US00D372488S

United States Patent [19]

Linnér

[11] **Patent Number: Des. 372,488**

[45] **Date of Patent: **Aug. 6, 1996**

[54] **TUBE SEALING SYSTEM**

[75] Inventor: **Hans Linnér**, Kalmar, Sweden

[73] Assignee: **Norden Pac Development AB**, Sweden

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

[21] Appl. No.: **28,736**

[22] Filed: **Sep. 21, 1994**

[30] **Foreign Application Priority Data**

Mar. 24, 1994	[SE]	Sweden	940712
Mar. 24, 1994	[SE]	Sweden	940713
Mar. 24, 1994	[SE]	Sweden	940714
Mar. 24, 1994	[SE]	Sweden	940715
Mar. 24, 1994	[SE]	Sweden	940716
Mar. 24, 1994	[SE]	Sweden	940717
Mar. 24, 1994	[SE]	Sweden	940718

[52] **U.S. Cl.** **D15/146**

[58] **Field of Search** D15/145, 146; 156/477–479

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,140,571	7/1964	Dorper et al.	53/477
3,980,515	9/1976	Reil et al.	156/497
4,019,946	4/1977	Greisman	156/497
4,350,003	9/1982	Greenawalt et al.	53/373 X
4,394,204	7/1983	Hutcheson	156/499 X
4,511,426	4/1985	Linner	156/497

Primary Examiner—Antoine Duval Davis

Attorney, Agent, or Firm—Lerner, David, Littenberg, Krumholz & Mentlik

[57] **CLAIM**

The ornamental design for a tube sealing system, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a nozzle arrangement for the tube sealing system of the present invention;

FIG. **2** is a left side elevational view of the tube sealing system shown in FIG. **1,** with the right side view being a mirror image thereof;

FIG. **3** is a front elevational view of the tube sealing system shown in FIG. **1,** with a rear elevational view being a mirror image thereof;

FIG. **4** is a top perspective view of the tube sealing system shown in FIG. **1;**

FIG. **5** is a perspective view for another embodiment of the tube sealing system of the present invention;

FIG. **6** is a left side elevational view of the tube sealing system shown in FIG. **5,** with the right side view being a mirror image thereof;

FIG. **7** is a front elevational view of the tube sealing system shown in FIG. **5,** with the rear elevational view being a mirror image thereof;

FIG. **8** is a top perspective view of the tube sealing system shown in FIG. **5;**

FIG. **9** is a perspective view for another embodiment of the tube sealing system of the present invention;

FIG. **10** is a left side elevational view of the tube sealing system shown in FIG. **9,** with the right side view being a mirror image thereof;

FIG. **11** is a front elevational view of the tube sealing system shown in FIG. **9** with the rear elevational view being a mirror image thereof;

FIG. **12** is a top perspective view of the tube sealing system shown in FIG. **9;**

FIG. **13** is a perspective view for another embodiment of the tube sealing system of the present invention;

FIG. **14** is a left side elevational view of the tube sealing system shown in FIG. **13,** with the right side view being a mirror image thereof;

FIG. **15** is a front elevational view of the tube sealing system shown in FIG. **13,** with the rear elevational view being a mirror image thereof;

FIG. **16** is a top perspective view of the tube sealing system shown in FIG. **13;**

FIG. **17** is a perspective view for another embodiment of the tube sealing system of the present invention;

FIG. **18** is a left side elevational view of the tube sealing system shown in FIG. **17,** with the right side view being a mirror image thereof;

FIG. **19** is a front elevational view of the tube sealing system shown in FIG. **17,** with the rear elevational view being a mirror image thereof;

FIG. **20** is a top perspective view of the tube sealing system shown in FIG. **17;**

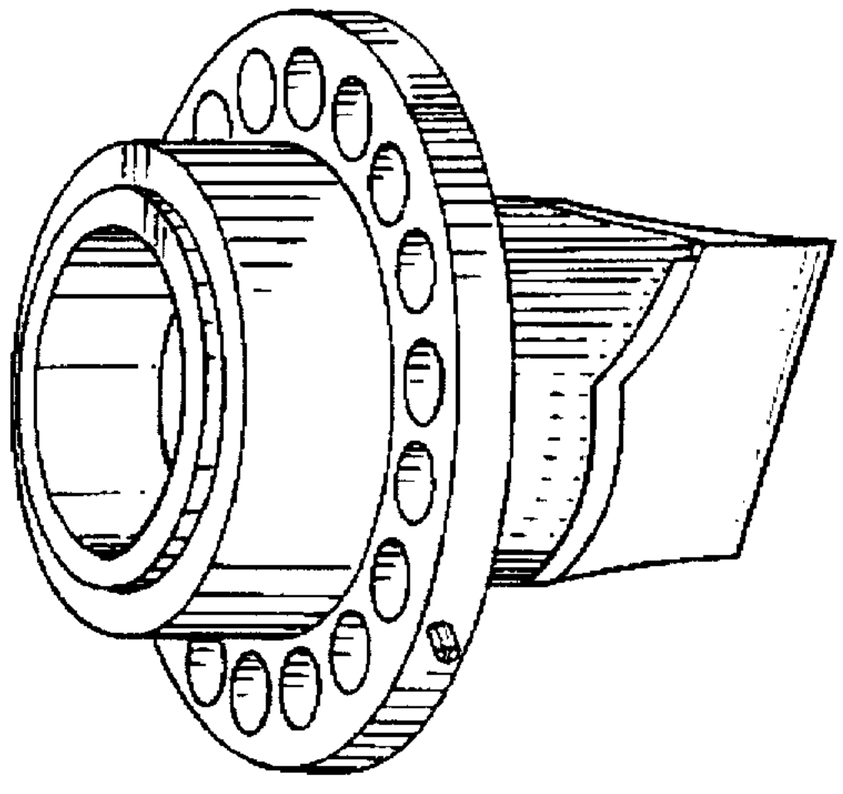

FIG. **21** is a perspective view for another embodiment of the tube sealing system of the present invention;
FIG. **22** is a left side elevational view of the tube sealing system shown in FIG. **21,** with the right side view being a mirror image thereof;
FIG. **23** is a front elevational view of the tube sealing system shown in FIG. **21,** with the rear elevational view being a mirror image thereof;
FIG. **24** is a top perspective view of the tube sealing system shown in FIG. **21;**
FIG. **25** is a perspective view for another embodiment of the tube sealing system of the present invention;
FIG. **26** is a left side elevational view of the tube sealing system shown in FIG. **25,** with the right side view being a mirror image thereof;
FIG. **27** is a front elevational view of the tube sealing system shown in FIG. **25,** with the rear elevational view being a mirror image thereof; and,
FIG. **28** is a top perspective view of the tube sealing system shown in FIG. **25.**

