

US00D504495S

(12) **United States Design Patent** (10) **Patent No.:** **US D504,495 S**
Sato (45) **Date of Patent:** **** Apr. 26, 2005**

(54) **GATE VALVE**

(75) **Inventor:** **Toshiyuki Sato**, Ibaraki (JP)

(73) **Assignee:** **Suiken Co., Ltd.**, Gamo-Gun (JP)

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

(21) **Appl. No.:** **29/186,982**

(22) **Filed:** **Jul. 25, 2003**

(30) **Foreign Application Priority Data**

Feb. 28, 2003 (JP) 2003-005254
Feb. 28, 2003 (JP) 2003-005263

(51) **LOC (7) Cl.** **23-01**

(52) **U.S. Cl.** **D23/244**

(58) **Field of Search** D23/244, 233,
D23/247-248; 251/326-329

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Primary Examiner—Nelson C. Holtje

(74) *Attorney, Agent, or Firm*—Fulbright & Jaworski L.L.P.

(57) **CLAIM**

The ornamental design for a gate valve, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a first embodiment of a gate valve showing my new design;

FIG. 2 is a rear view of the first embodiment;

FIG. 3 is a top plan view of the first embodiment;

FIG. 4 is a bottom plan view of the first embodiment;

FIG. 5 is a right side view of the first embodiment;

FIG. 6 is a left side view of the first embodiment;

FIG. 7 is a cross-sectional view of the first embodiment, taken along line 7—7 in FIG. 1;

FIG. 8 is a cross-sectional view of the first embodiment, taken along line 8—8 in FIG. 1;

FIG. 9 is a cross-sectional view of the first embodiment, taken along line 9—9 in FIG. 5;

FIG. 10 is a cross-sectional view of the first embodiment, taken along line 10—10 in FIG. 3;

FIG. 11 is a perspective view of the first embodiment;

FIG. 12 is a front view of a second embodiment of a gate valve showing my new design;

FIG. 13 is a top plan view of the second embodiment;

FIG. 14 is a bottom plan view of the second embodiment;

FIG. 15 is a right side view of the second embodiment;

FIG. 16 is a left side view of the second embodiment;

FIG. 17 is a cross-sectional view of the second embodiment, taken along line 17—17 in FIG. 12;

FIG. 18 is a cross-sectional view of the second embodiment, taken along line 18—18 in FIG. 12;

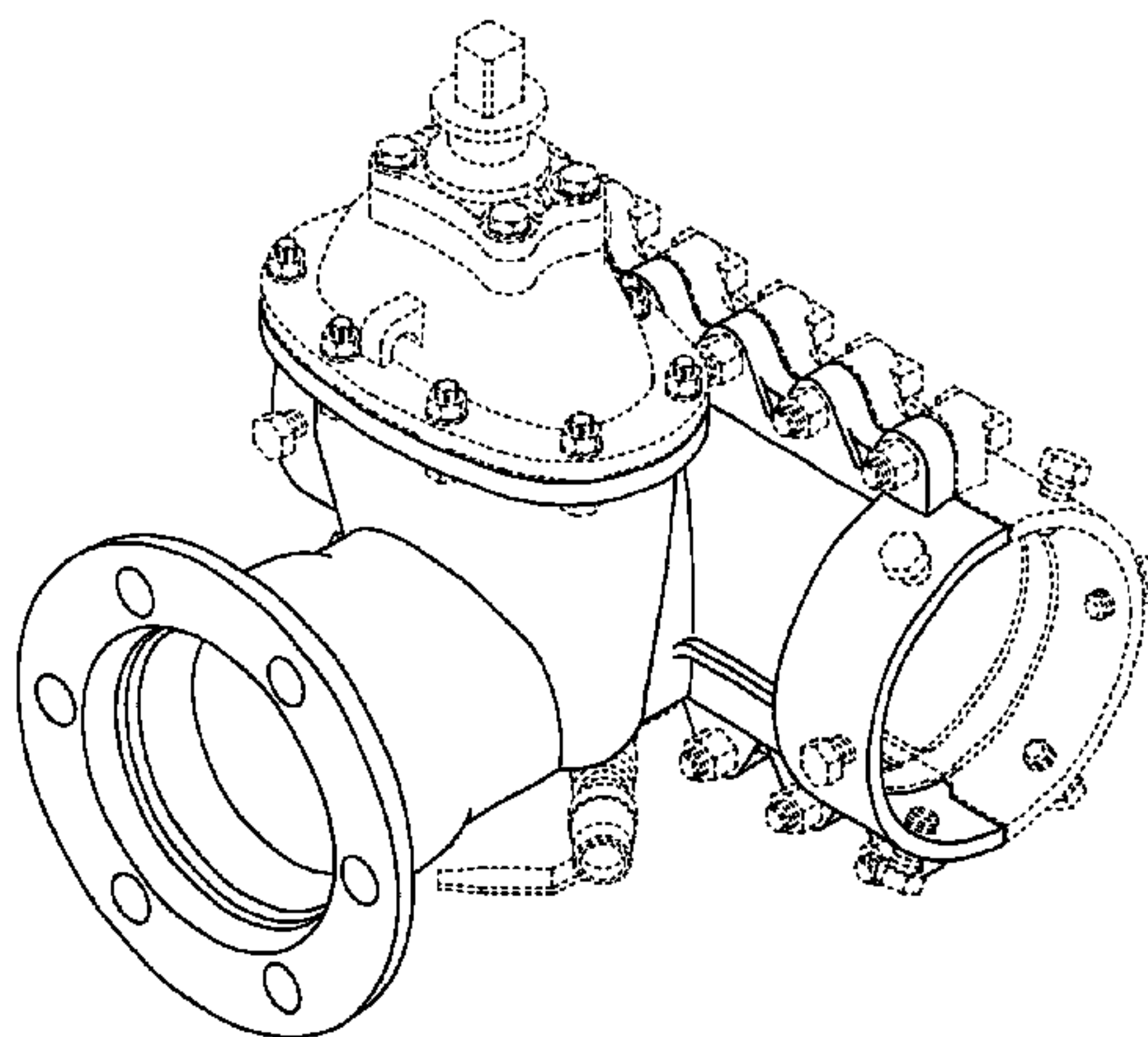
FIG. 19 is a cross-sectional view of the second embodiment, taken along line 19—19 in FIG. 15;

FIG. 20 is a cross-sectional view of the second embodiment, taken along line 20—20 in FIG. 13; and,

FIG. 21 is a perspective view of the second embodiment.

The dashed lines shown in the figures represent environmental structure and form no part of the claimed design. The surface(s) or portion(s) of the embodiments of the gate valve not shown in the figures or otherwise described in the specification form(s) no part of the claimed design.

