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

(10) **Patent No.:** **US D503,414 S**  
(45) **Date of Patent:** **\*\* Mar. 29, 2005**

(54) **SIX SEGMENT SPINDLE ASSEMBLY FOR  
USE IN A TIRE BEAD WINDING ASSEMBLY**

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

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(51) **LOC (7) Cl.** ..... **15-09**

(52) **U.S. Cl.** ..... **D15/122**

(58) **Field of Search** ..... 156/136, 442;  
D15/122, 199

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

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\* cited by examiner

*Primary Examiner*—Antoine D. Davis

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Schoeneck & King PLLC

(57) **CLAIM**

The ornamental design for a six segment spindle assembly  
for use in a tire bead winding assembly, as shown and  
described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a six segment spindle  
assembly for use in a tire bead winding assembly;

FIG. 2 is a rear perspective view thereof;

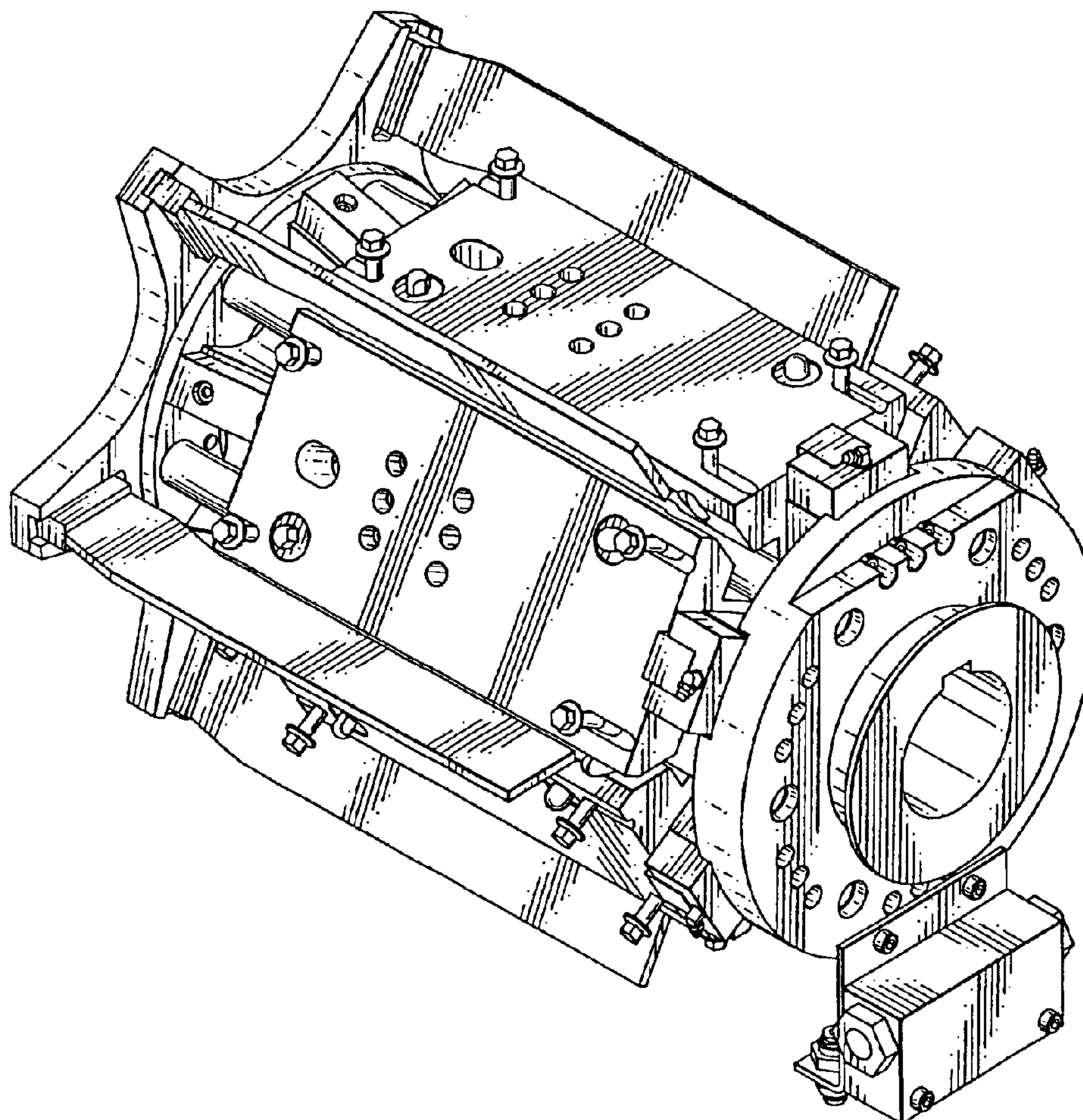
FIG. 3 is a top plan view thereof;

