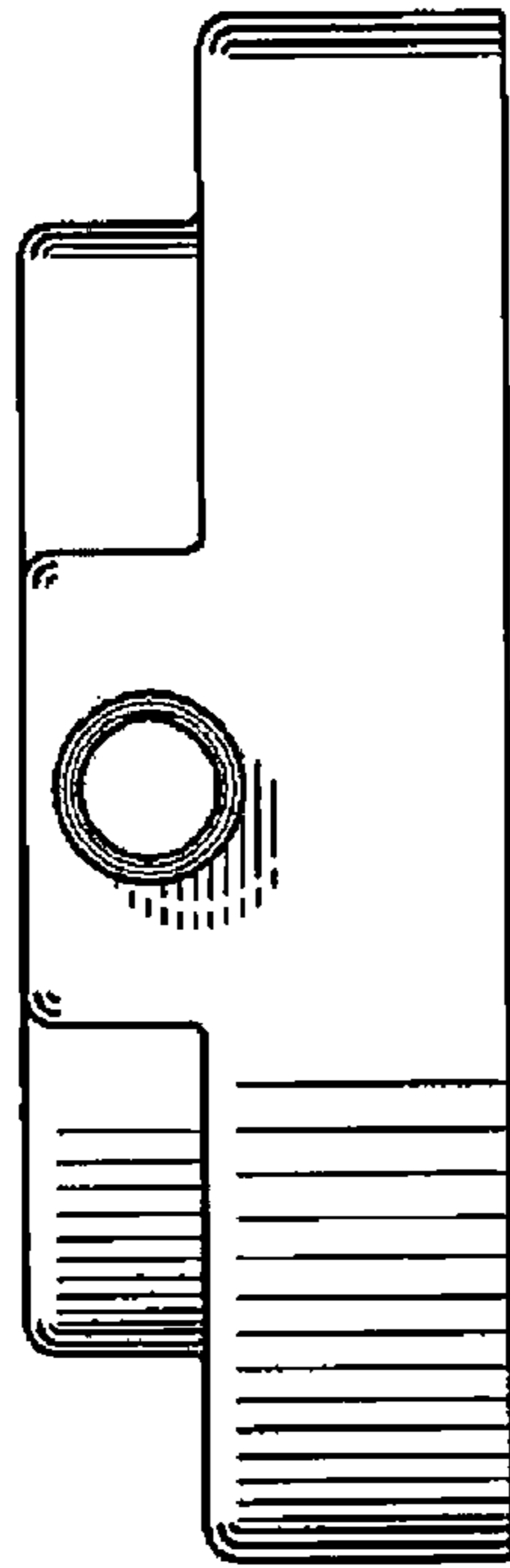


FIG. 4

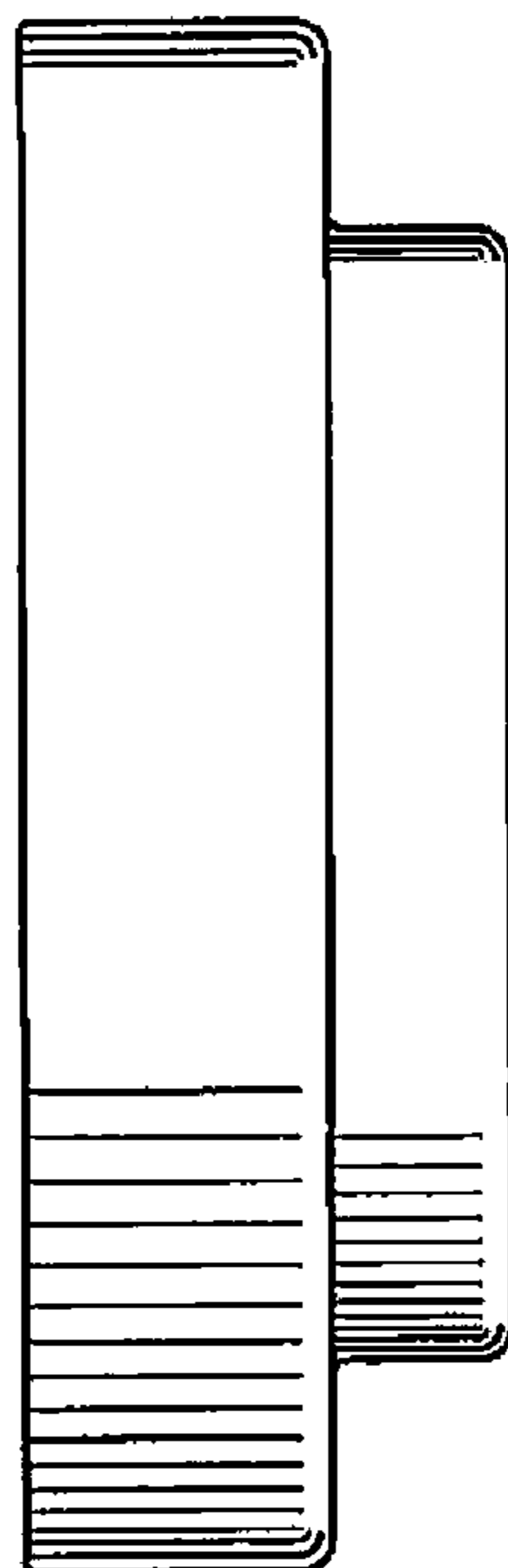


FIG. 5

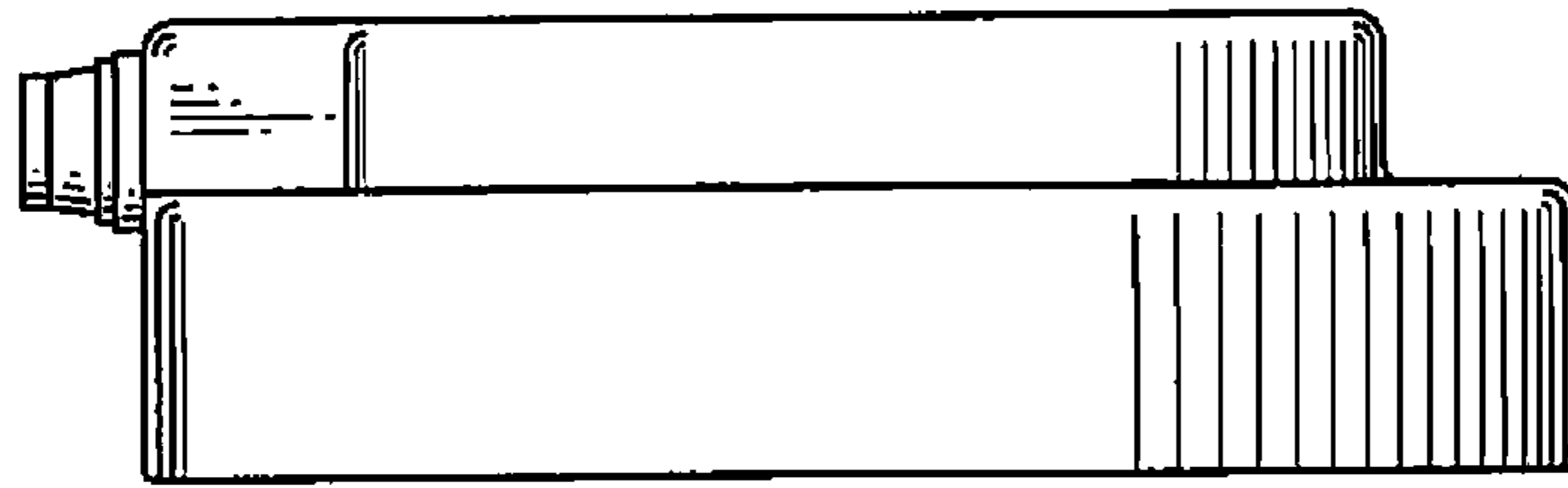


FIG. 6

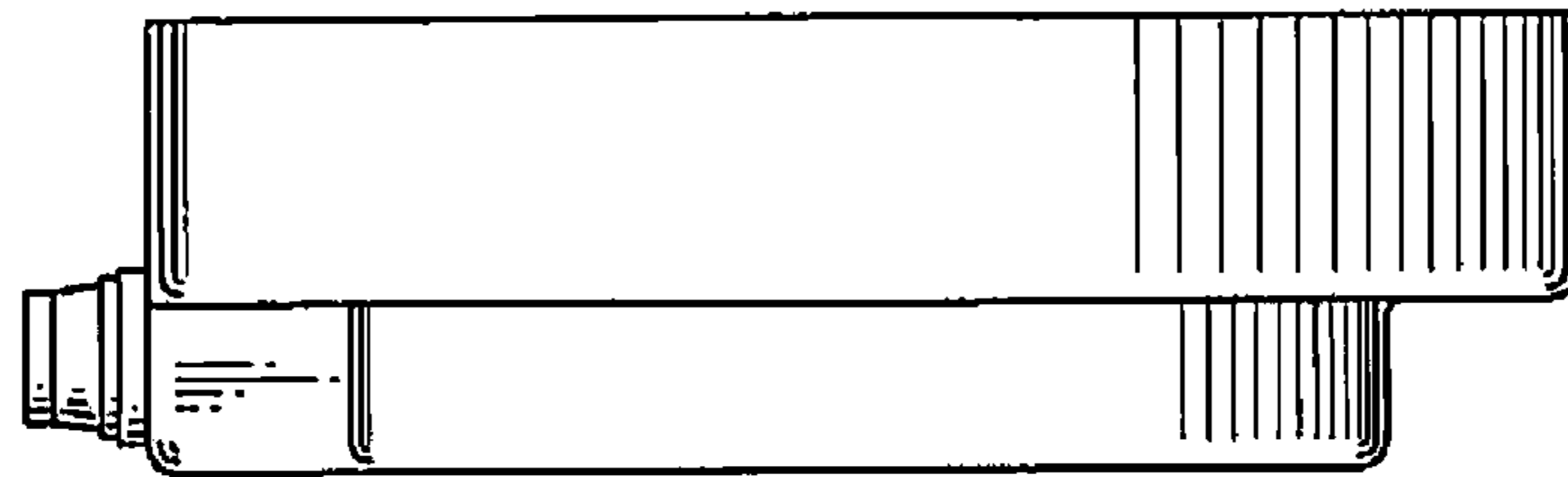


FIG. 7

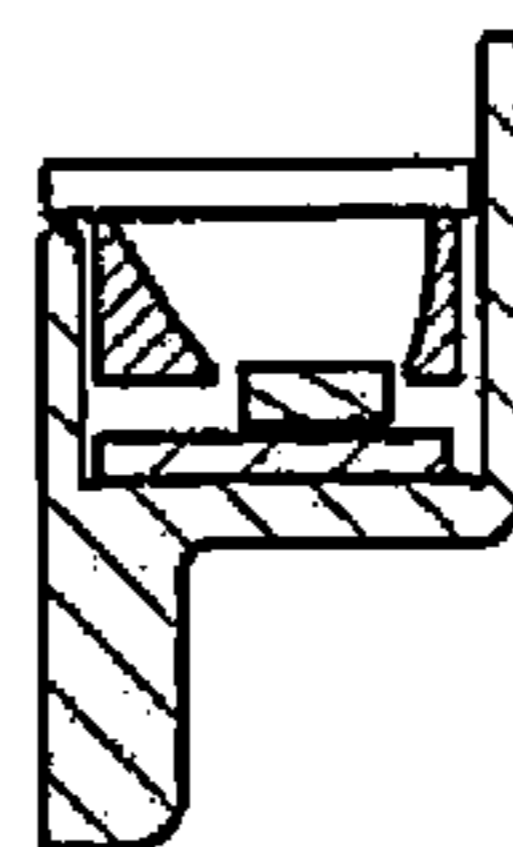
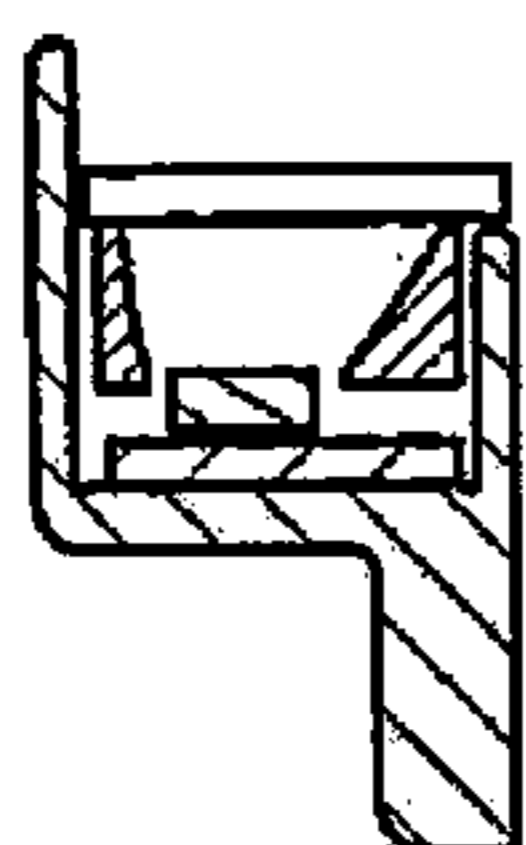


FIG. 8

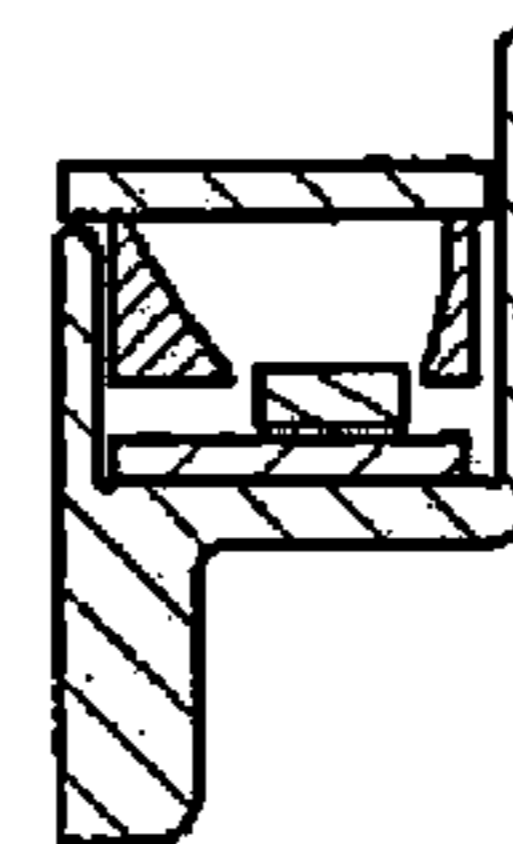
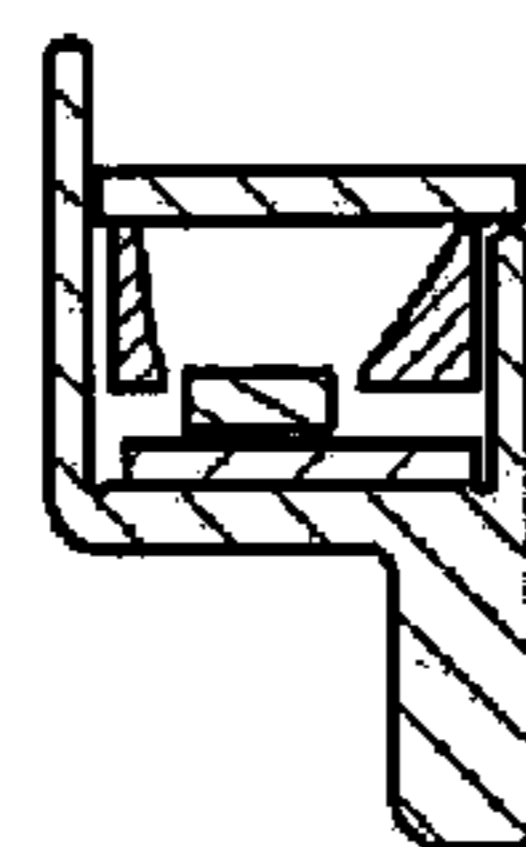


