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(12) **United States Design Patent**  
**Naruoka et al.**

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(54) **SUPERCHARGER CASING FOR INTERNAL COMBUSTION ENGINES**

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

(21) Appl. No.: **29/474,049**

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** ..... **15-01**

(52) **U.S. Cl.**  
USPC ..... **D15/5**

(58) **Field of Classification Search**  
USPC ..... D15/1-6; 123/559.1, 563; 415/17.4,  
415/319, 139, 201.1, 206.1; 60/599, 611  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,319,573 A \* 5/1967 Judd ..... 415/144  
D232,324 S \* 8/1974 Drouin ..... D15/5

4,802,820 A \* 2/1989 Komatsu ..... 415/201  
5,273,010 A \* 12/1993 Elder ..... 123/184.21  
D368,269 S \* 3/1996 Chapman ..... D15/5  
D368,913 S \* 4/1996 Wightley ..... D15/7  
D381,339 S \* 7/1997 Wightley ..... D15/7  
D609,248 S \* 2/2010 Foreman et al. .... D15/7  
D616,902 S \* 6/2010 Foreman et al. .... D15/7  
8,677,750 B2 \* 3/2014 Ferrazzi ..... 60/605.2  
8,790,077 B2 \* 7/2014 Burgess et al. .... 415/127  
2005/0092307 A1 \* 5/2005 Middlebrook et al. .... 123/559.1  
2015/0086347 A1 \* 3/2015 Jinnai et al. .... 415/204

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a supercharger casing for internal combustion engines, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of a supercharger casing for internal combustion engines showing our new design; FIG. 2 is a rear elevational view thereof; FIG. 3 is a left side elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a cross sectional view taken along line VII-VII in FIG. 1; and FIG. 8 is a front perspective view thereof; and, FIG. 9 is a rear perspective view thereof. The supercharger casing is used in an internal combustion engine to cover a supercharger system.