FIG. 4 is a front elevational view thereof;

FIG. 5 is a rear elevational view thereof; and,

FIG. 6 is a bottom plan view thereof.

**1 Claim, 6 Drawing Sheets**





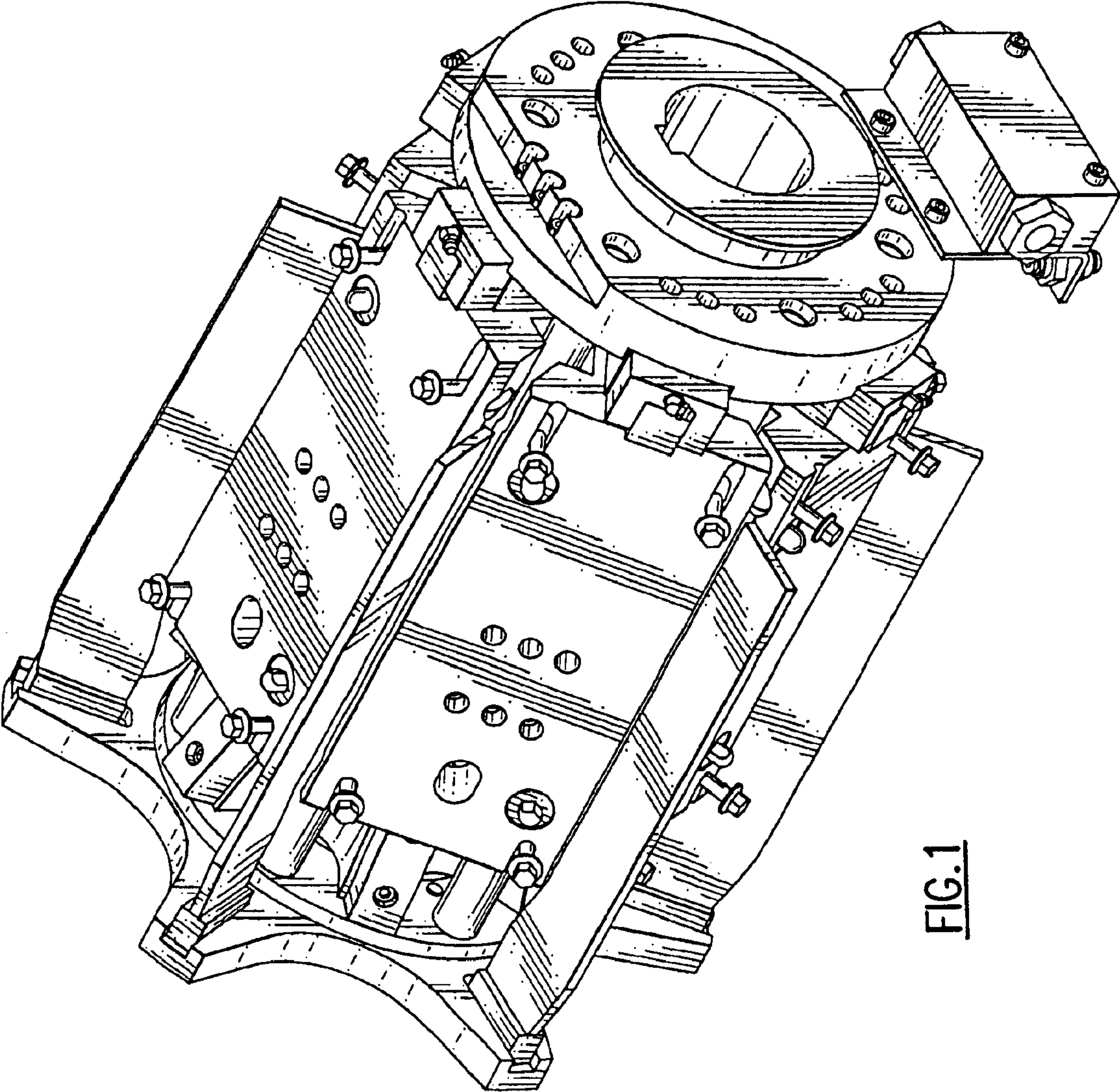


FIG. 1