1 Claim, 21 Drawing Sheets



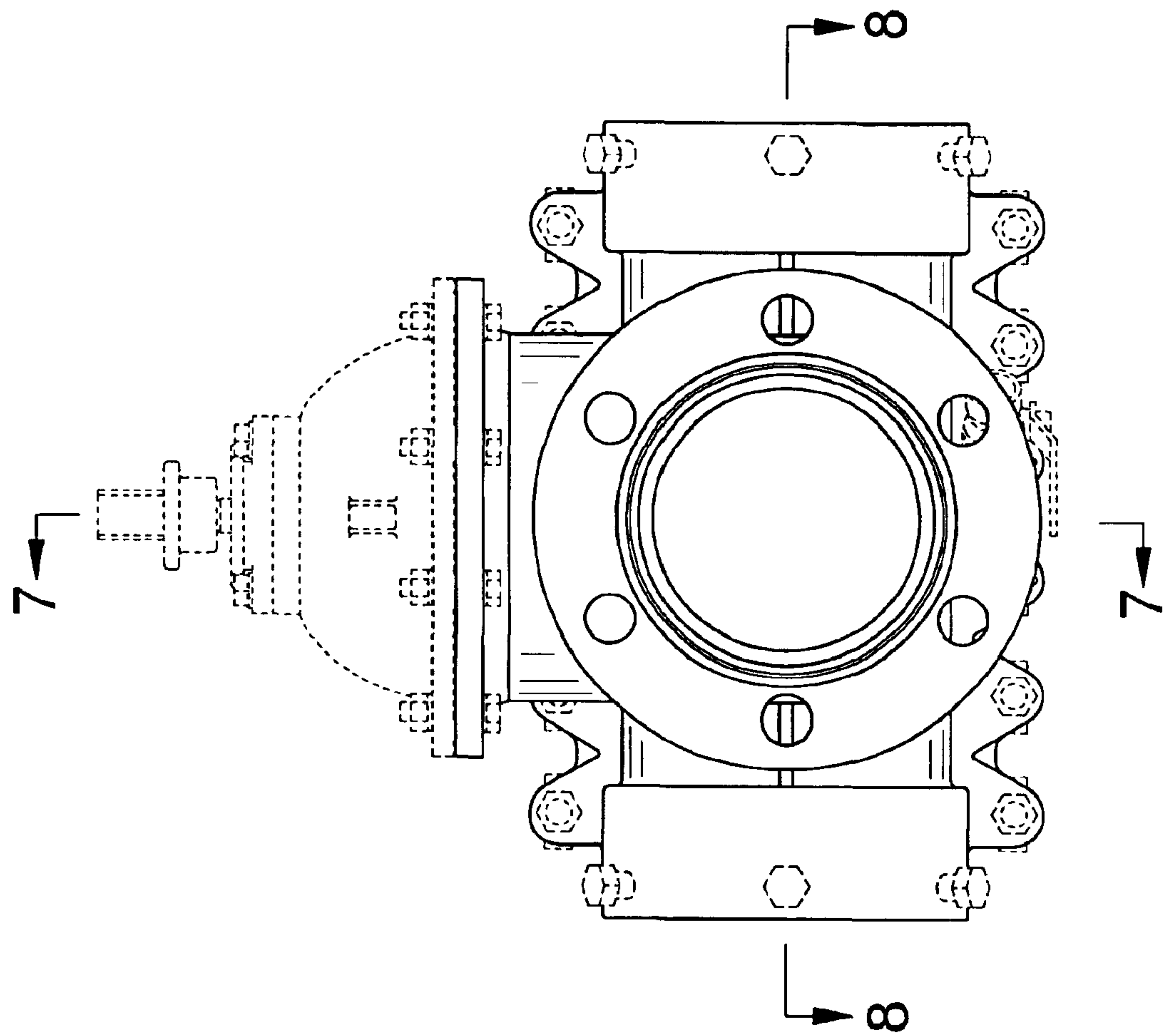


FIG. 1

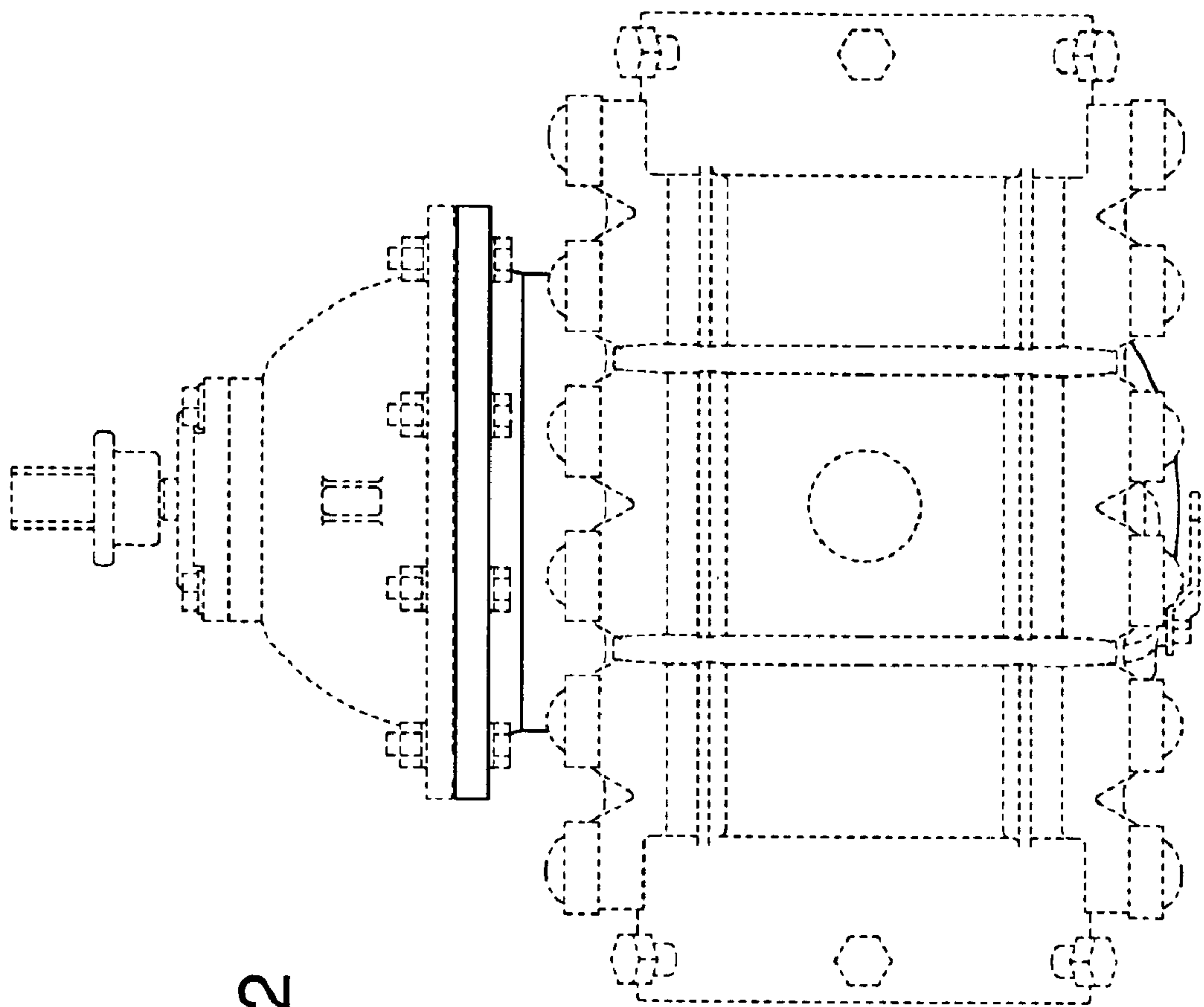


FIG. 2

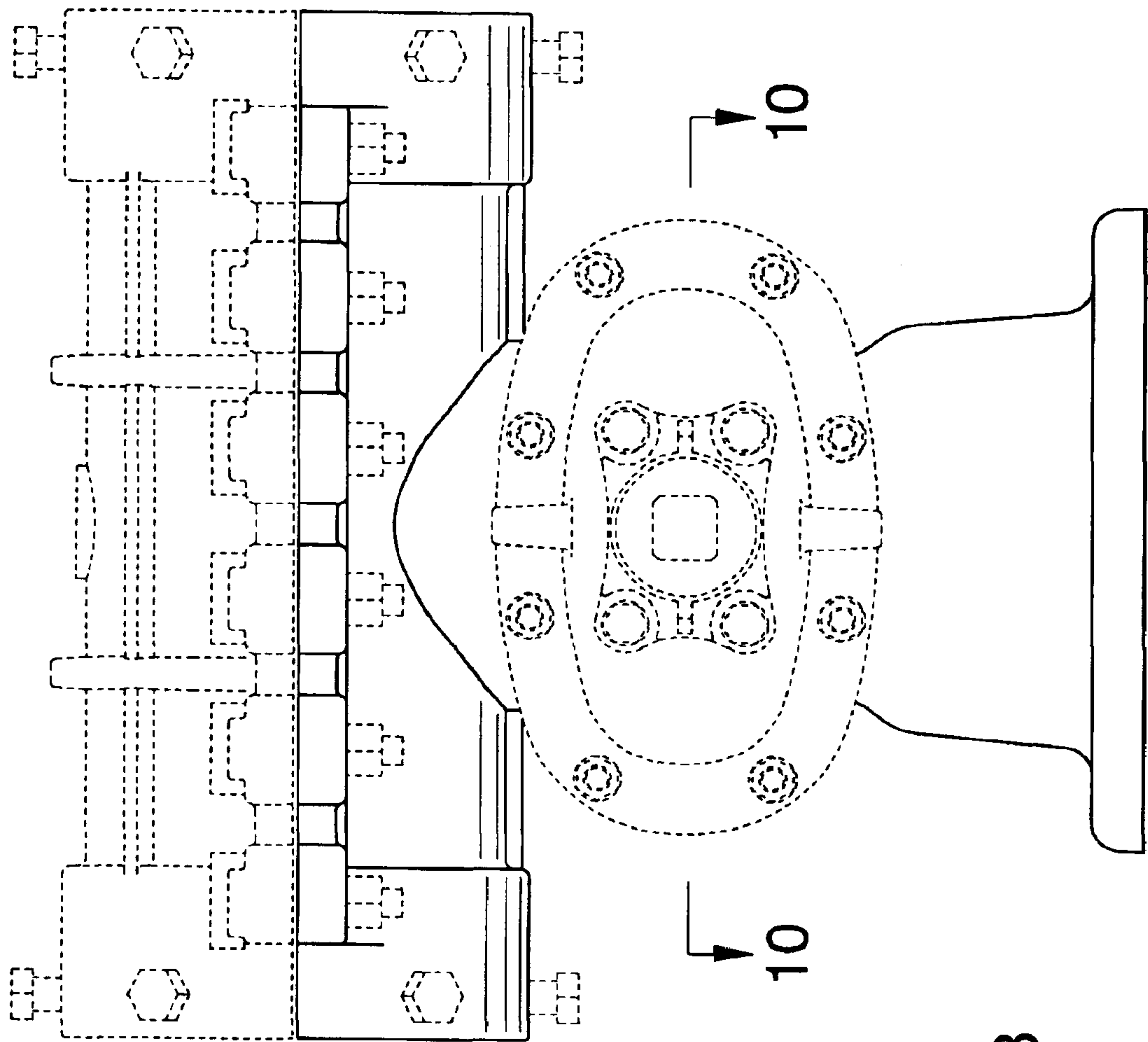


FIG. 3

