



US00D333472S

United States Patent [19]

[11] Patent Number: **Des. 333,472**

Aizawa

[45] Date of Patent: **** Feb. 23, 1993**

[54] **AIR CYLINDER**

[75] Inventor: **Akira Aizawa, Soka, Japan**

[73] Assignee: **SMC Corporation, Tokyo, Japan**

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

[21] Appl. No.: **486,171**

[22] Filed: **Feb. 28, 1990**

[30] **Foreign Application Priority Data**

Aug. 30, 1989 [JP] Japan 1-31570

Aug. 30, 1989 [JP] Japan 1-31575

[52] U.S. Cl. **D15/7; D15/5**

[58] Field of Search **D15/1, 2, 4, 5, 7-9; 417/403, 404; 91/275**

[56] **References Cited**

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Assistant Examiner—R. Seifert

Attorney, Agent, or Firm—Oblon, Spivak, McClelland, Maier & Neustadt

[57] **CLAIM**

The ornamental design for an air cylinder, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of an air cylinder showing my new design;

FIG. 2 is a top plan view;

FIG. 3 is a bottom plan view;

FIG. 4 is a right side elevational view;

FIG. 5 is a rear elevational view;

FIG. 6 is a cross sectional view taken along line 6—6 of FIG. 1;

FIG. 7 is a cross sectional view taken along the lines of 7—7 of FIG. 4;

FIG. 8 is a top, front and right perspective view;

FIG. 9 is a right side elevational view of an air cylinder showing a second embodiment of my new design wherein the only difference from the embodiment shown in FIGS. 1 through 8 is the variation in length;

FIG. 10 is a right side elevational view of an air cylinder showing a third embodiment of my new design wherein the only difference from the embodiment shown in FIGS. 1 through 9 is the variation in length;

FIG. 11 is a front elevational view of an air cylinder showing a fourth embodiment of my new design;

FIG. 12 is a top plan view of FIG. 11;

FIG. 13 is a right side elevational view of FIG. 11;

FIG. 14 is a left side elevational view of FIG. 11;

FIG. 15 is a bottom plan view of FIG. 11;

FIG. 16 is a rear elevational view of FIG. 11;

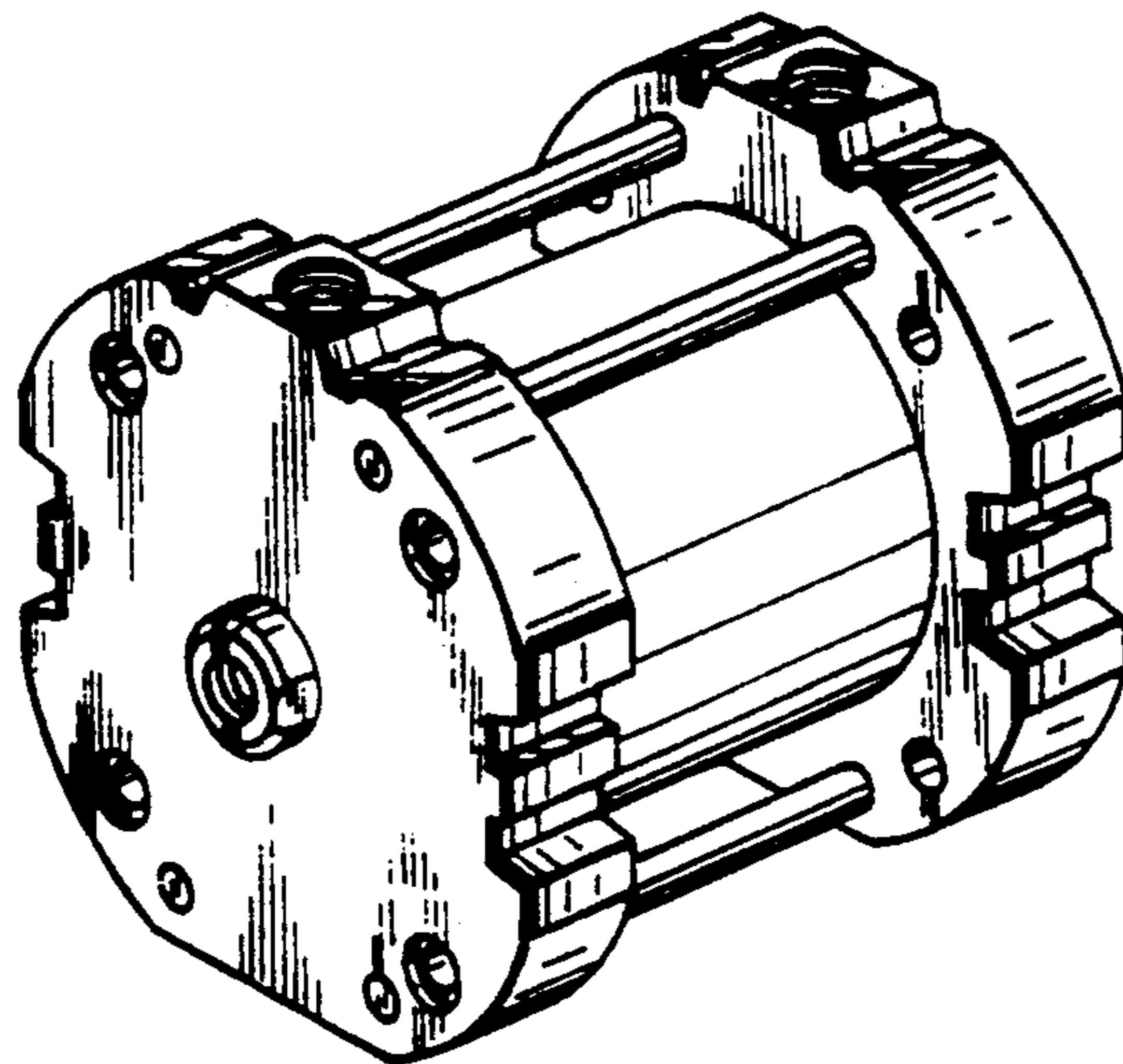
FIG. 17 is a cross sectional view taken along the lines 16—16 of FIG. 11;

FIG. 18 is a sectional view taken along the lines 17—17 of FIG. 13;

FIG. 19 is a top, front right side perspective view of FIG. 11;

FIG. 20 is a right side elevational view of an air cylinder showing a fifth embodiment of my new design wherein the only difference from the embodiment shown in FIGS. 11 through 18 is the variation in length; and,

FIG. 21 is a right side elevational view of an air cylinder showing a sixth embodiment of my new design wherein the only difference from the embodiment shown in FIGS. 11 through 18 is the variation in length.