1 Claim, 7 Drawing Sheets

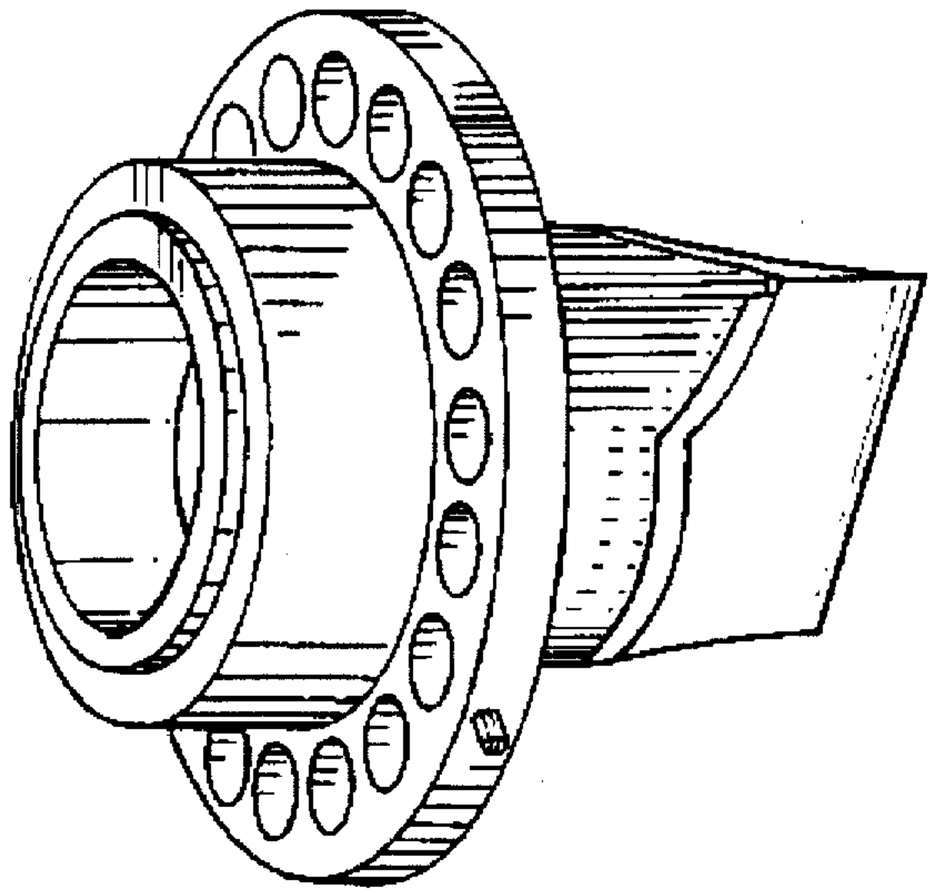

FIG. 1

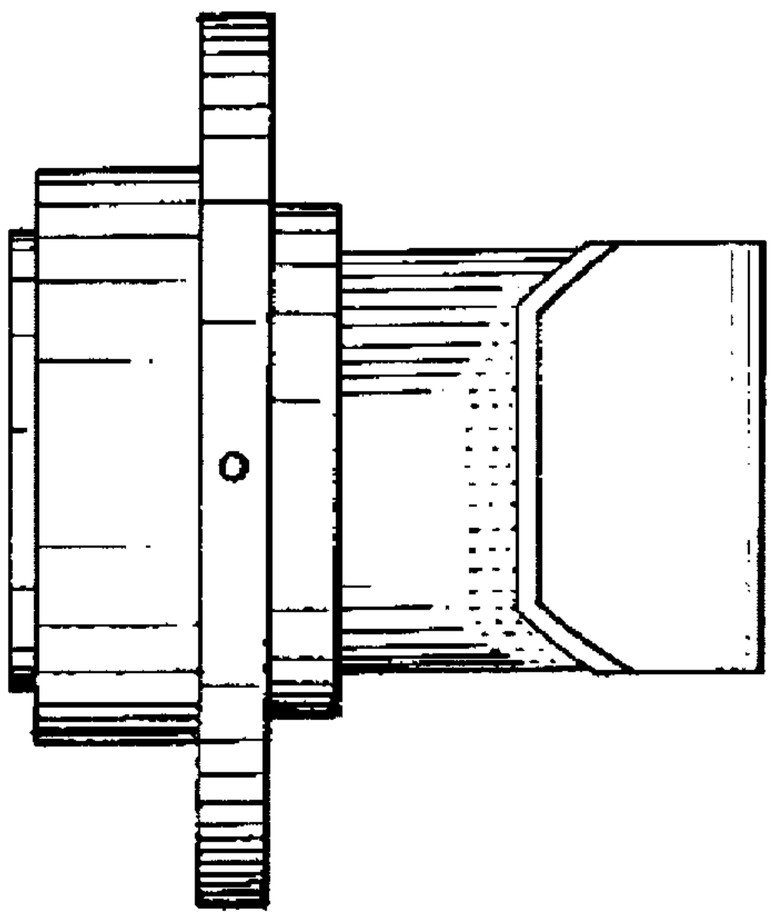

FIG. 2

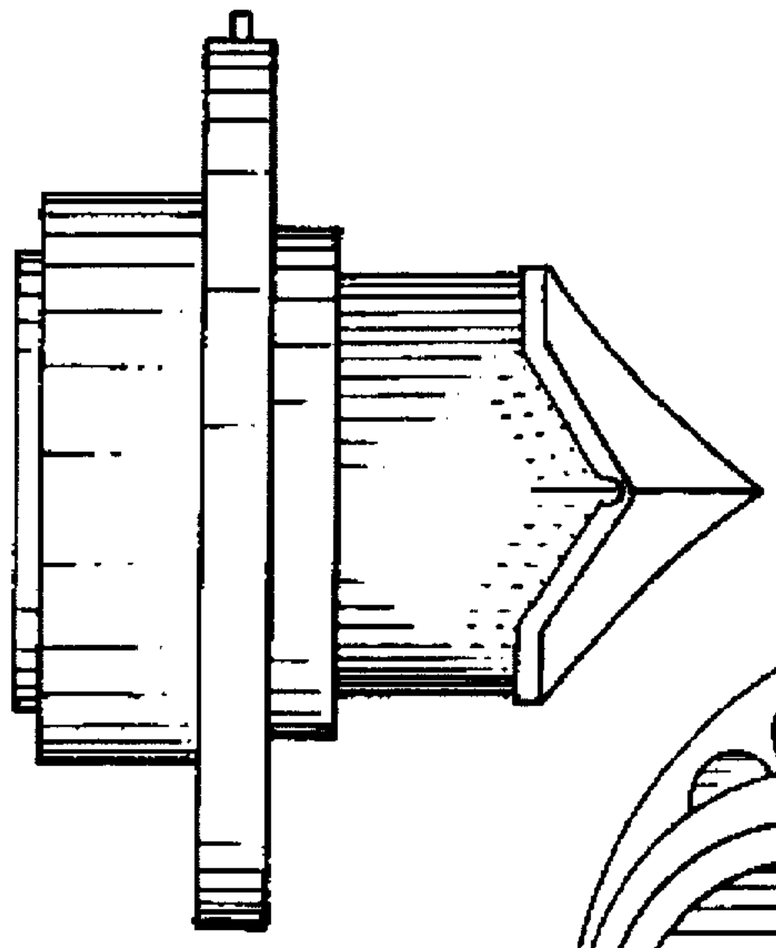

FIG. 3

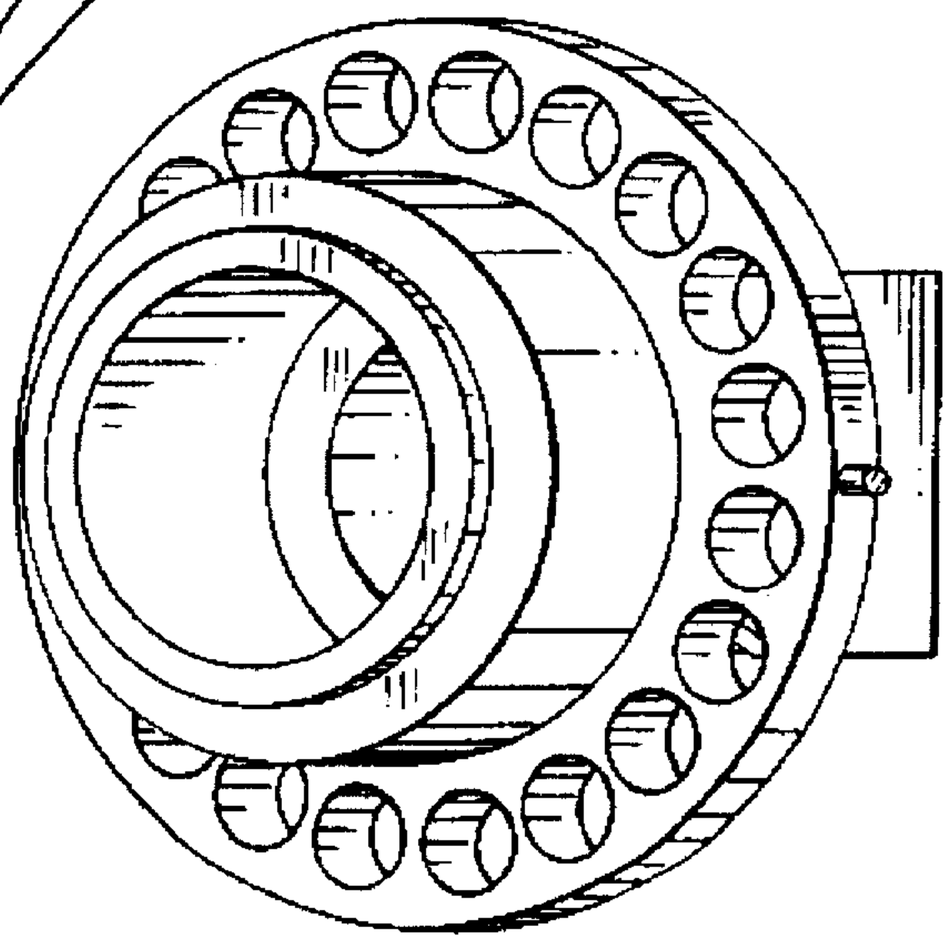

FIG. 4

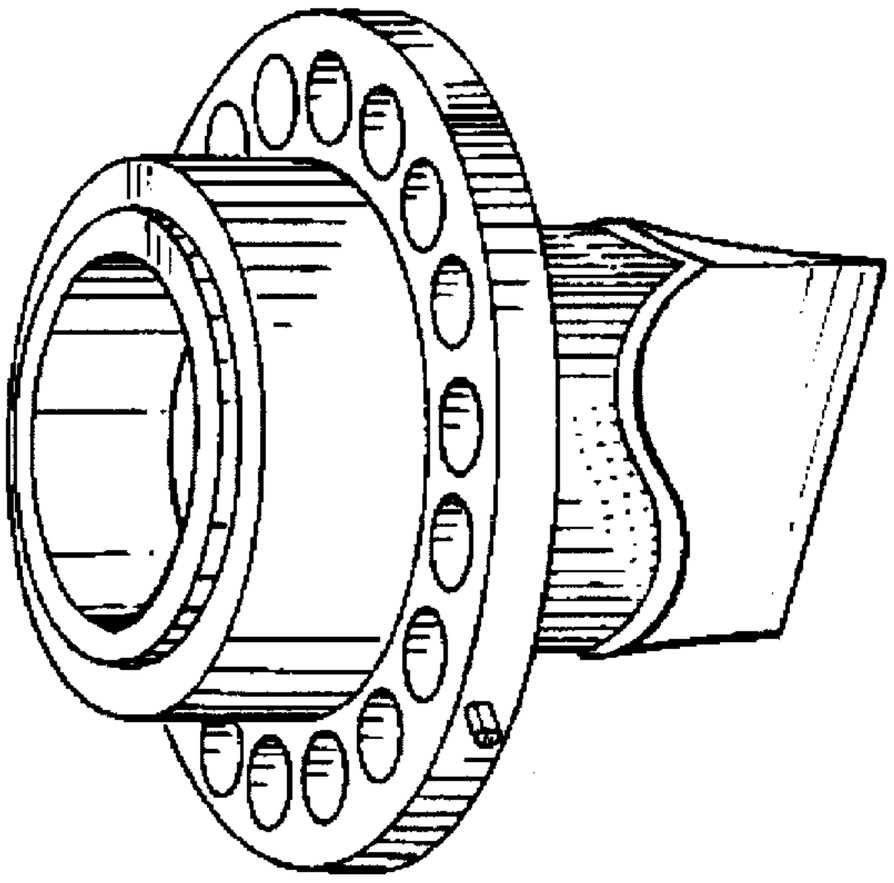

