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# United States Patent [19]

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Essex et al.

[45] Date of Patent: **\*\* Aug. 23, 1994**

[54] **VACUUM CLEANER CONVERTER**

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5,092,015 3/1992 Kosten et al. .... 15/338

[75] Inventors: **John D. Essex**, North Canton;  
**Ronald J. Stephens**, Rittman, both of  
Ohio

### OTHER PUBLICATIONS

Regina Owner's Manual Models DM 1700 & DM 1800  
©1991.  
Eureka "Bravo" Upright Vacuum Cleaner Owner's  
Guide 9000 series ©1990.

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*Primary Examiner*—Ruth McInroy

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

[21] Appl. No.: **1,776**

### [57] CLAIM

The ornamental design for a vacuum cleaner converter,  
as shown and described.

[22] Filed: **Nov. 23, 1992**

[52] U.S. Cl. .... **D32/31**

[58] Field of Search ..... 15/323, 329, 332, 334,  
15/338; D32/25, 30-32

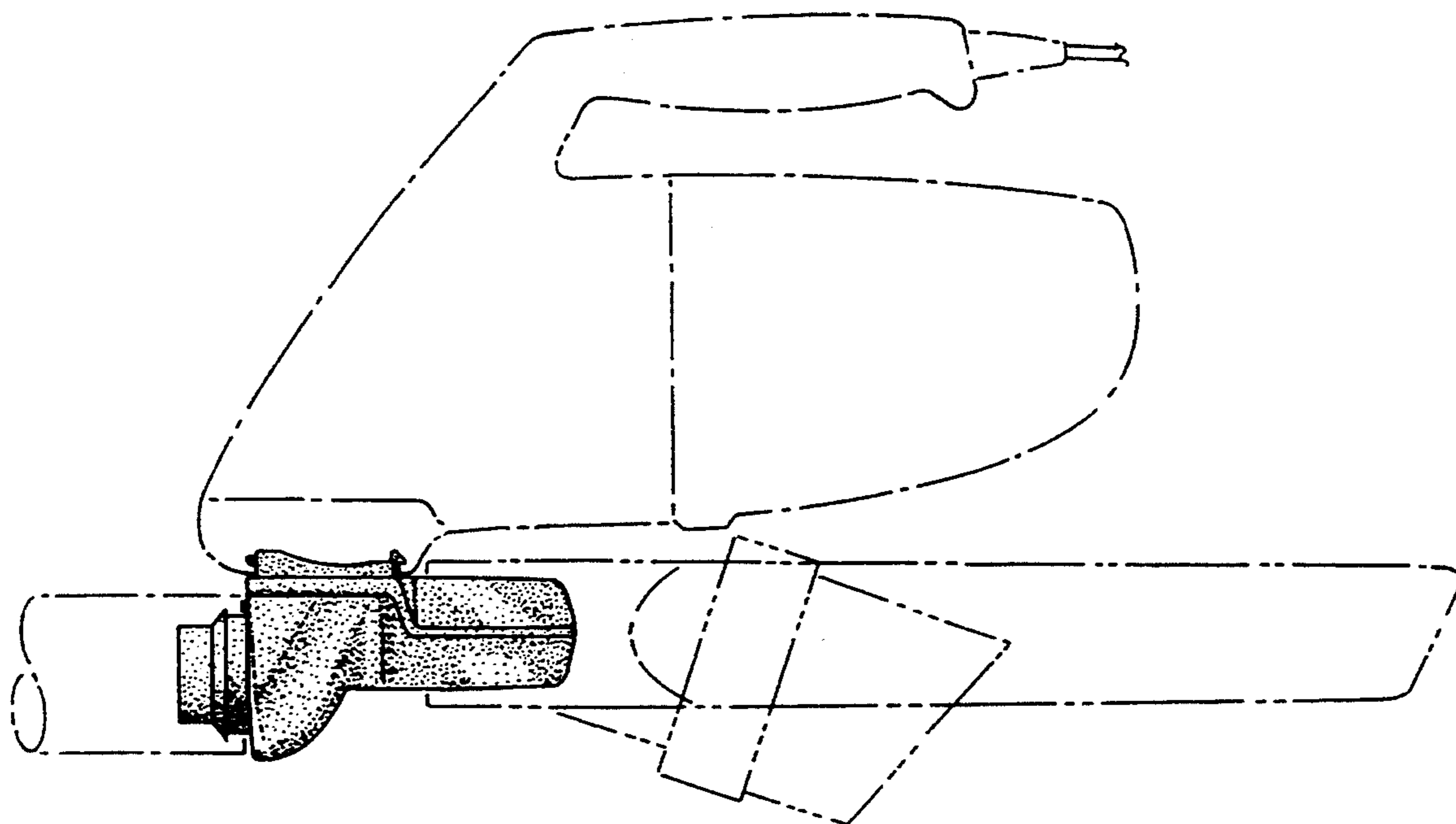
### DESCRIPTION

FIG. 1 is a left side elevational view of a vacuum  
cleaner converter showing our new design, the ele-  
ments shown in broken lines are for illustrative purposes  
only and form no part of the claimed design;  
FIG. 2 is an enlarged left side elevational view thereof,  
the right side being a mirror image;  
FIG. 3 is an enlarged front elevational view thereof;  
FIG. 4 is an enlarged top plan view thereof;  
FIG. 5 is an enlarged rear elevational view thereof;  
FIG. 6 is an enlarged bottom plan view thereof; and,  
FIG. 7 is an enlarged partial cross sectional view taken  
along line 7-7 in FIG. 4.

### [56] References Cited

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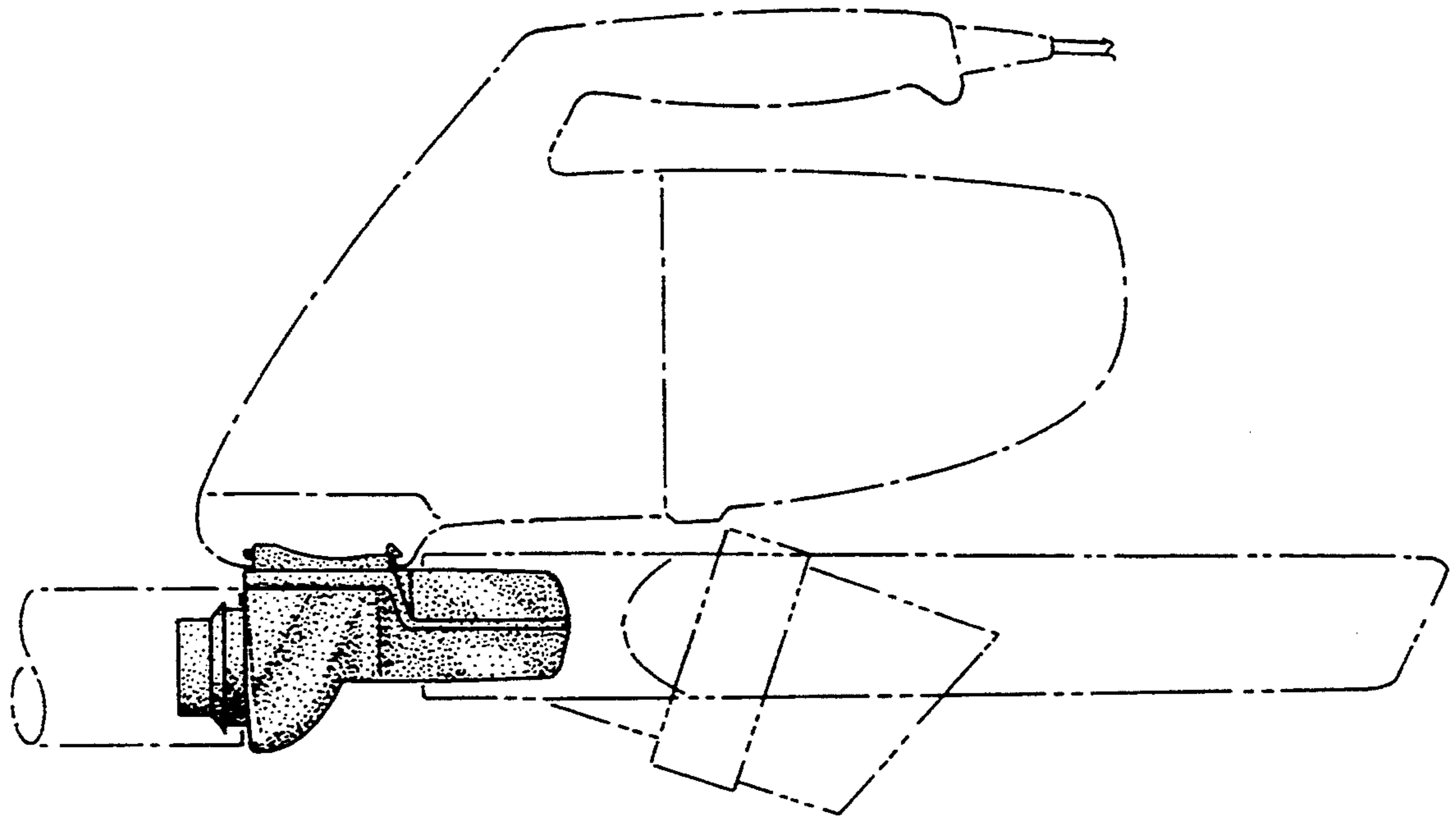