**1 Claim, 9 Drawing Sheets**

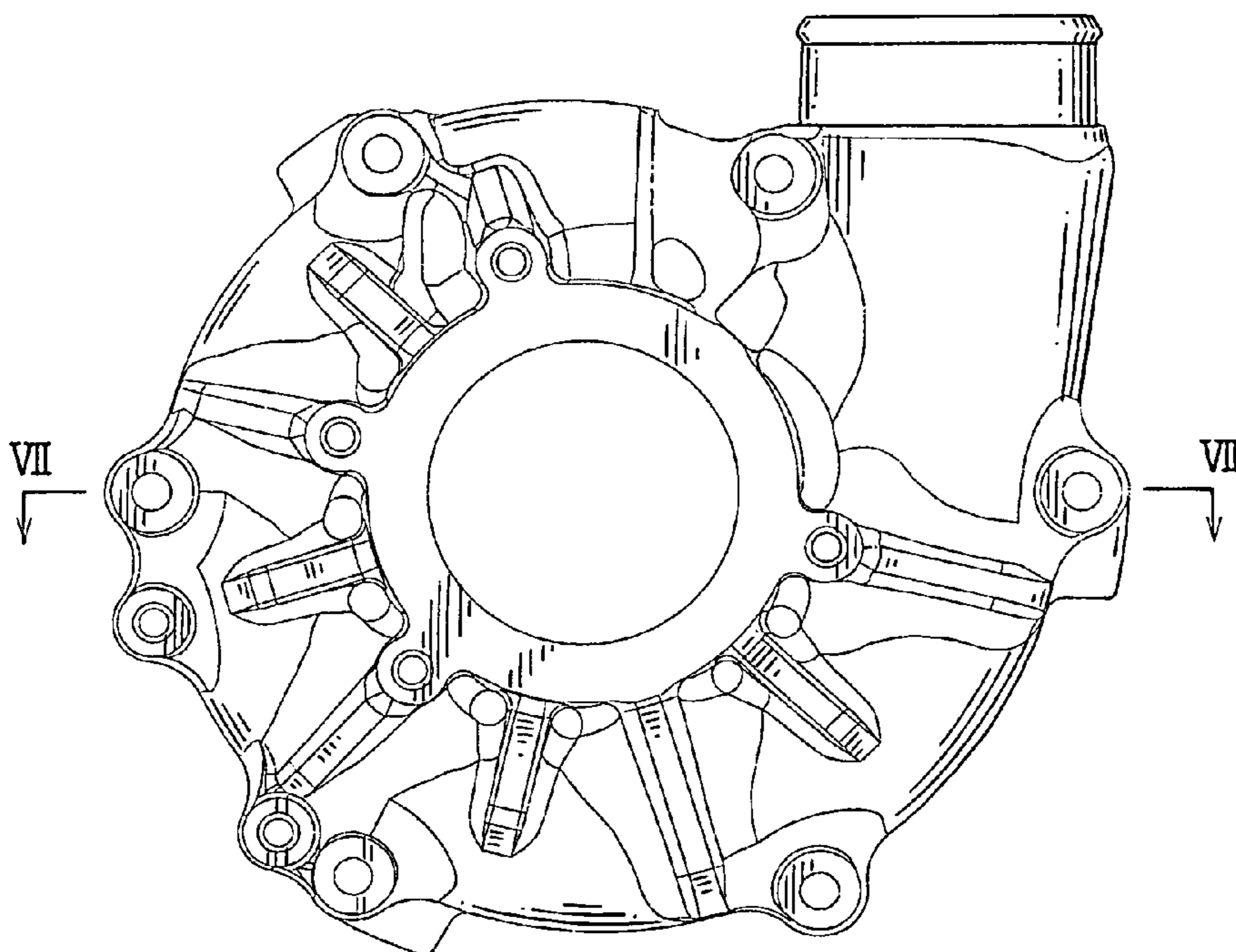