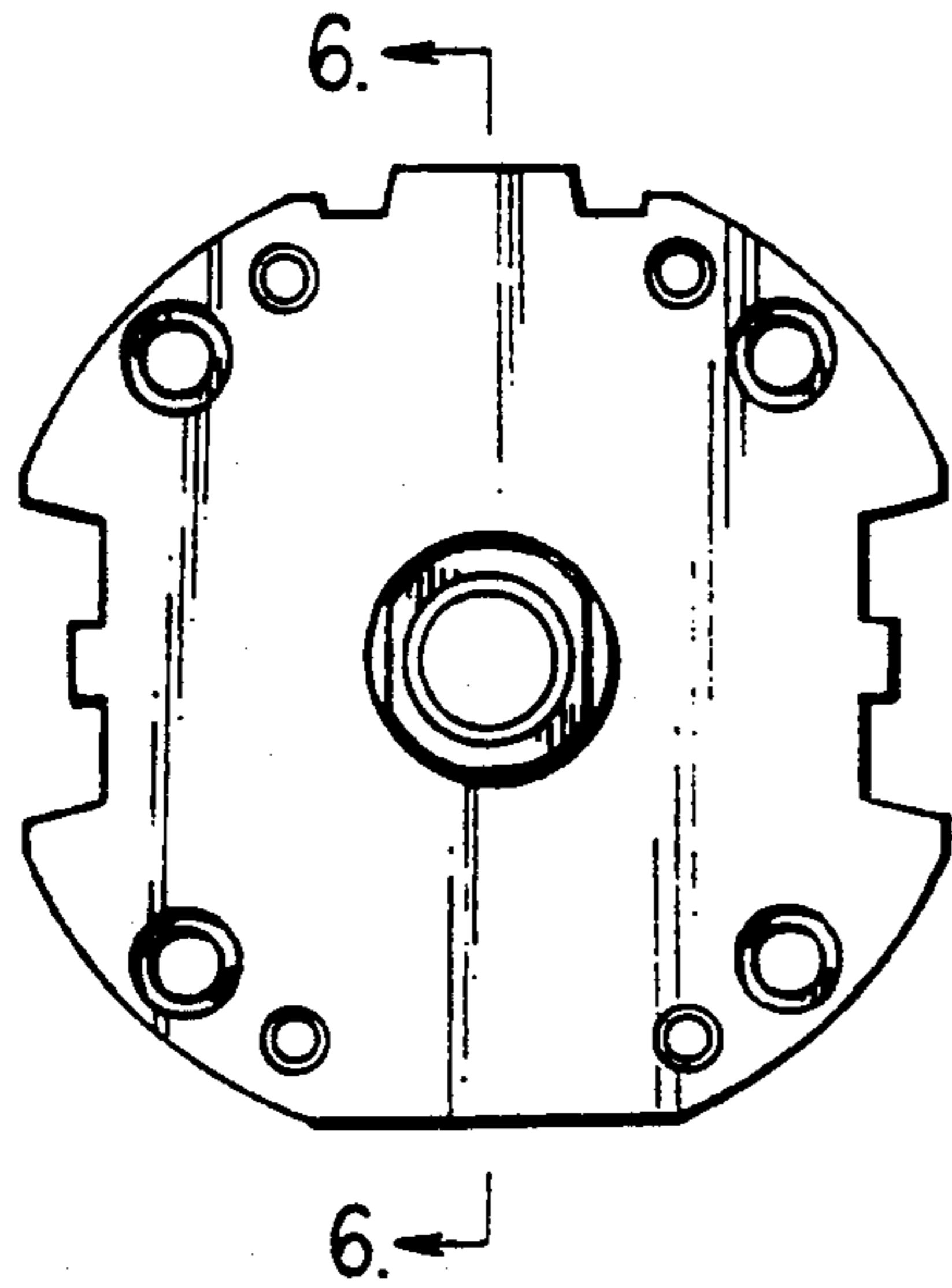


FIG. 1

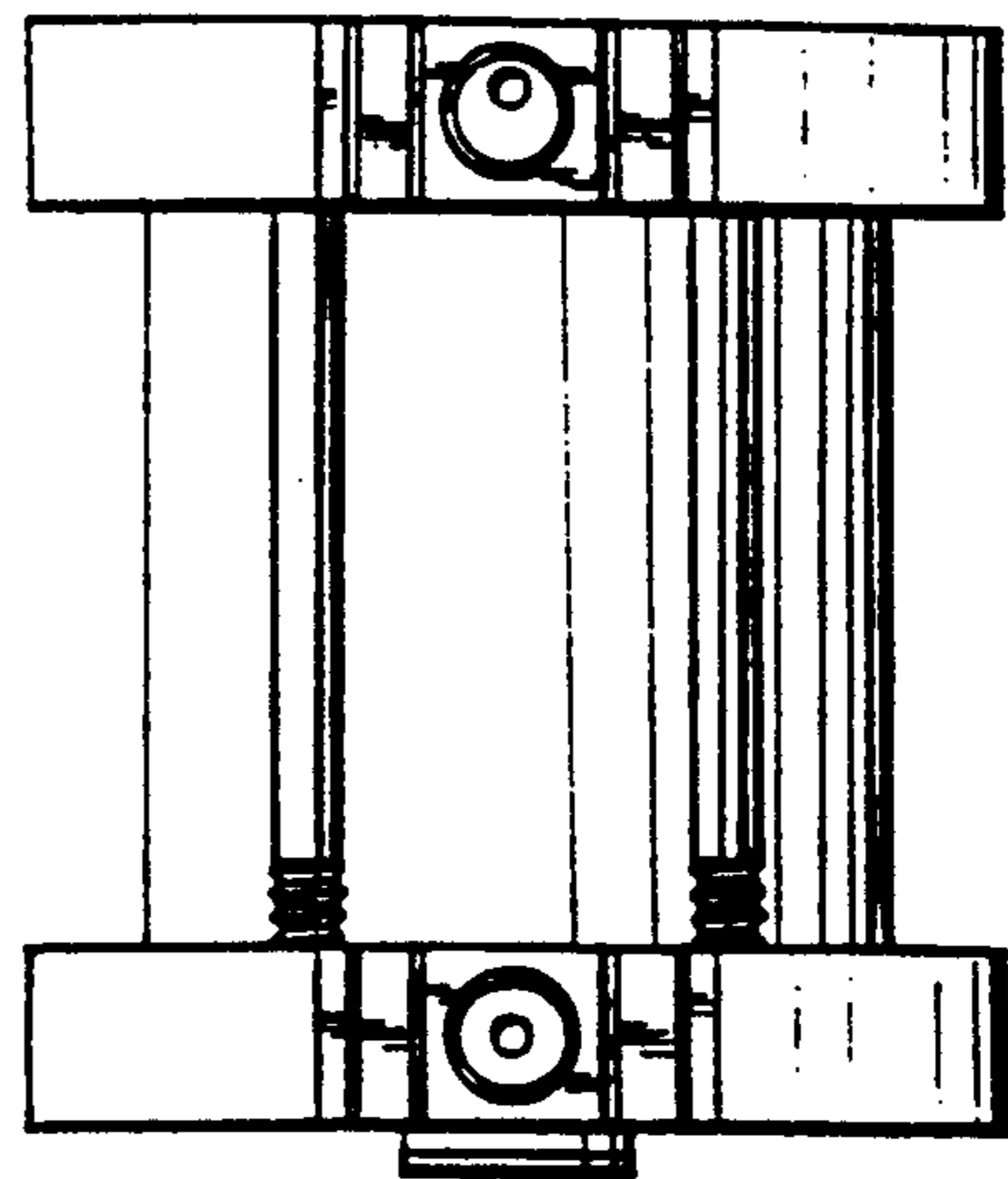


FIG. 2

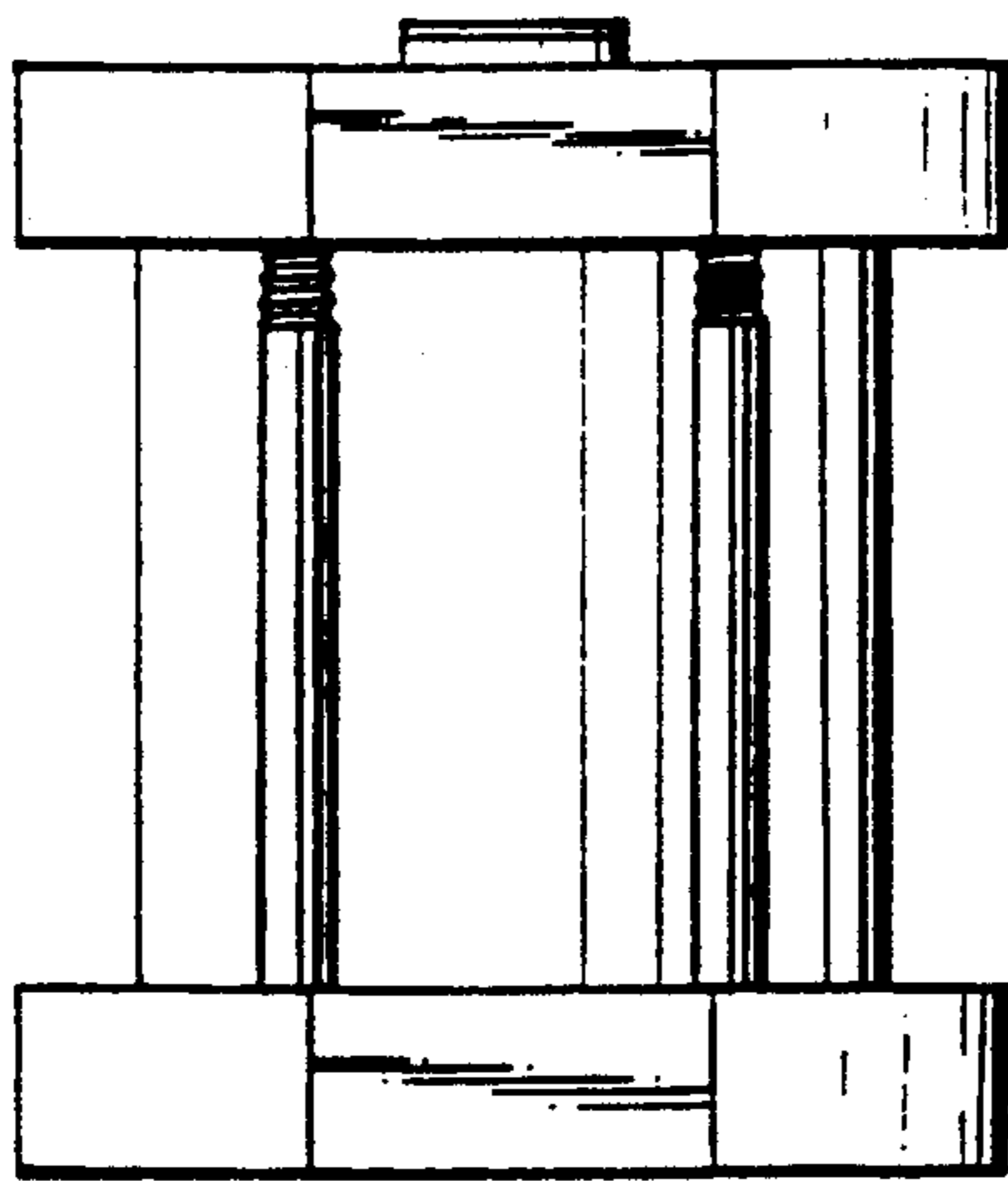


FIG. 3