FIG.-1

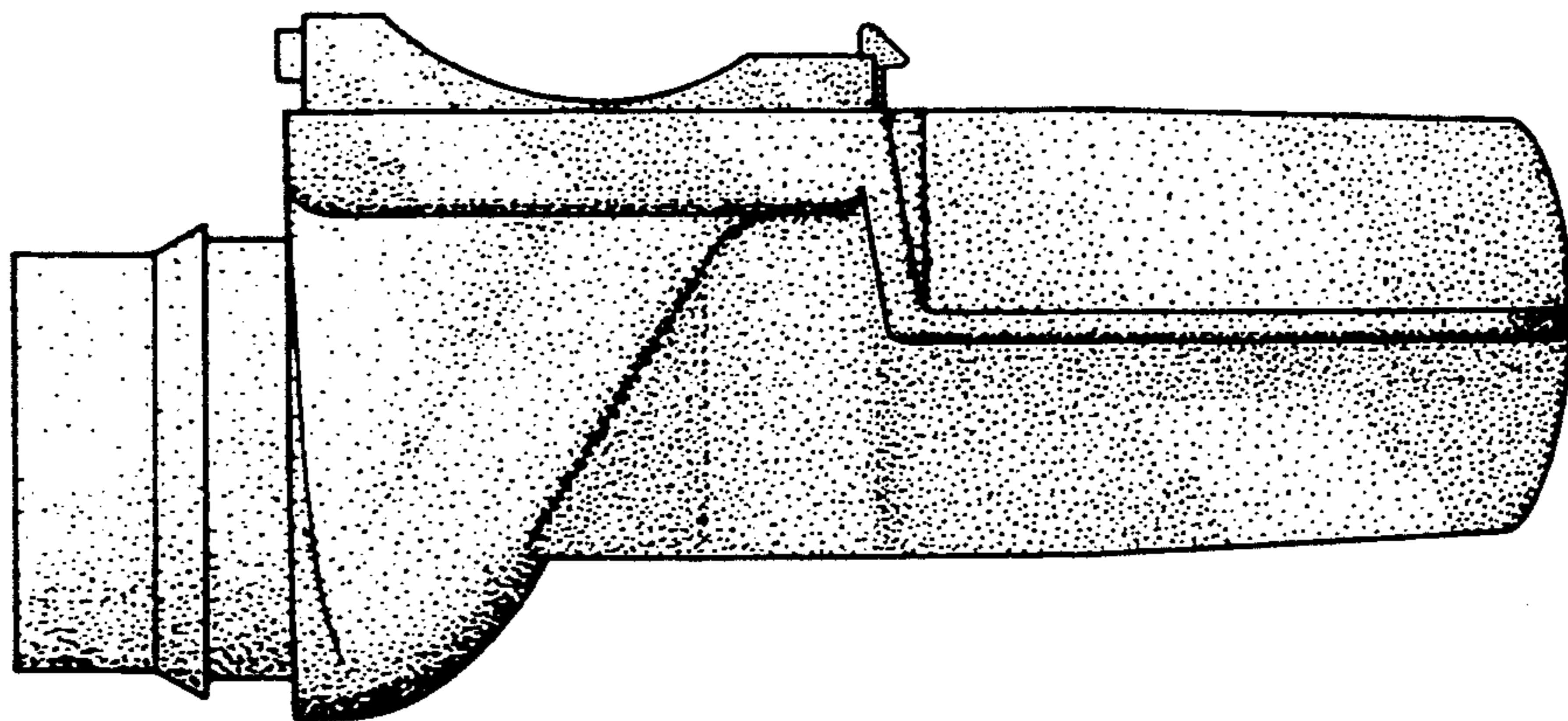