Fig. 1

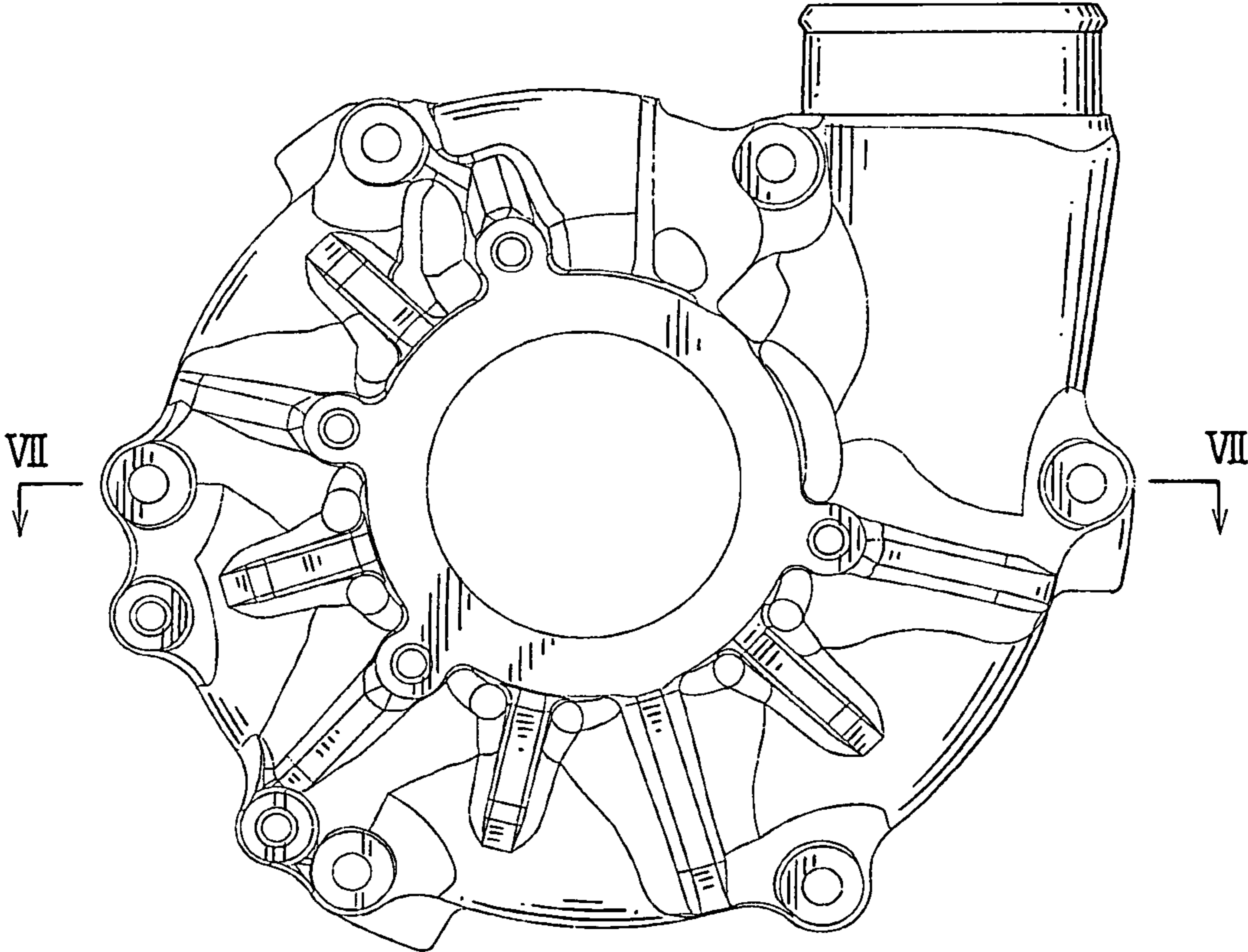


Fig. 2