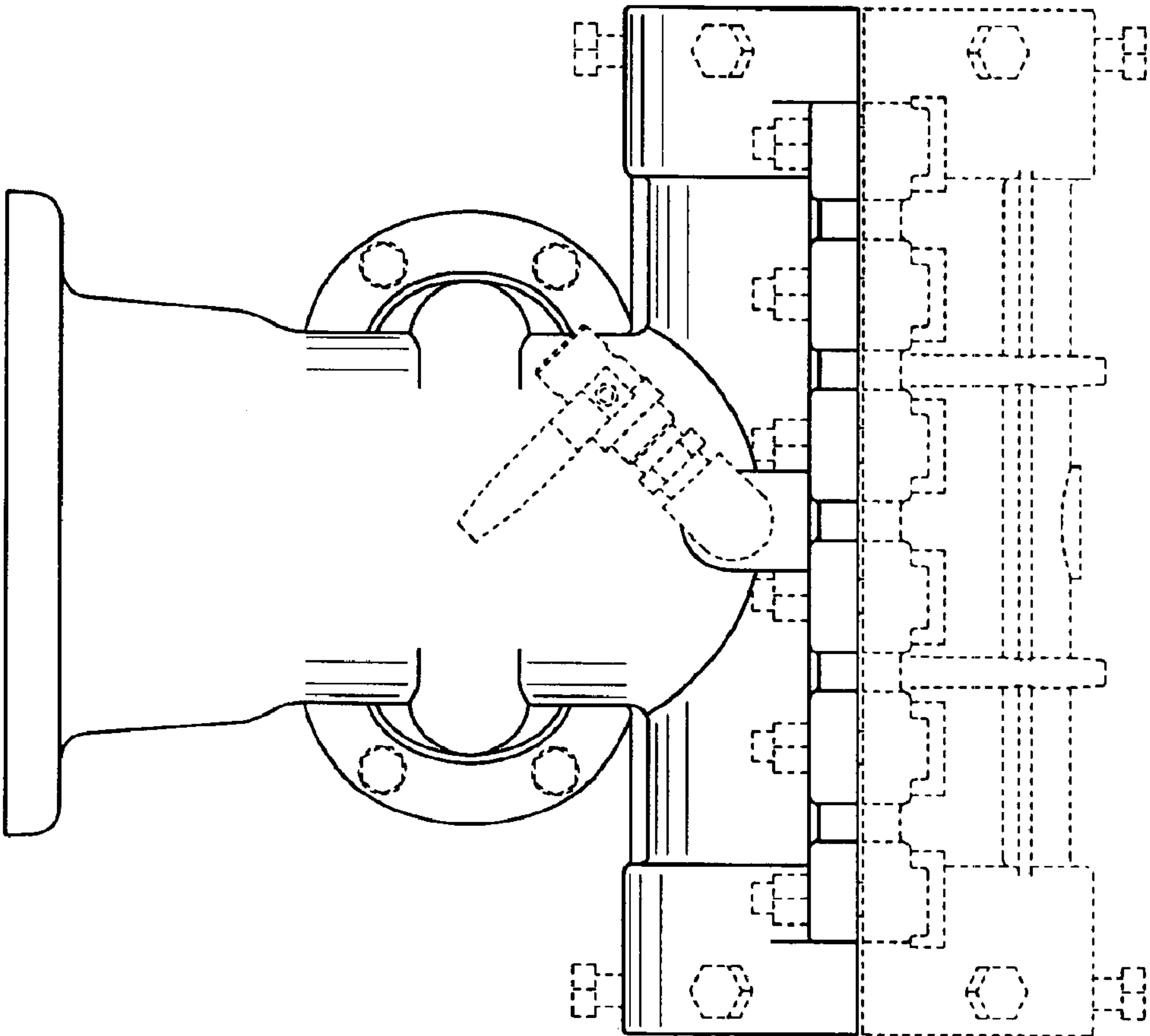


FIG. 4

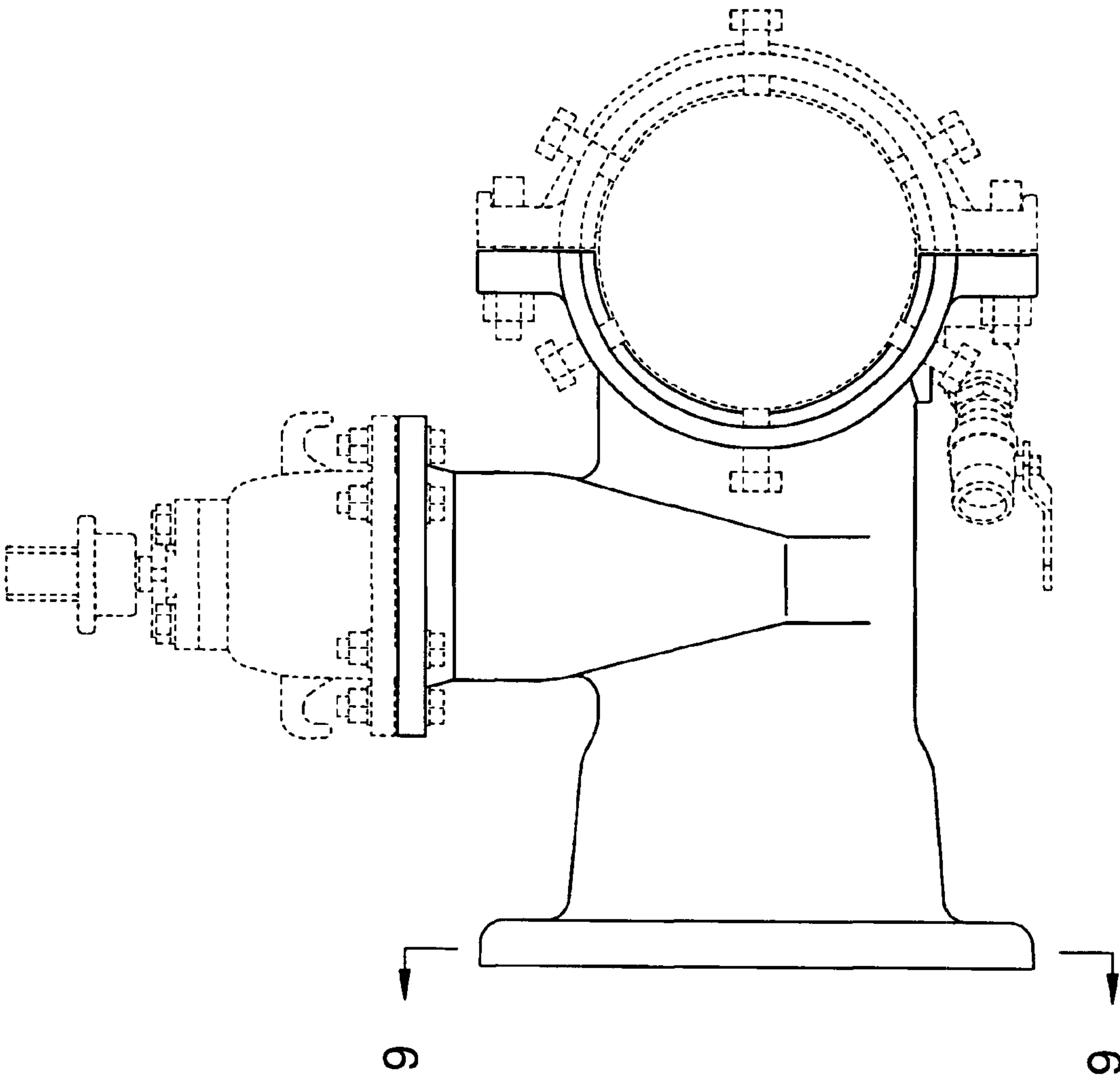


FIG. 5

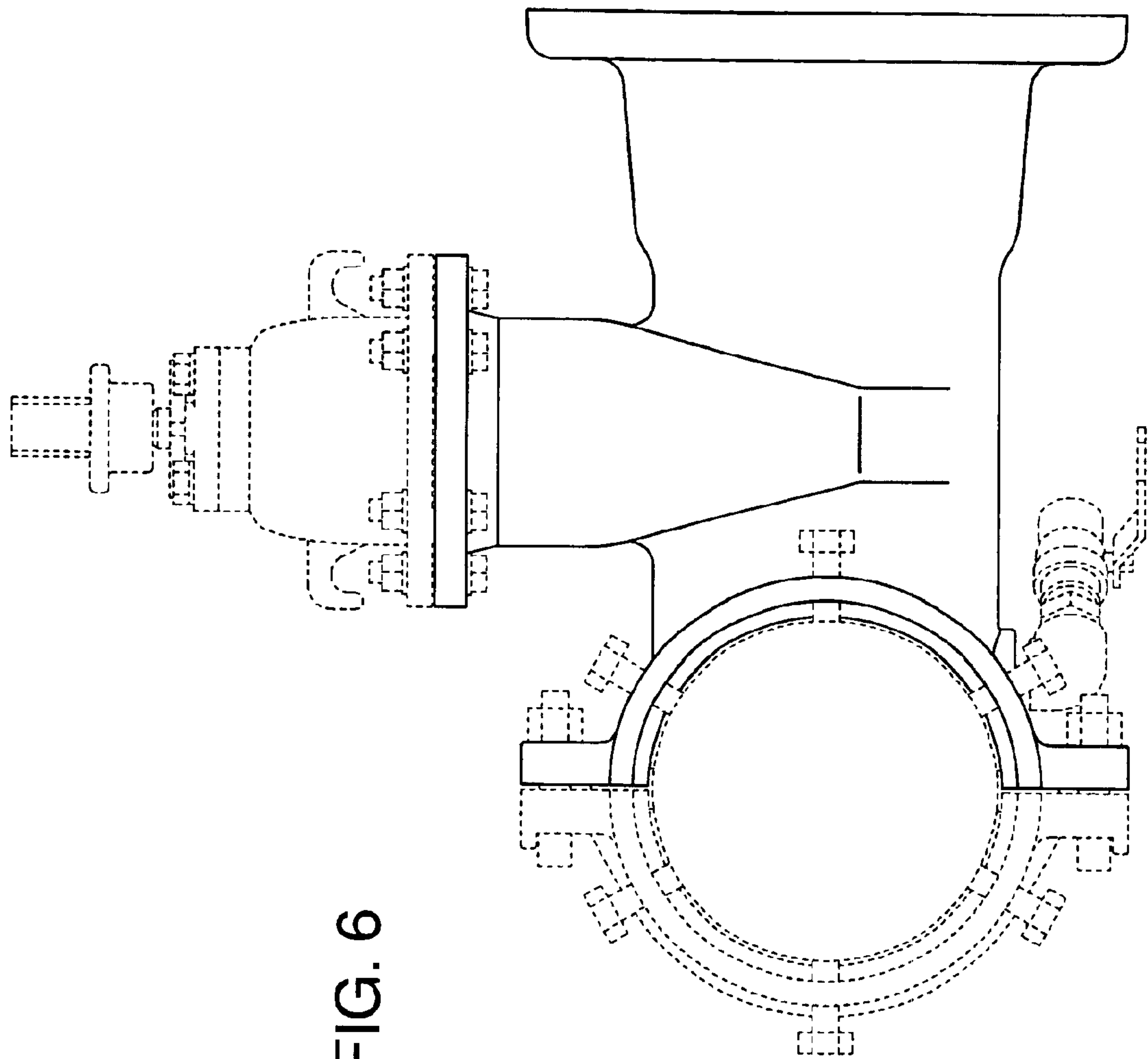
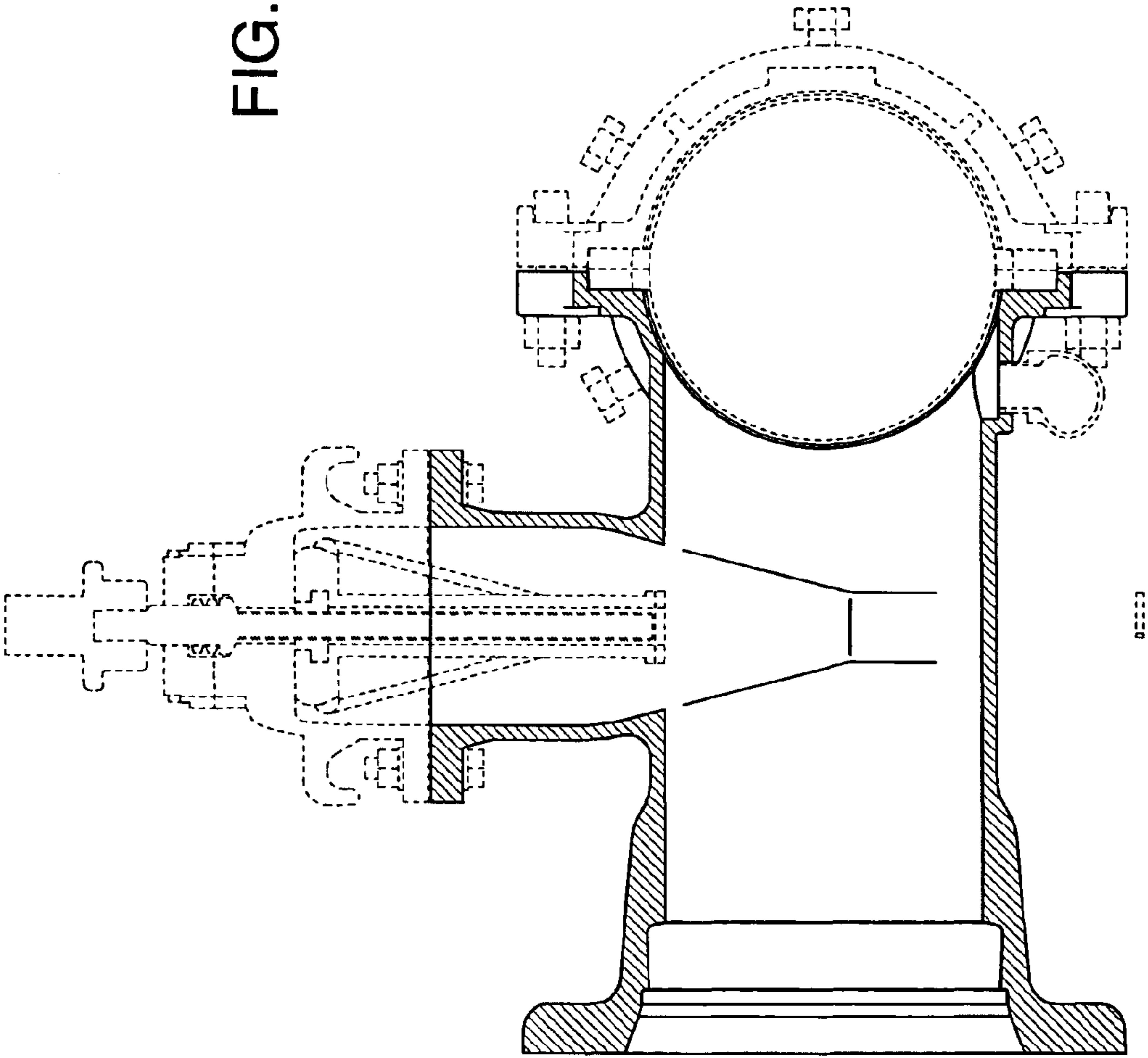