FIG.-2

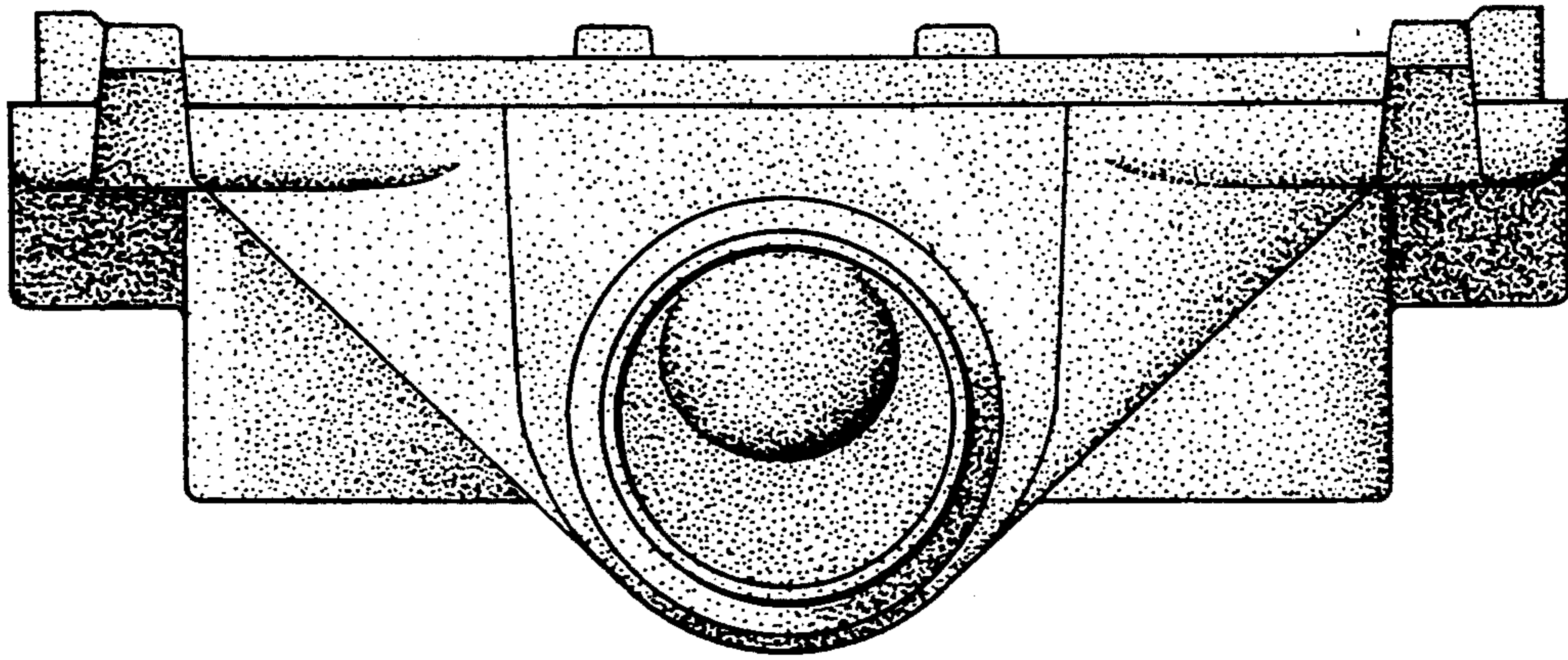