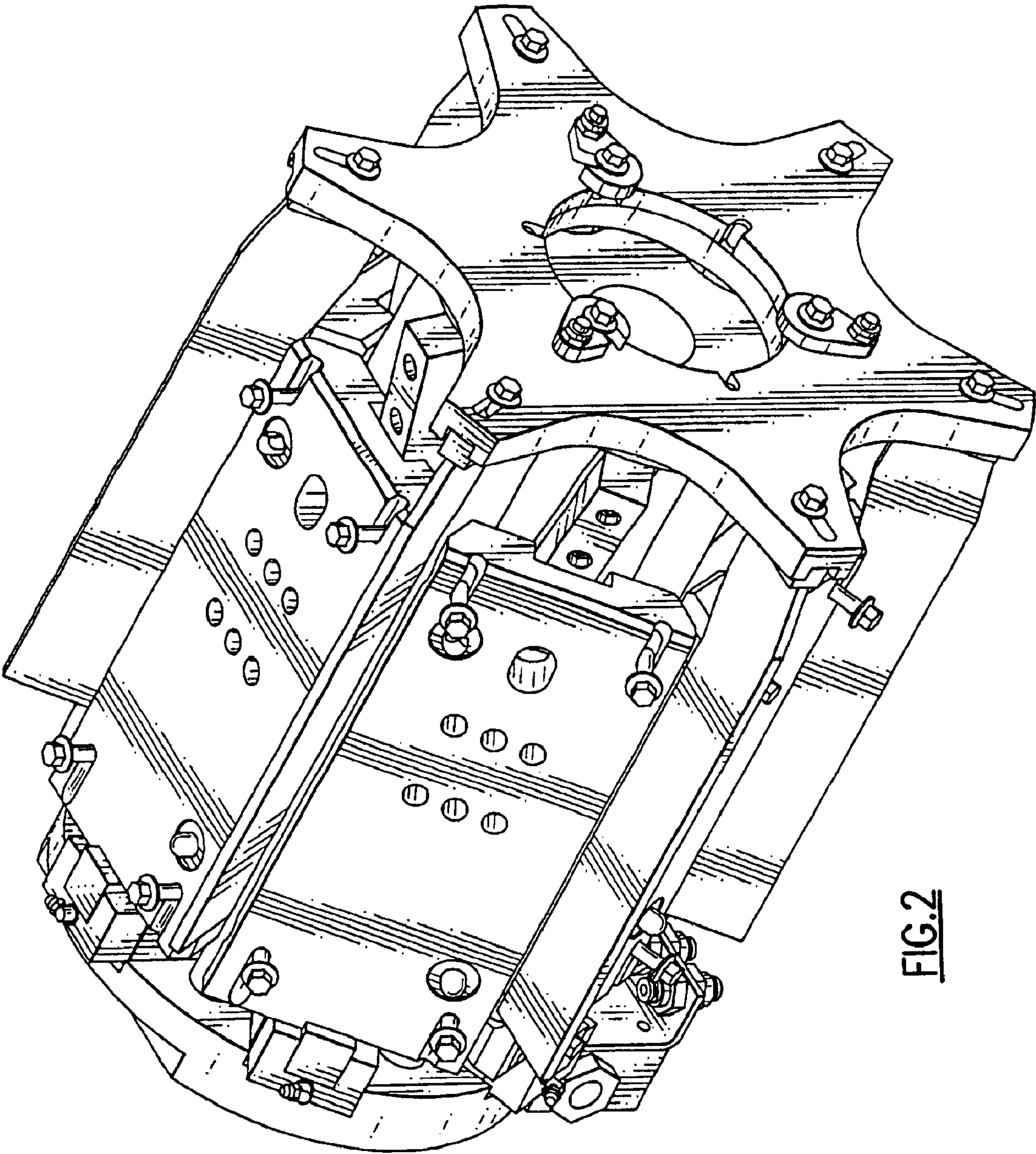


FIG. 2



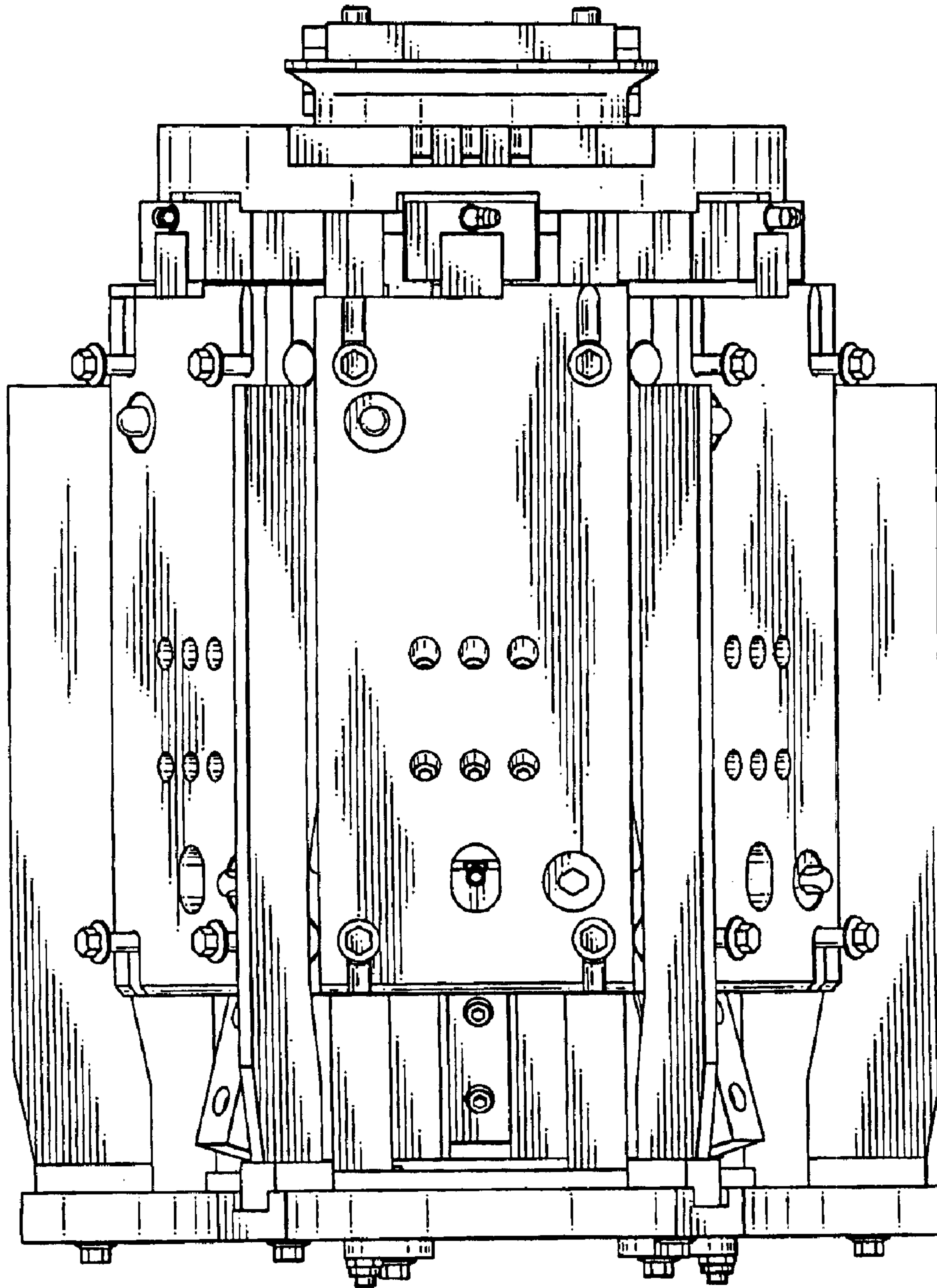