FIG. 5

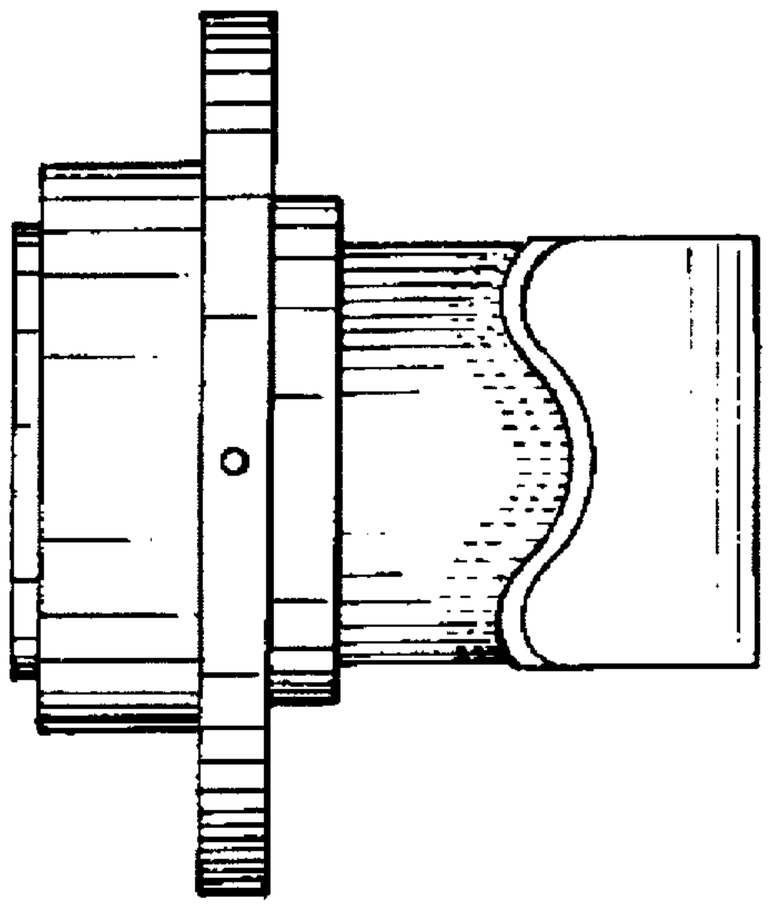

FIG. 6

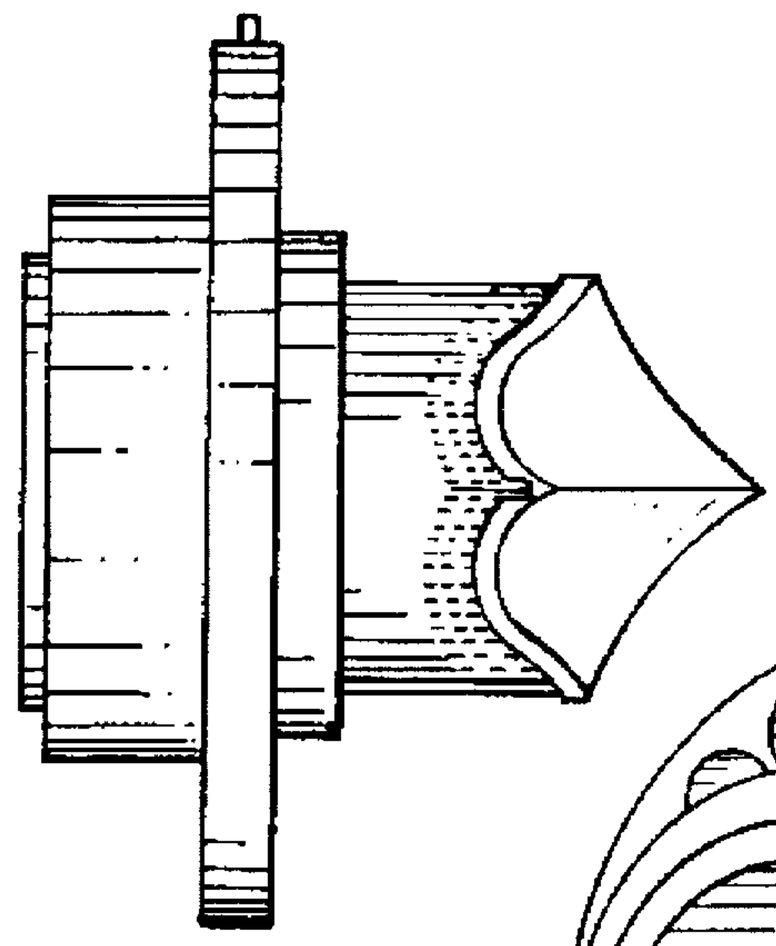

FIG. 7

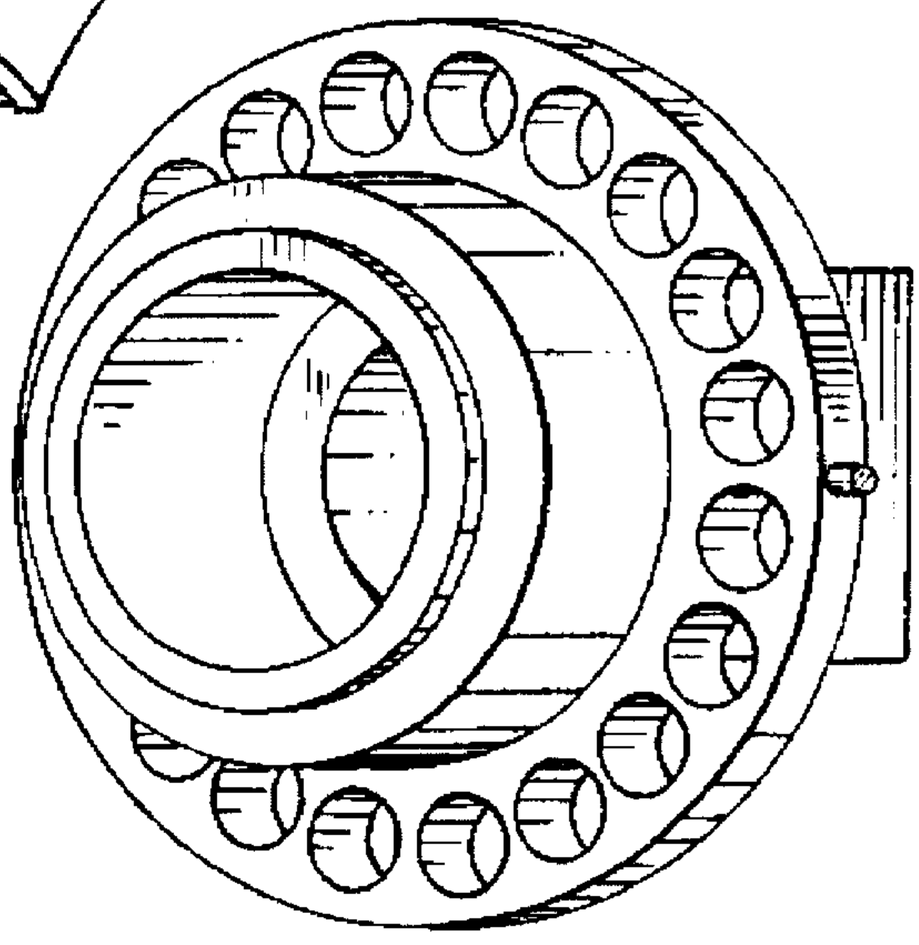

FIG. 8

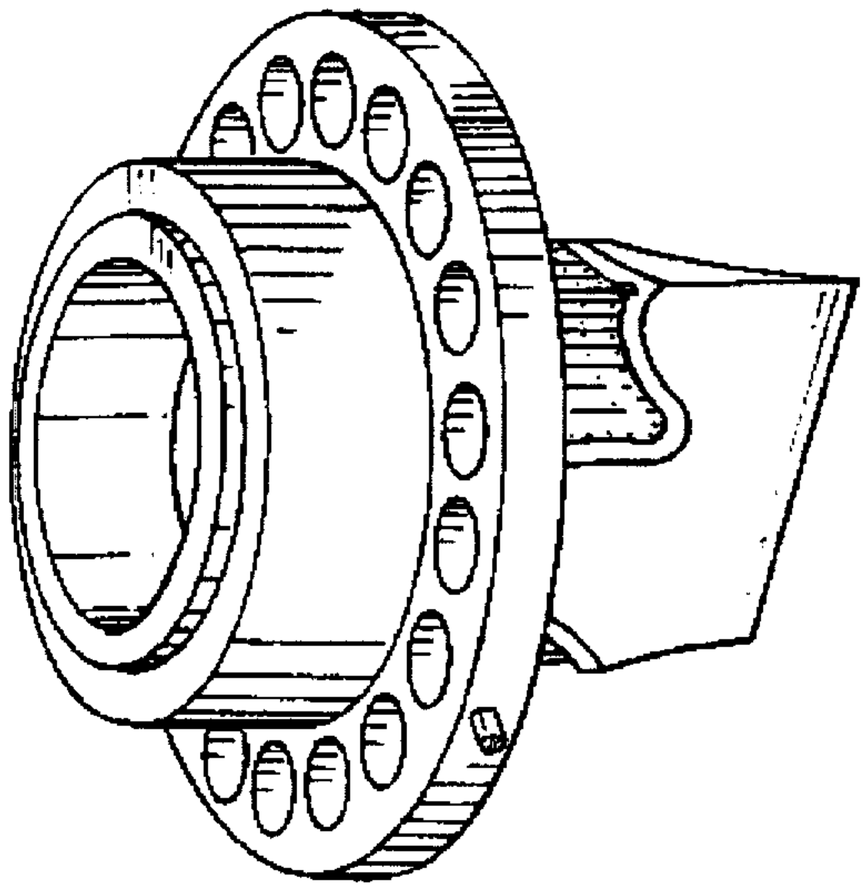

FIG. 9

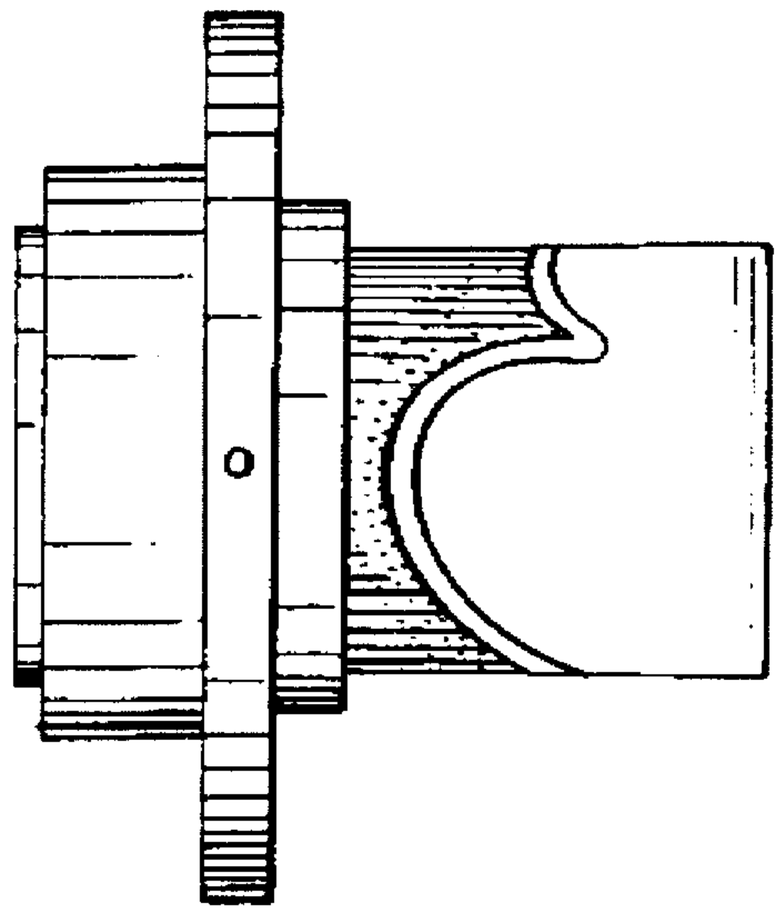

FIG. 10