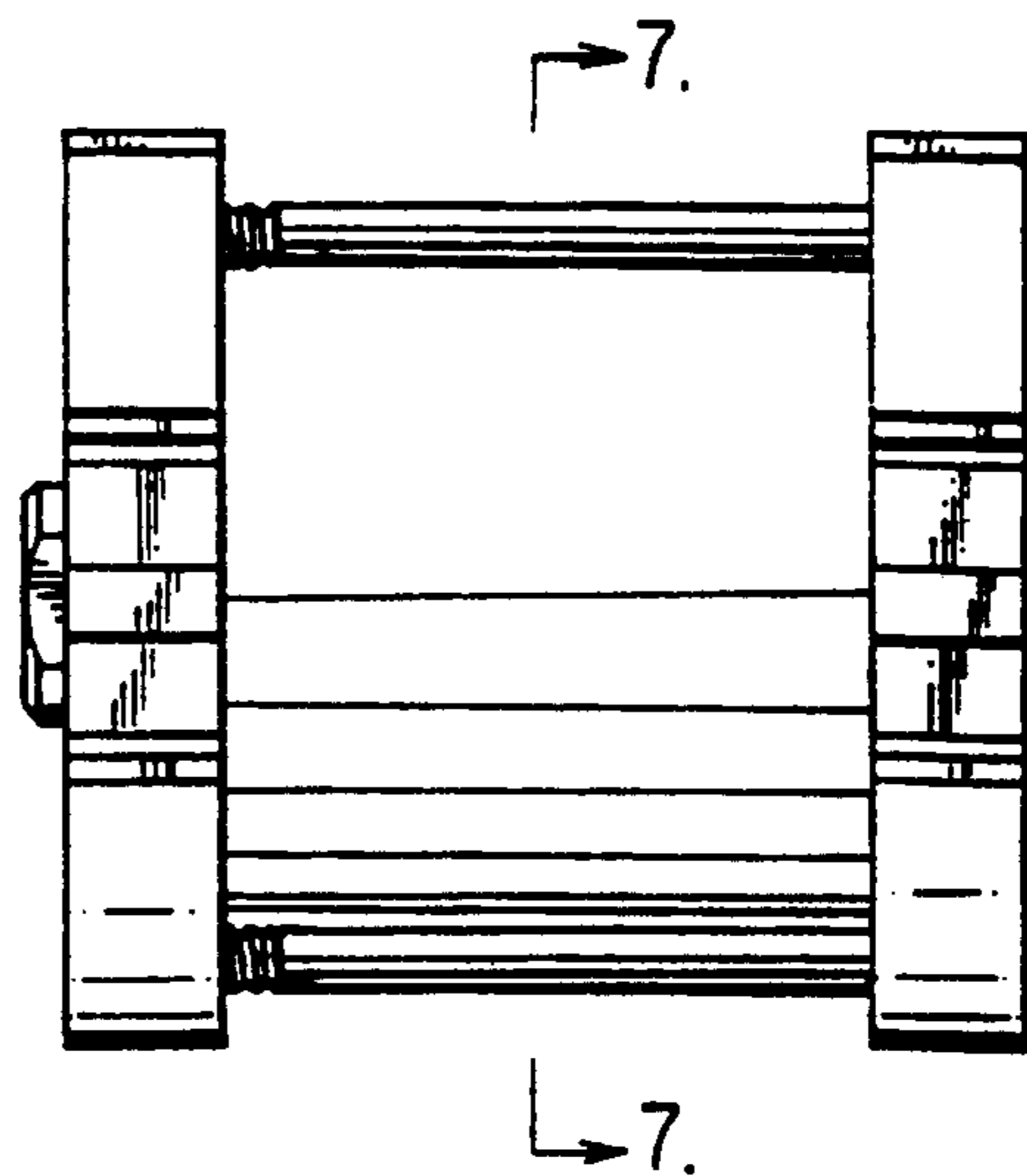


FIG. 4

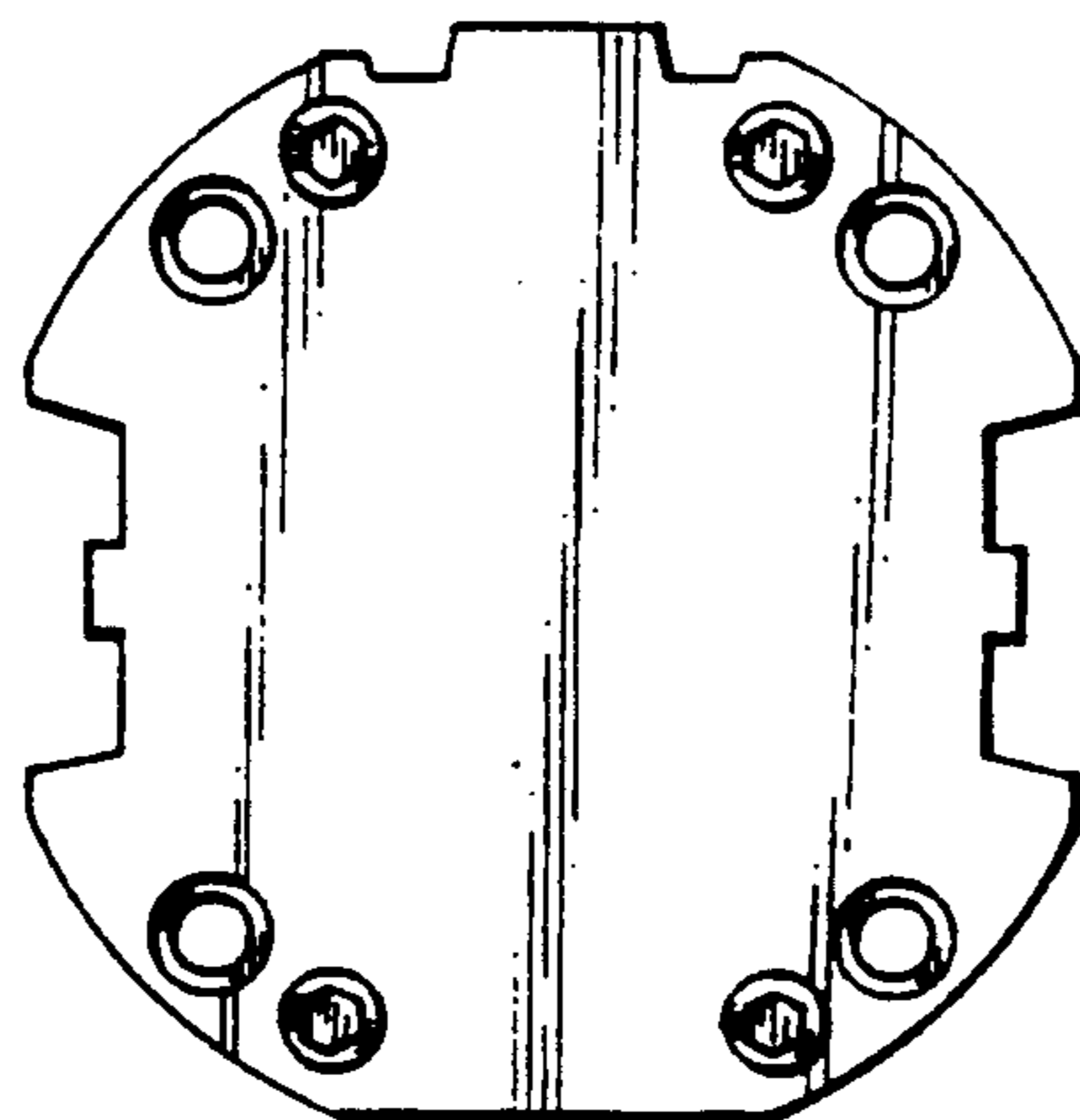


FIG. 5

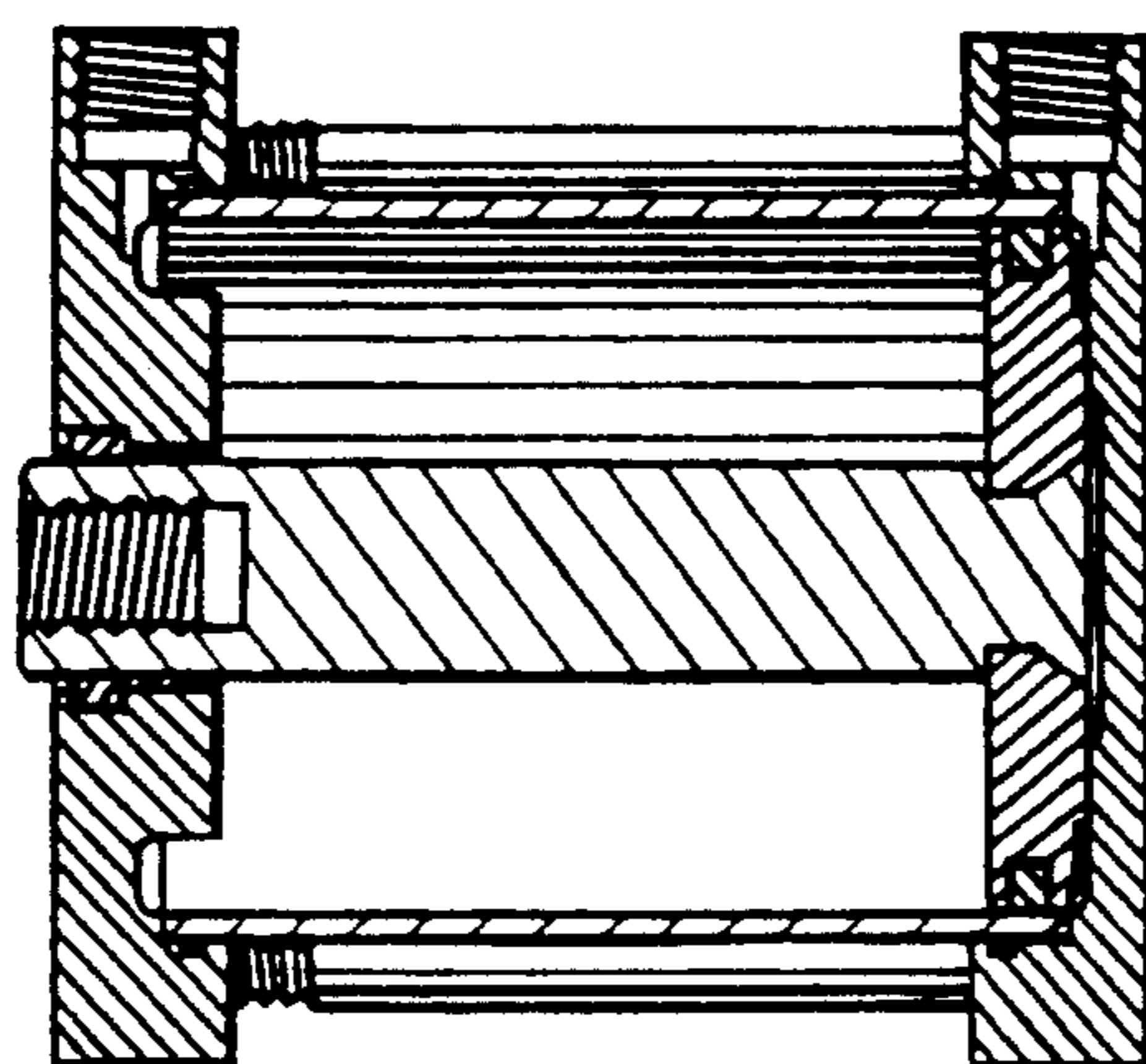


FIG. 6