FIG. 6

FIG. 7



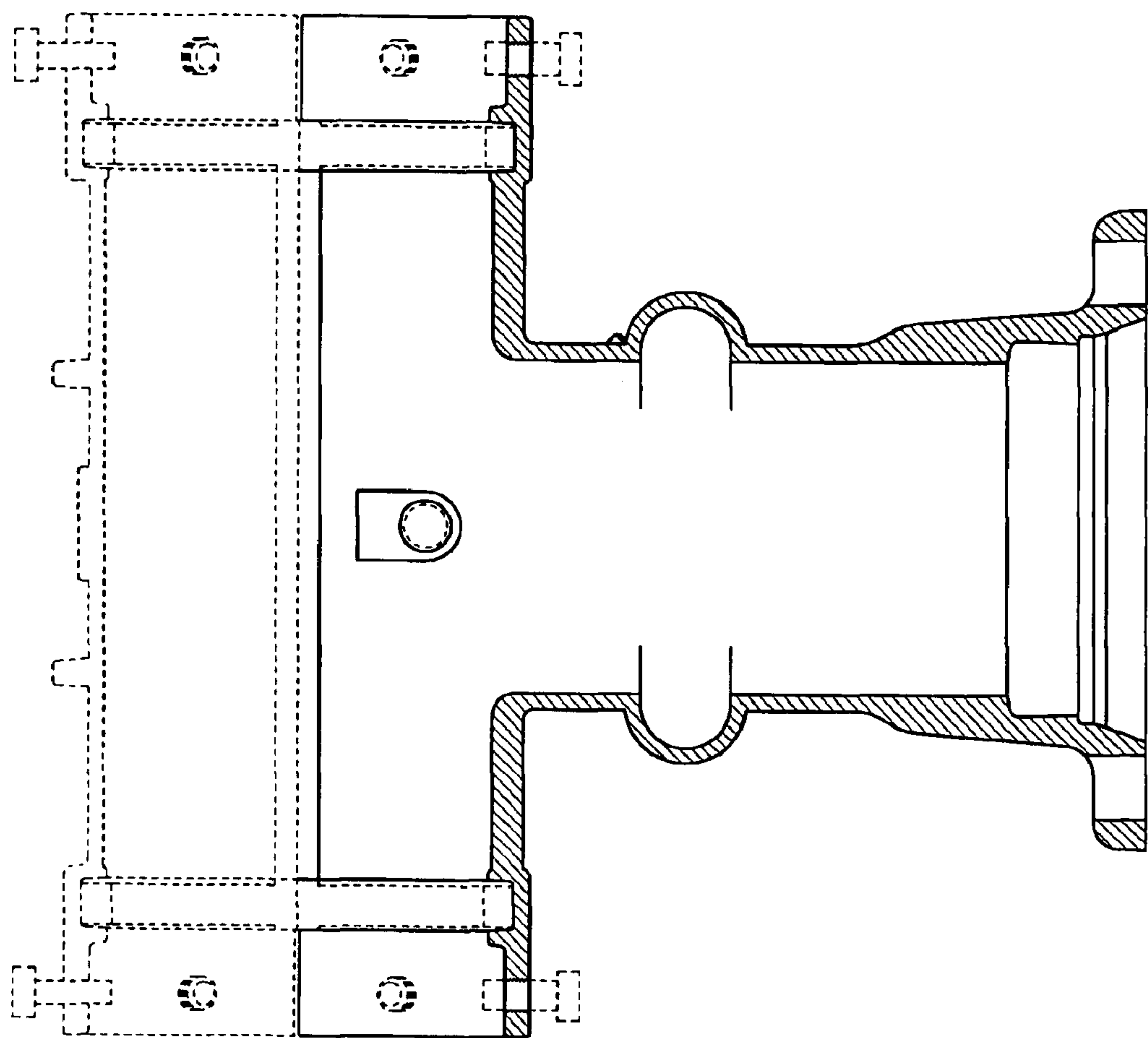


FIG. 8

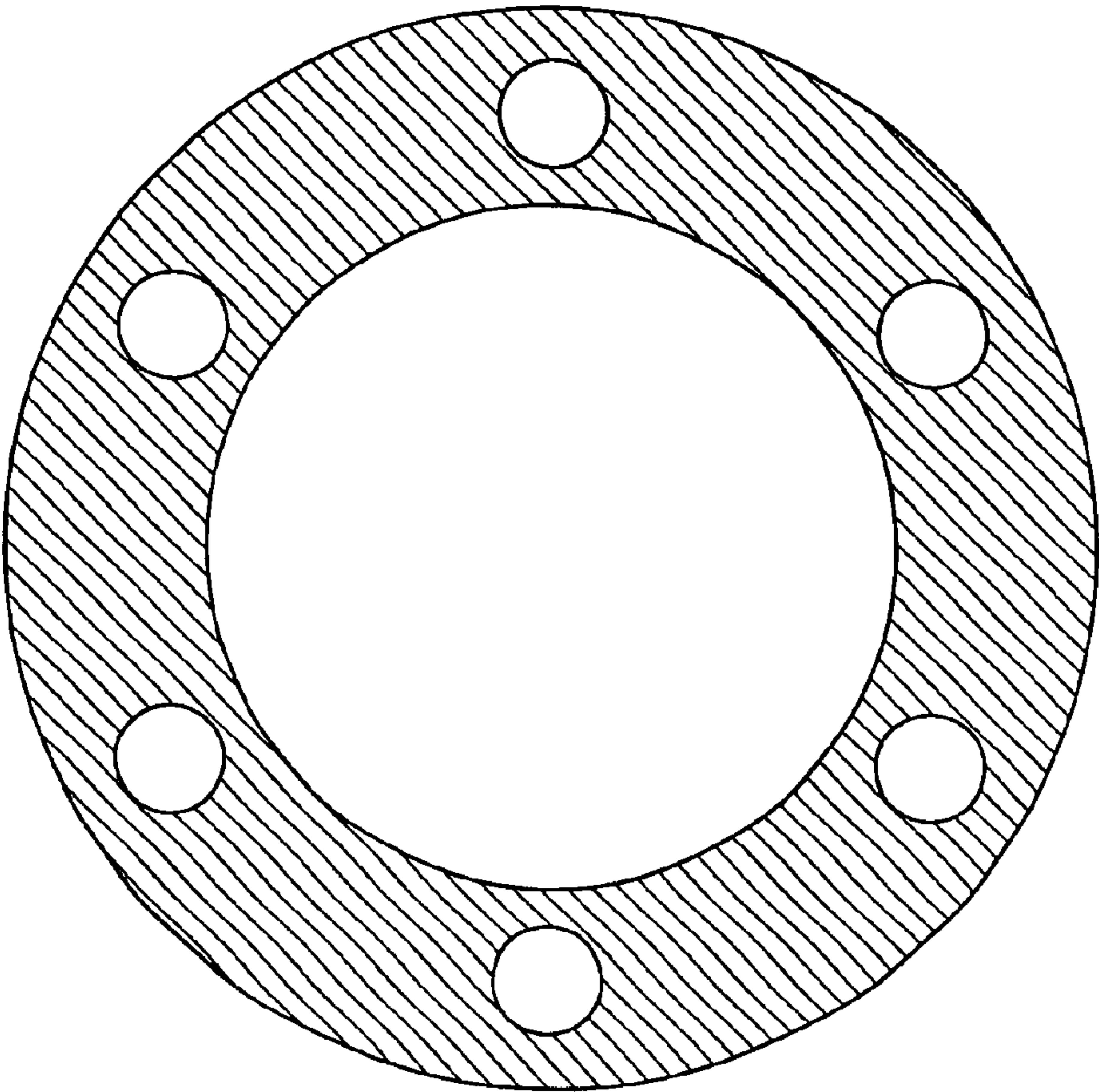


FIG. 9