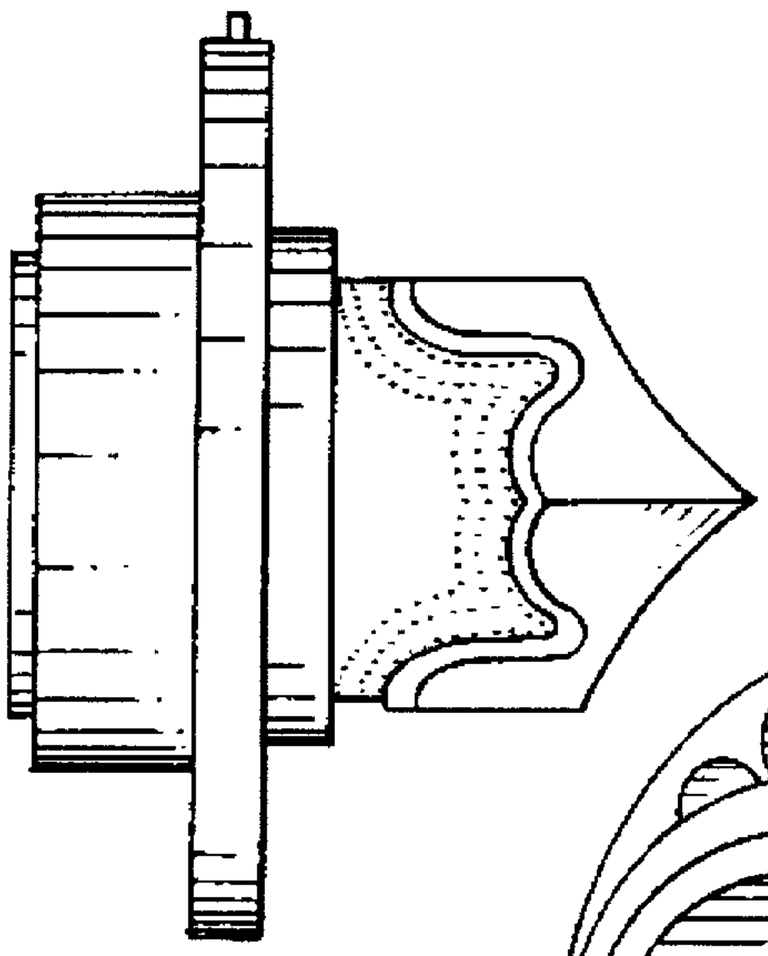

FIG. 11

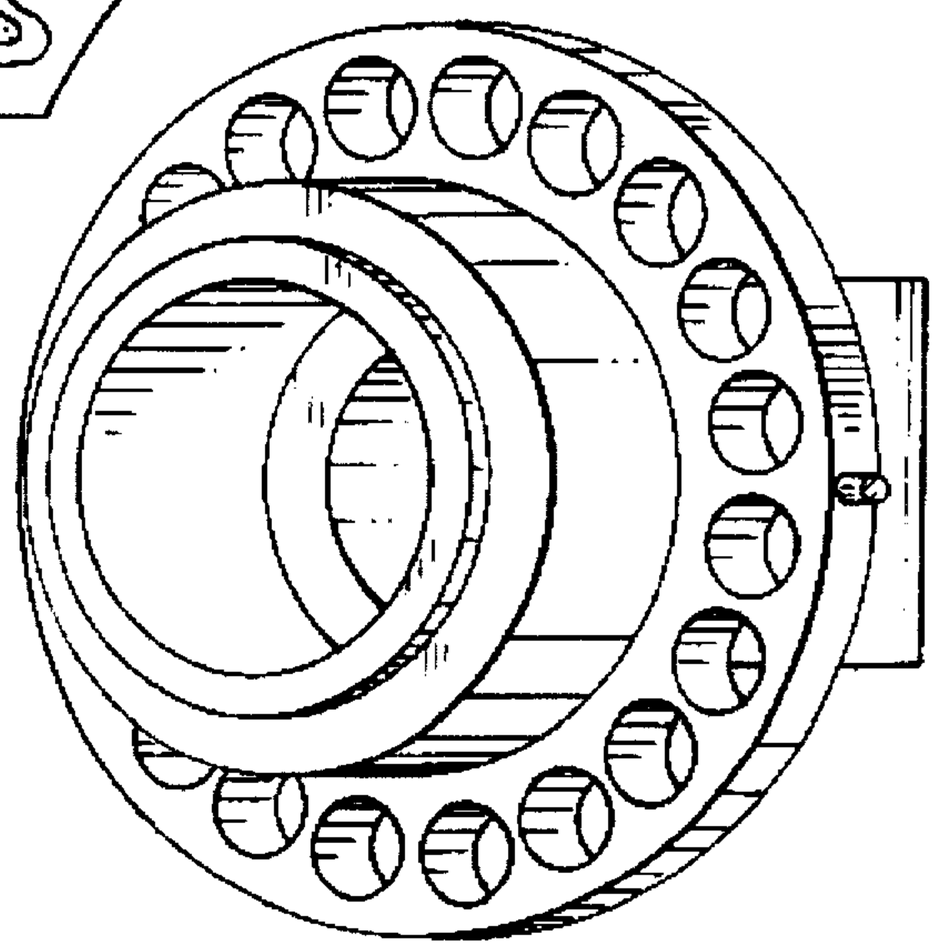

FIG. 12

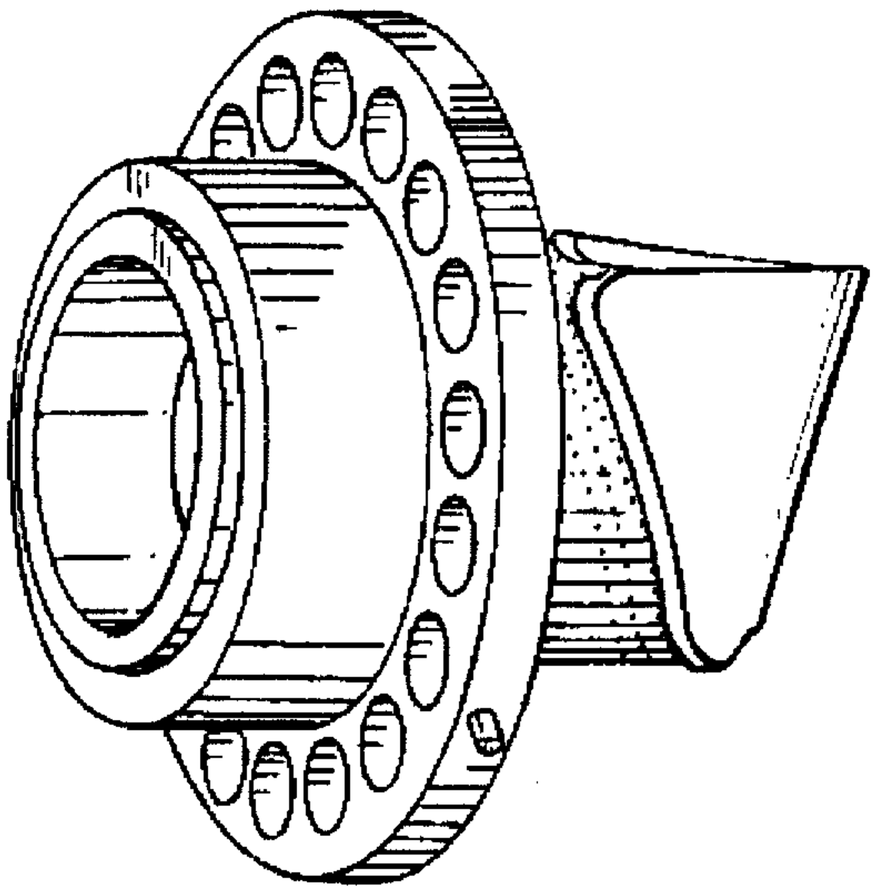

FIG. 13

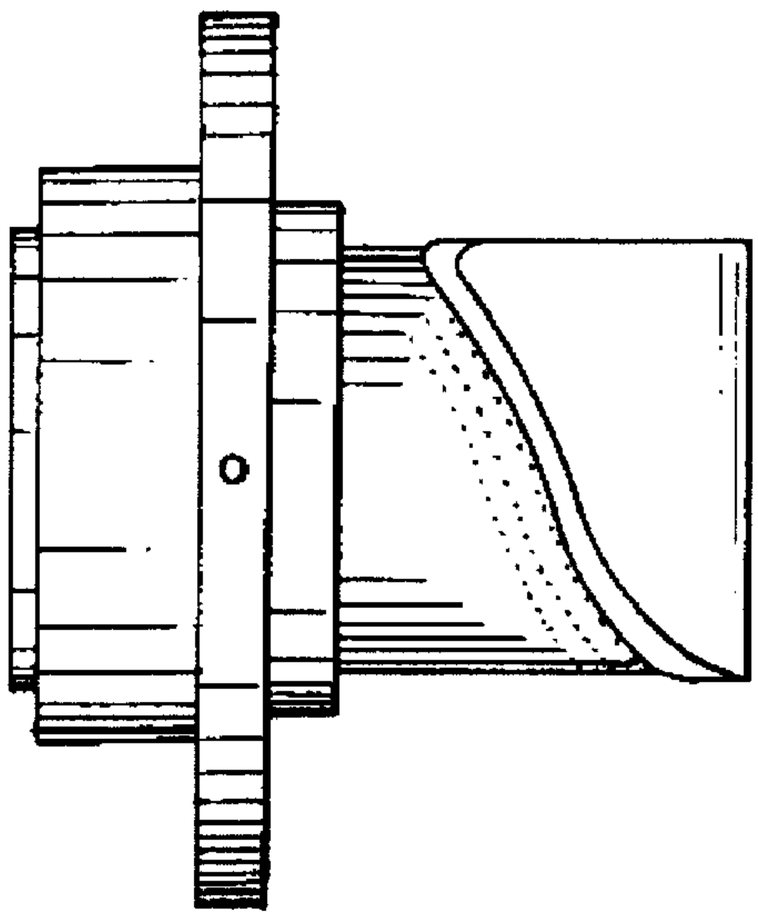

FIG. 14

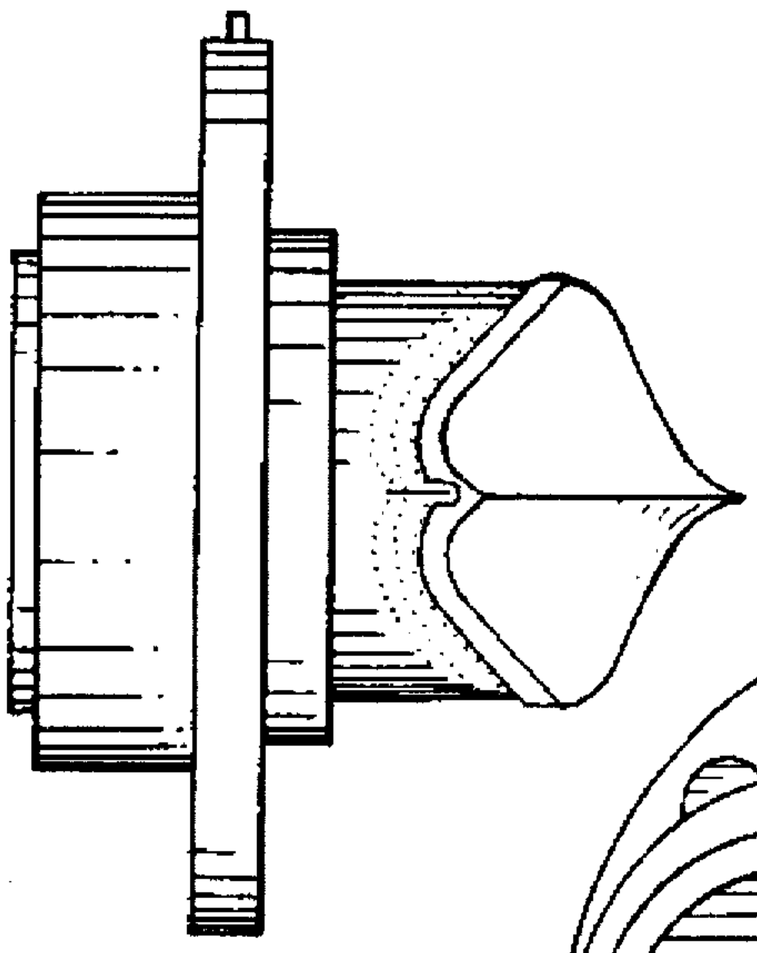

FIG. 15