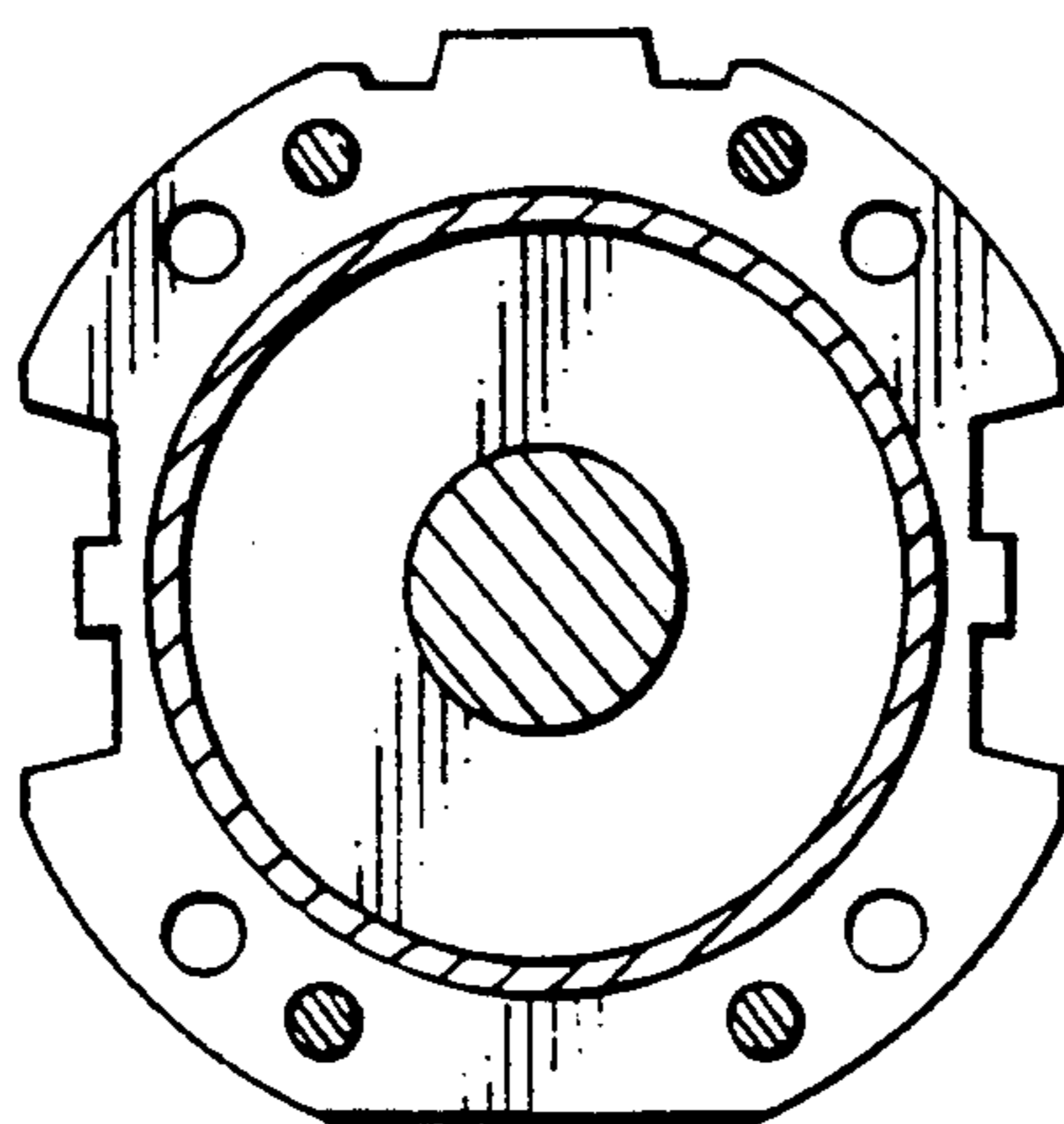


FIG. 7

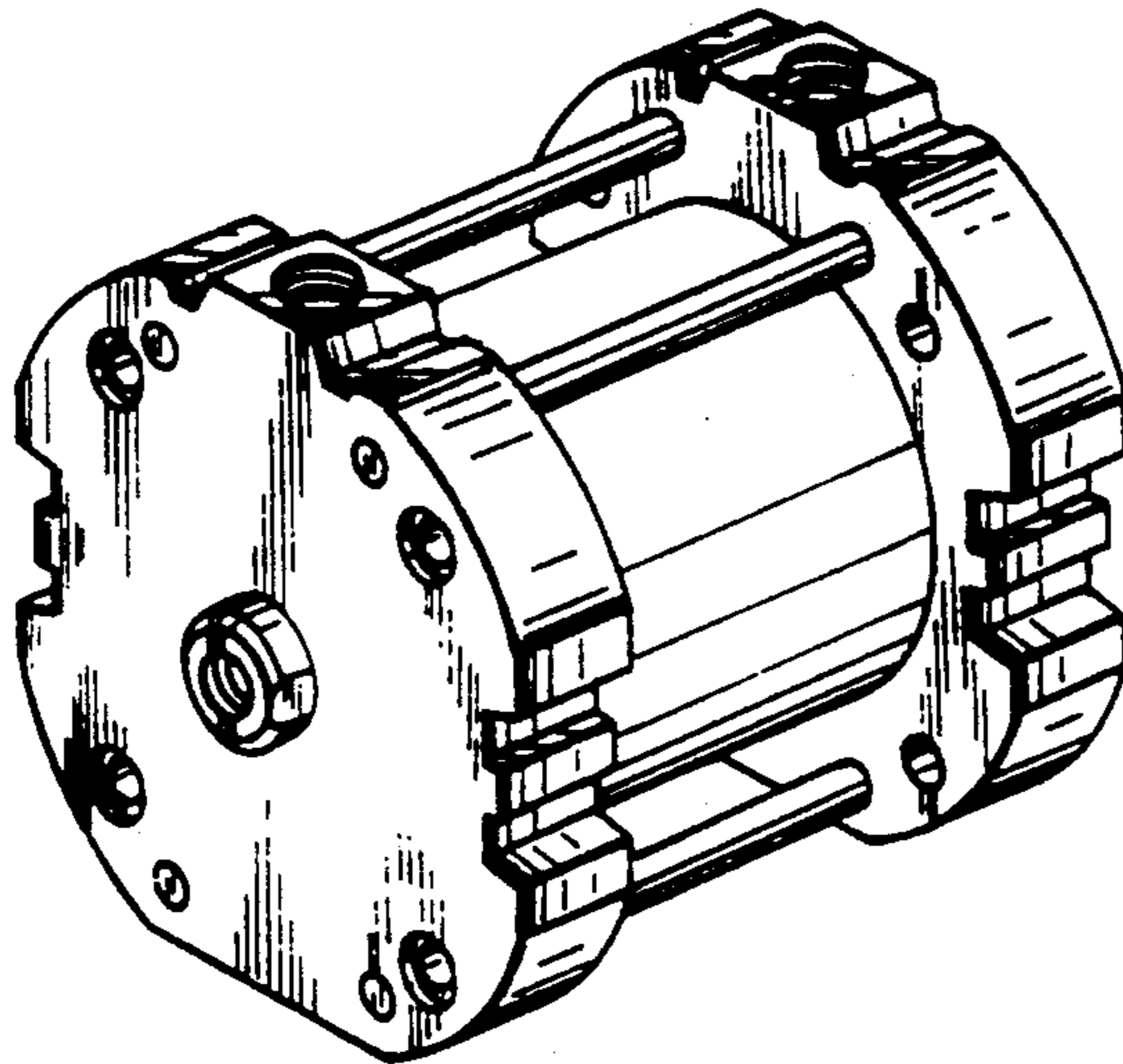


FIG. 8

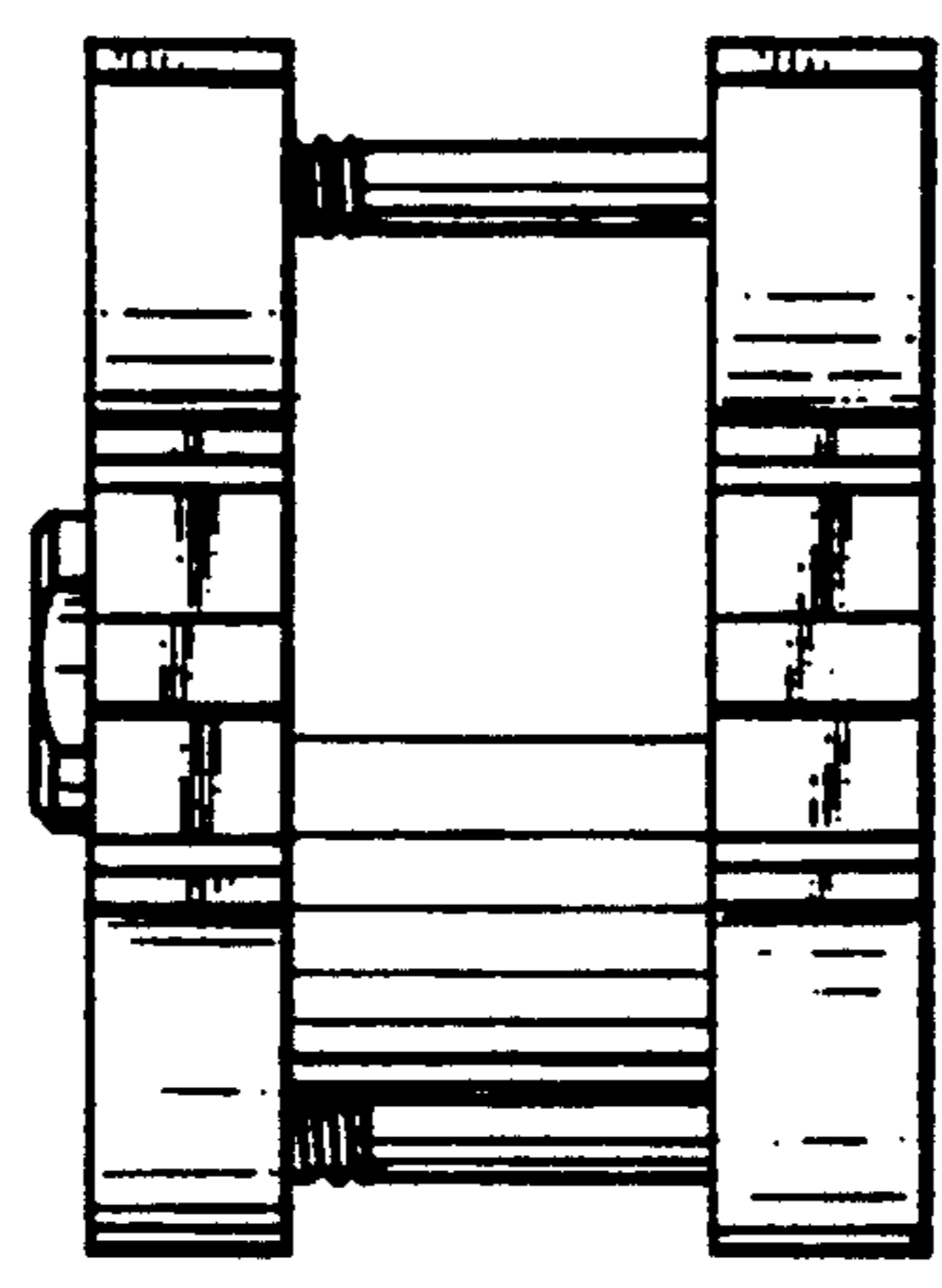


FIG. 9