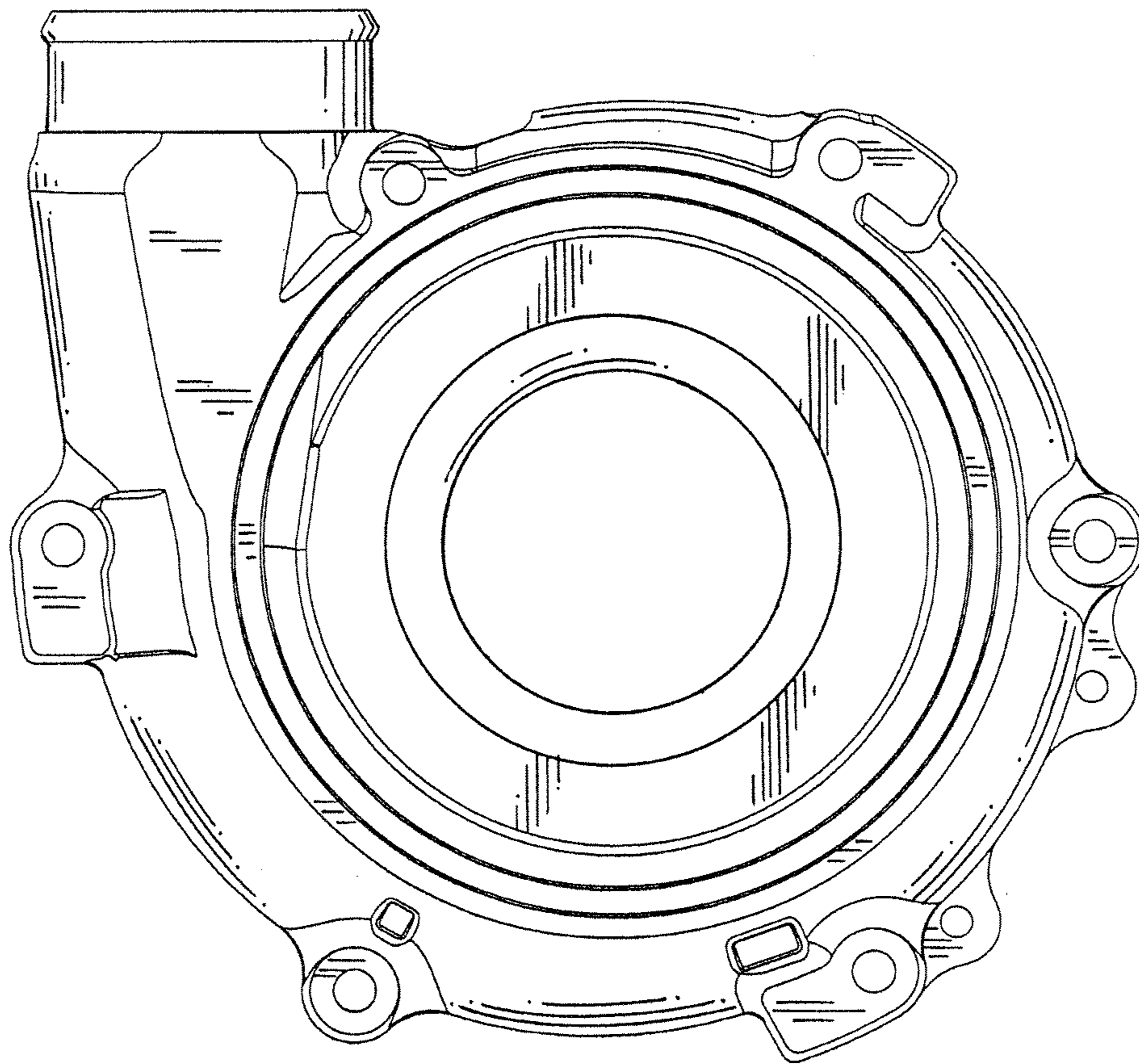


Fig. 3

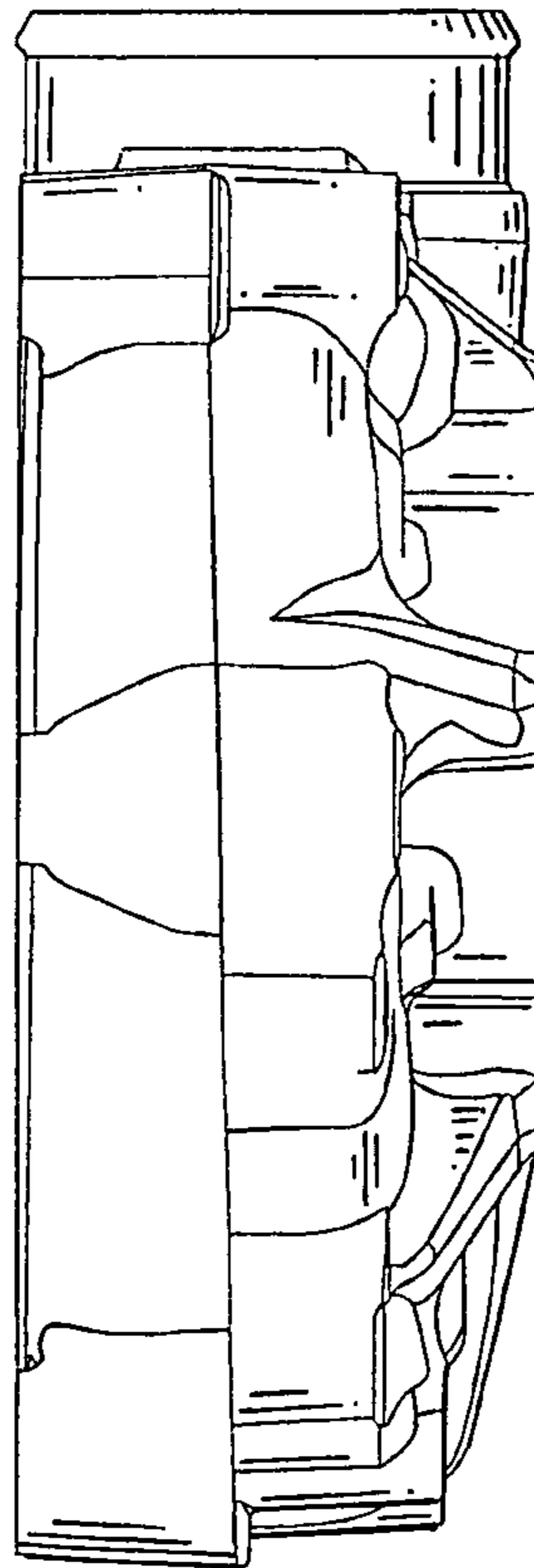