FIG.-3

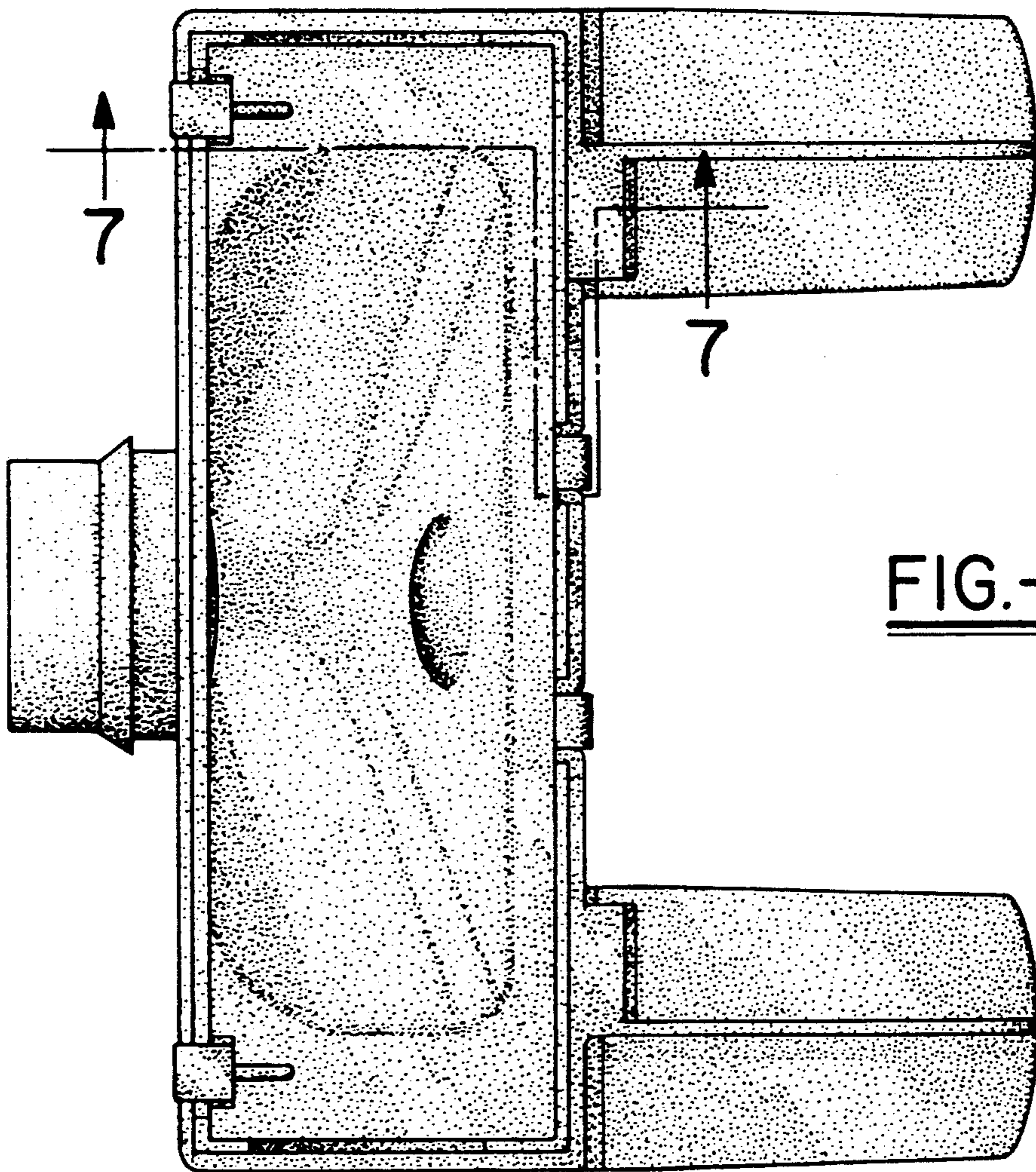


