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

(10) **Patent No.: US D620,848 S**
(45) **Date of Patent: ** Aug. 3, 2010**

(54) **REAR END GEAR BOX HOUSING WITH OFFSET INPUT**

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(73) Assignee: **Diversified Machine, Inc.**, Lancaster, PA (US)

(**) Term: **14 Years**
(21) Appl. No.: **29/327,299**
(22) Filed: **Nov. 3, 2008**
(51) **LOC (9) Cl.** **12-16**
(52) **U.S. Cl.** **D12/160**
(58) **Field of Classification Search** D12/159, D12/160; 280/5.5–5.524; D15/7, 148; 301/126–130
See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a rear end gear box housing with offset input, as shown and described.

DESCRIPTION

FIG. **1** is a left side elevational view of the rear end gear box housing with offset input showing my new design, the cover for the tilted back side transfer cowling being shown in phantom;

FIG. **2** is a right side elevational view thereof, the cover for the transfer cowling being shown in phantom;

FIG. **3** is a front elevational view thereof, the broken line showing a bearing race is included for the purpose of illustrating environment and forms no part of the claimed design;

FIG. **4** is a rear elevational view thereof showing the offset opening for the power input shaft;

FIG. **5** is a top plan view thereof, the cover for the transfer cowling being shown in phantom;

FIG. **6** is a bottom plan view thereof, the cover for the transfer cowling being shown in phantom;

FIG. **7** is a left rear perspective view thereof;

FIG. **8** is a left side elevational view of an alternative embodiment of the rear end gear box housing with offset input, the cover for the tilted back side transfer cowling being shown in phantom;

FIG. **9** is a right side elevational view of the alternative embodiment, the cover for the transfer cowling being shown in phantom;

FIG. **10** is a front elevational view of the alternative embodiment, the broken line showing a bearing race is included for the purpose of illustrating environment and forms no part of the claimed design;

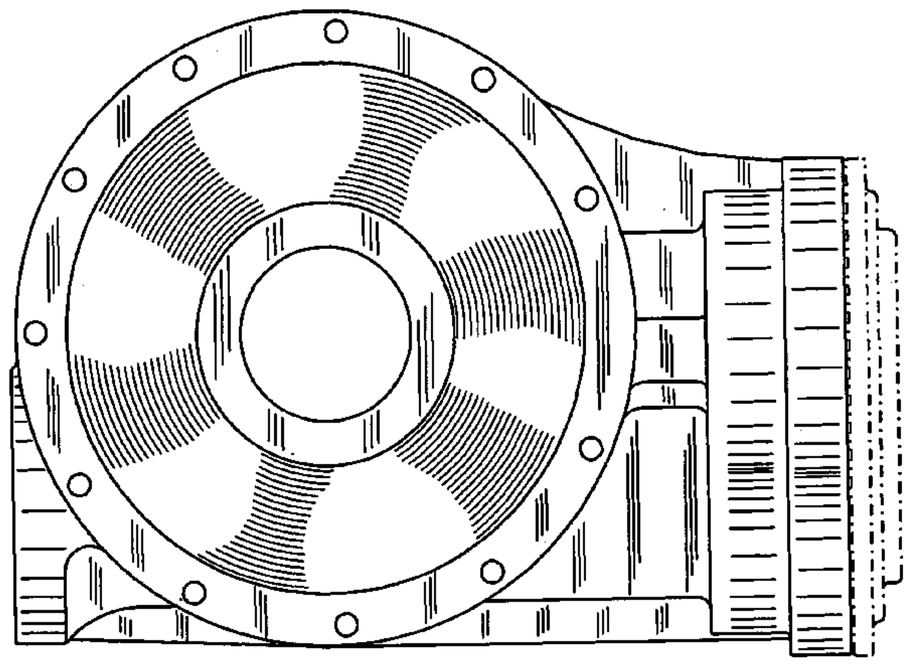
FIG. **11** is a rear elevational view of the alternative embodiment showing the offset opening for the power input shaft;

FIG. **12** is a top plan view of the alternative embodiment, the cover for the transfer cowling being shown in phantom;

FIG. **13** is a bottom plan view of the alternative embodiment, the cover for the transfer cowling being shown in phantom; and,

FIG. **14** is a left rear perspective view of the alternative embodiment.