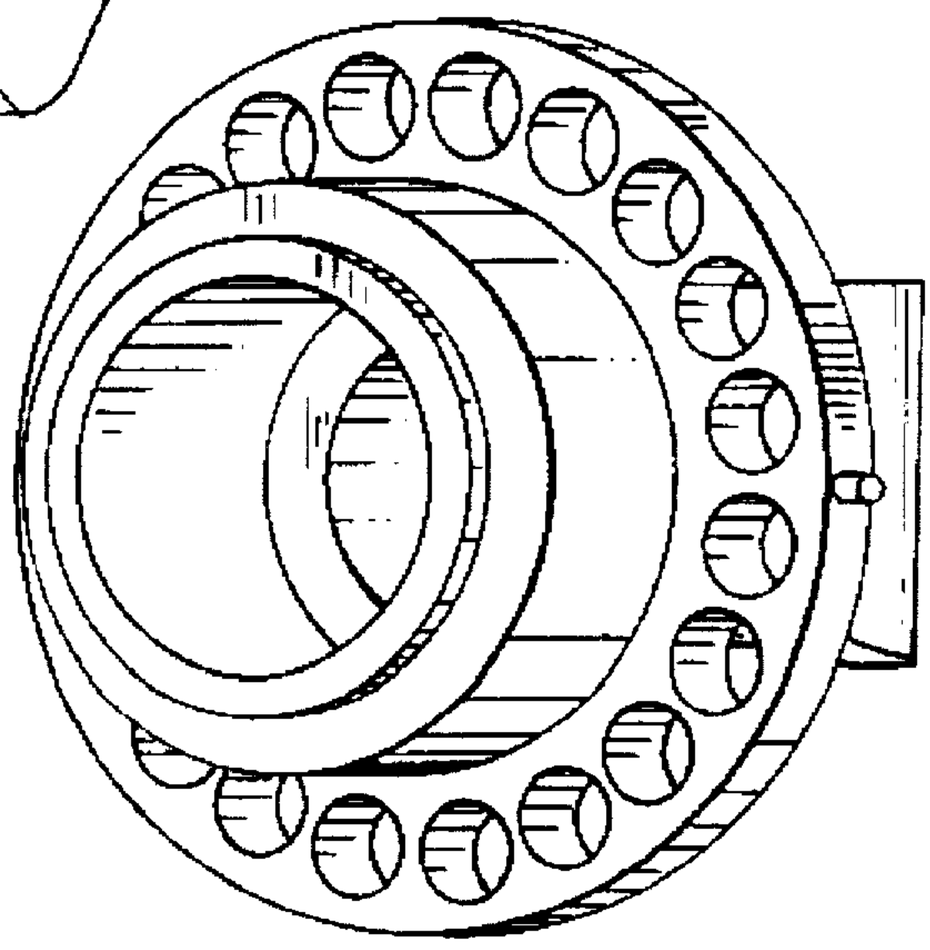

FIG. 16

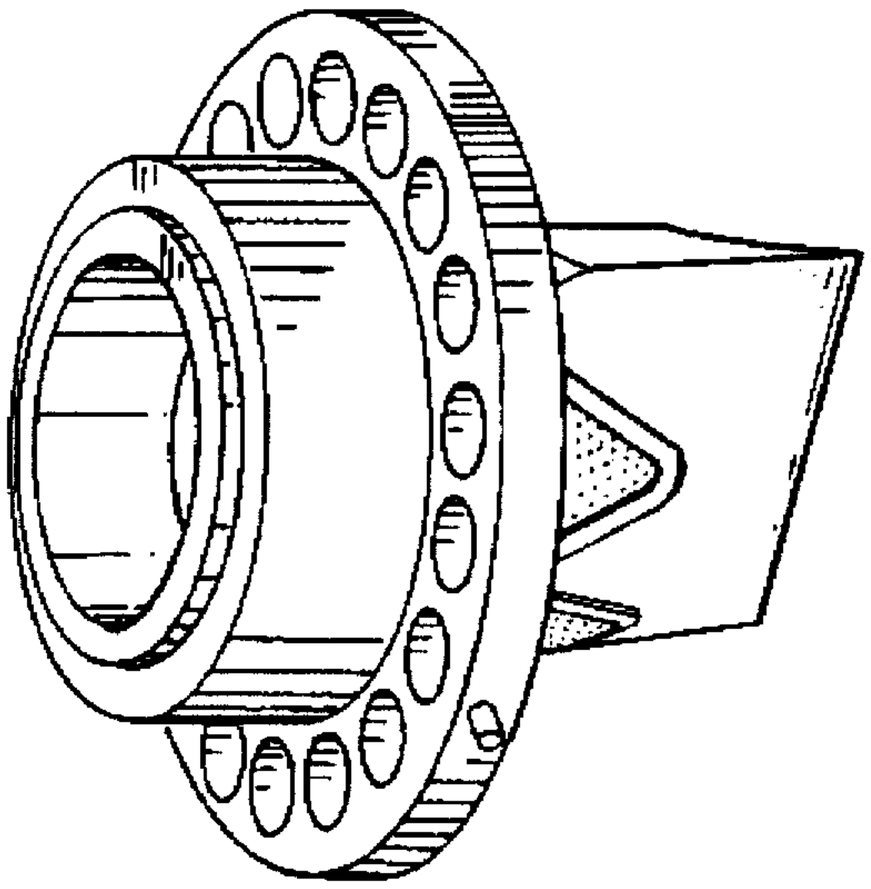

FIG. 17

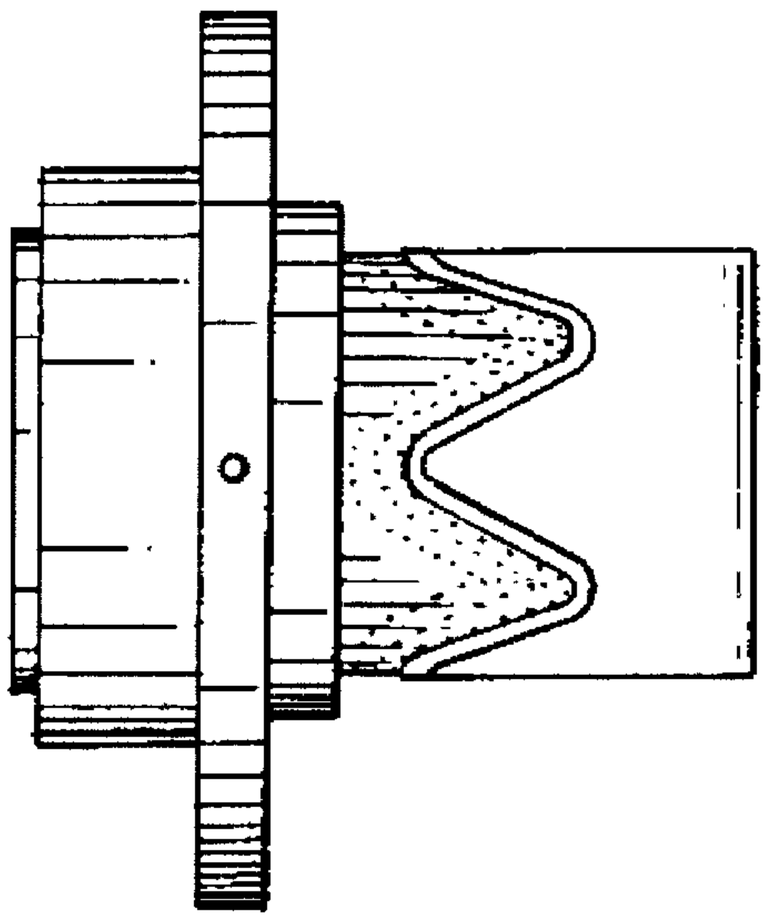

FIG. 18

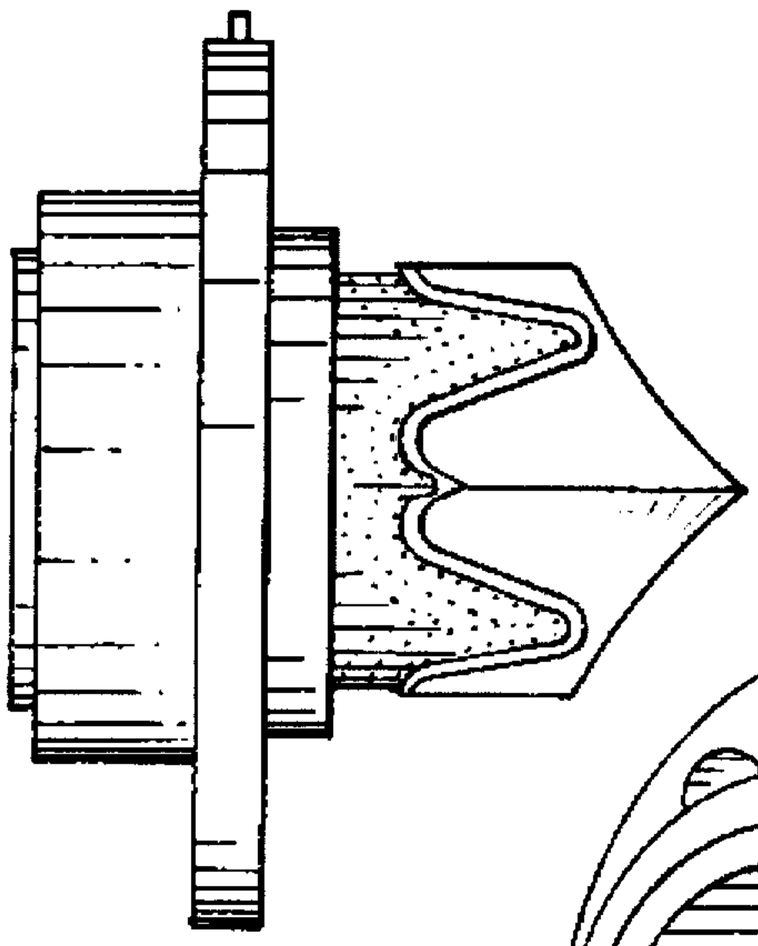

FIG. 19

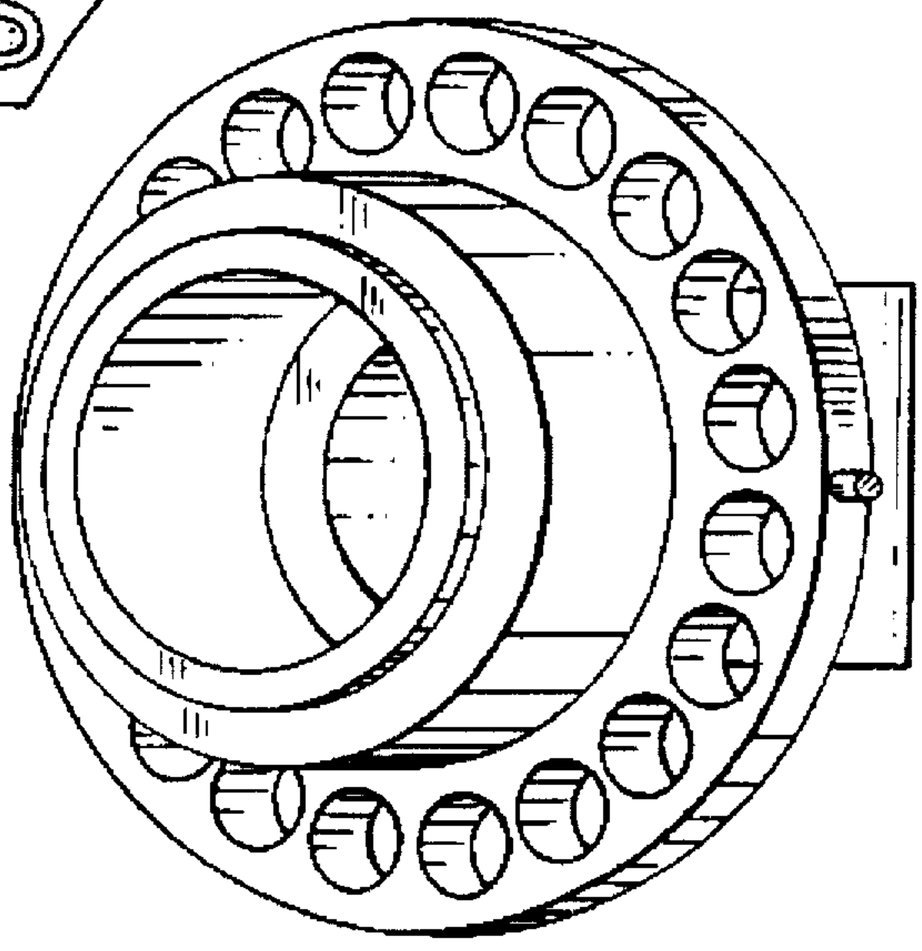

FIG. 20

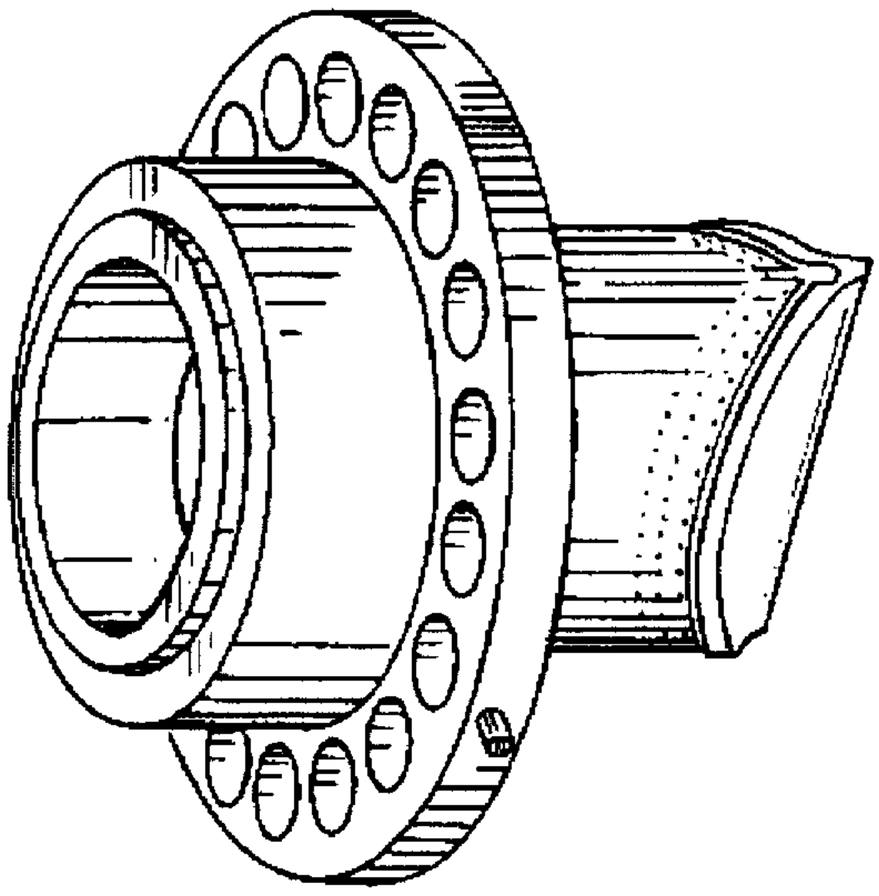