FIG.-4

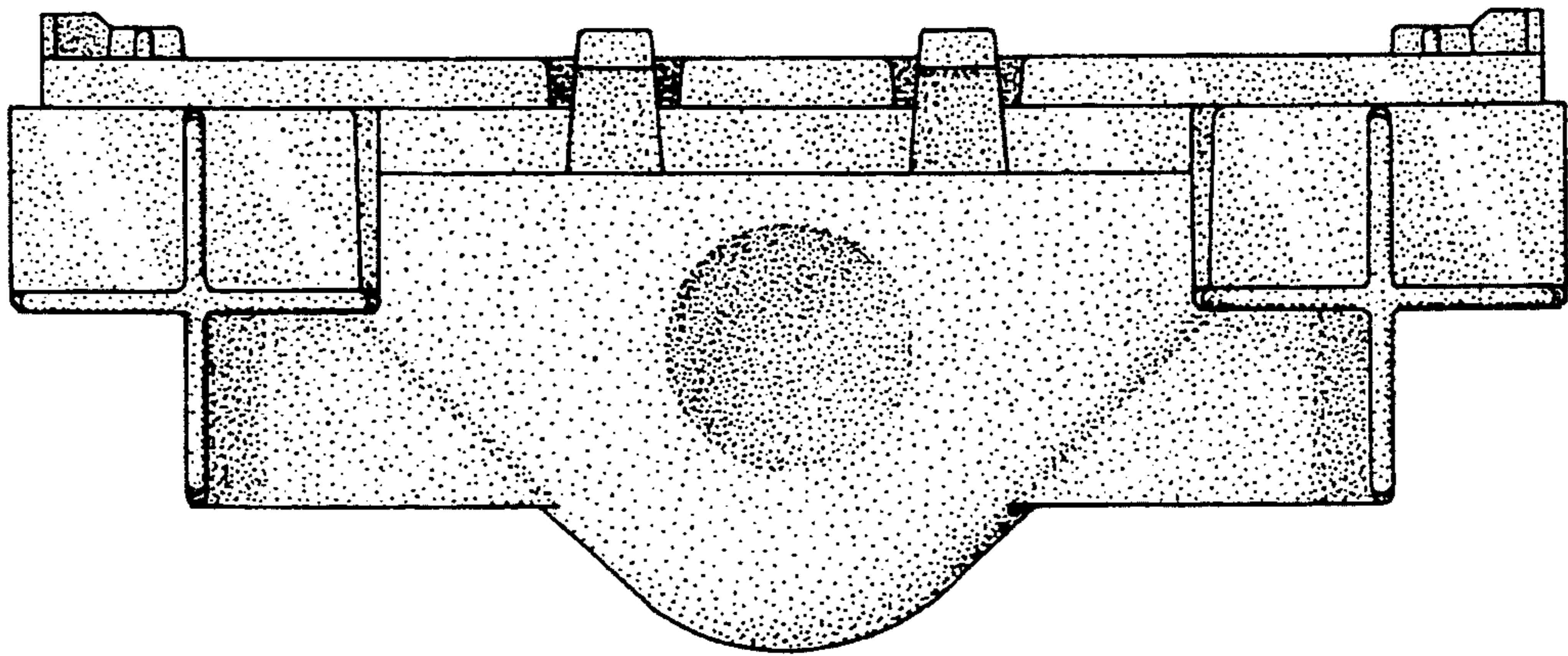