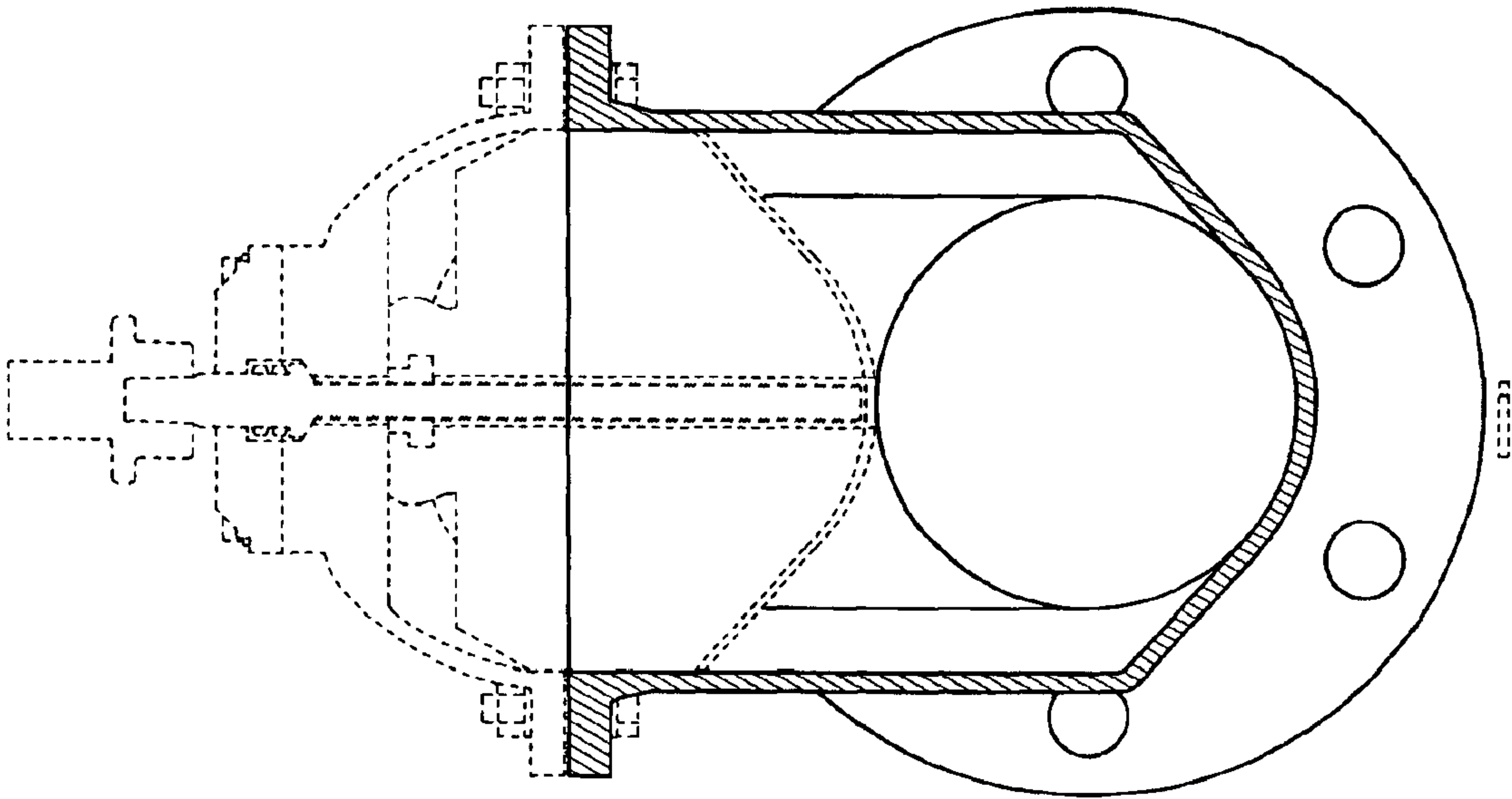


FIG. 10

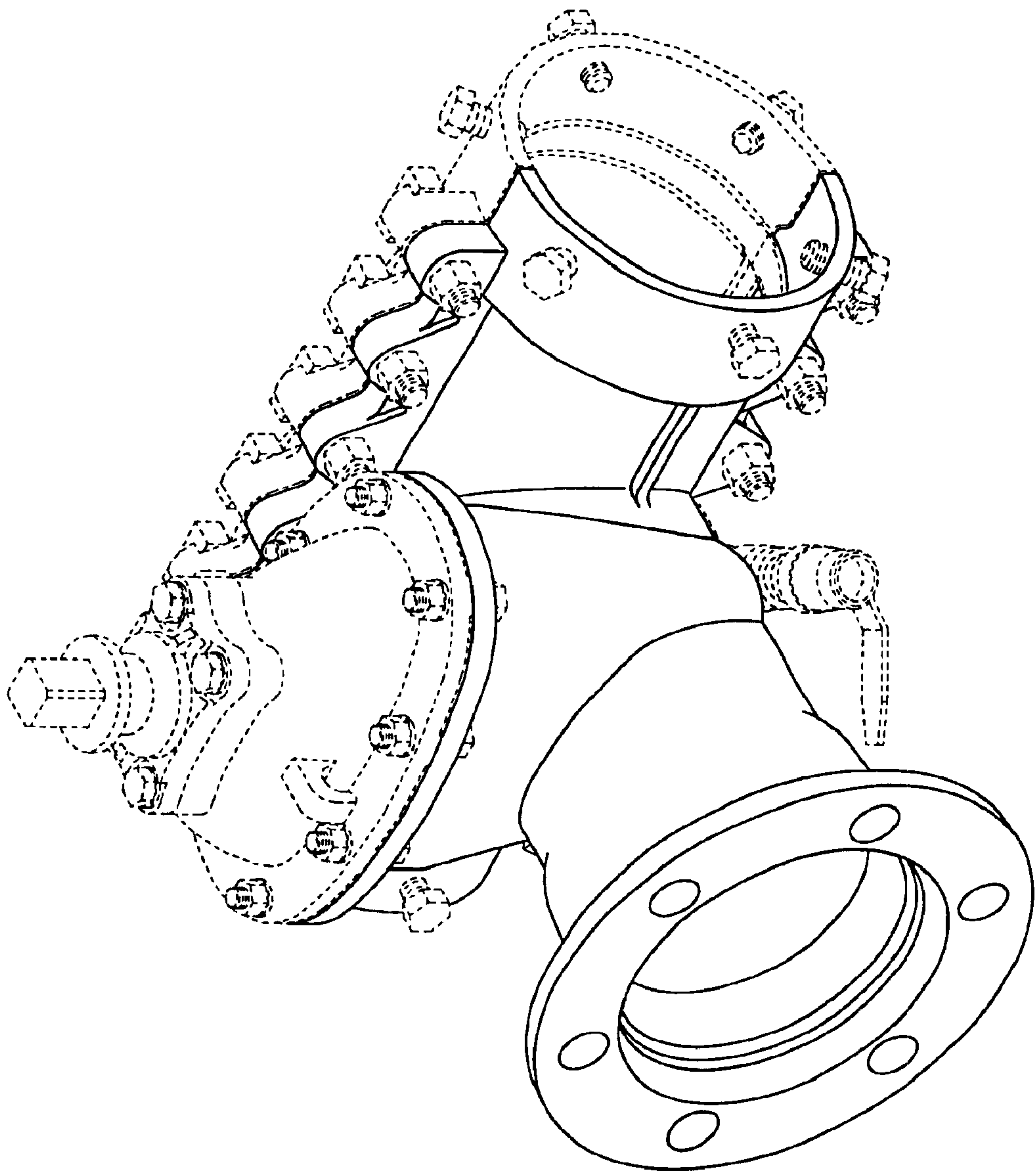


FIG. 11

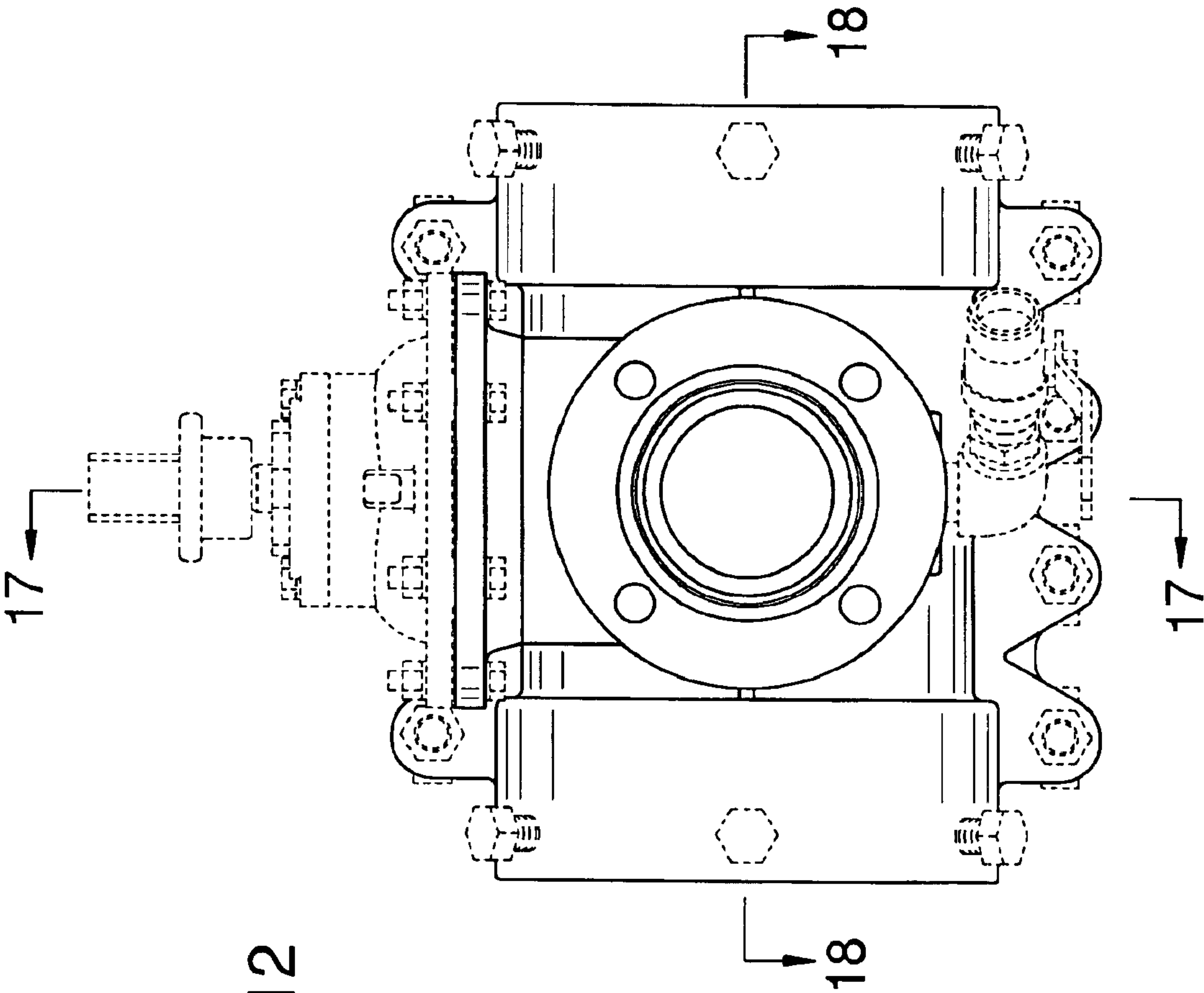