Fig. 4

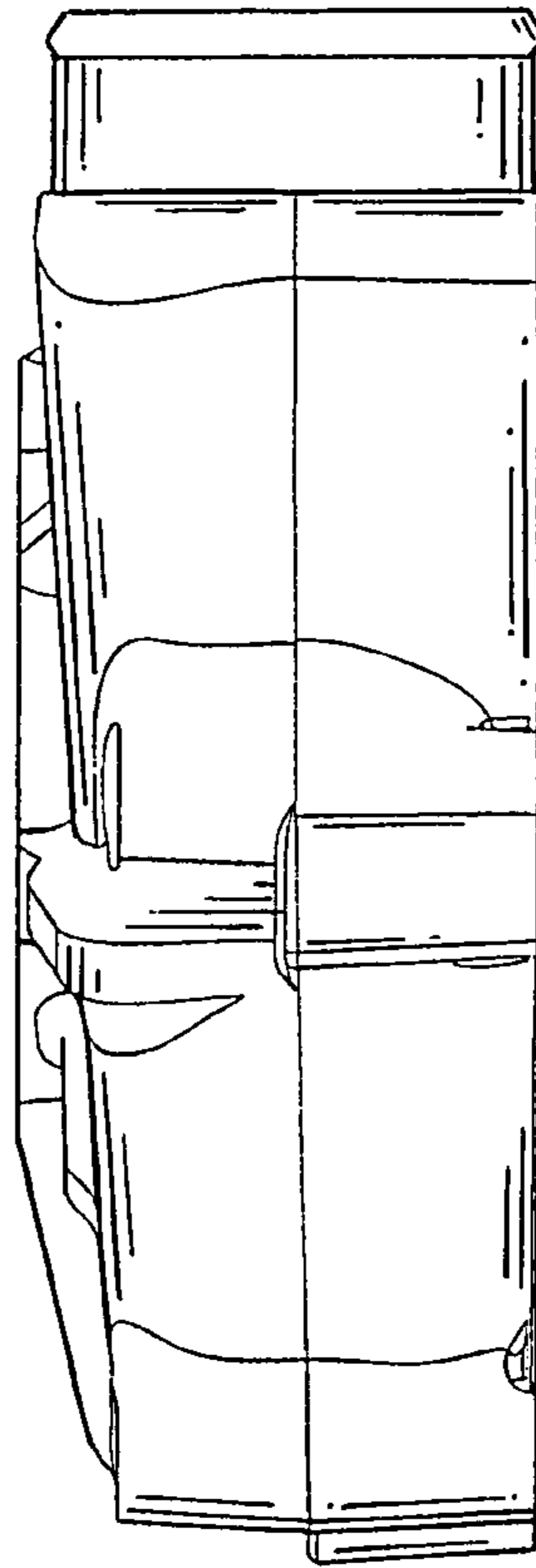