FIG. 3



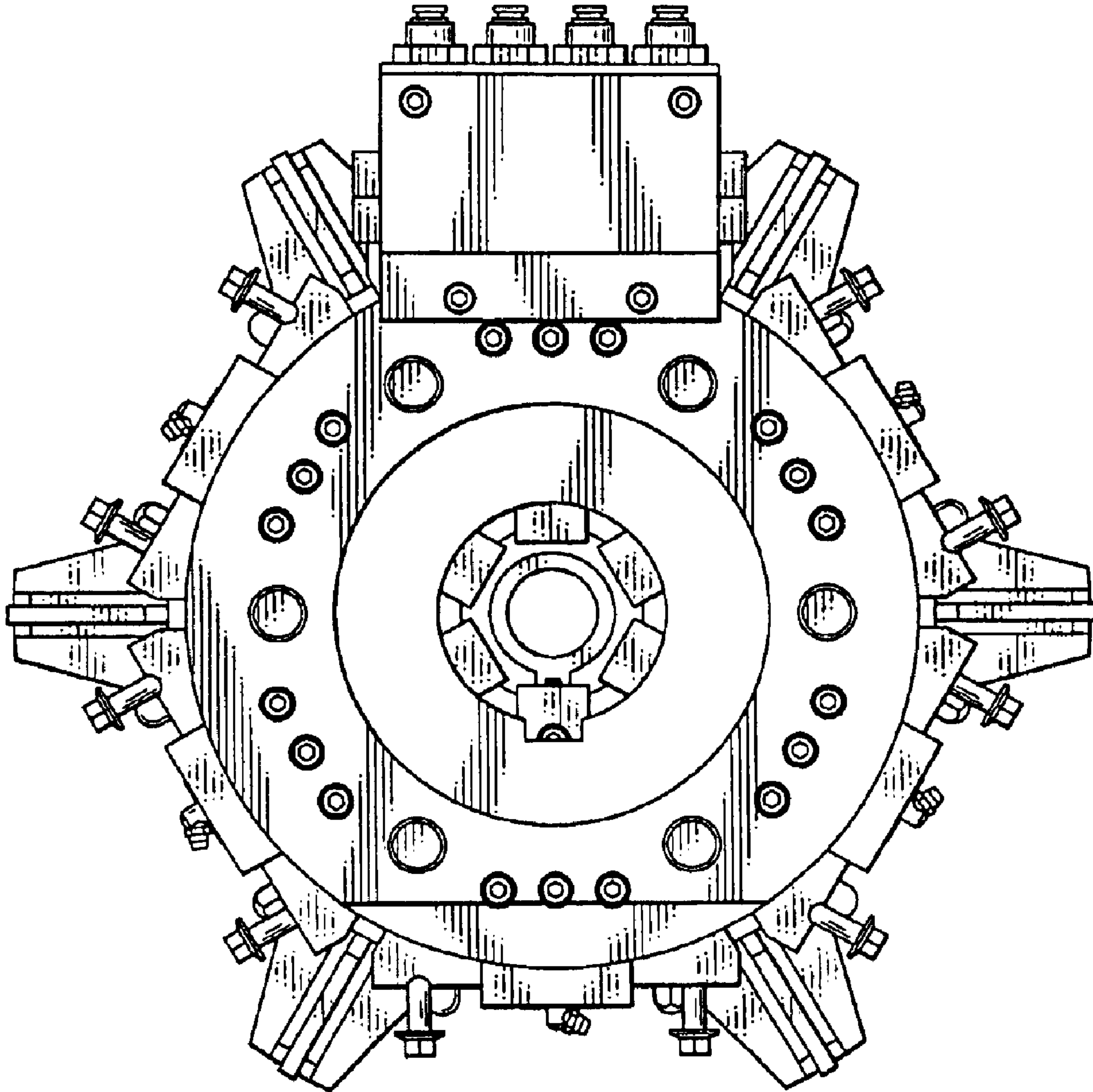


FIG.4



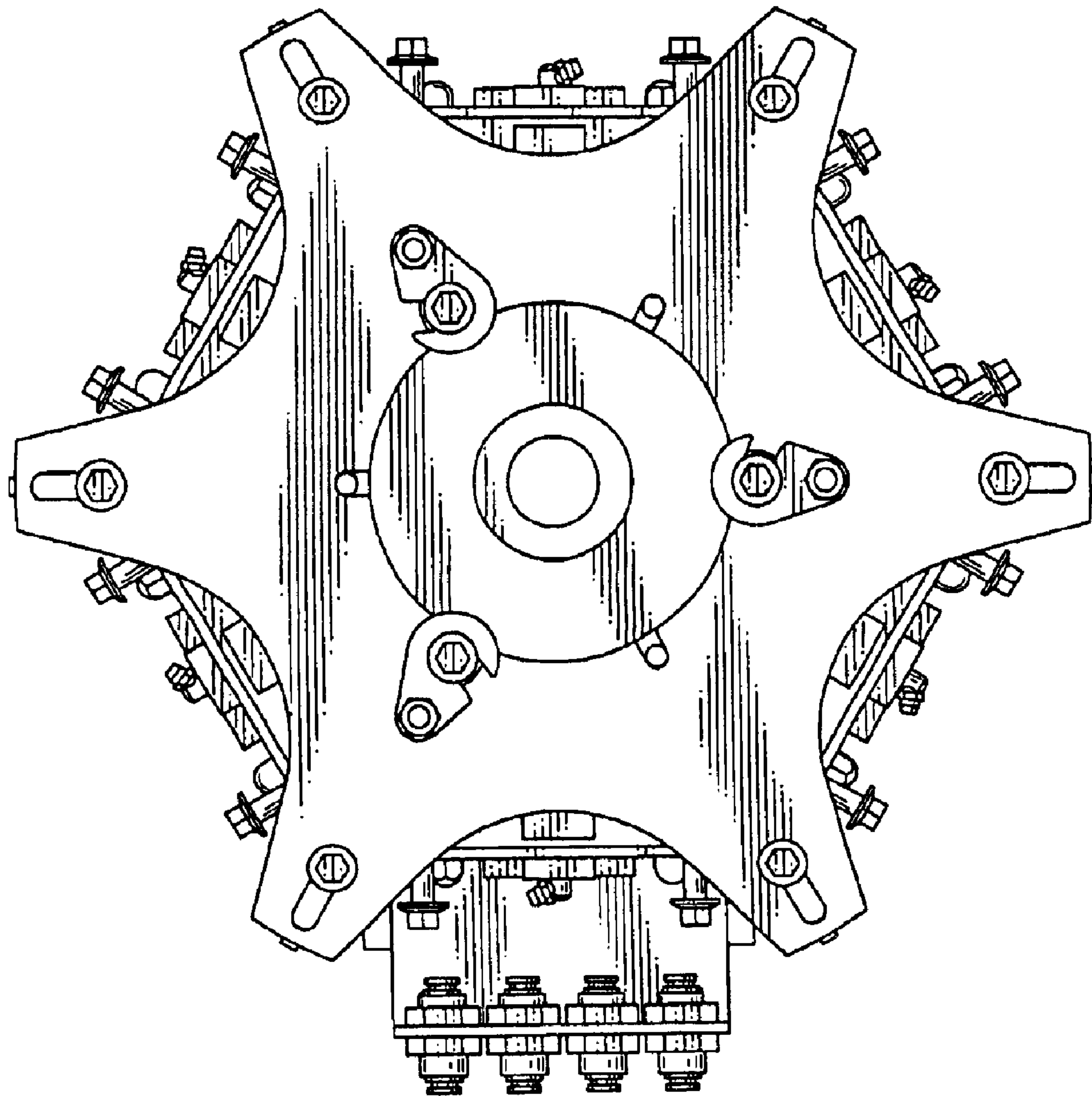