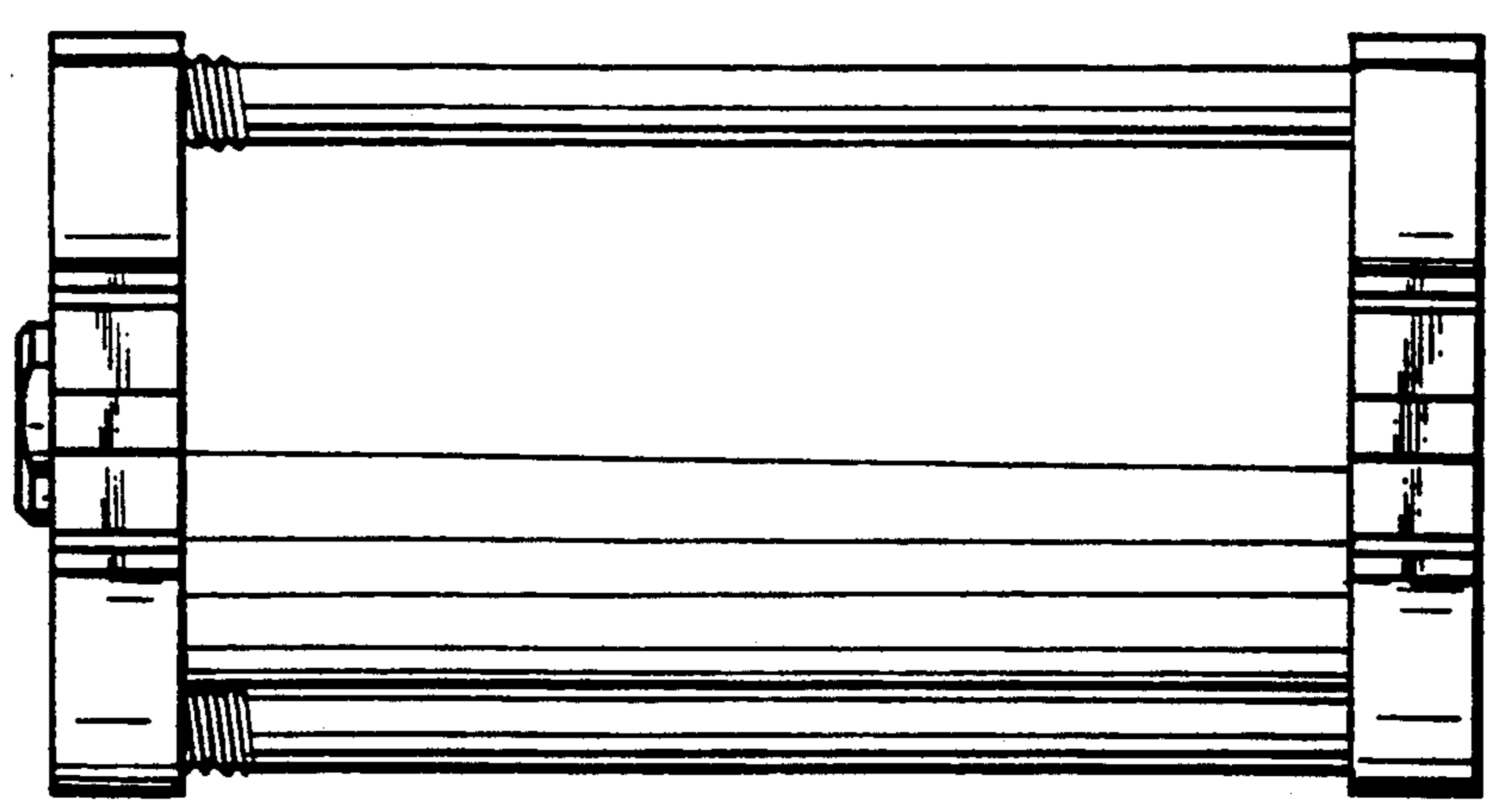


FIG. 10

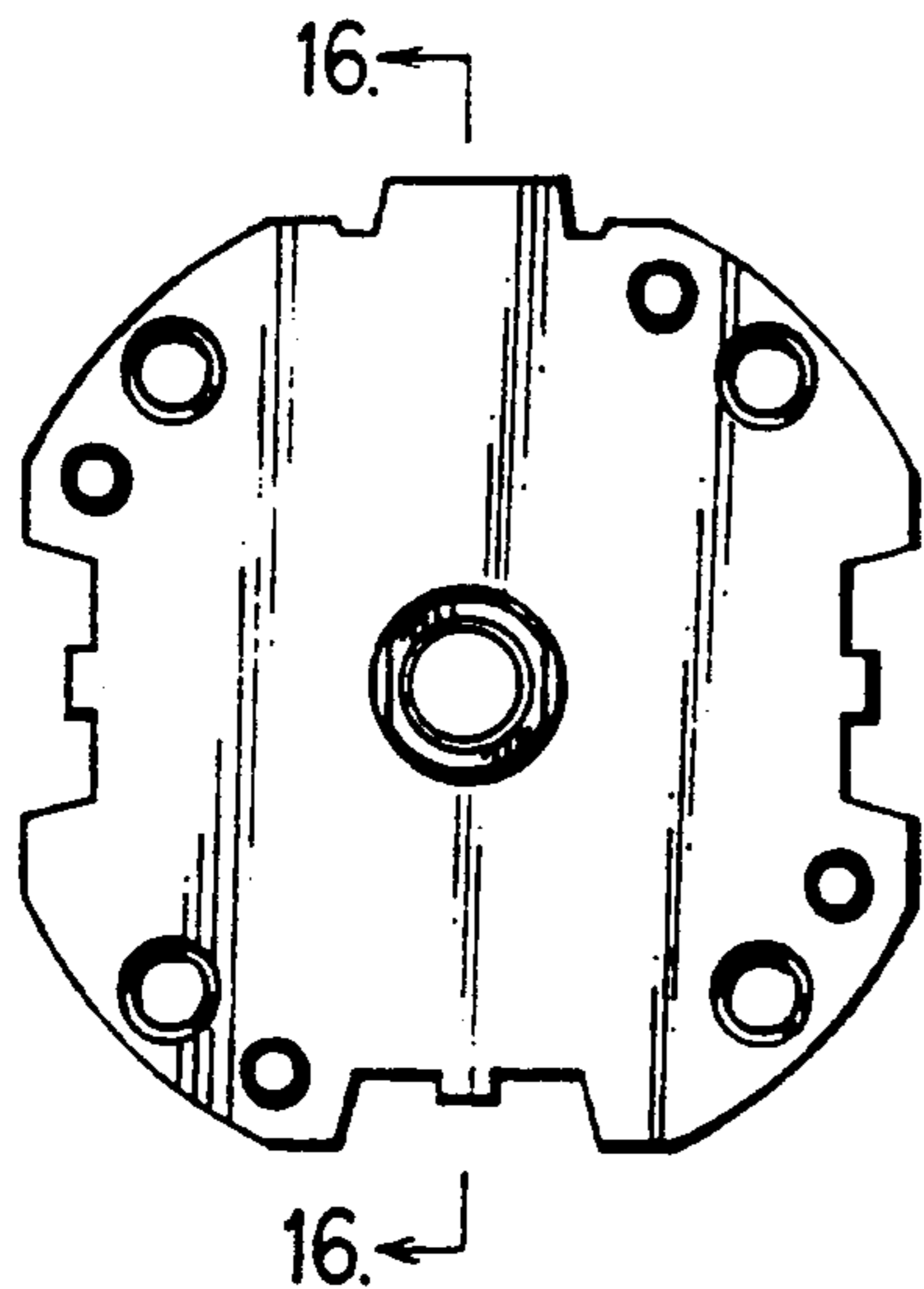


FIG. 11

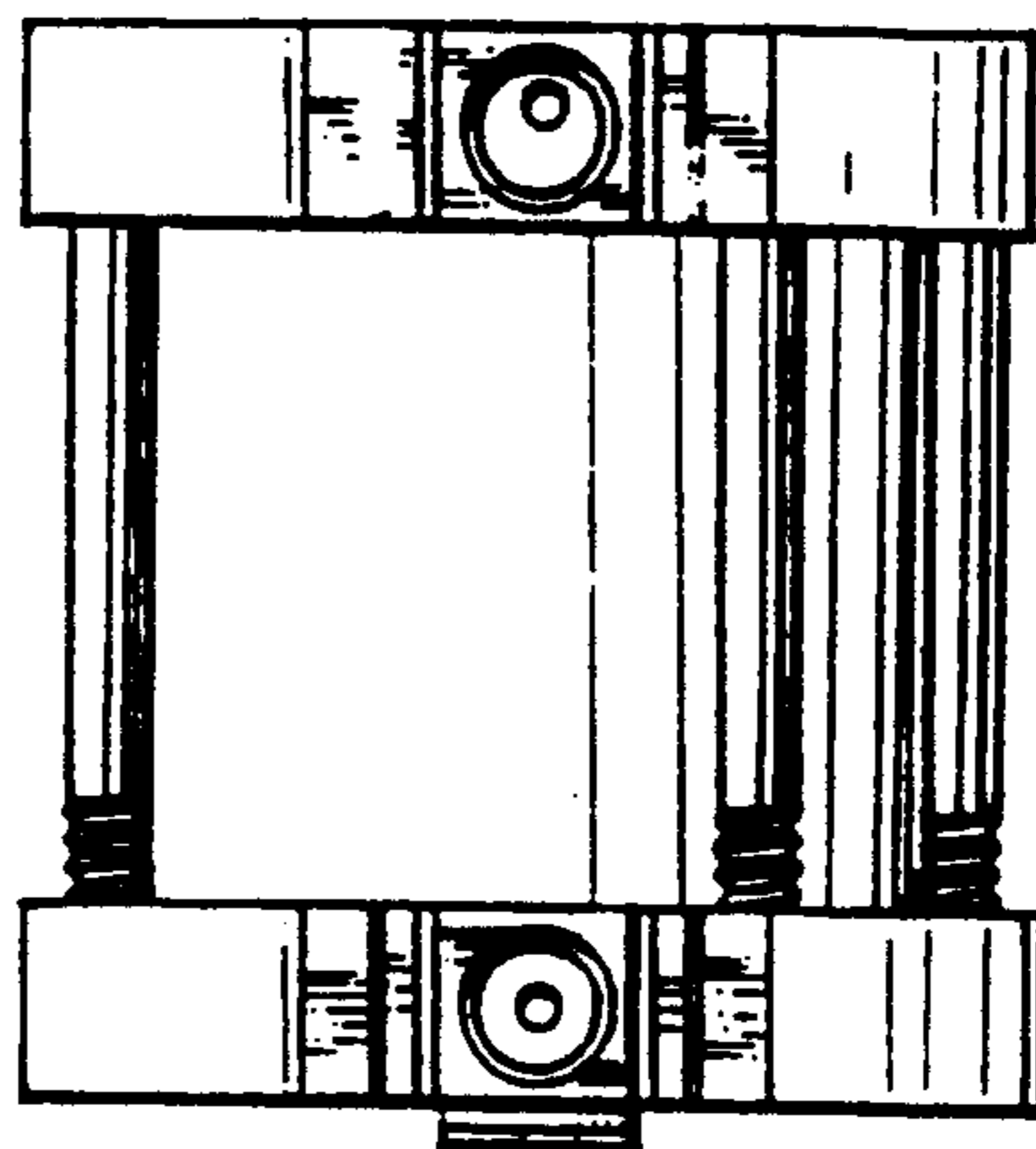


FIG. 12