FIG. 12

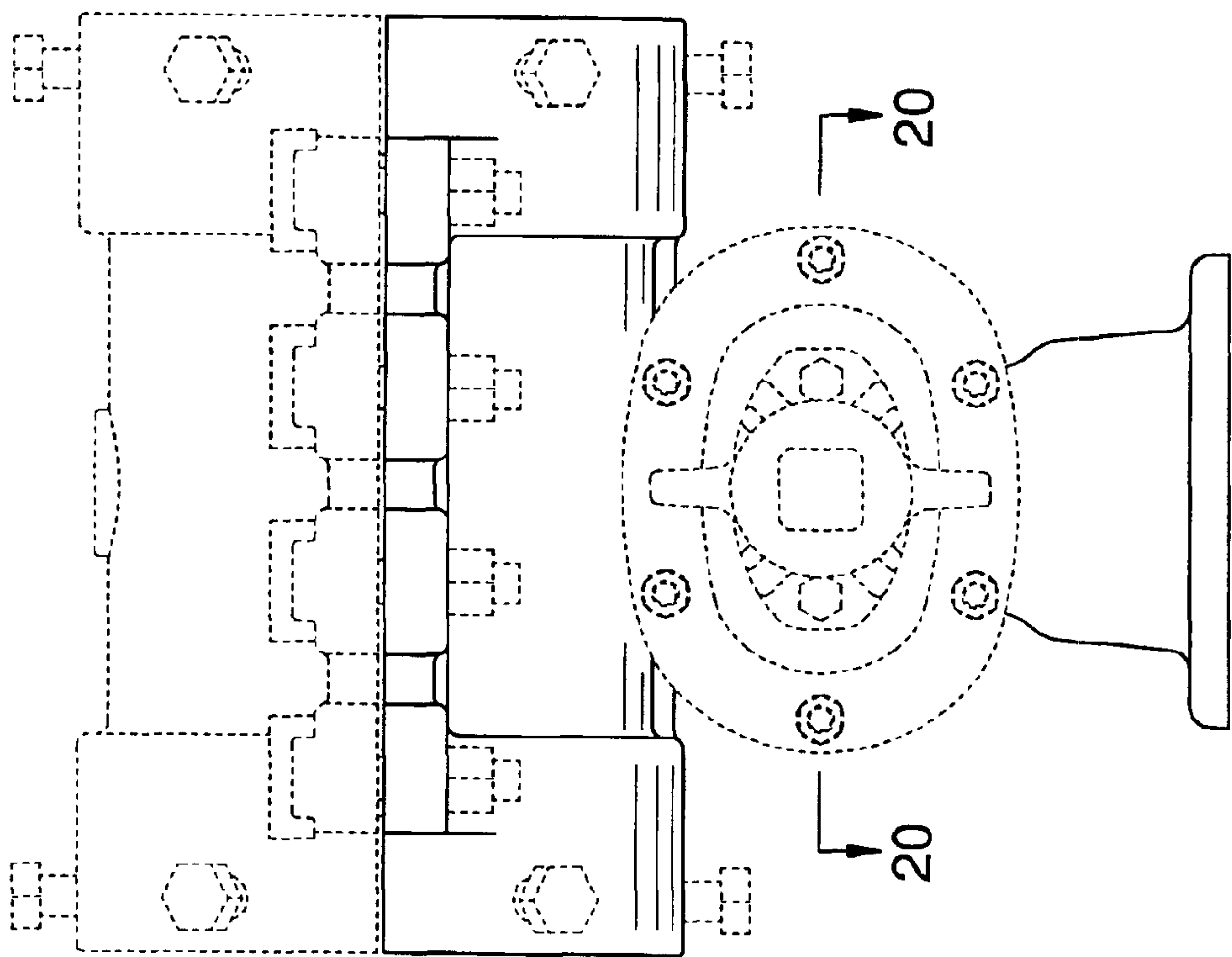


FIG. 13

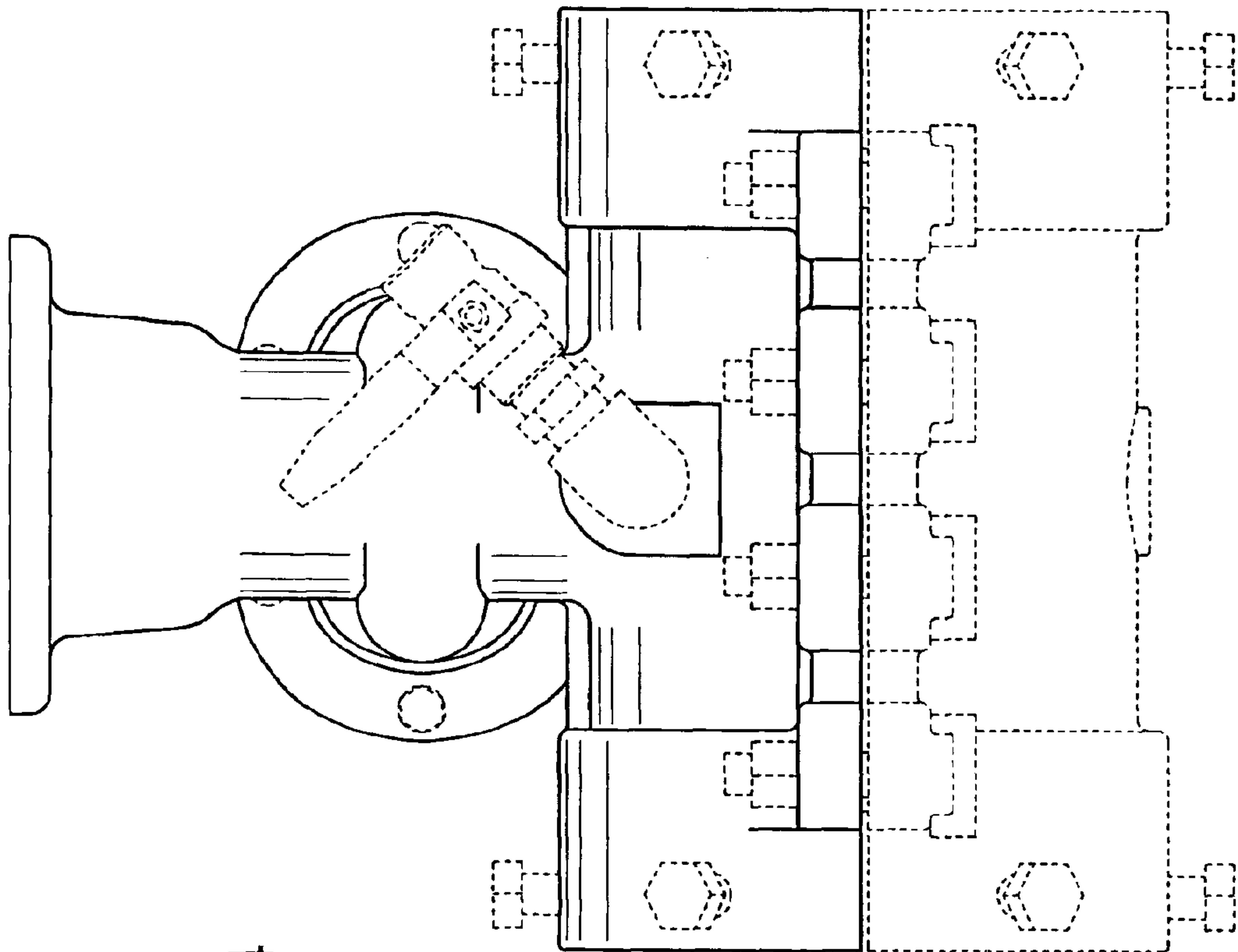


FIG. 14