FIG.-5

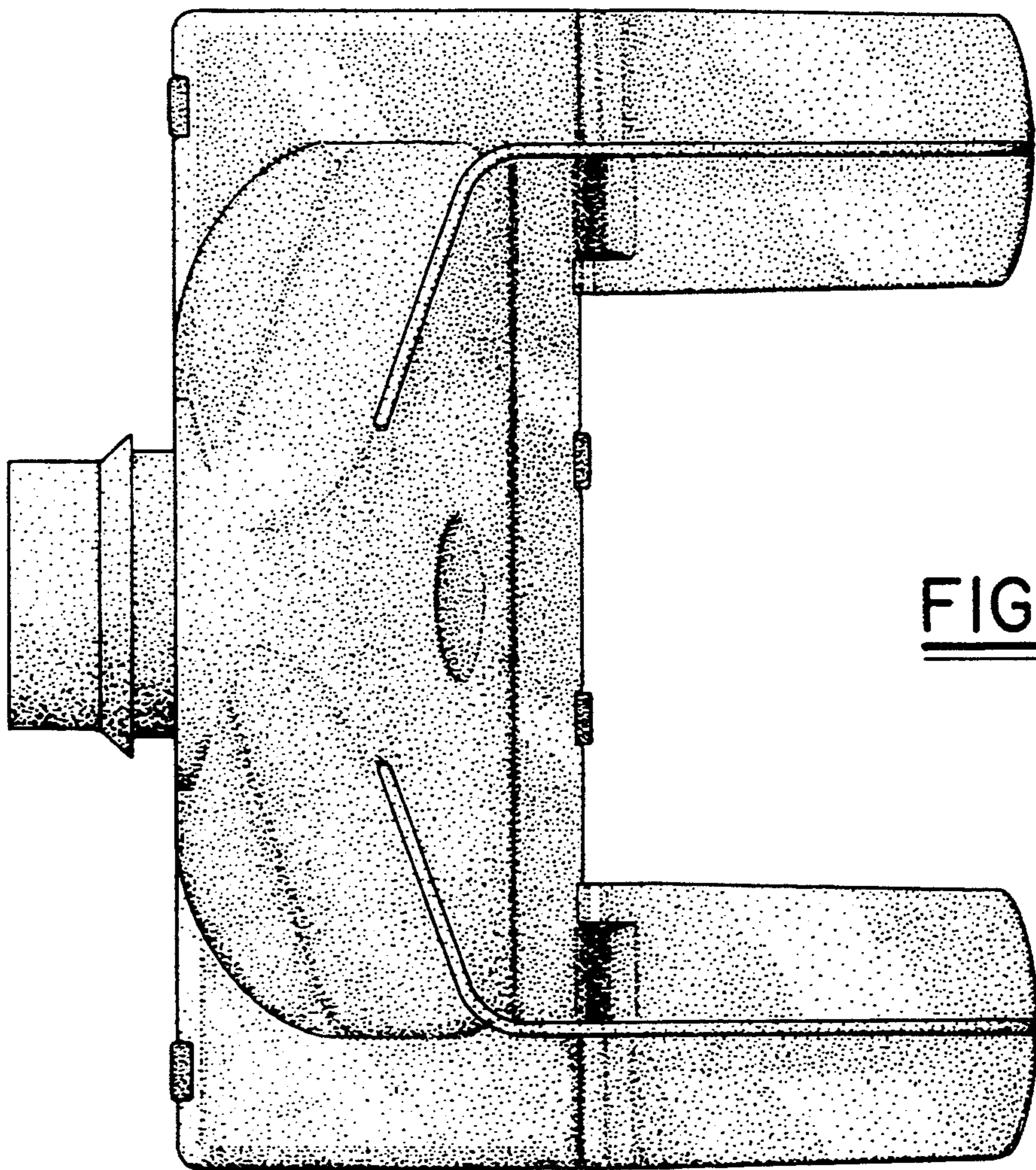


FIG.-6