FIG. 9

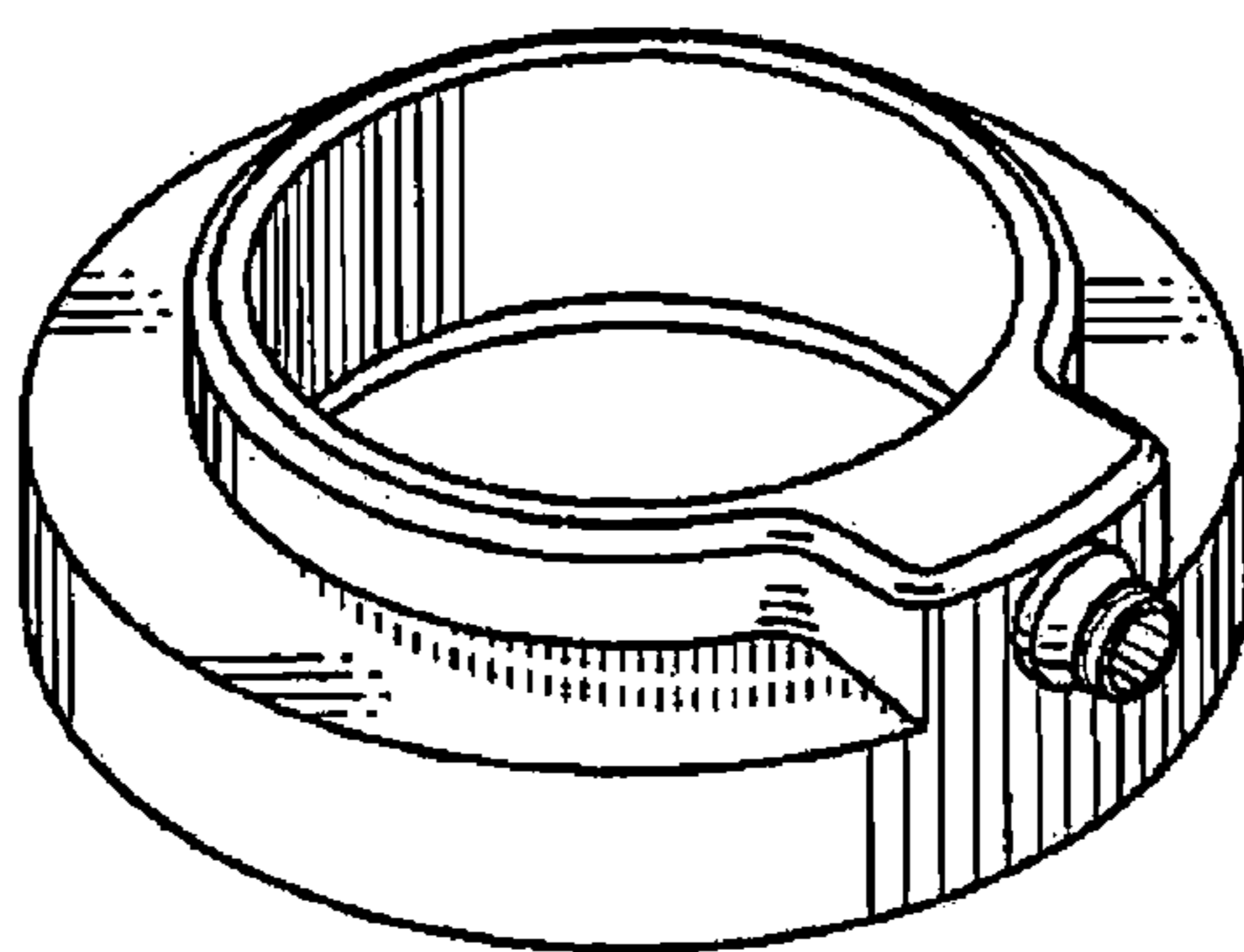


FIG. 10

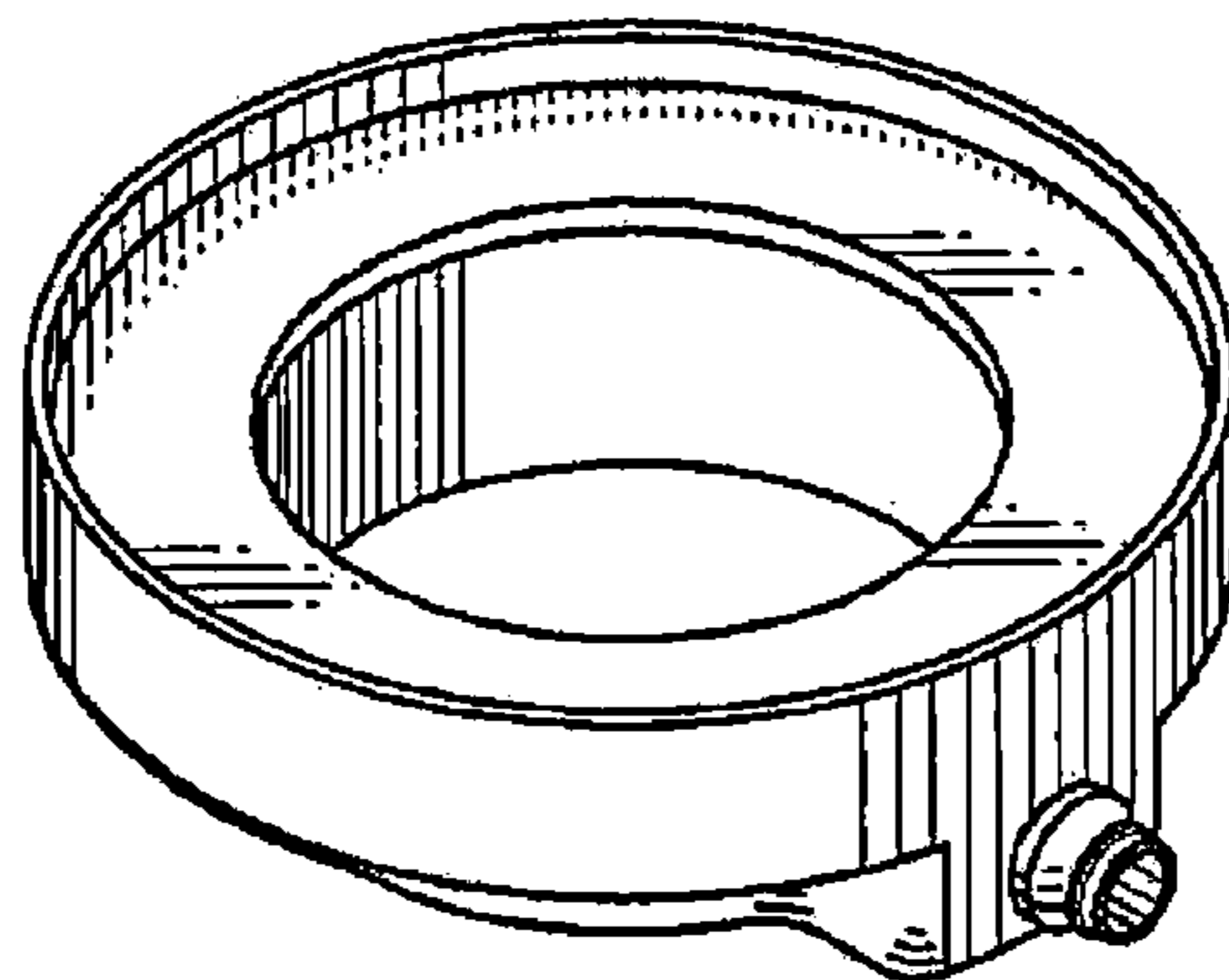


FIG. 11

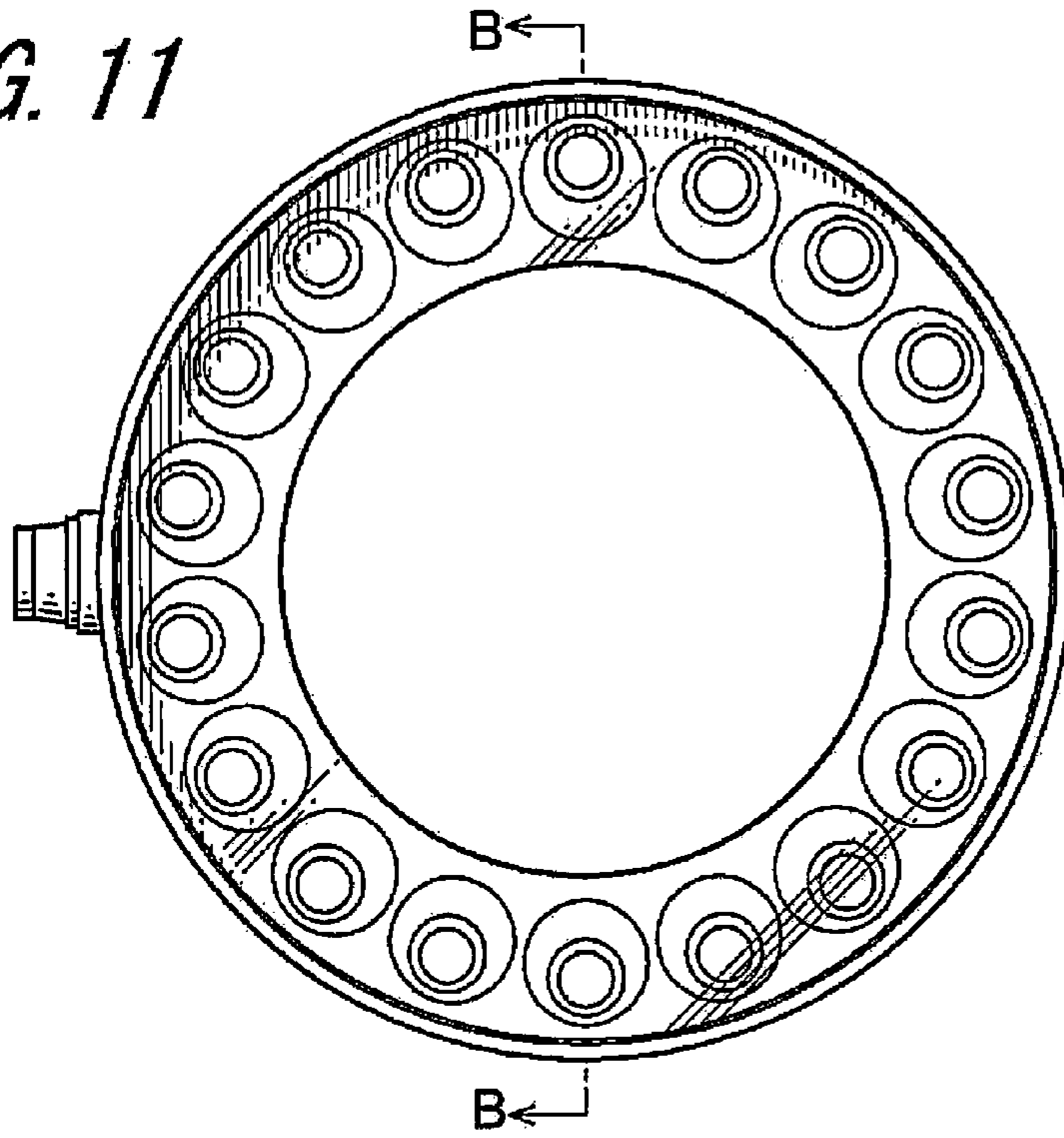


FIG. 12