Fig. 5

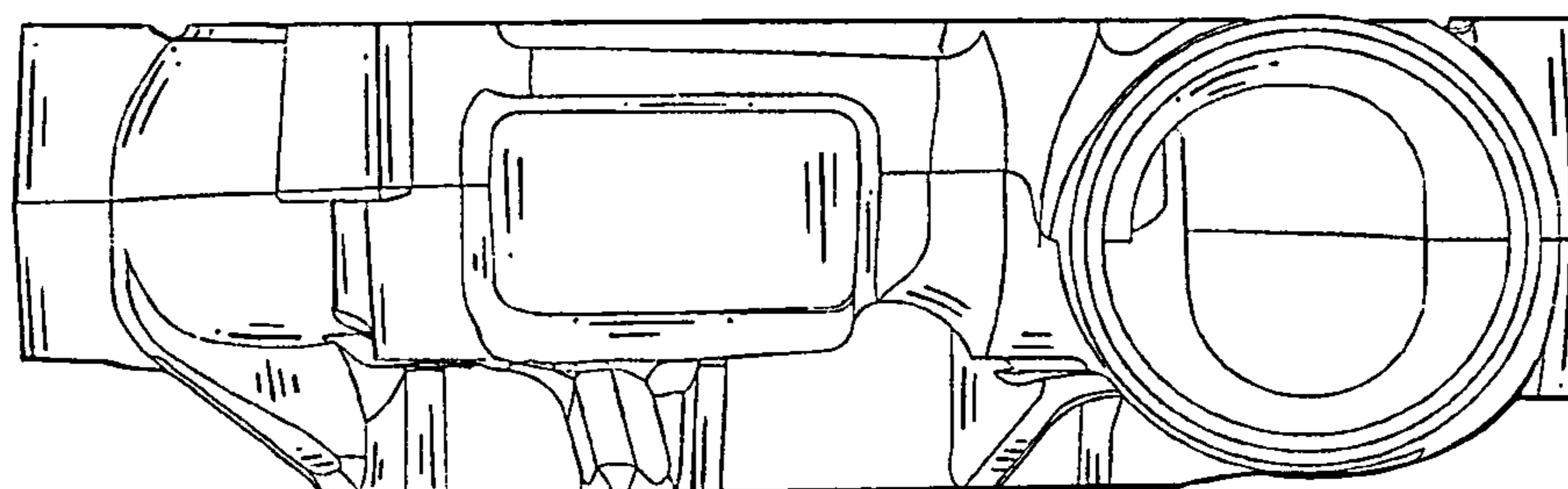


Fig. 6