1 Claim, 14 Drawing Sheets



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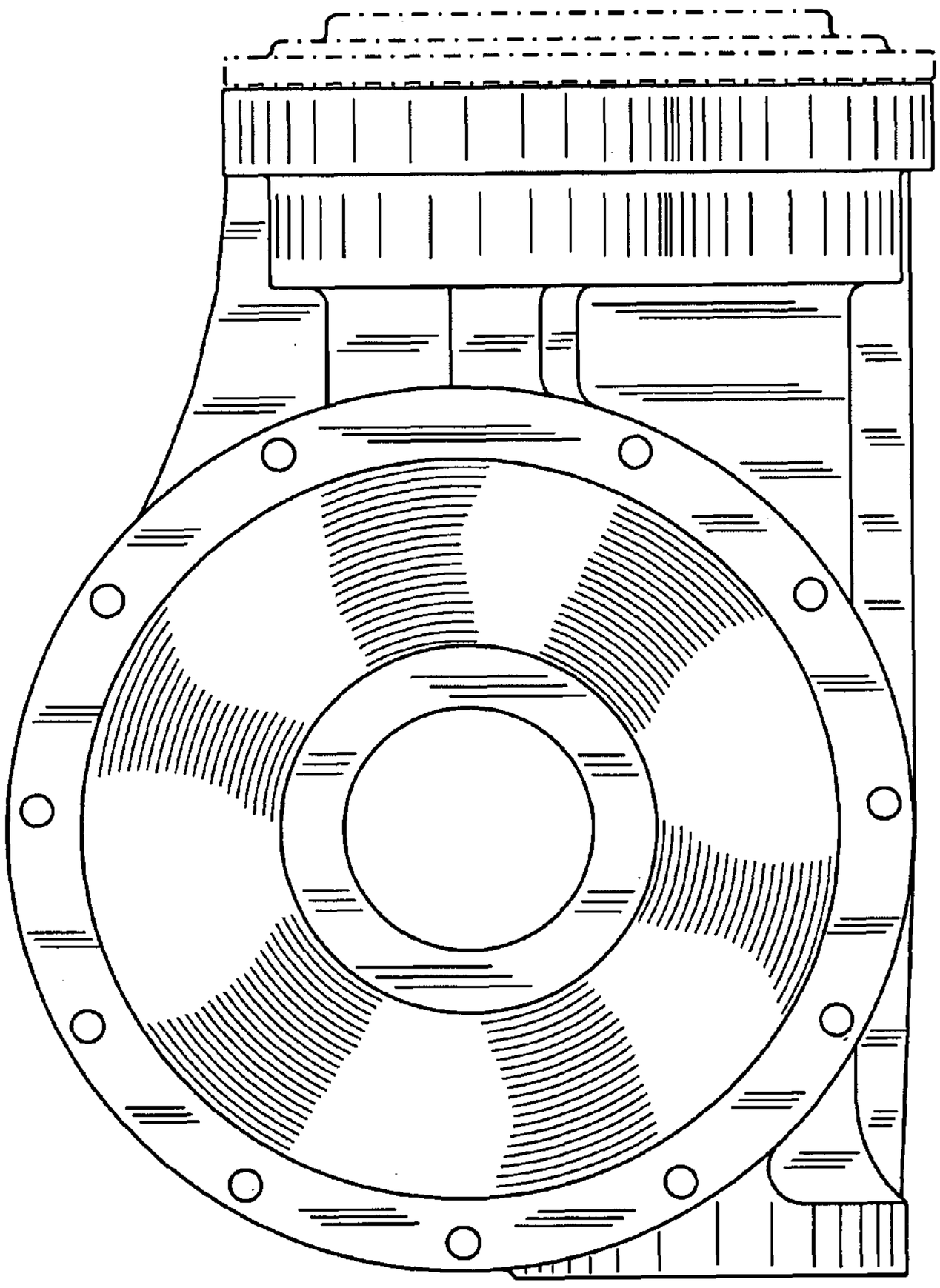