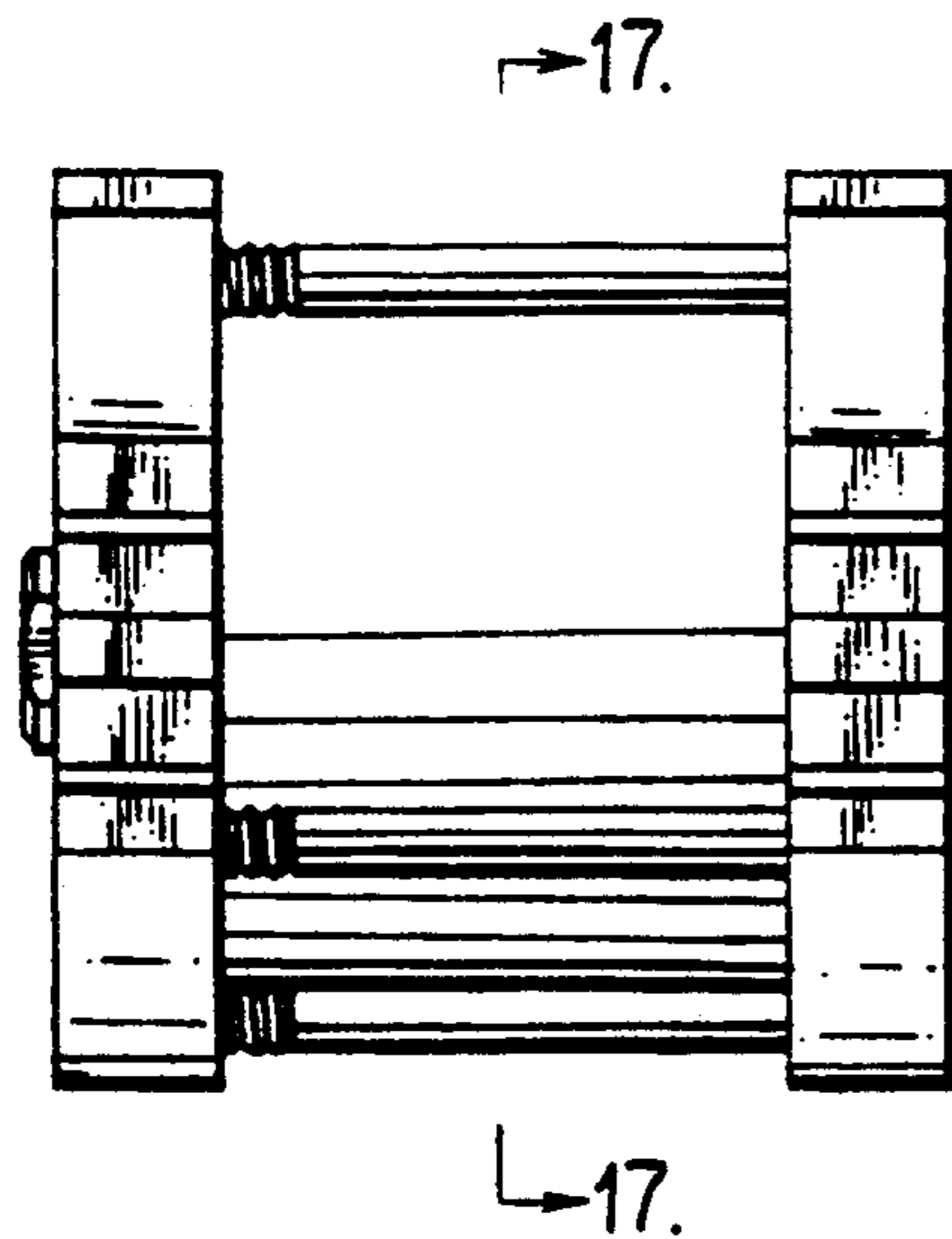


FIG. 13

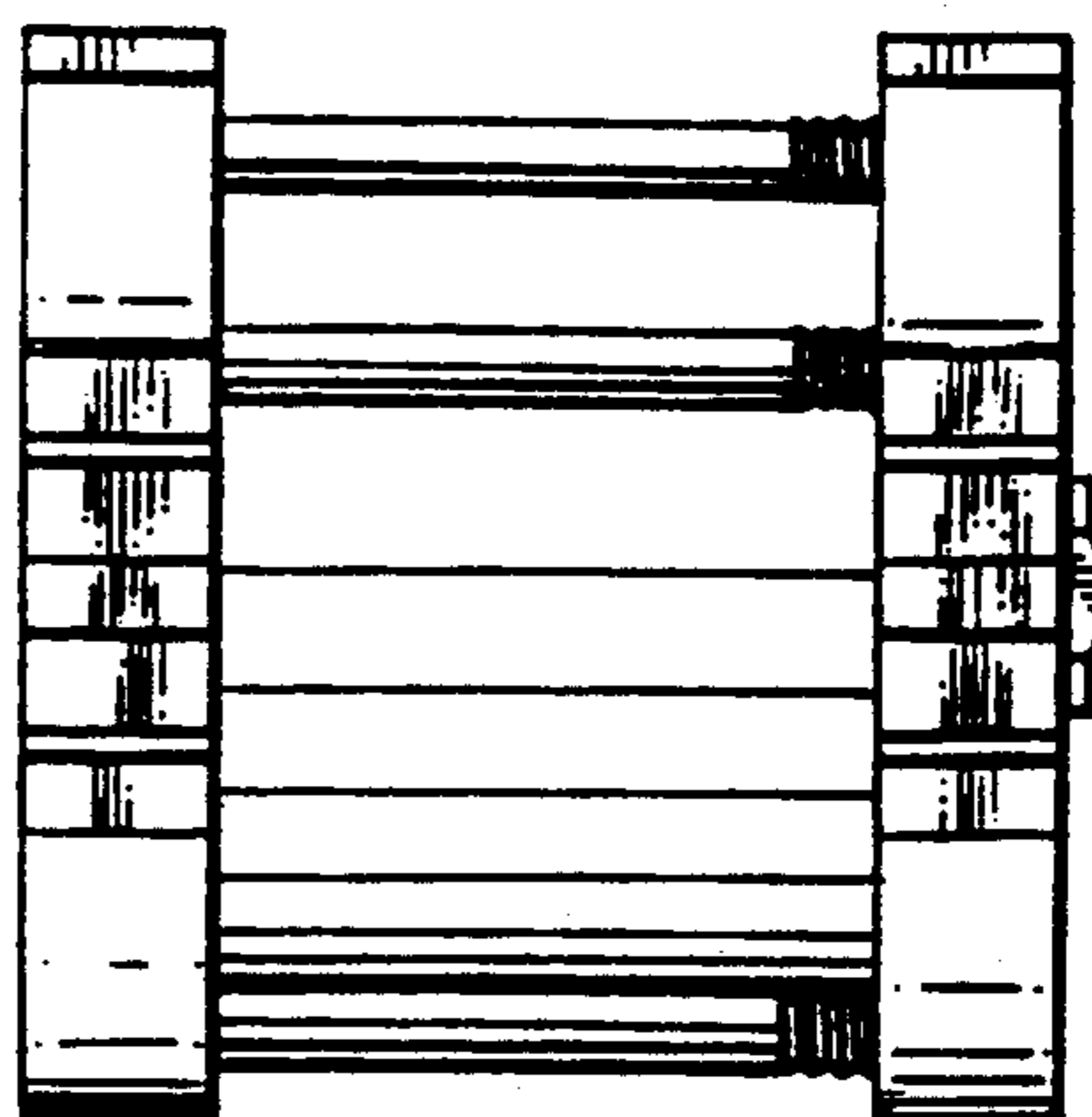


FIG. 14

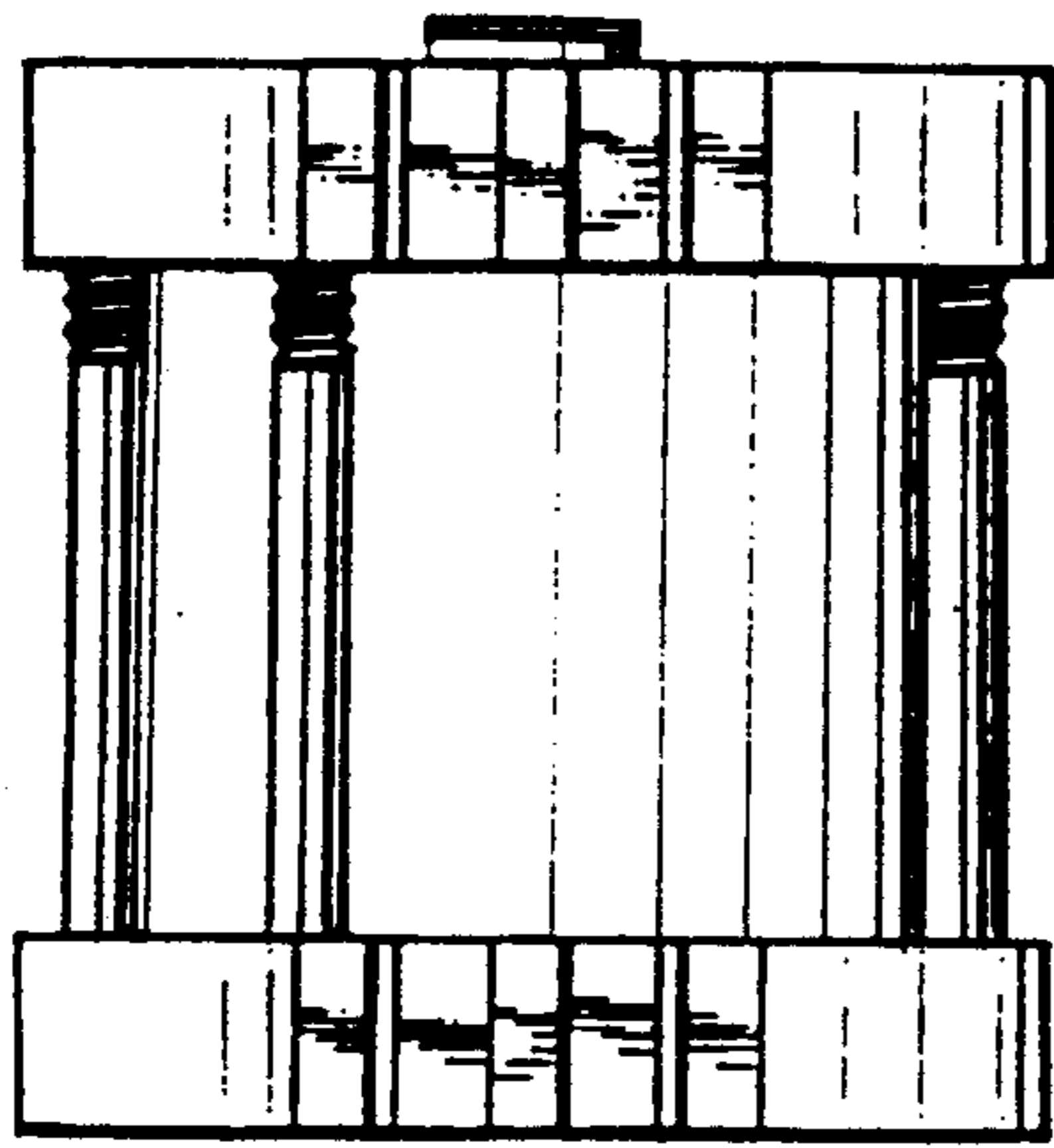


FIG. 15