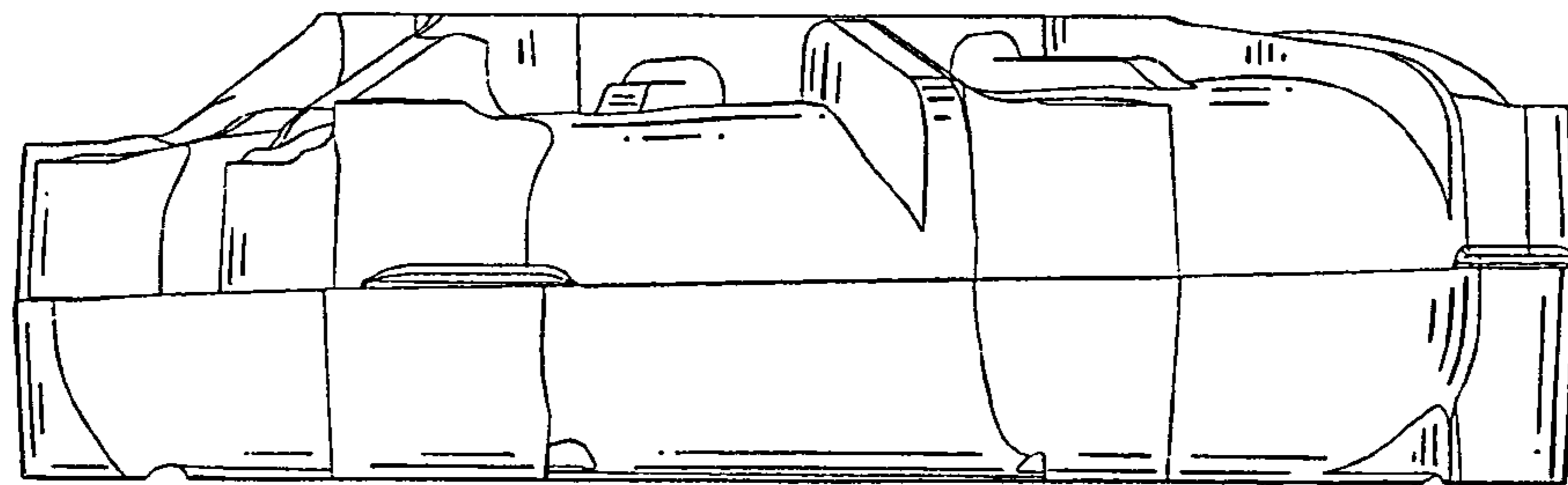


Fig. 7

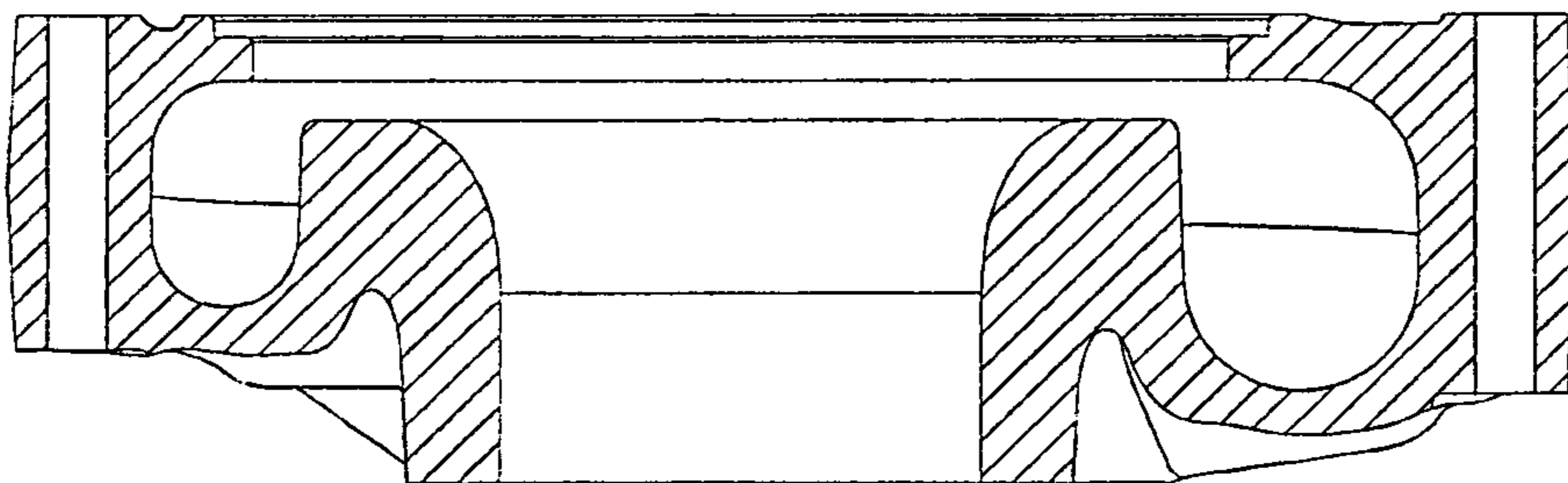