FIG. 21

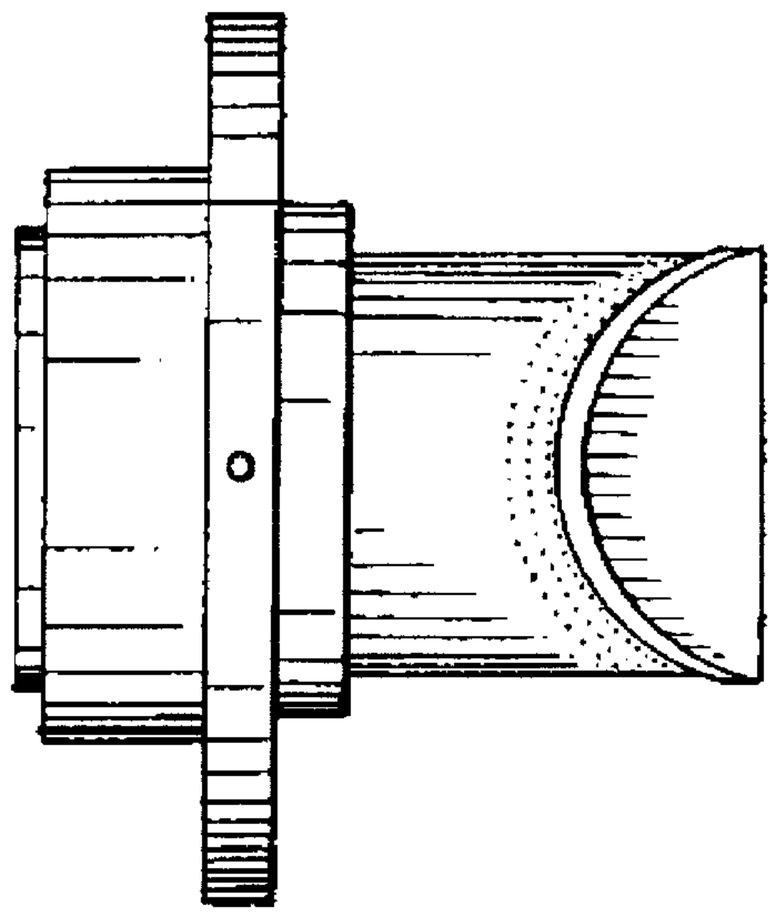

FIG. 22

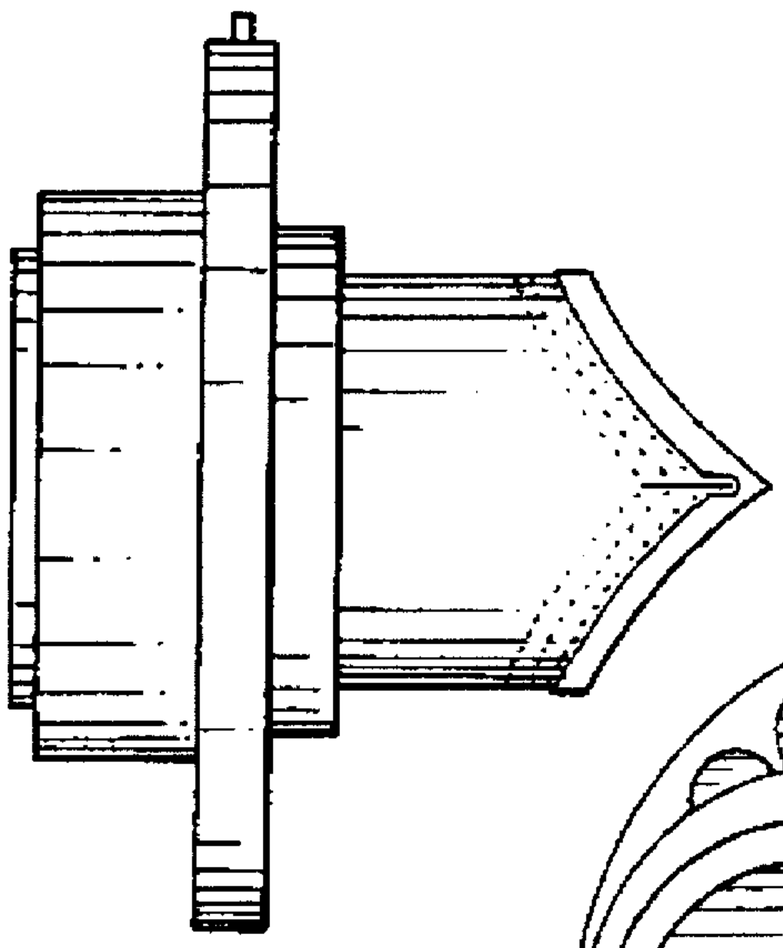

FIG. 23

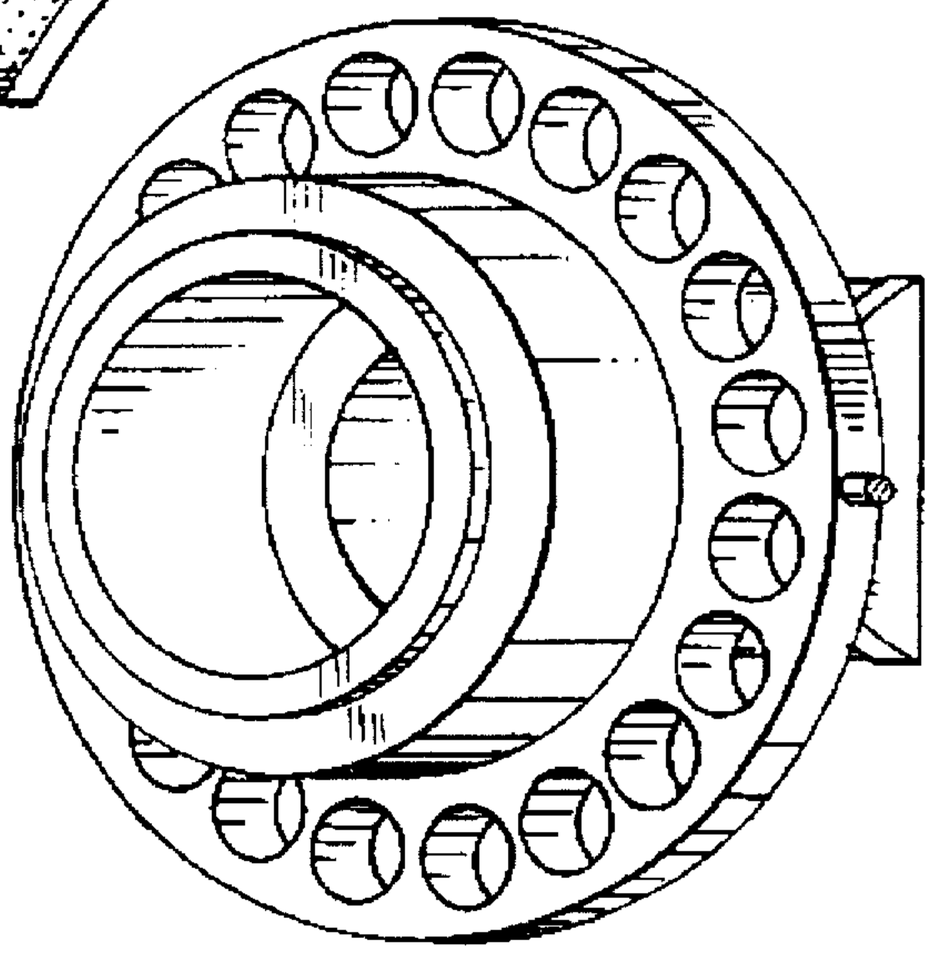

FIG. 24

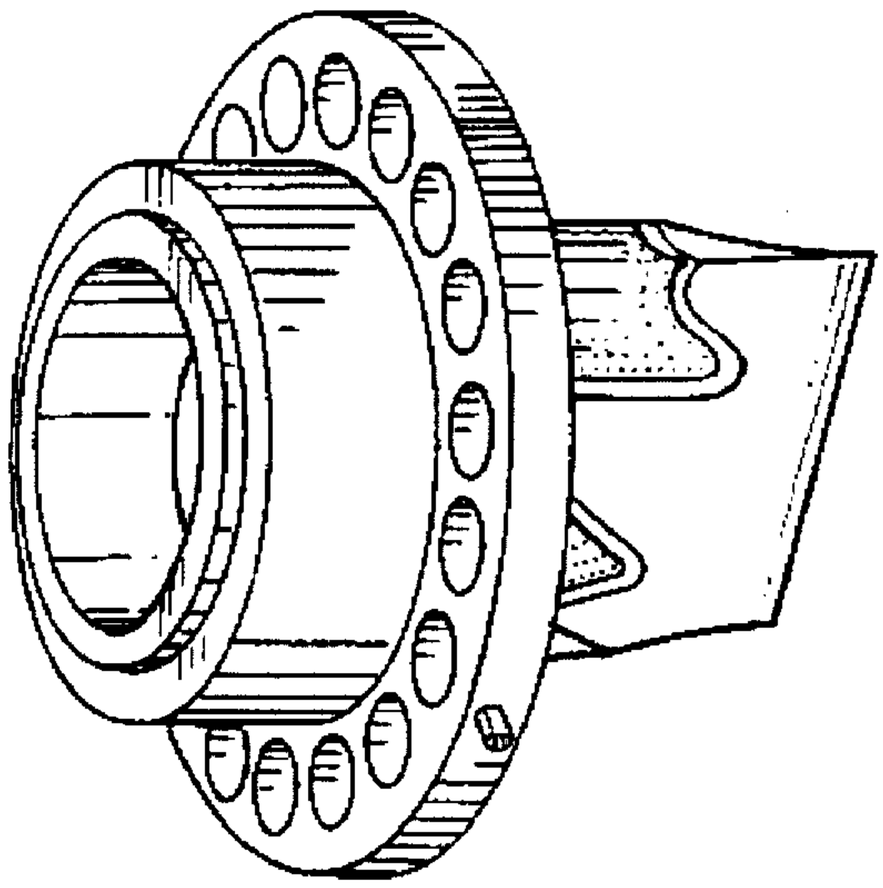

FIG. 25

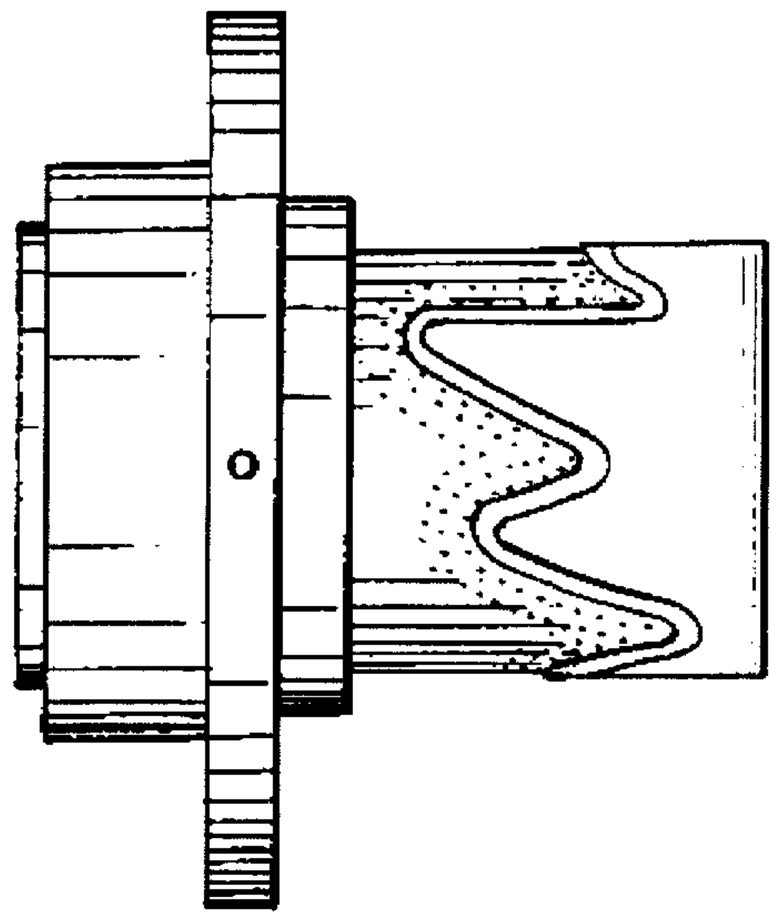