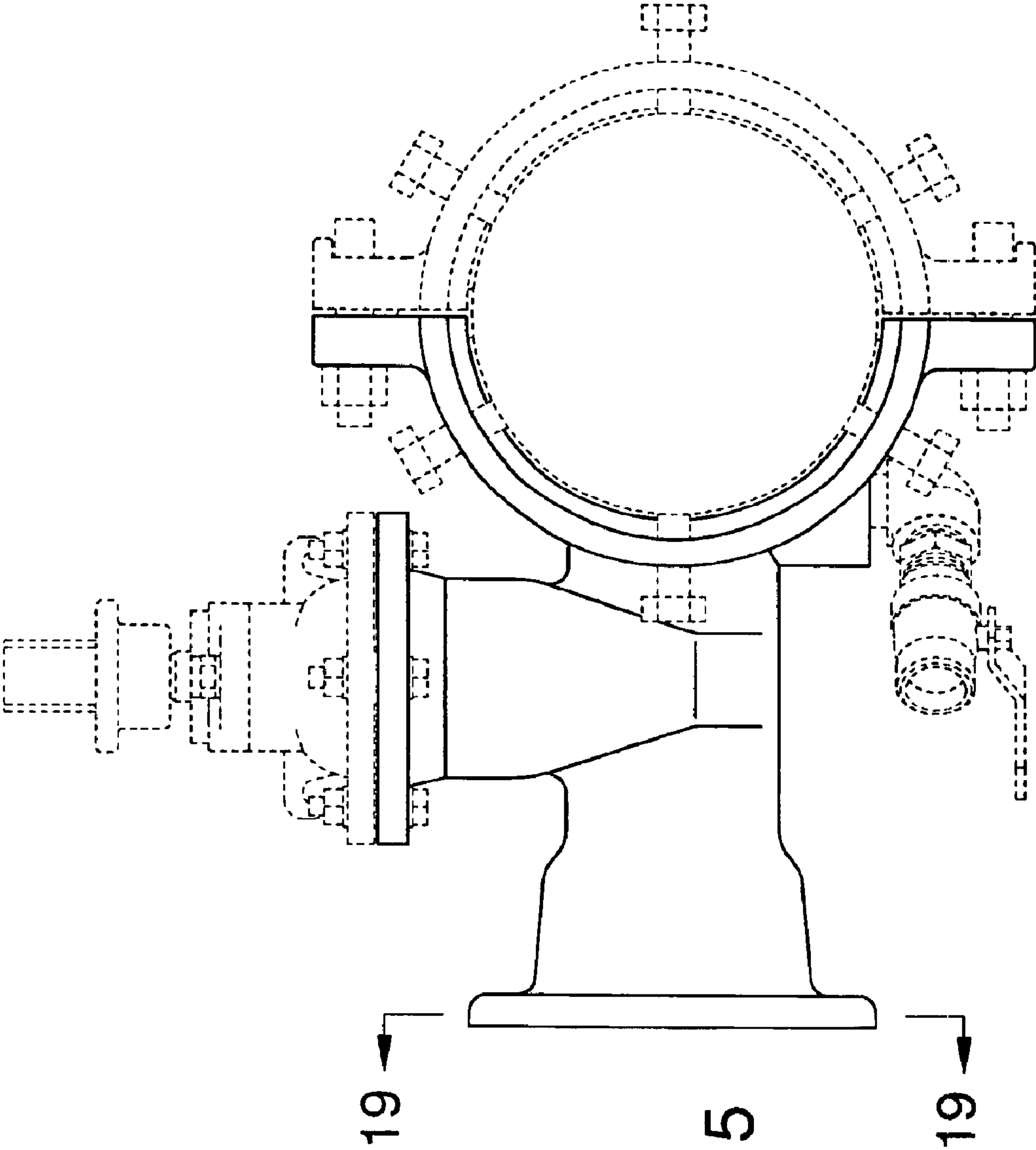


FIG. 15

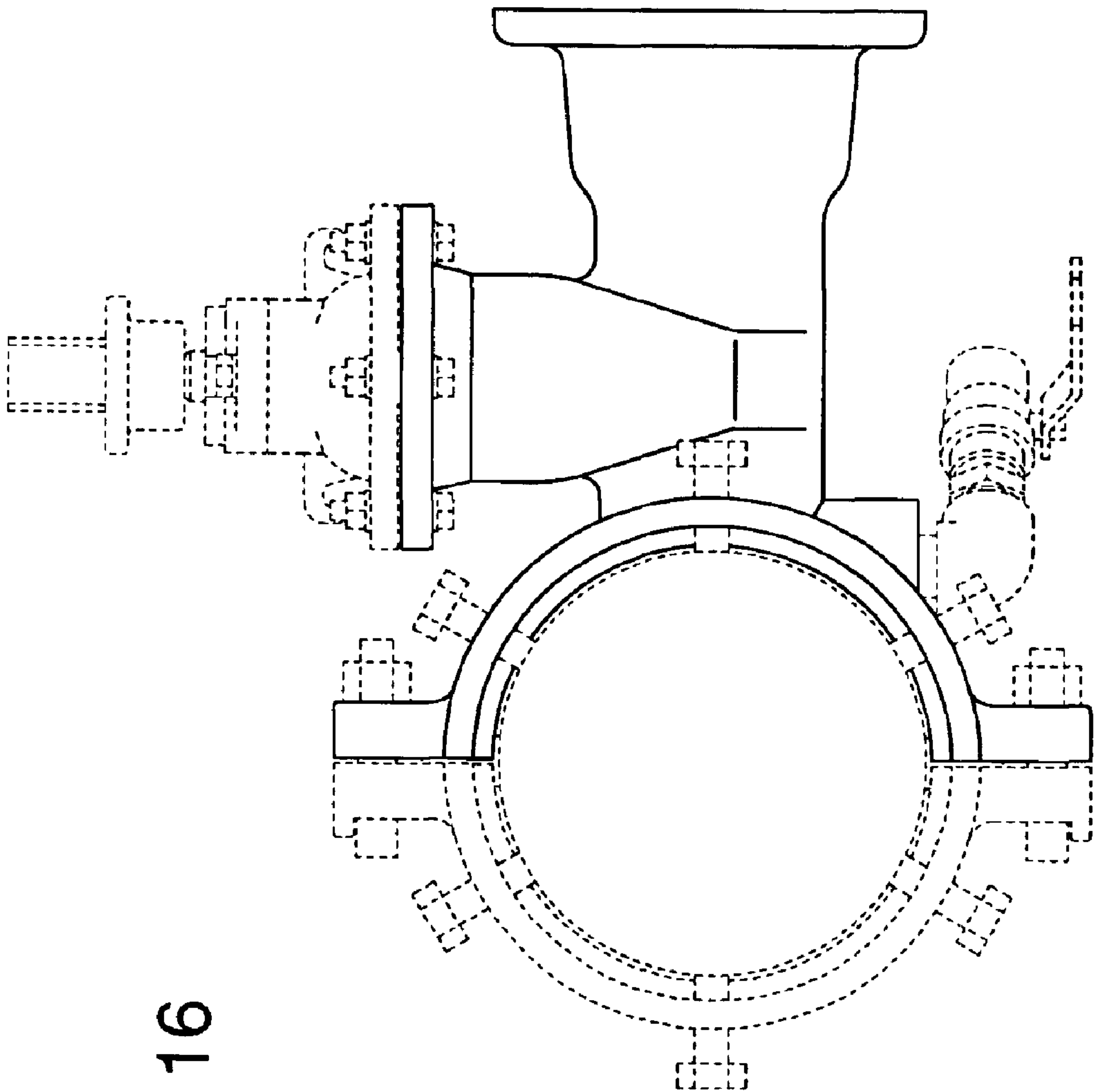
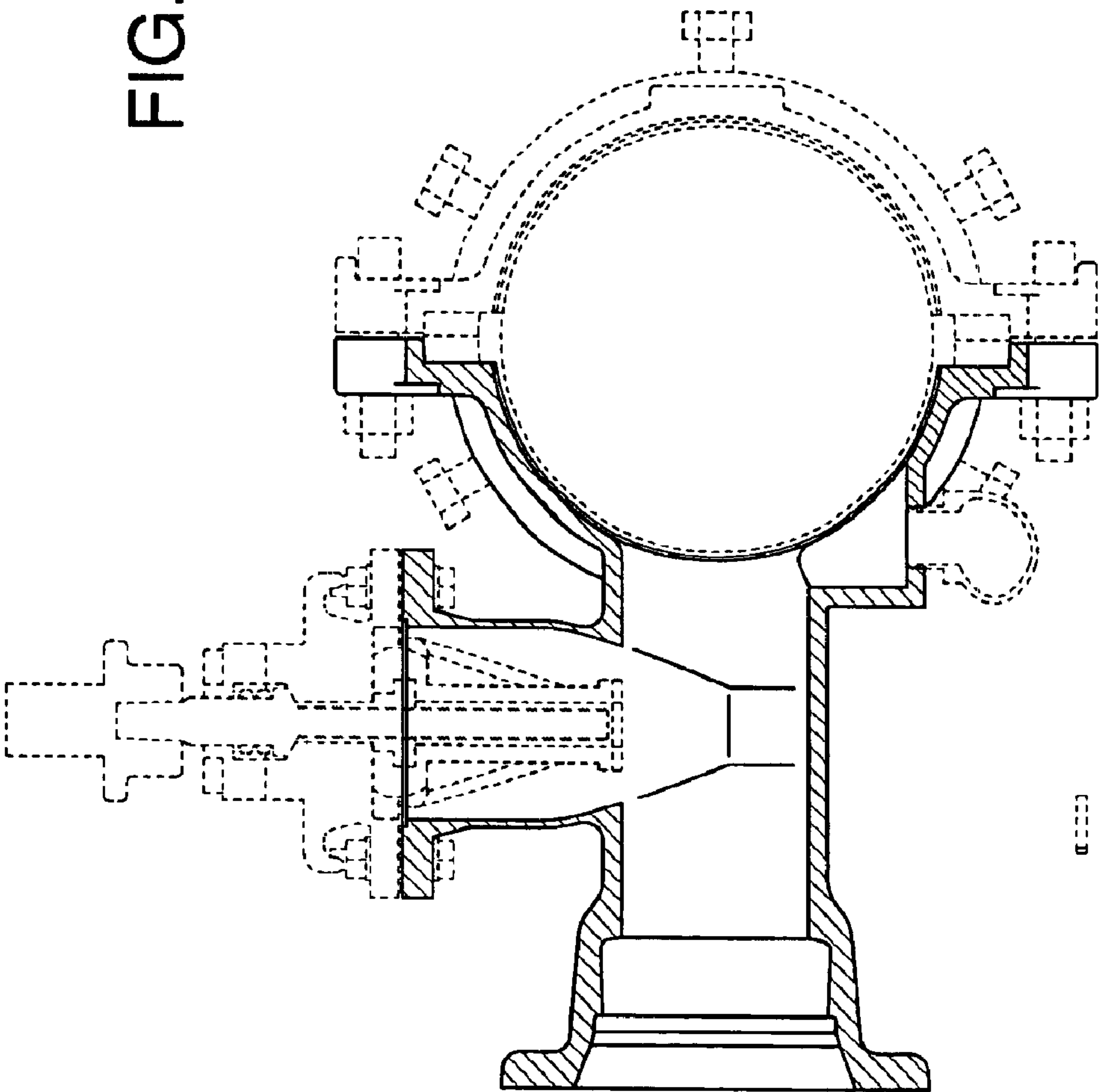