Fig. 8

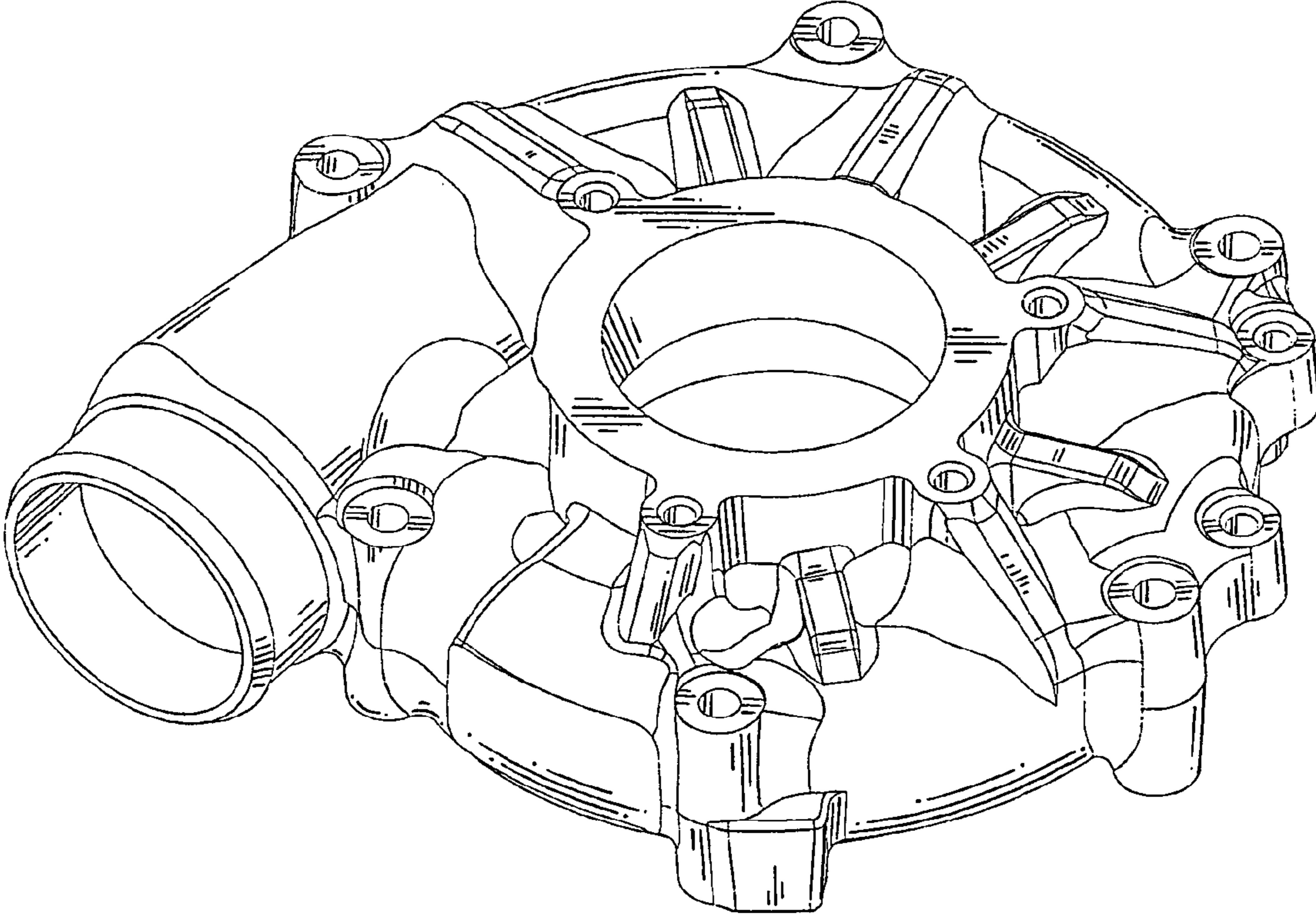


Fig. 9