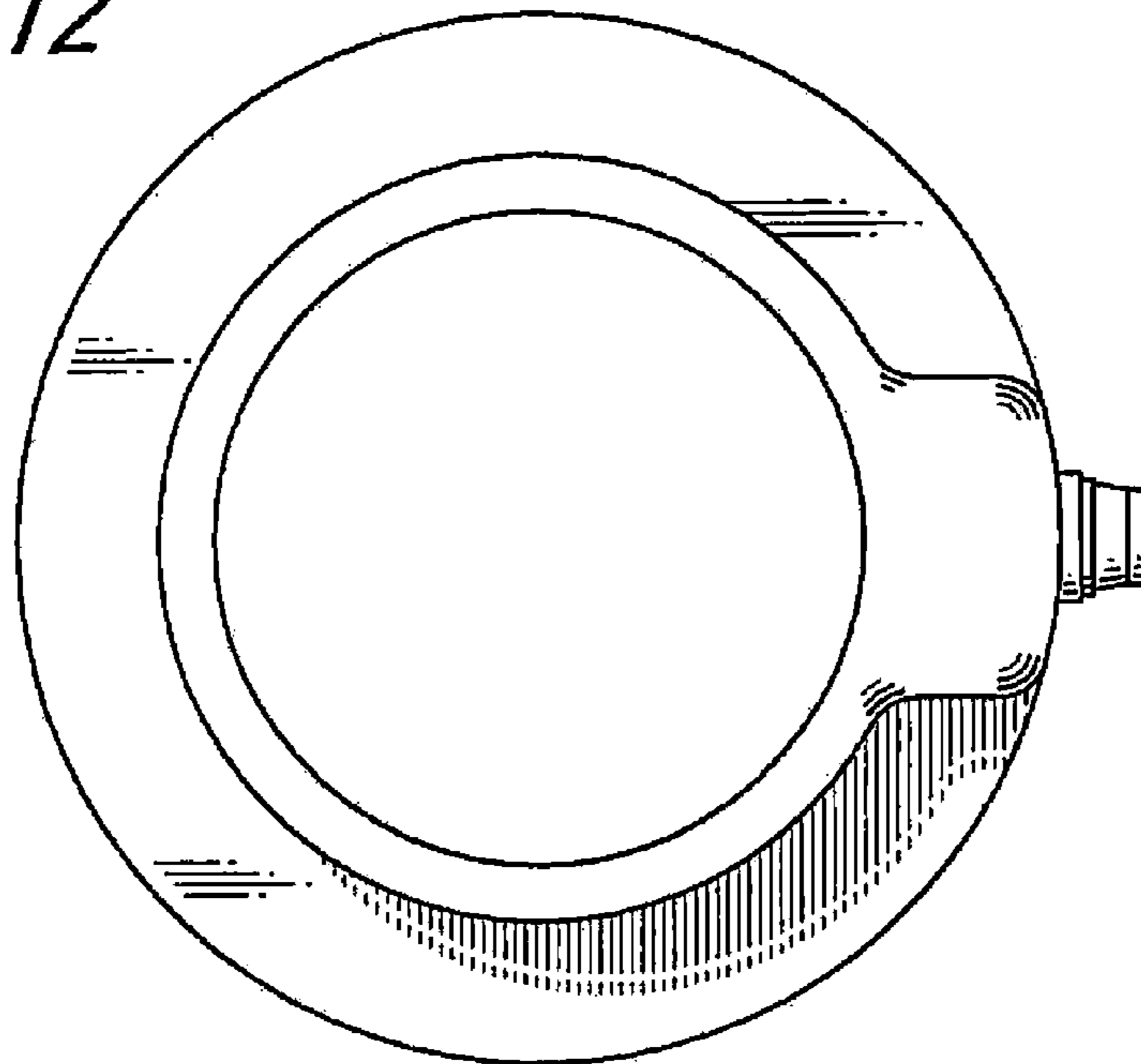


FIG. 13

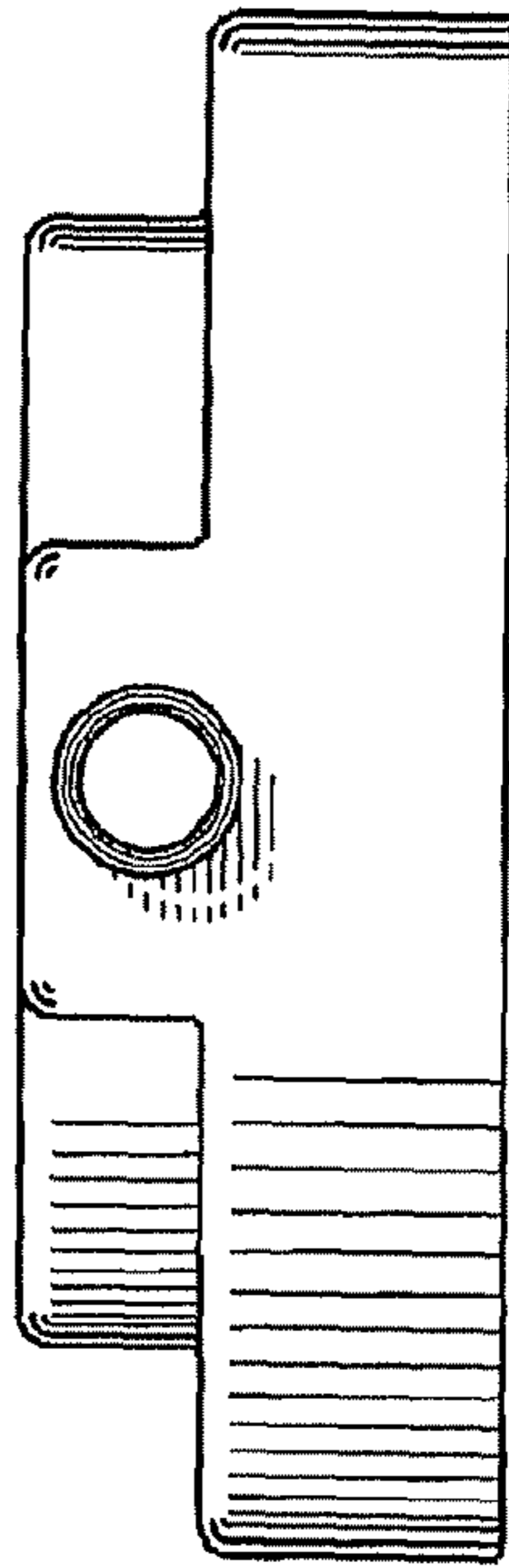


FIG. 14

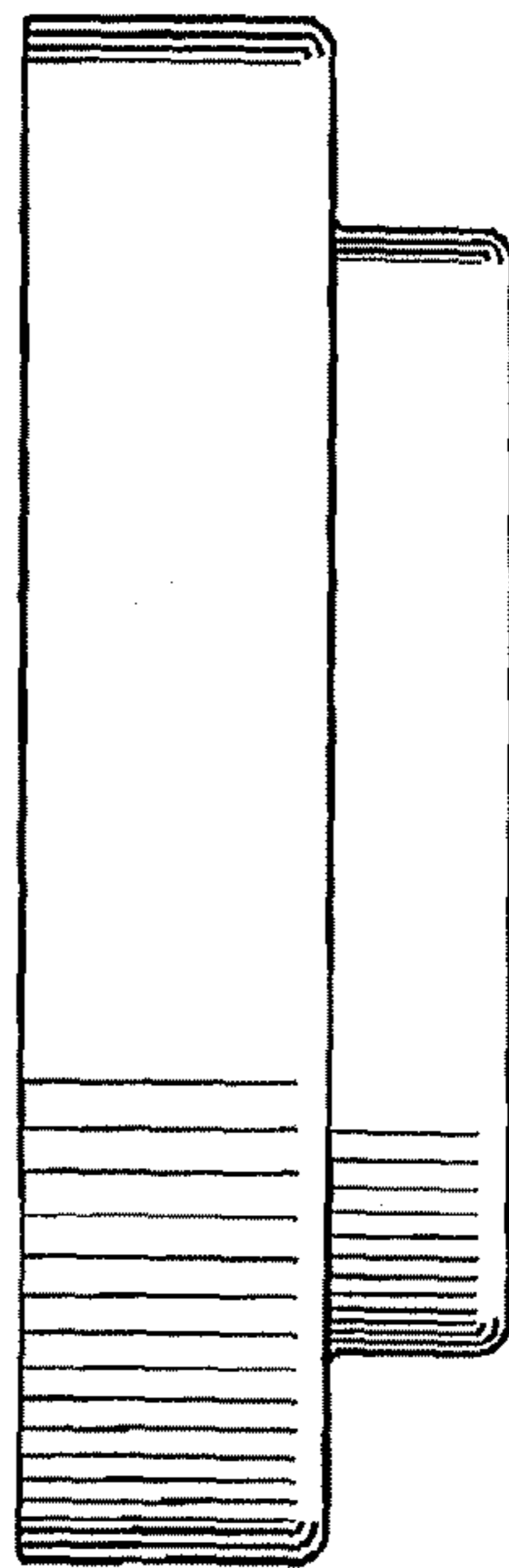


FIG. 15