FIG. 5



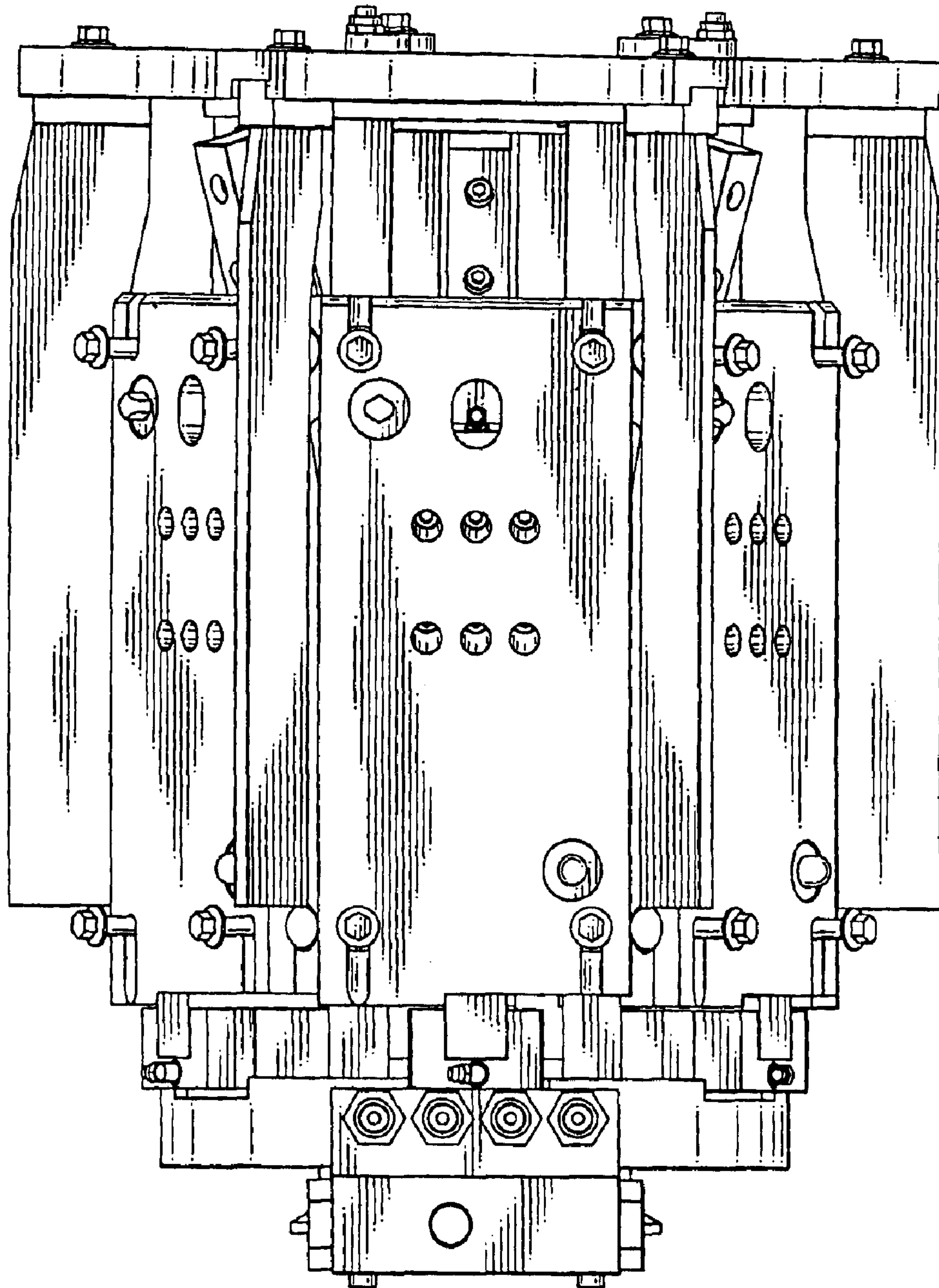


FIG. 6