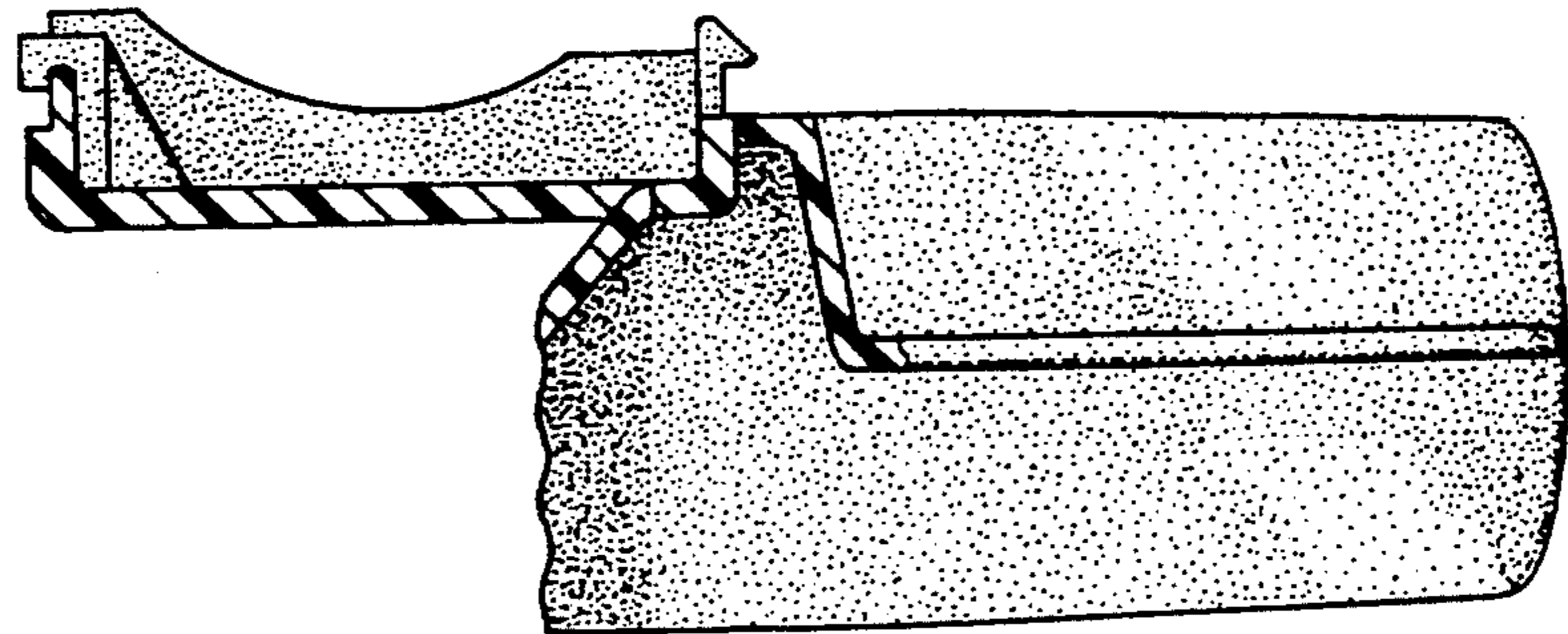


FIG.-7