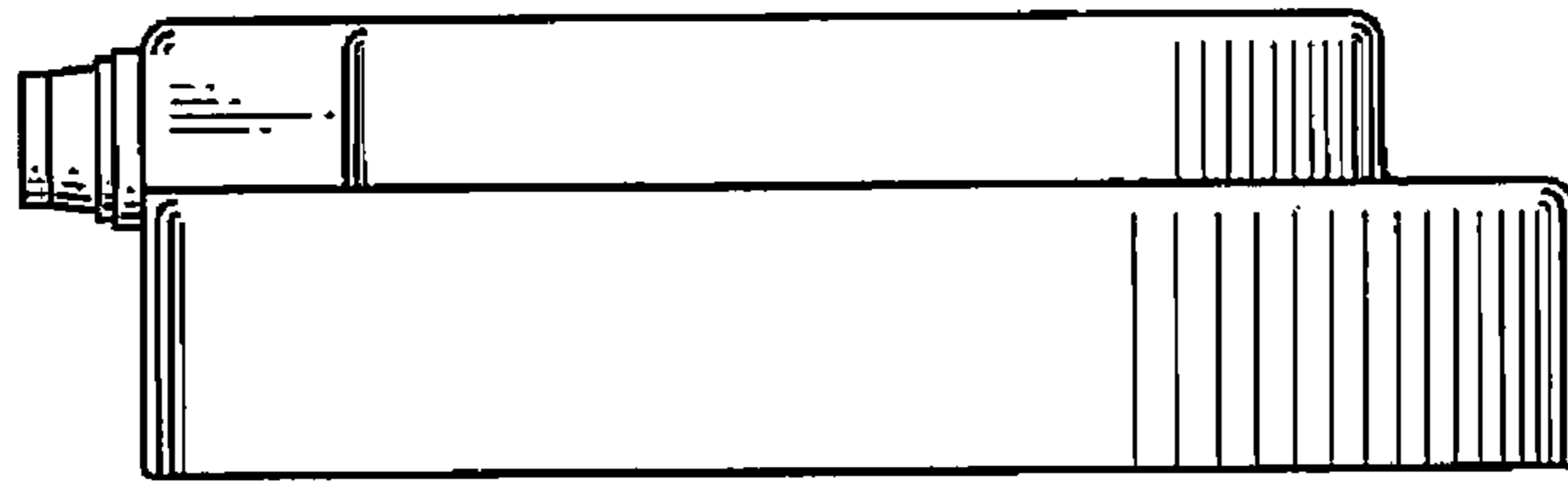


FIG. 16

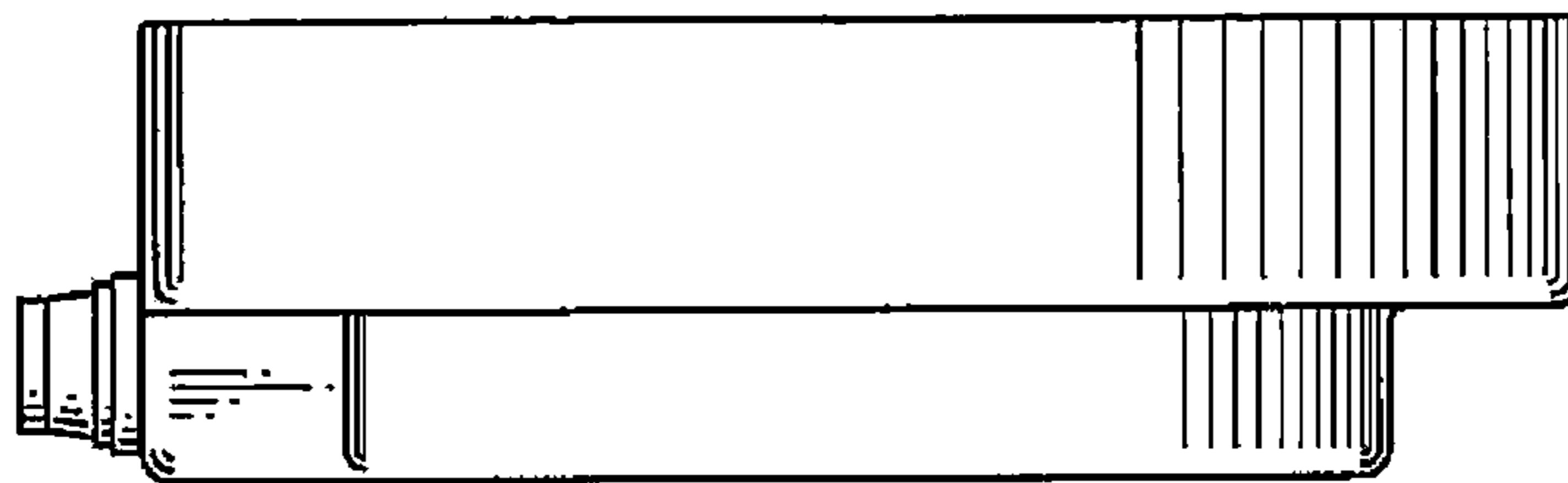


FIG. 17

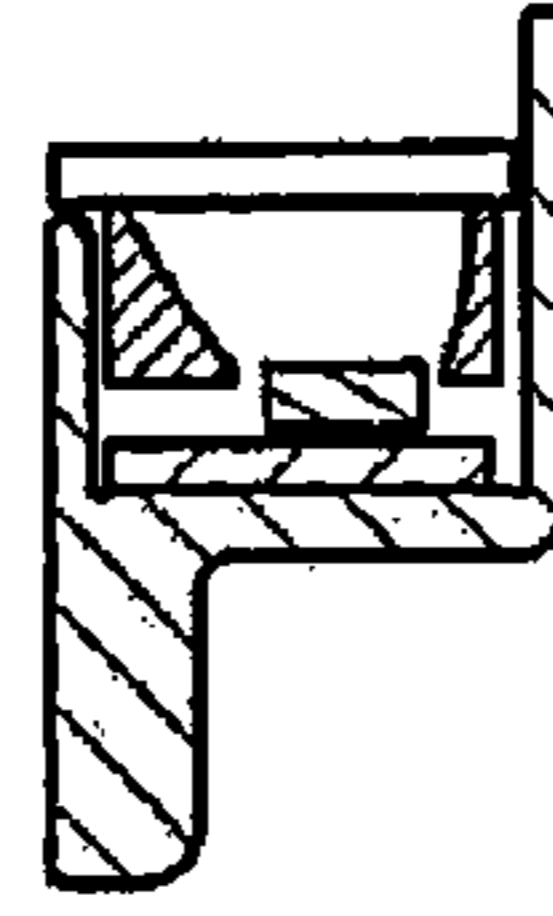
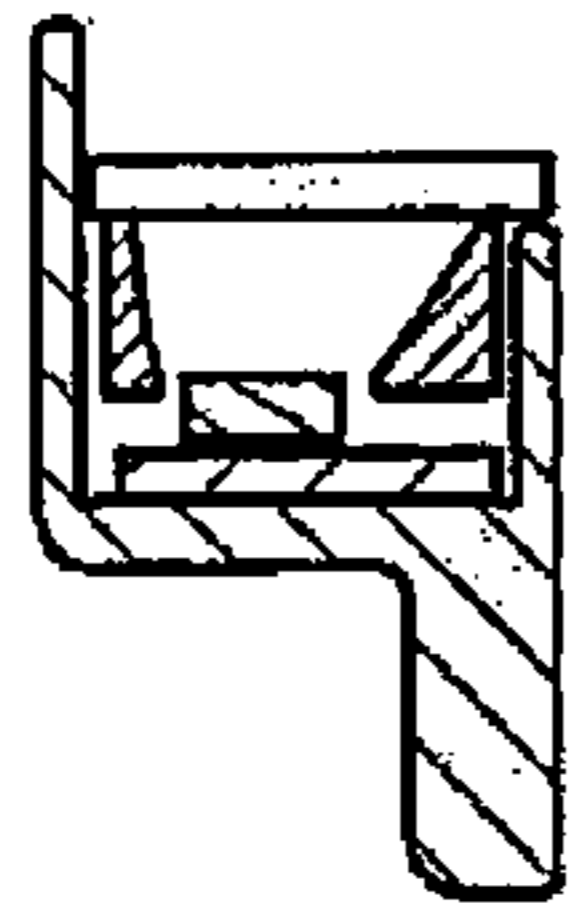