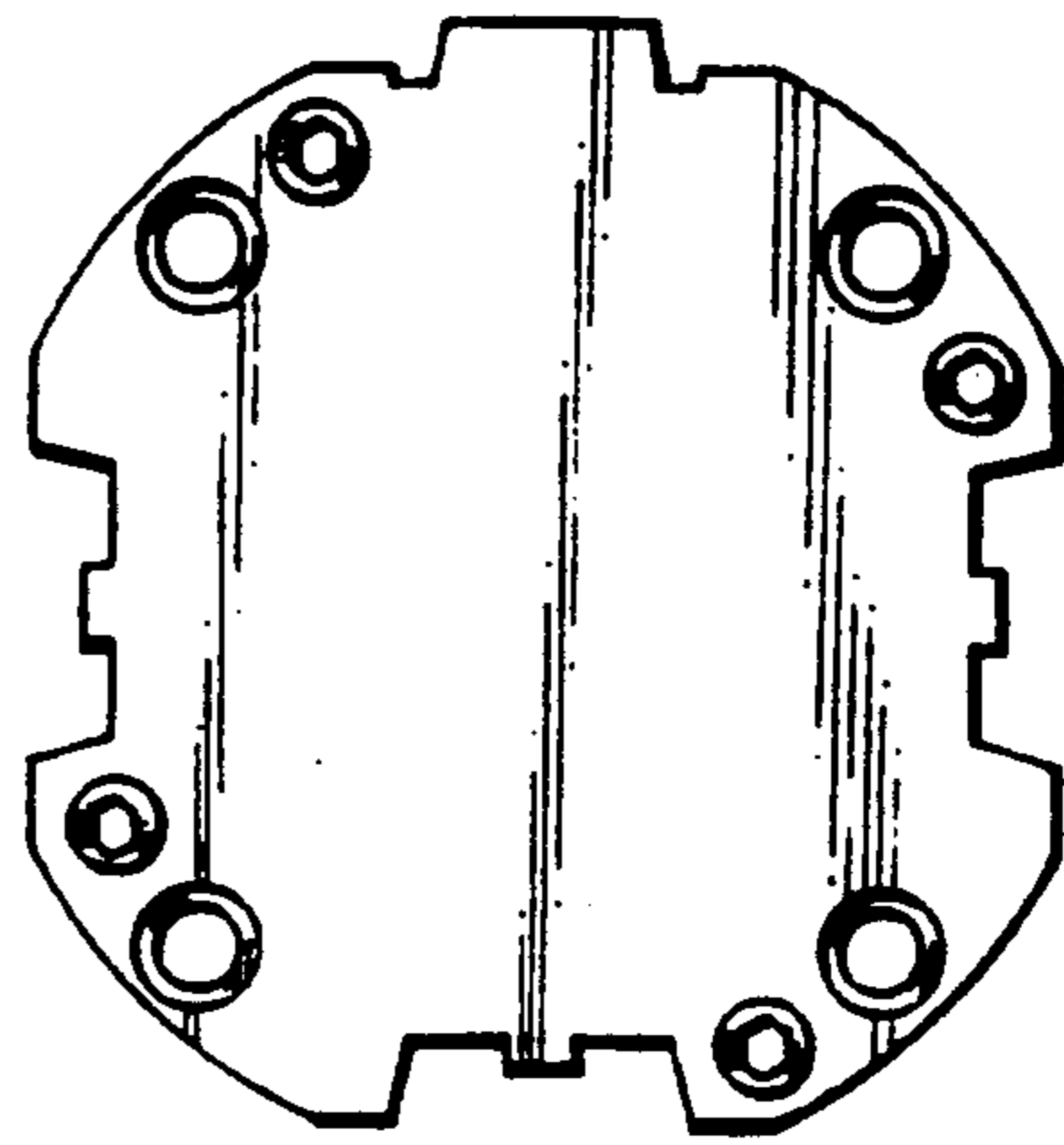


FIG. 16

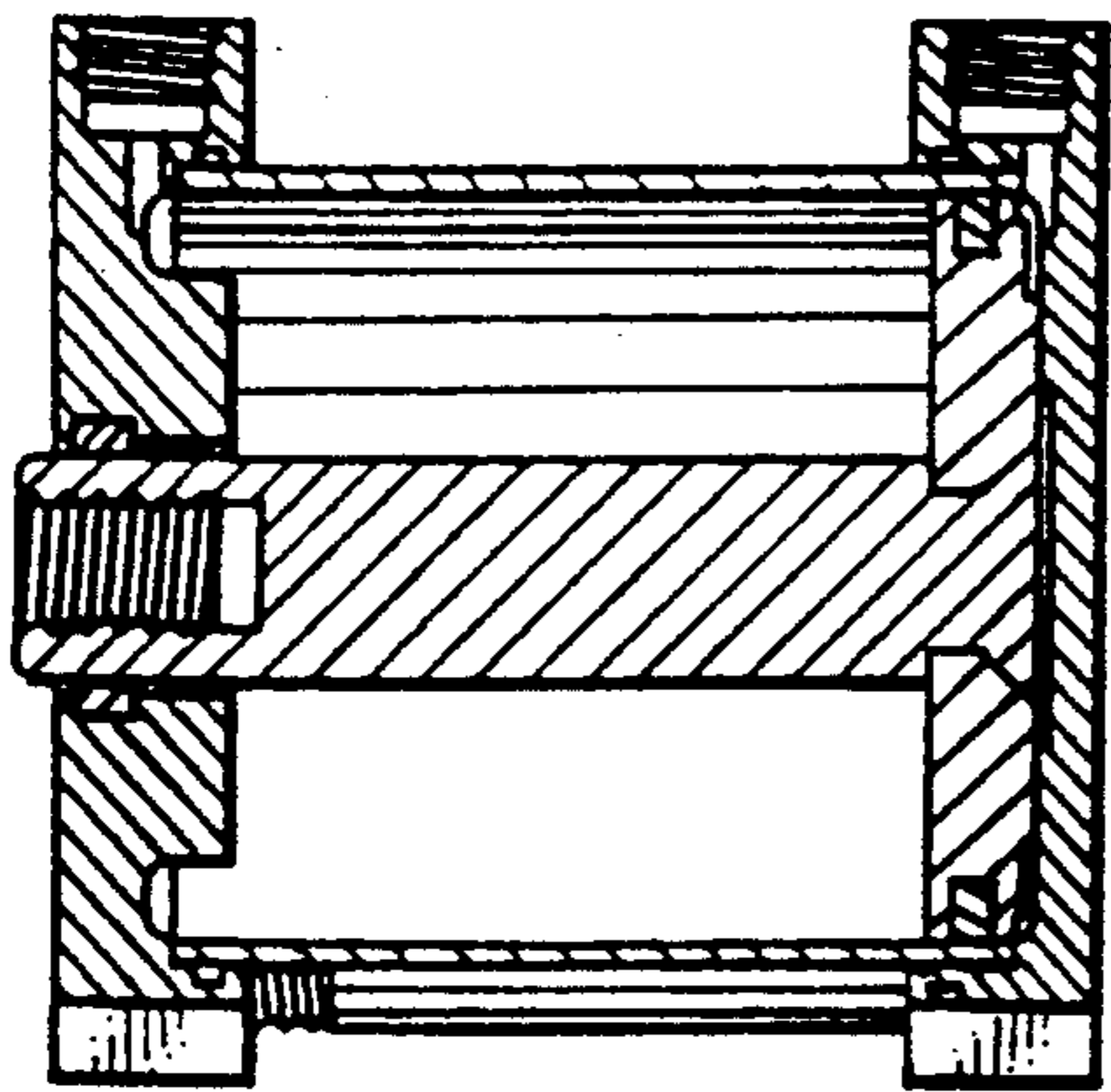


FIG. 17

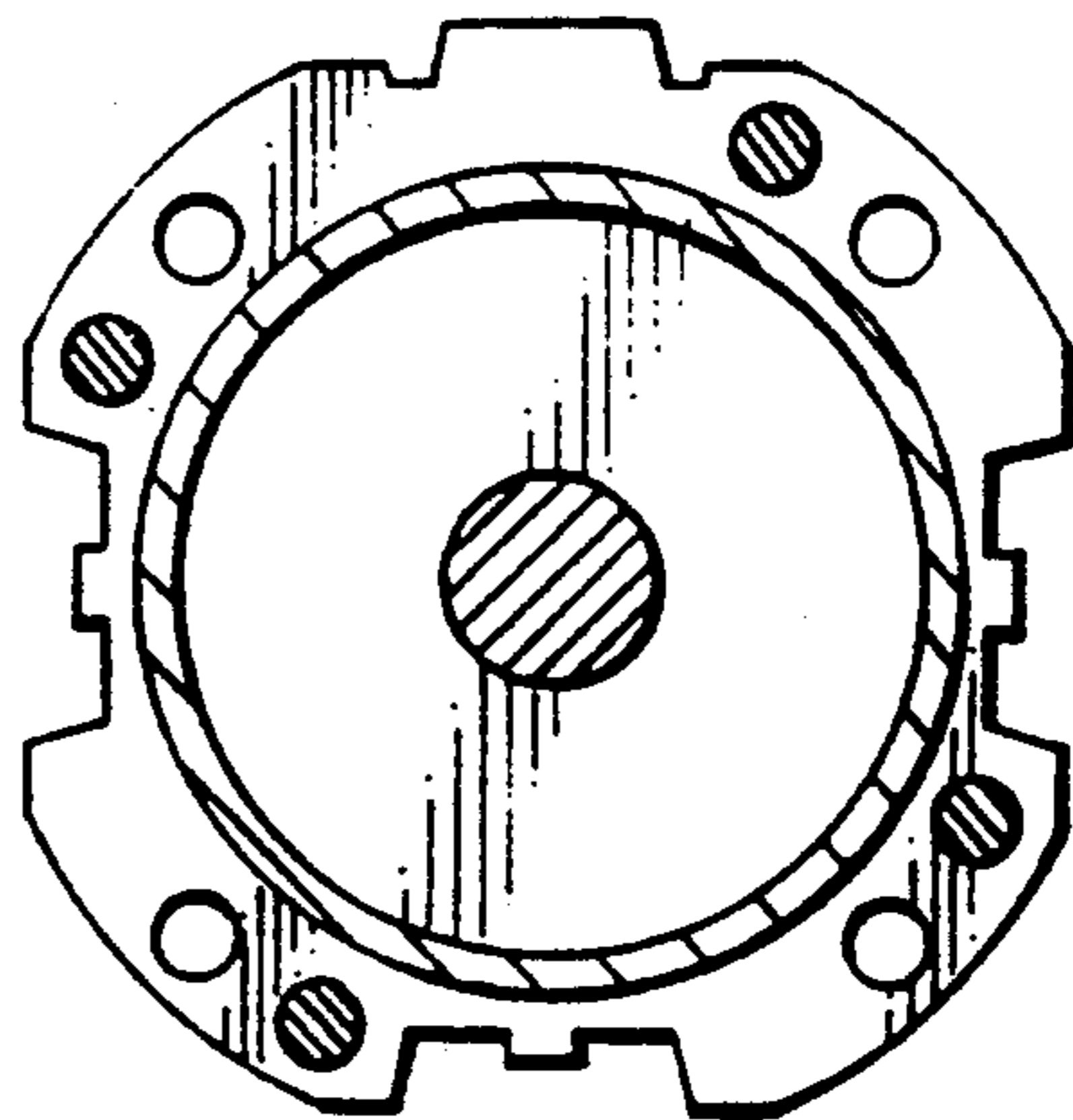


FIG. 18