FIG. 16

FIG. 17



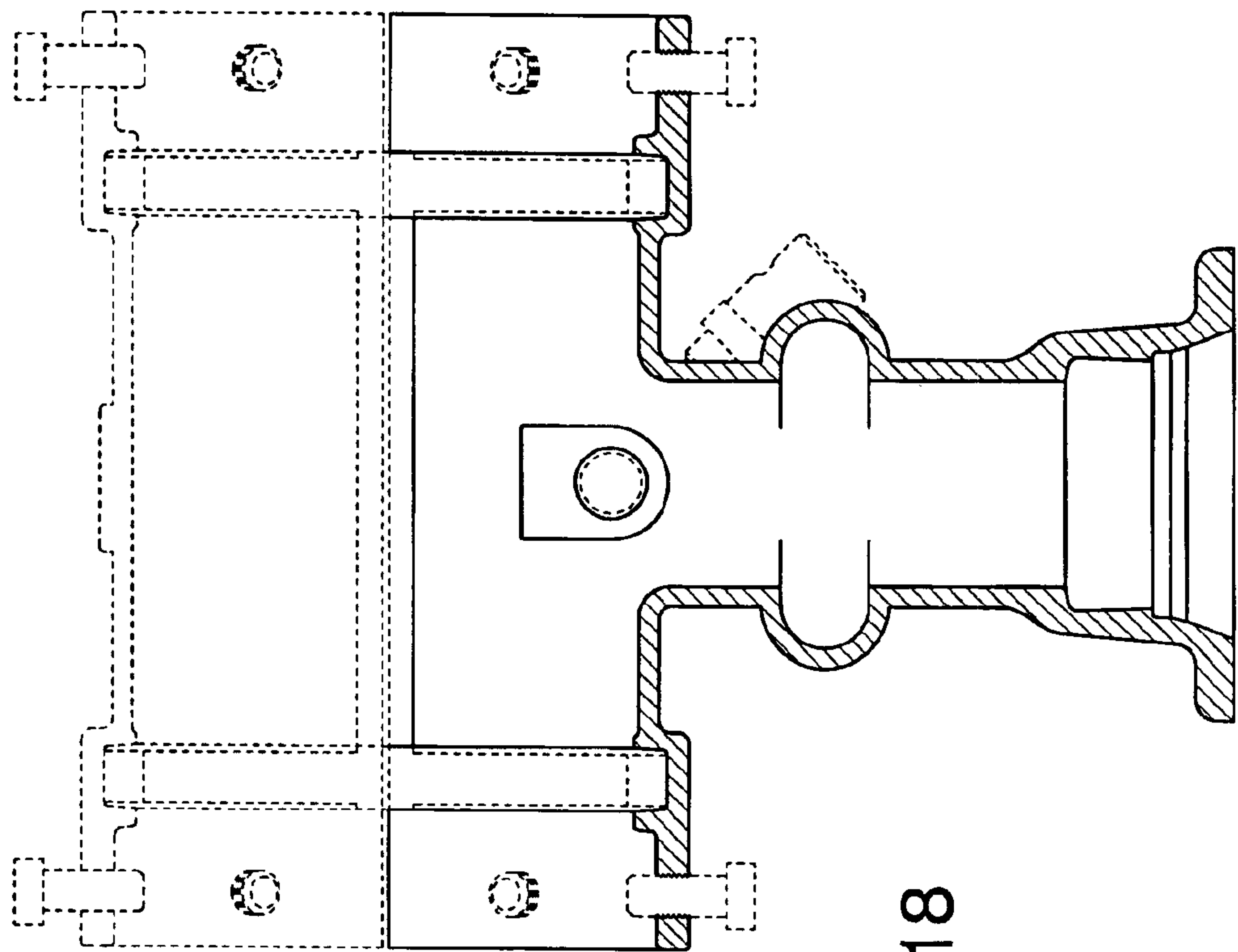


FIG. 18

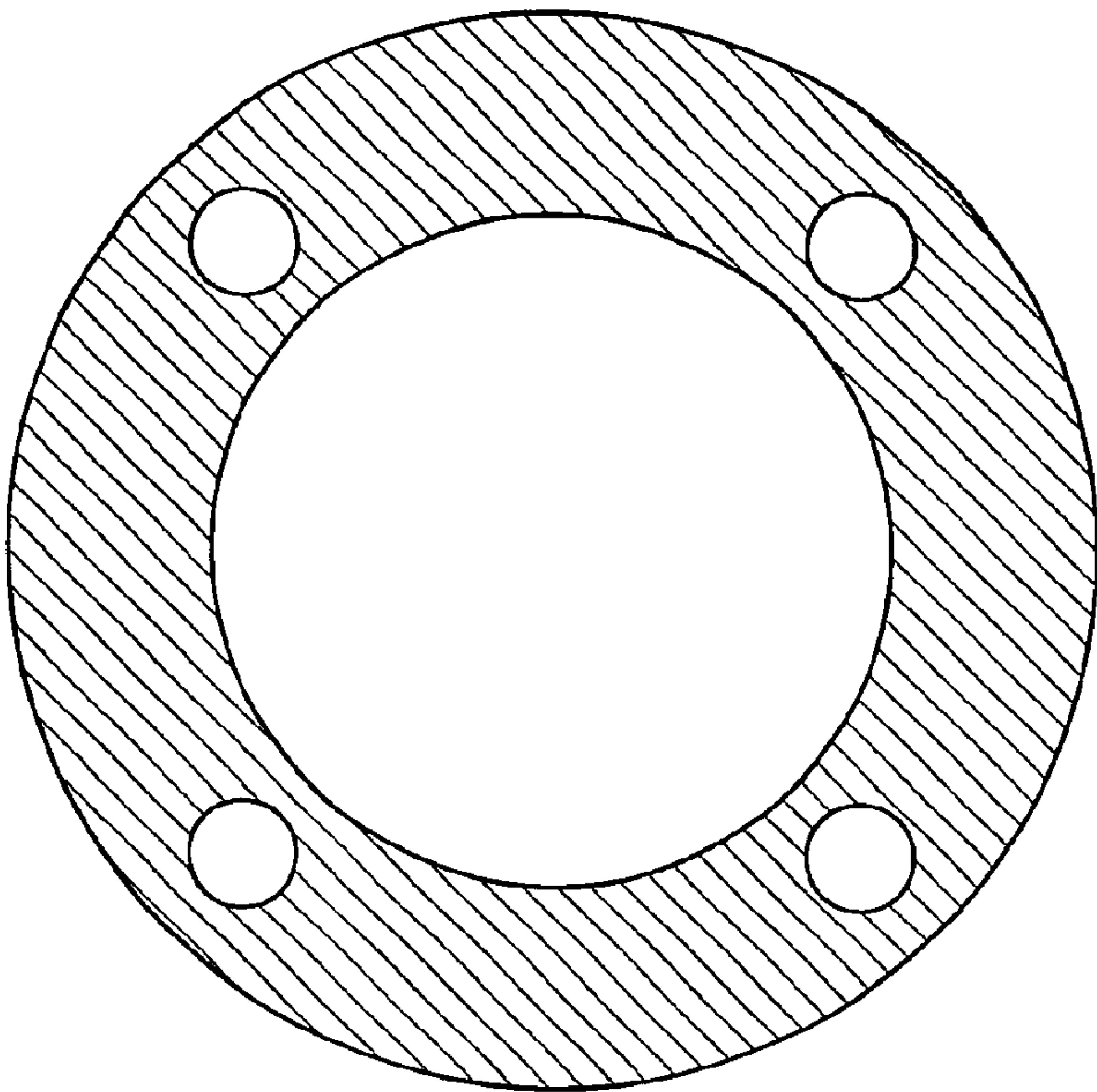


FIG. 19

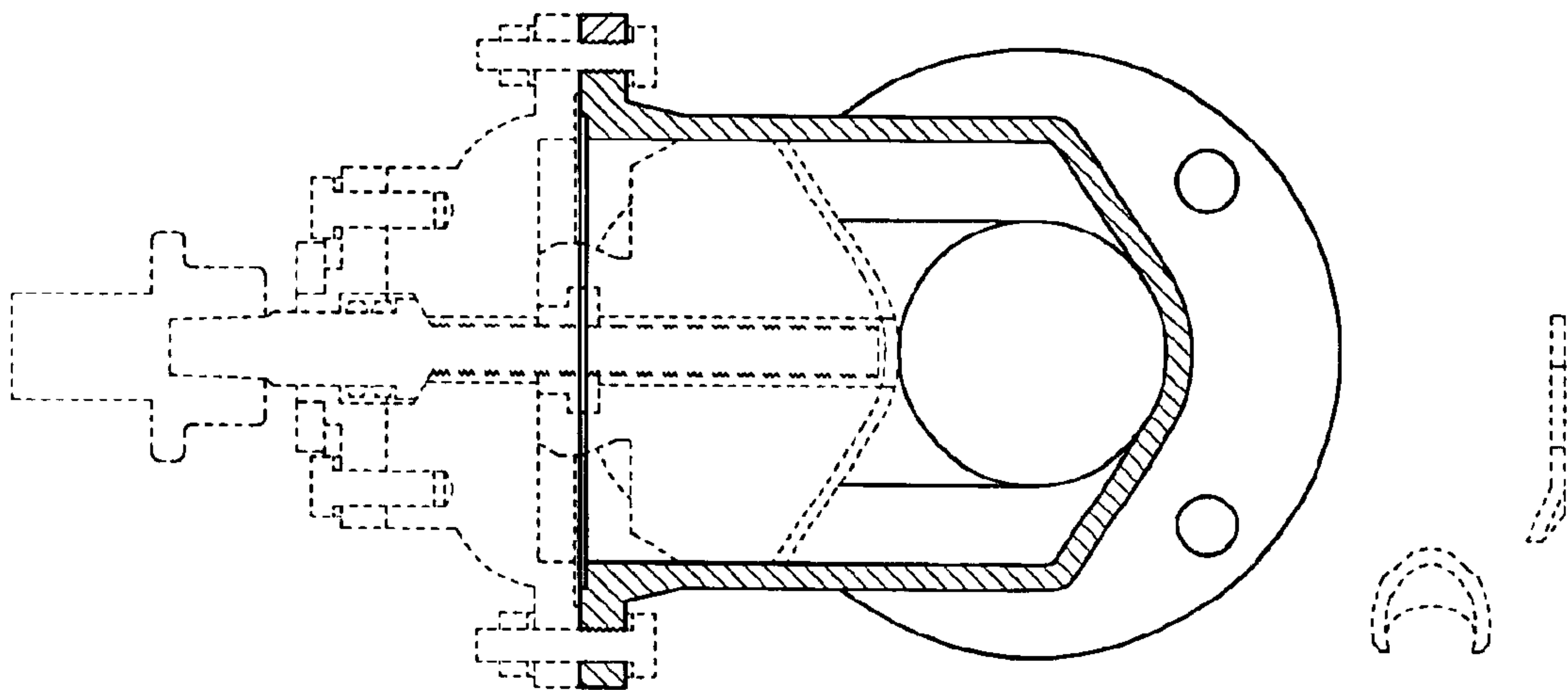


FIG. 20

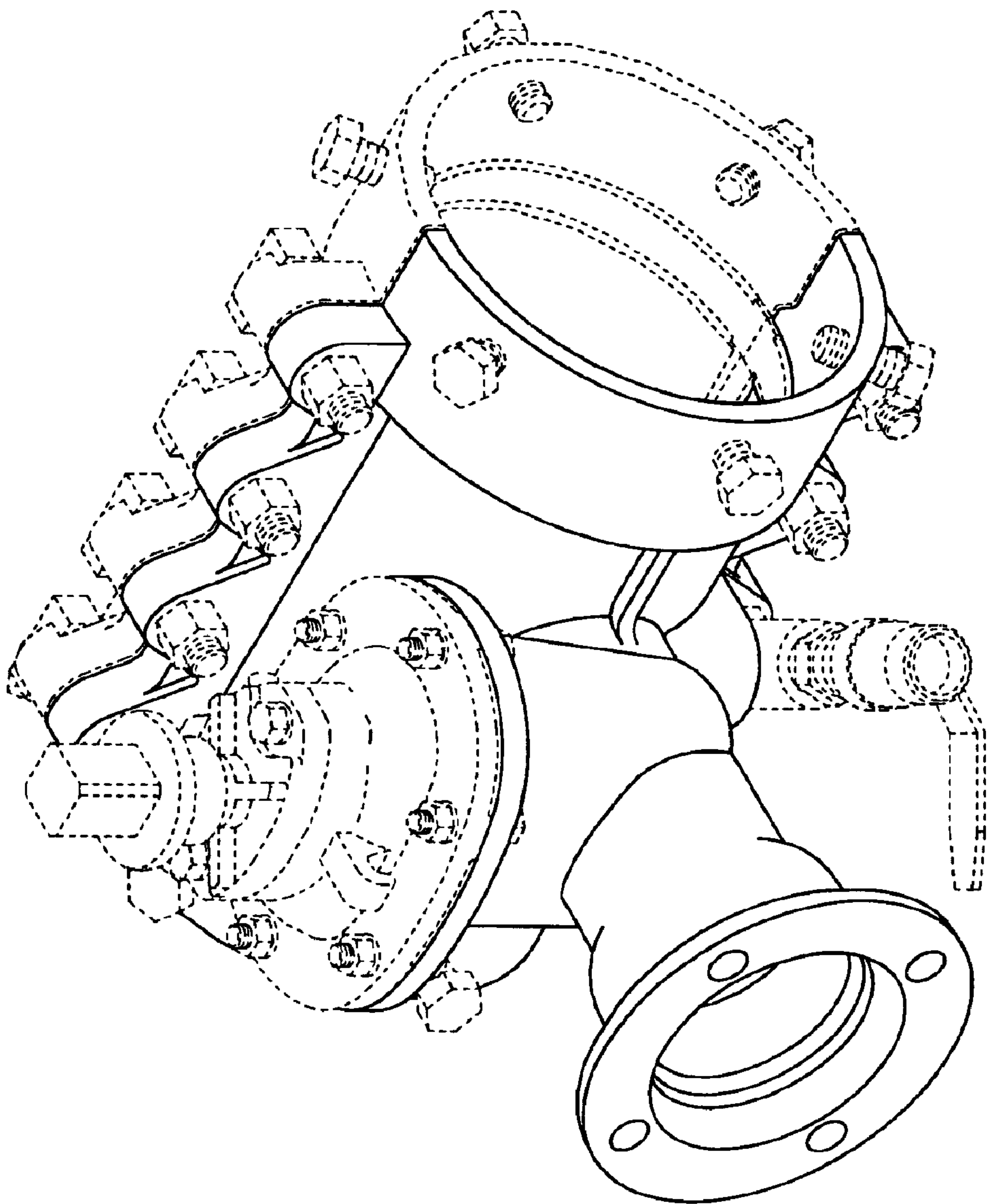


FIG. 21

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 504,495 S
DATED : April 26, 2005
INVENTOR(S) : Toshiyuko Sato

Page 1 of 1

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

Title page.

Item [75], Inventor, replace "Ibaraki" with -- Ibaraki-shi --.

Signed and Sealed this

Ninth Day of August, 2005

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a light gray dotted background.

JON W. DUDAS

Director of the United States Patent and Trademark Office