FIG. 18

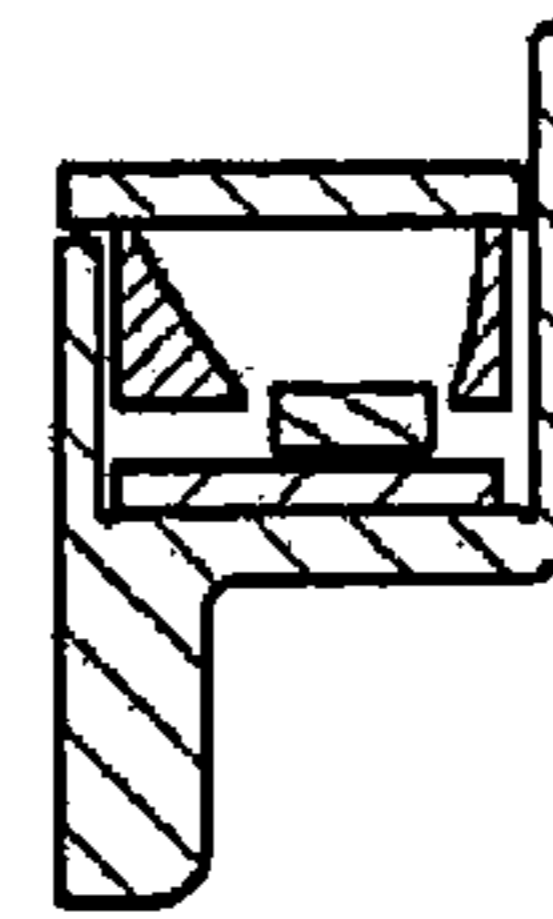
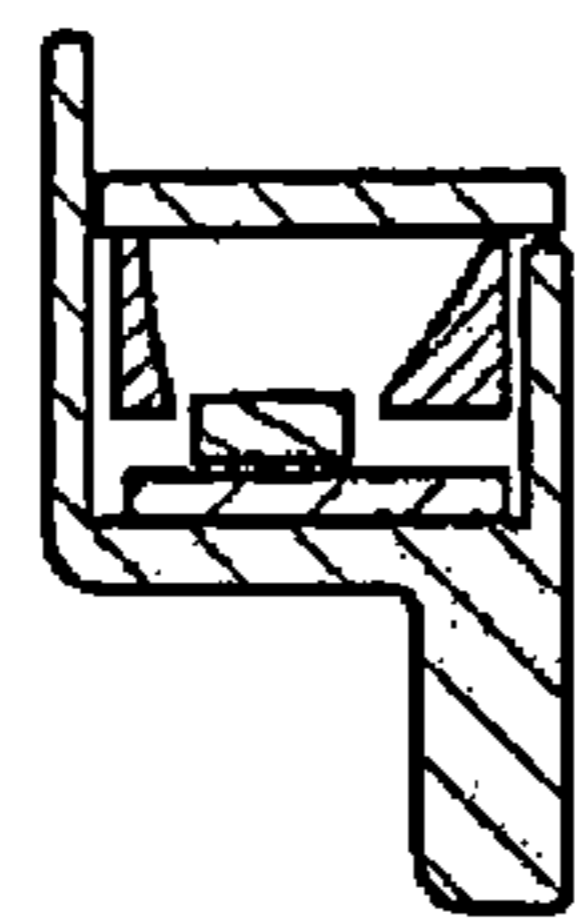