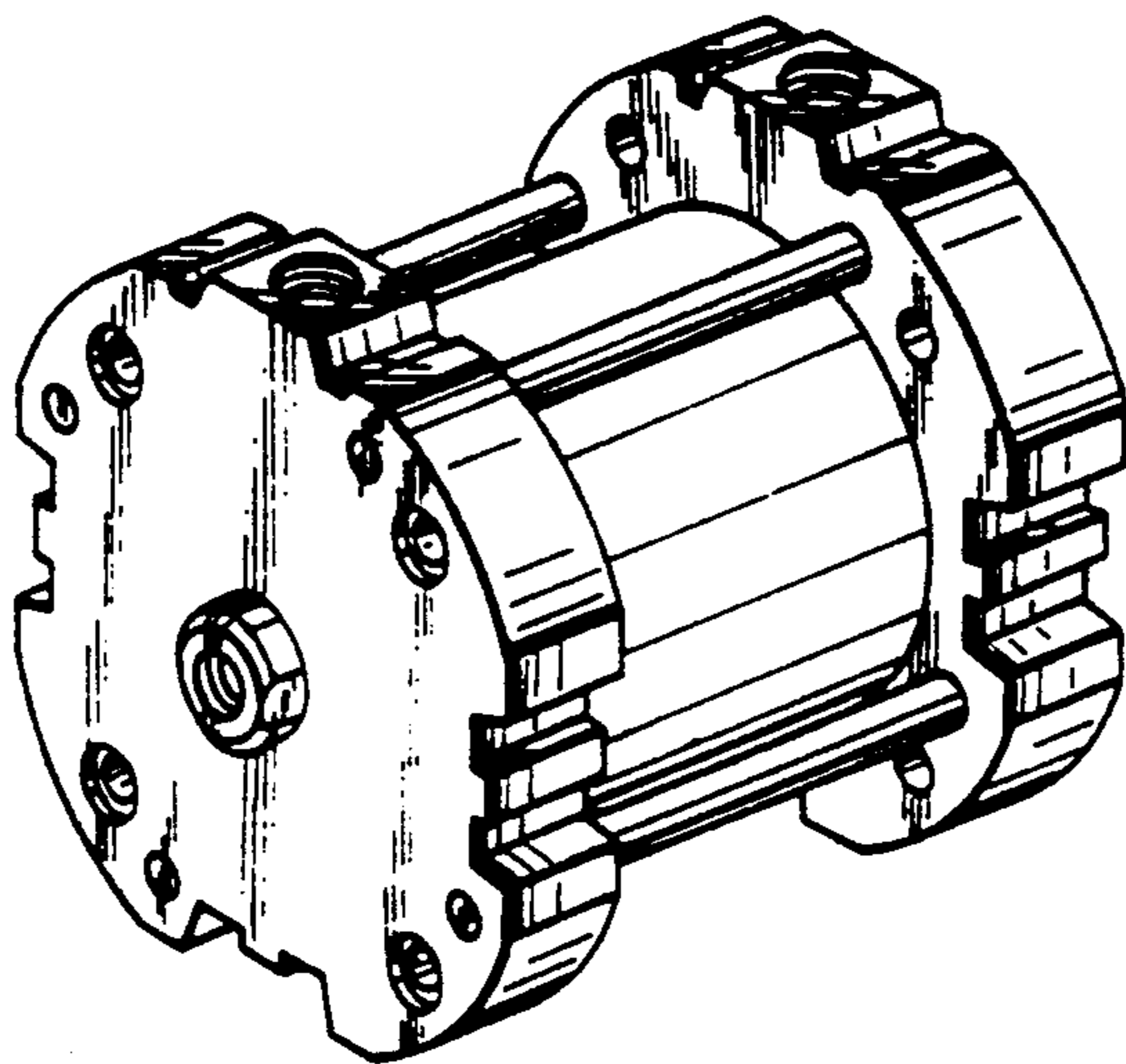


FIG. 19

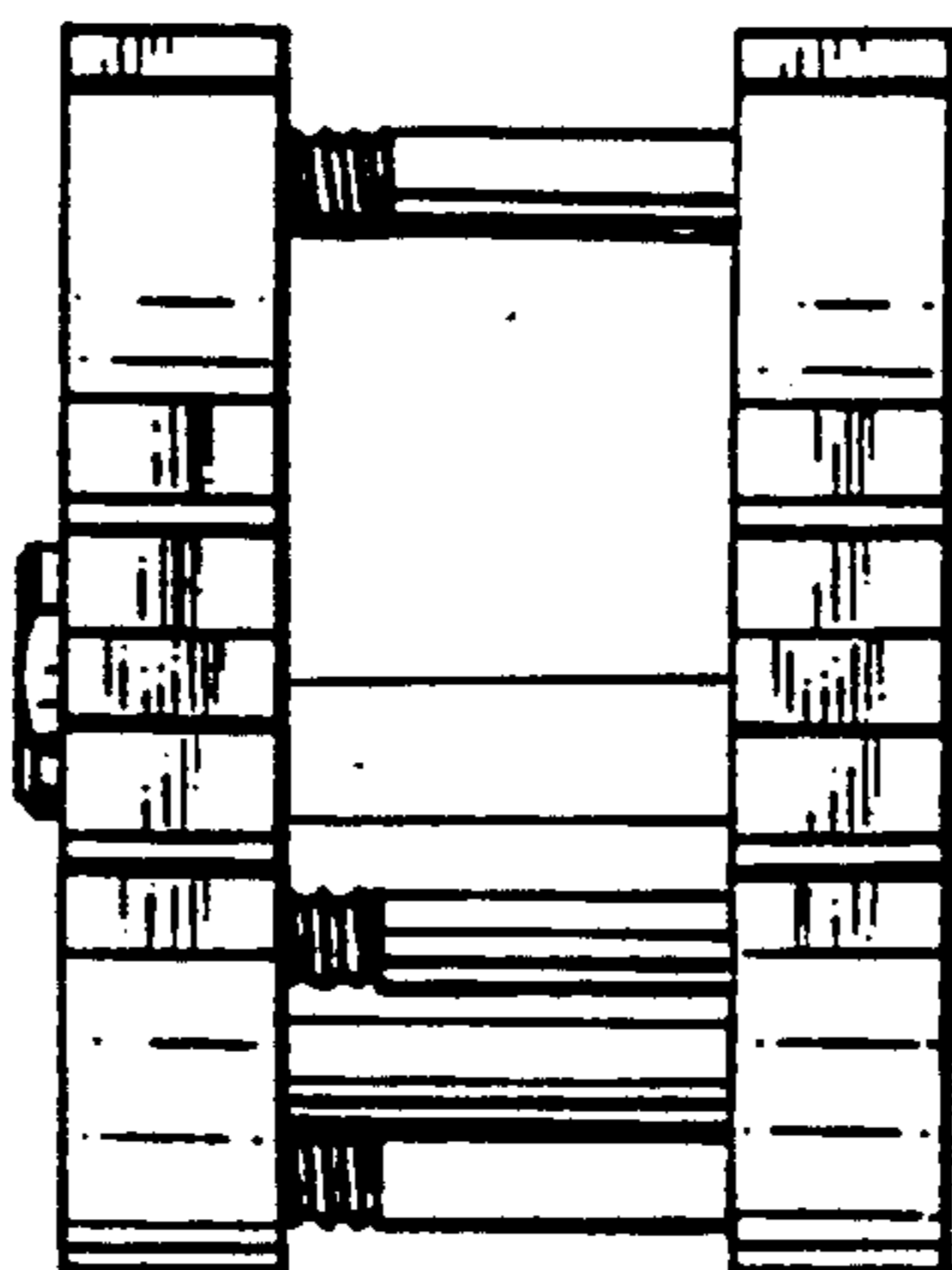


FIG. 20

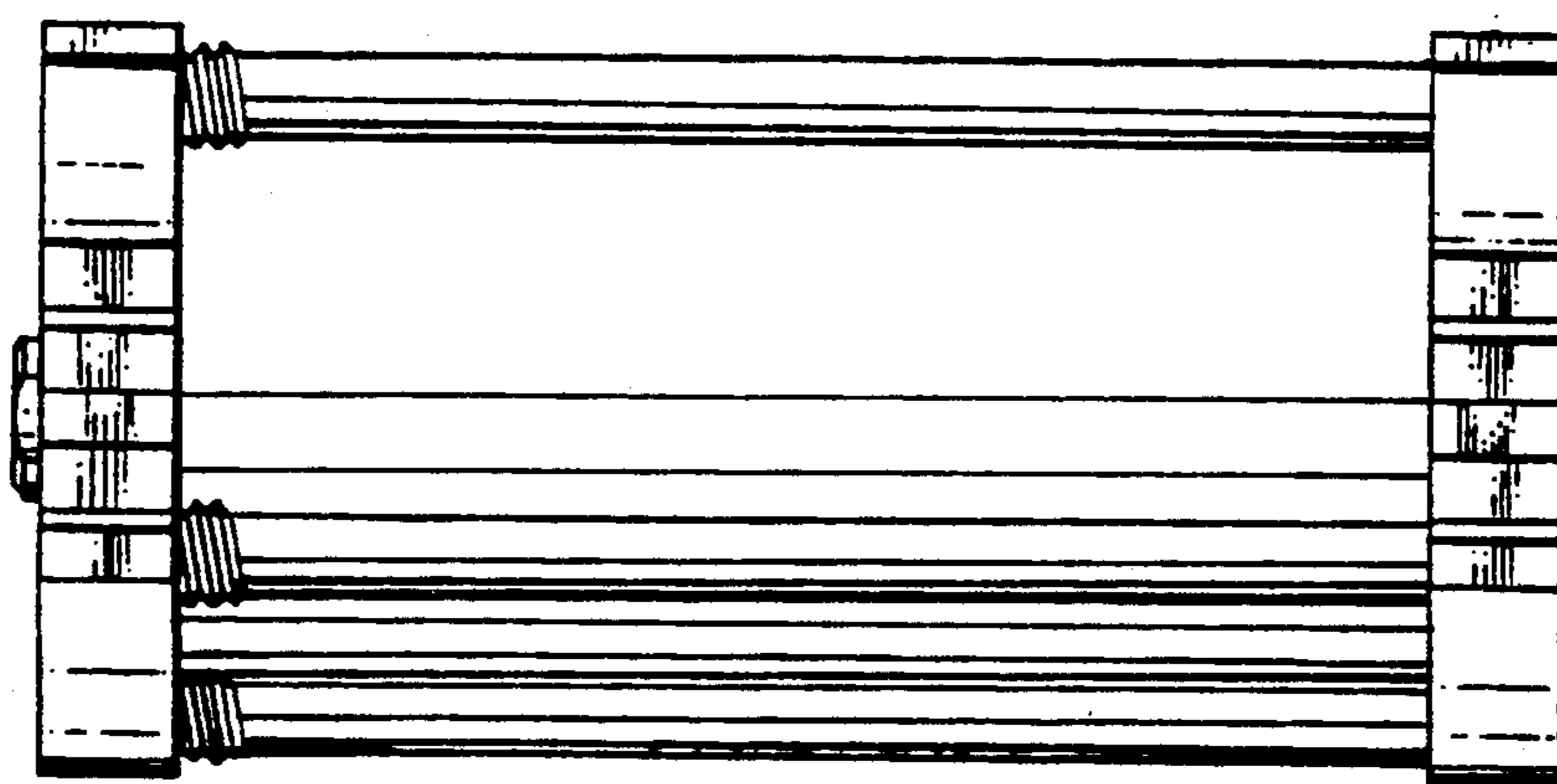


FIG. 21