FIG. 26

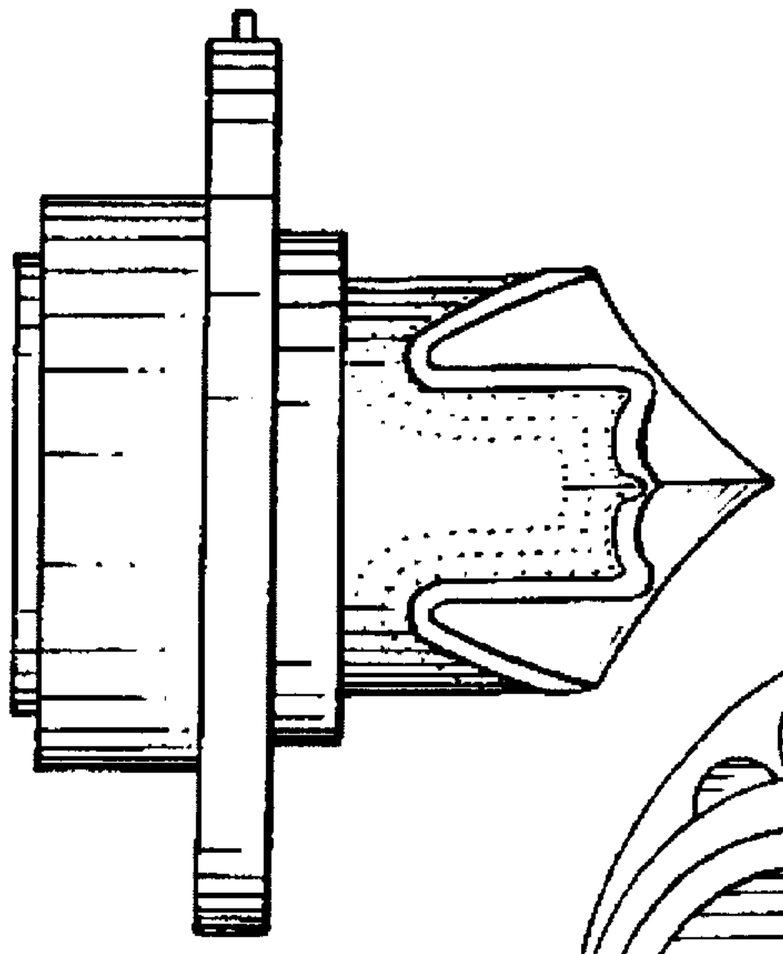

FIG. 27

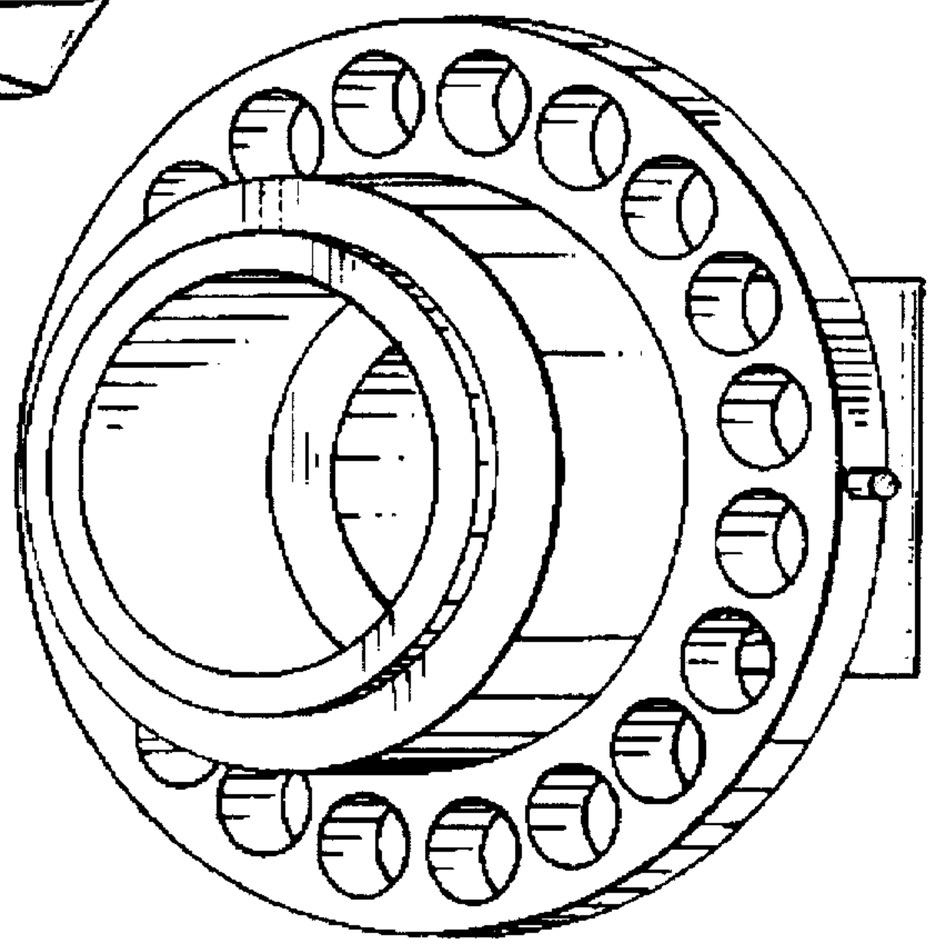

FIG. 28

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : Des. 372,488

DATED : August 6, 1996

INVENTOR(S) : Hans Linnér

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

FIG. 1 is a perspective view of a **for the** tube sealing system of the present invention;

Signed and Sealed this

Twenty-eighth Day of January, 1997

Attest:

BRUCE LEHMAN

Attesting Officer *Commissioner of Patents and Trademarks*