FIG. 19

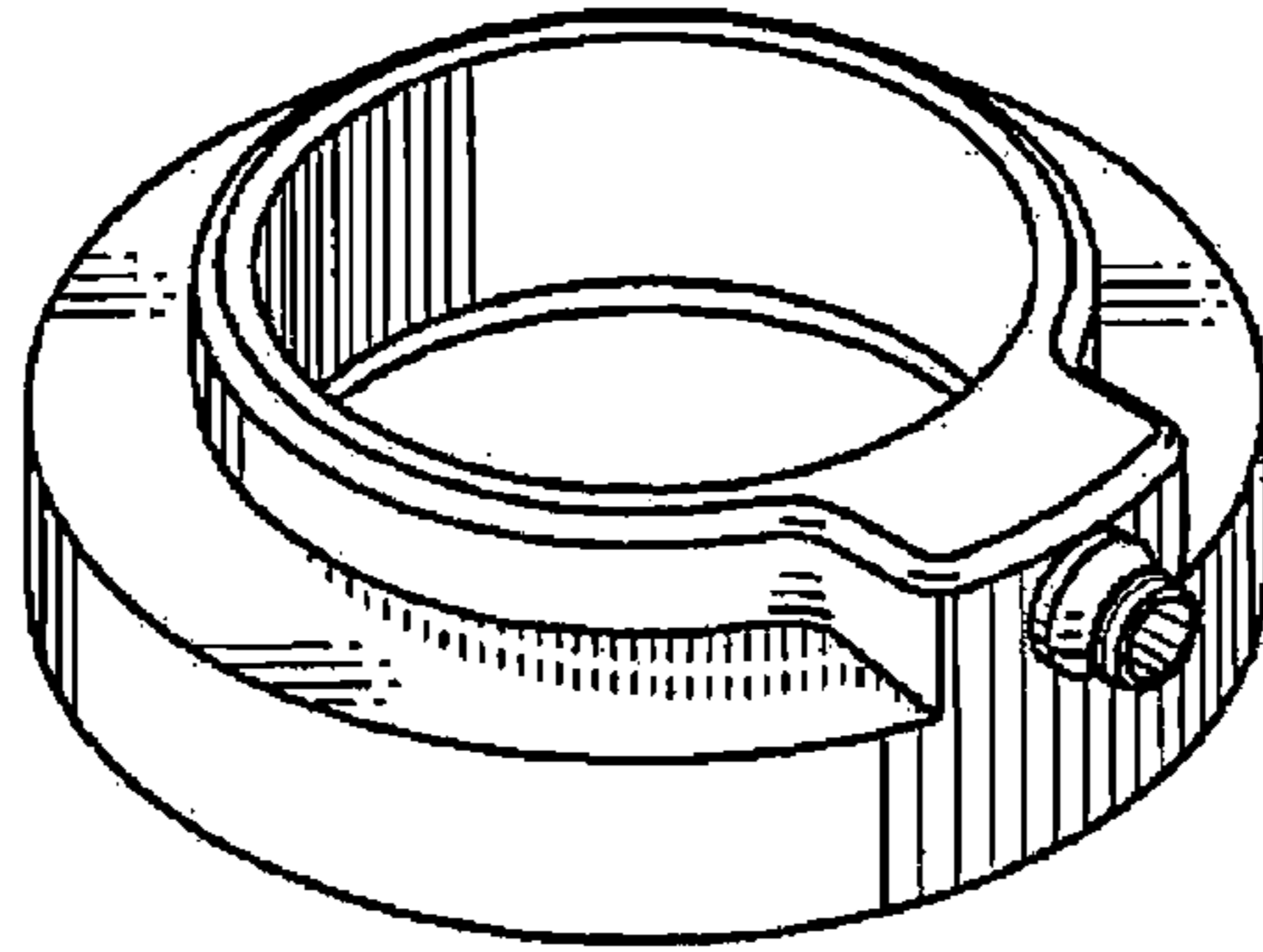


FIG. 20

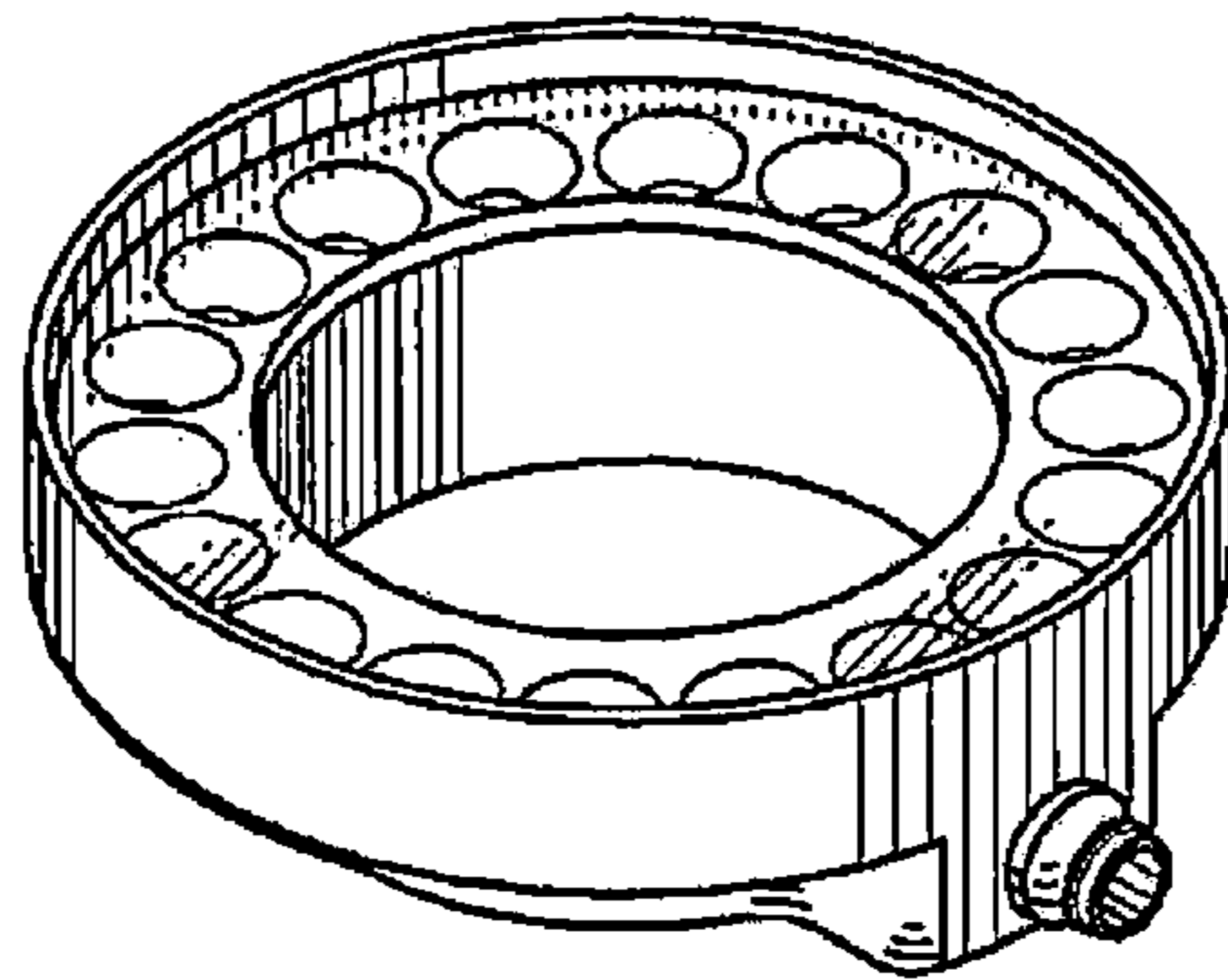


FIG. 21

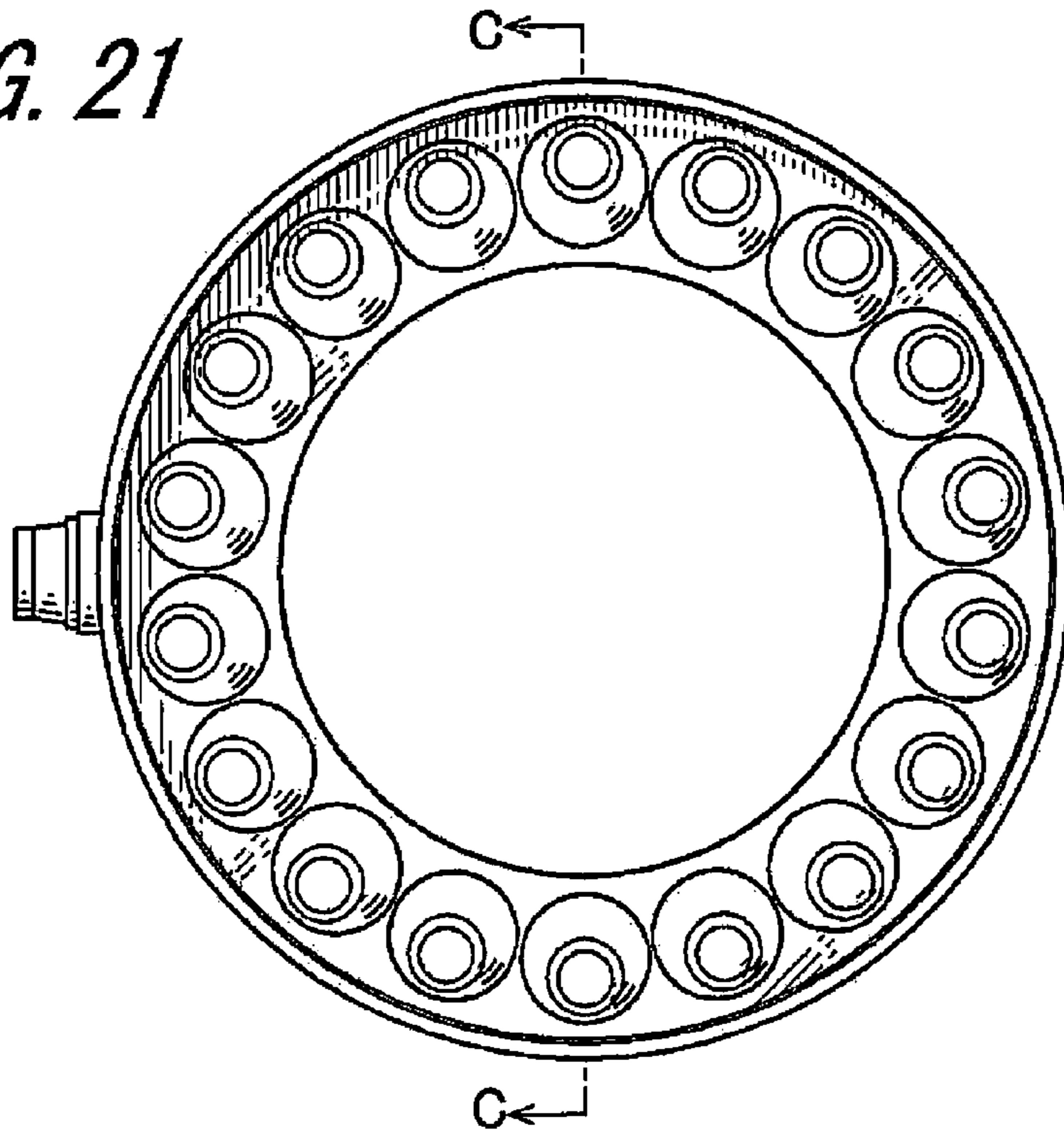


FIG. 22

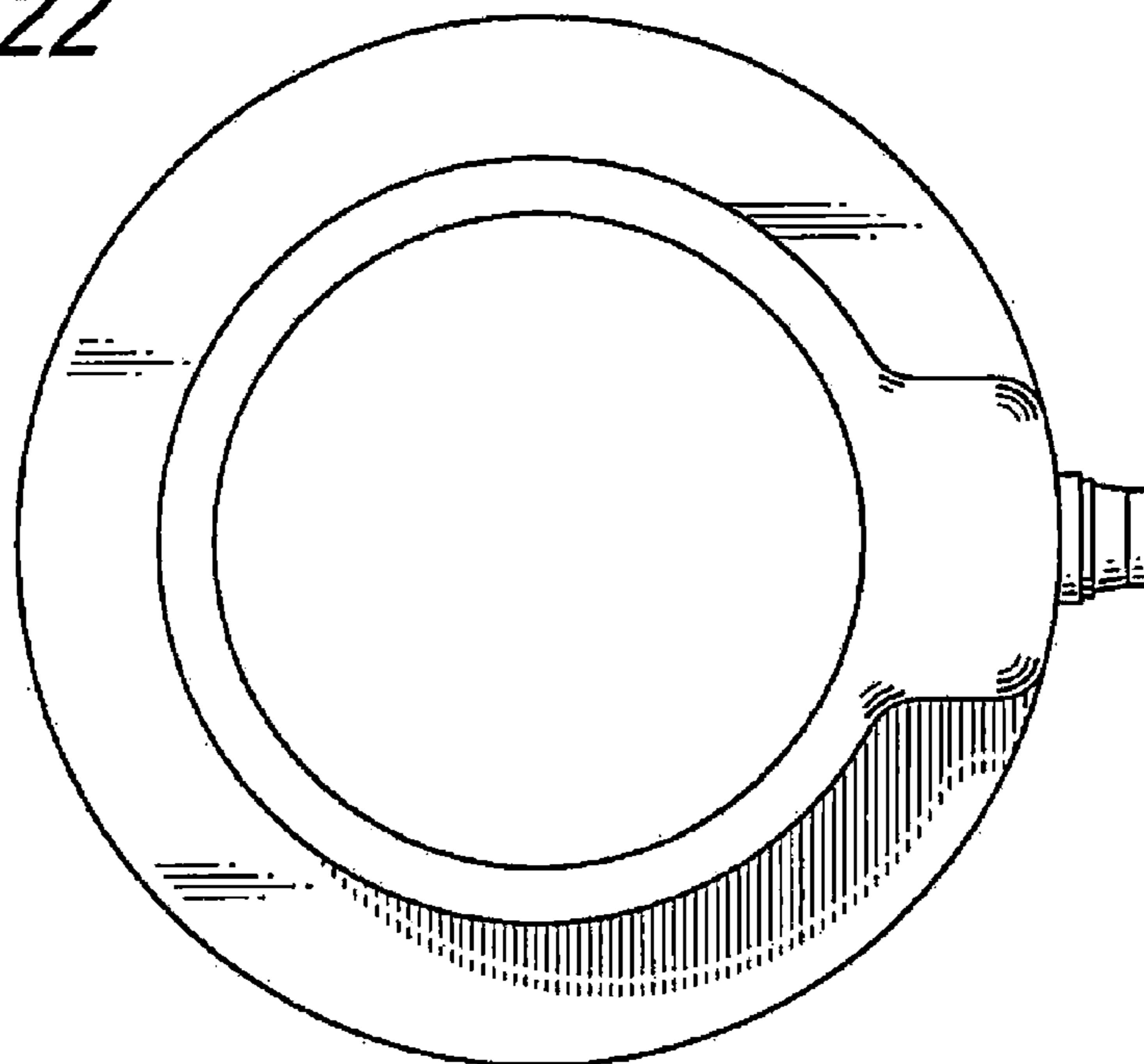


FIG. 23

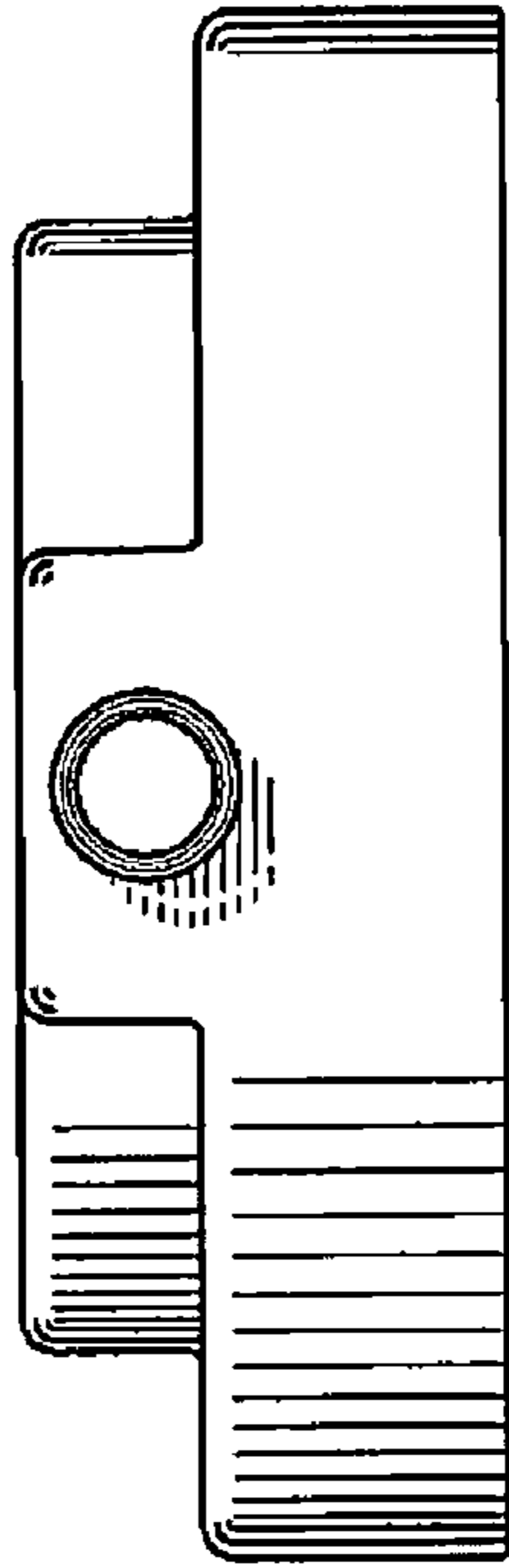


FIG. 24

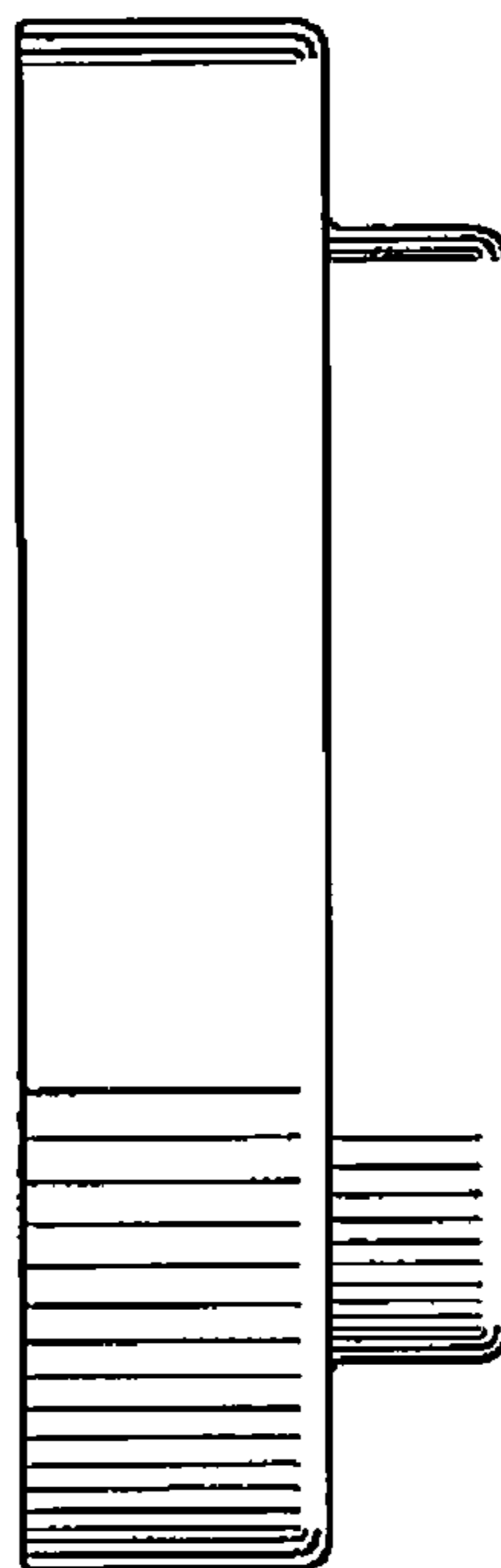


FIG. 25

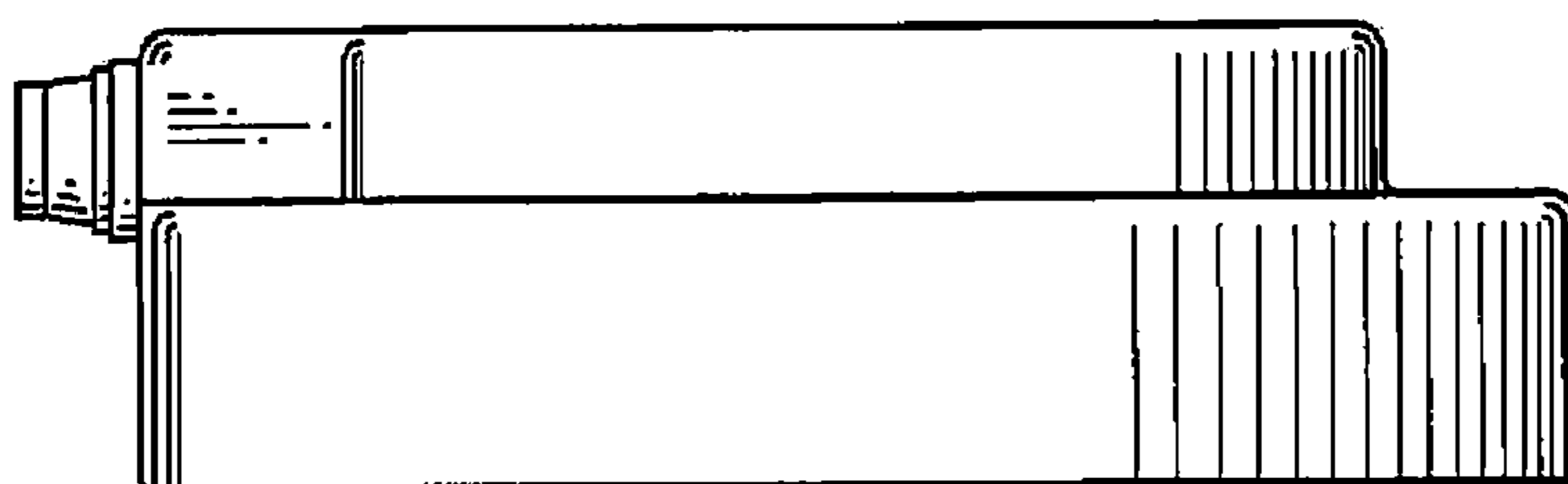


FIG. 26

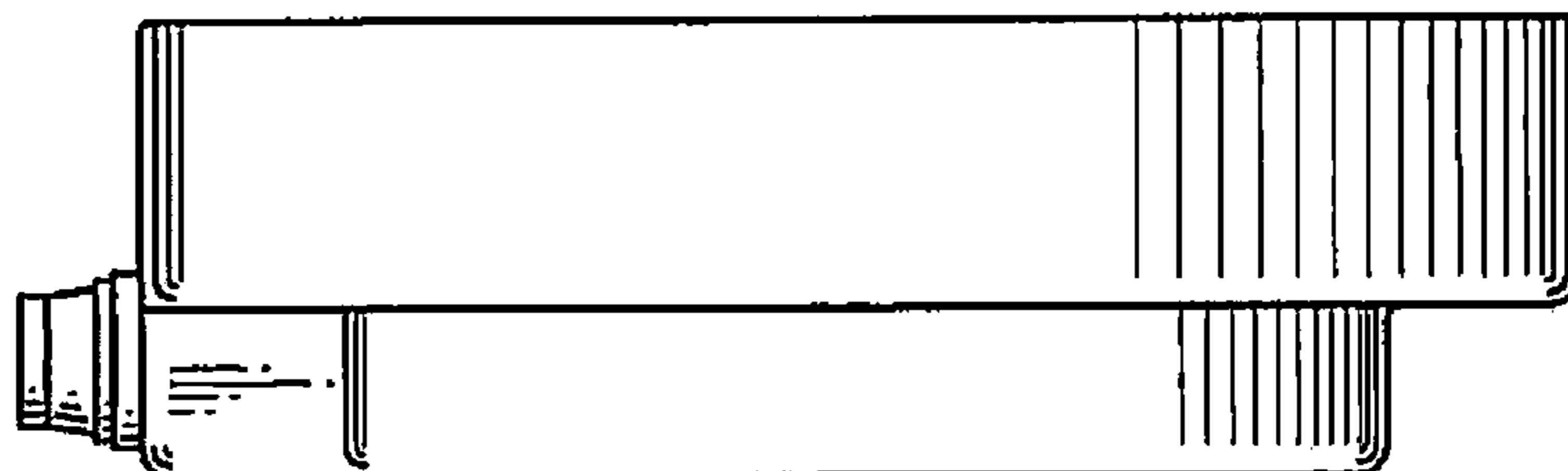


FIG. 27

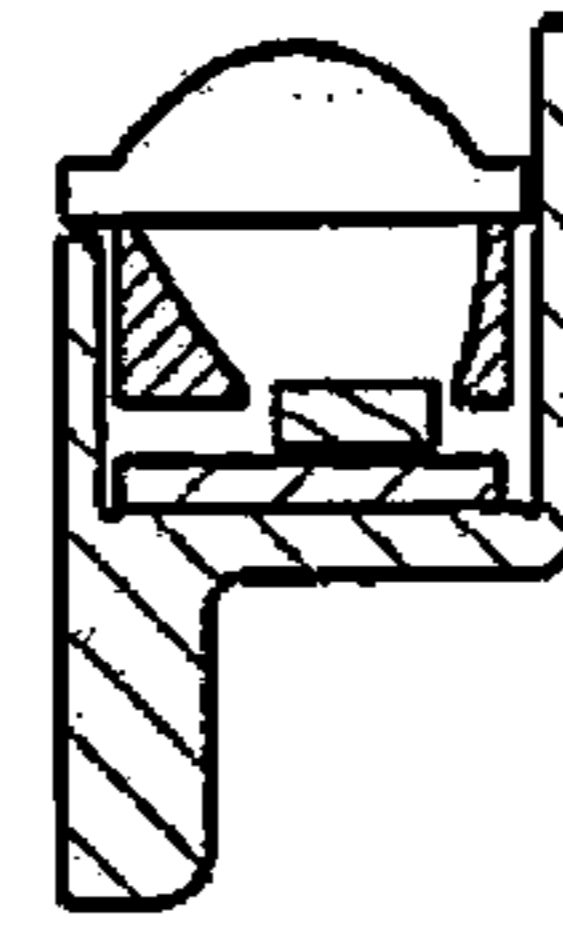
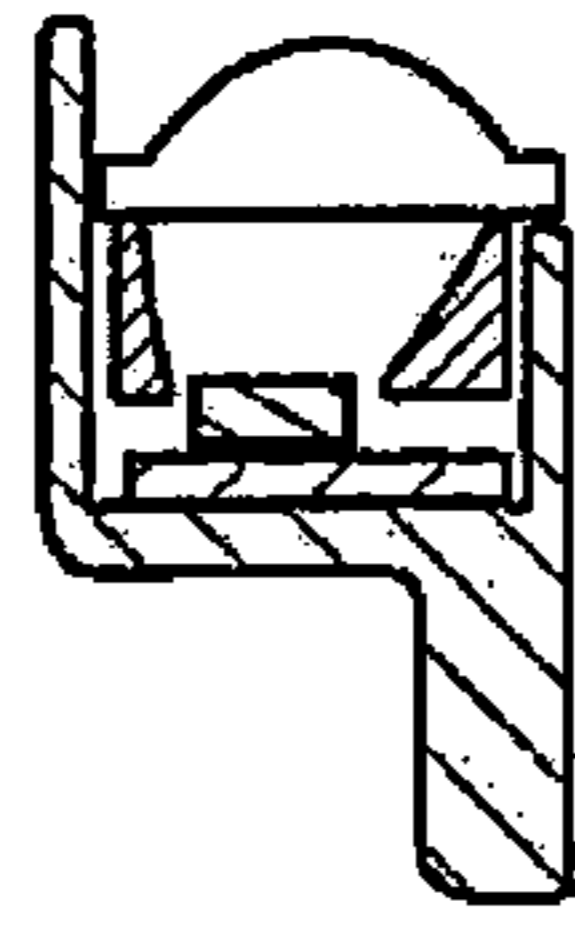


FIG. 28

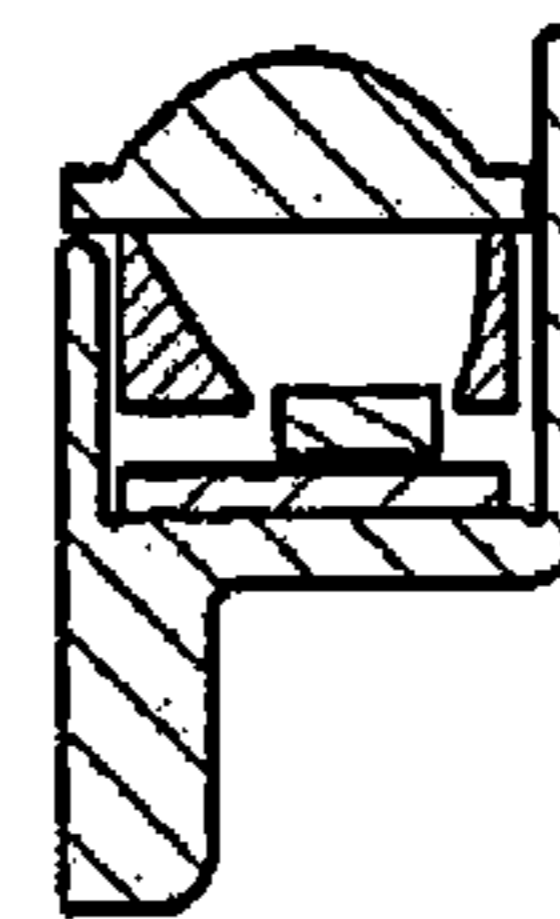
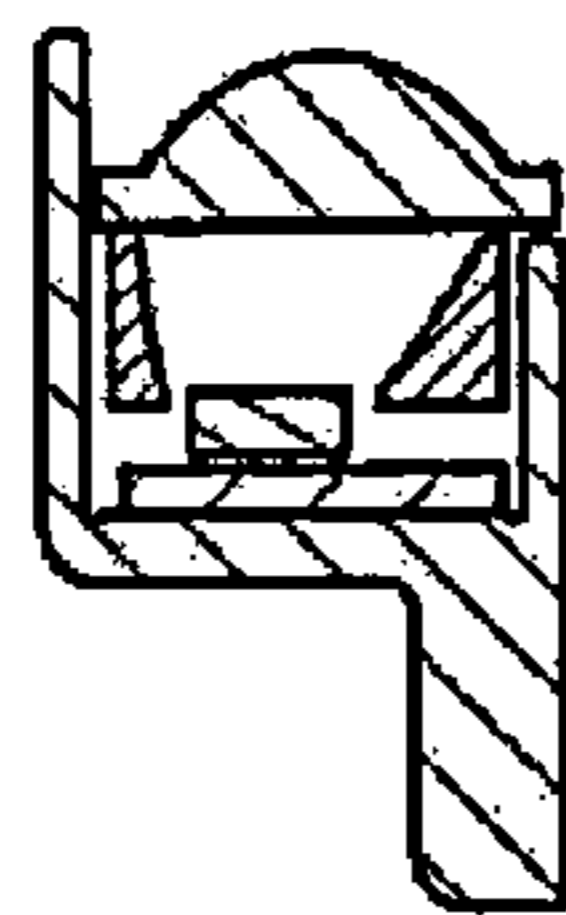


FIG. 29

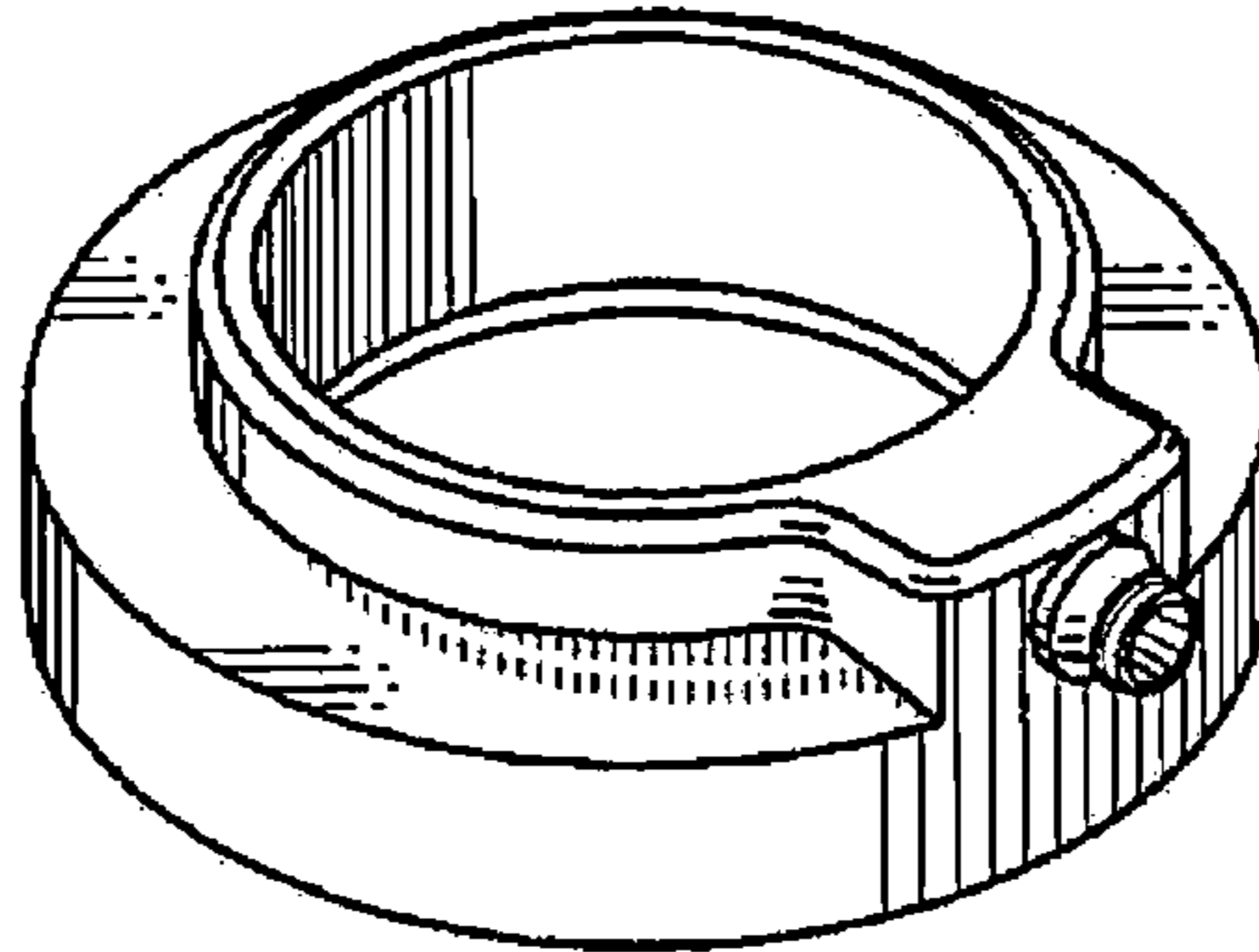


FIG. 30

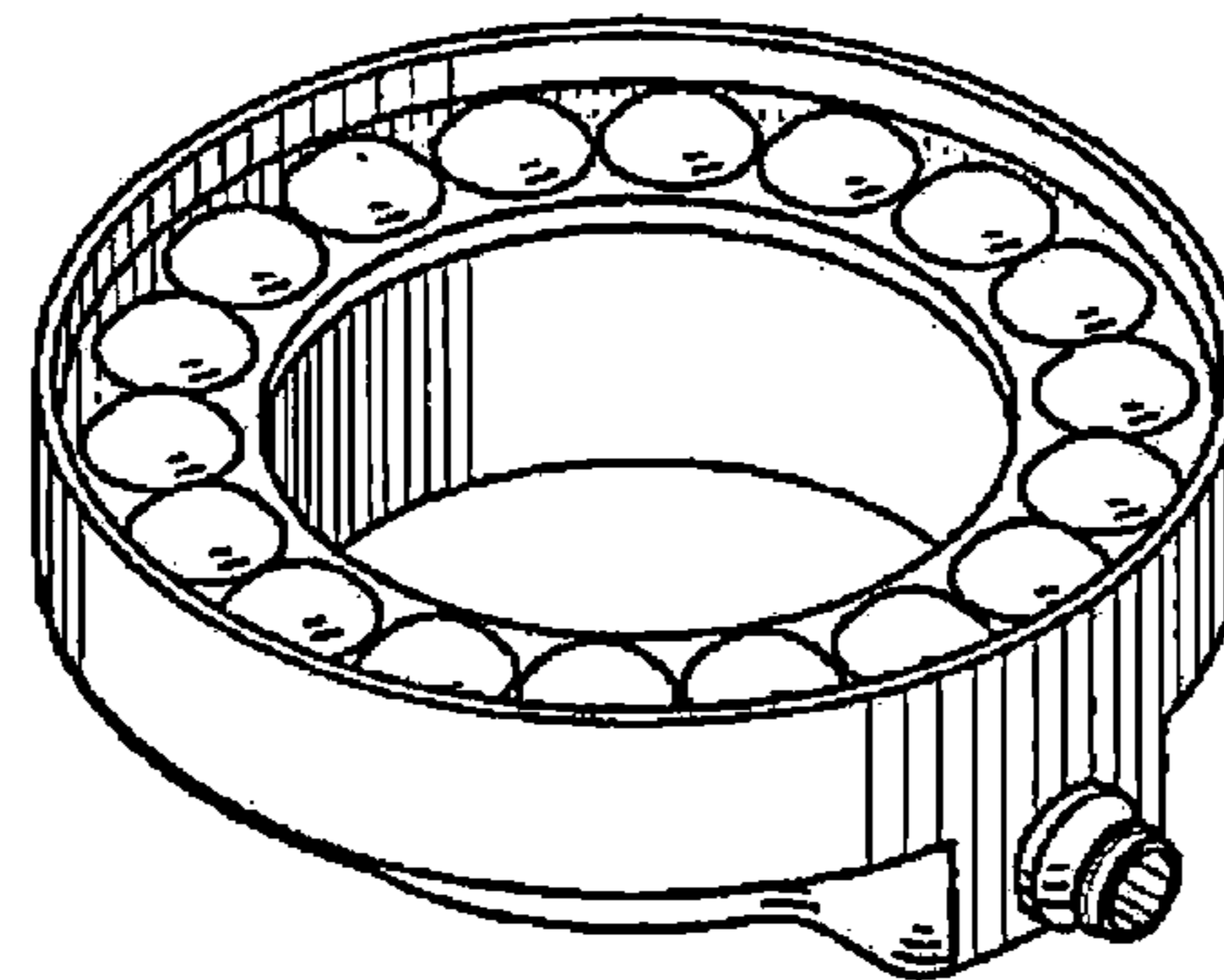


FIG. 31