Fig. 1

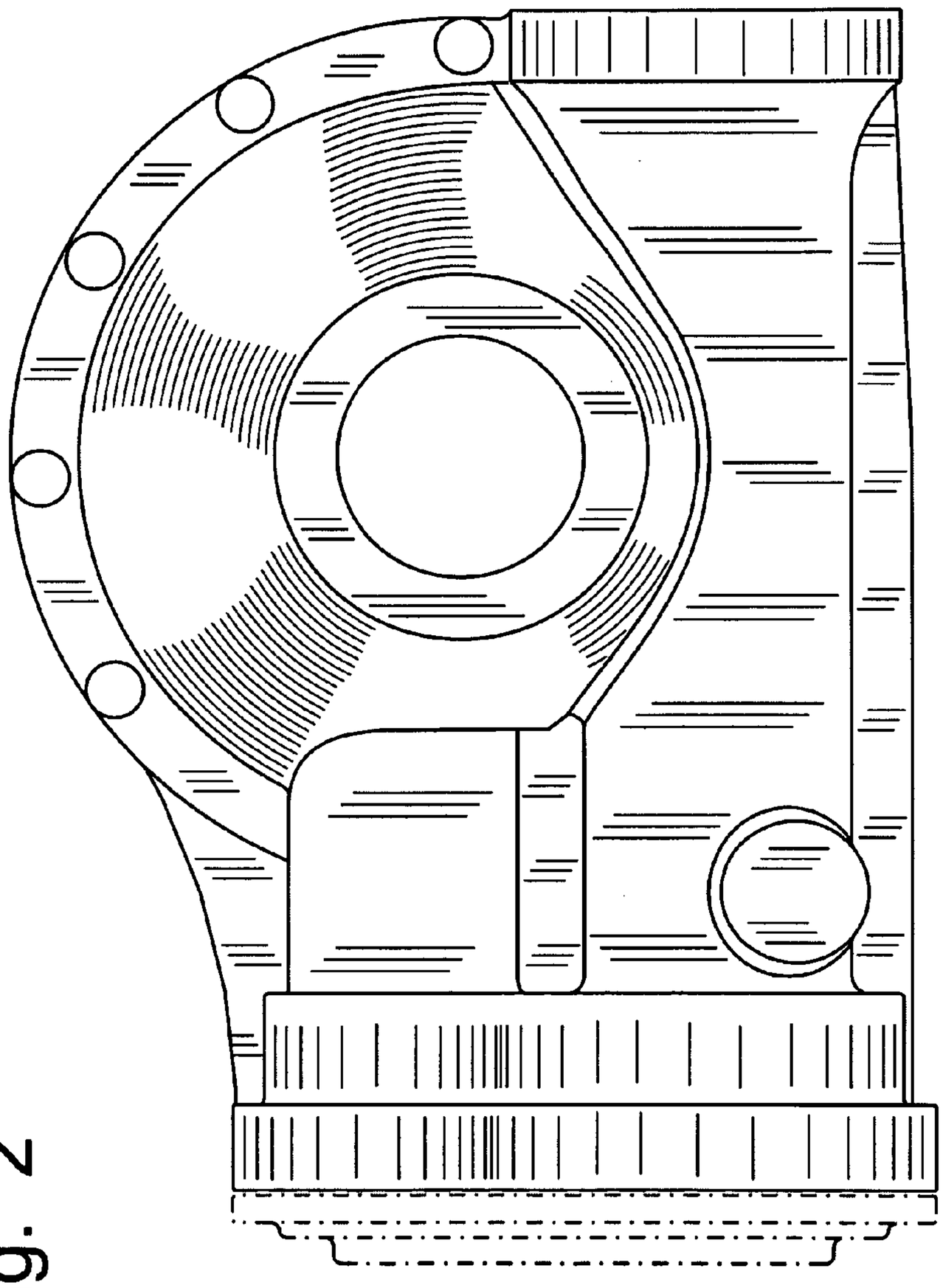


Fig. 2

Fig. 3

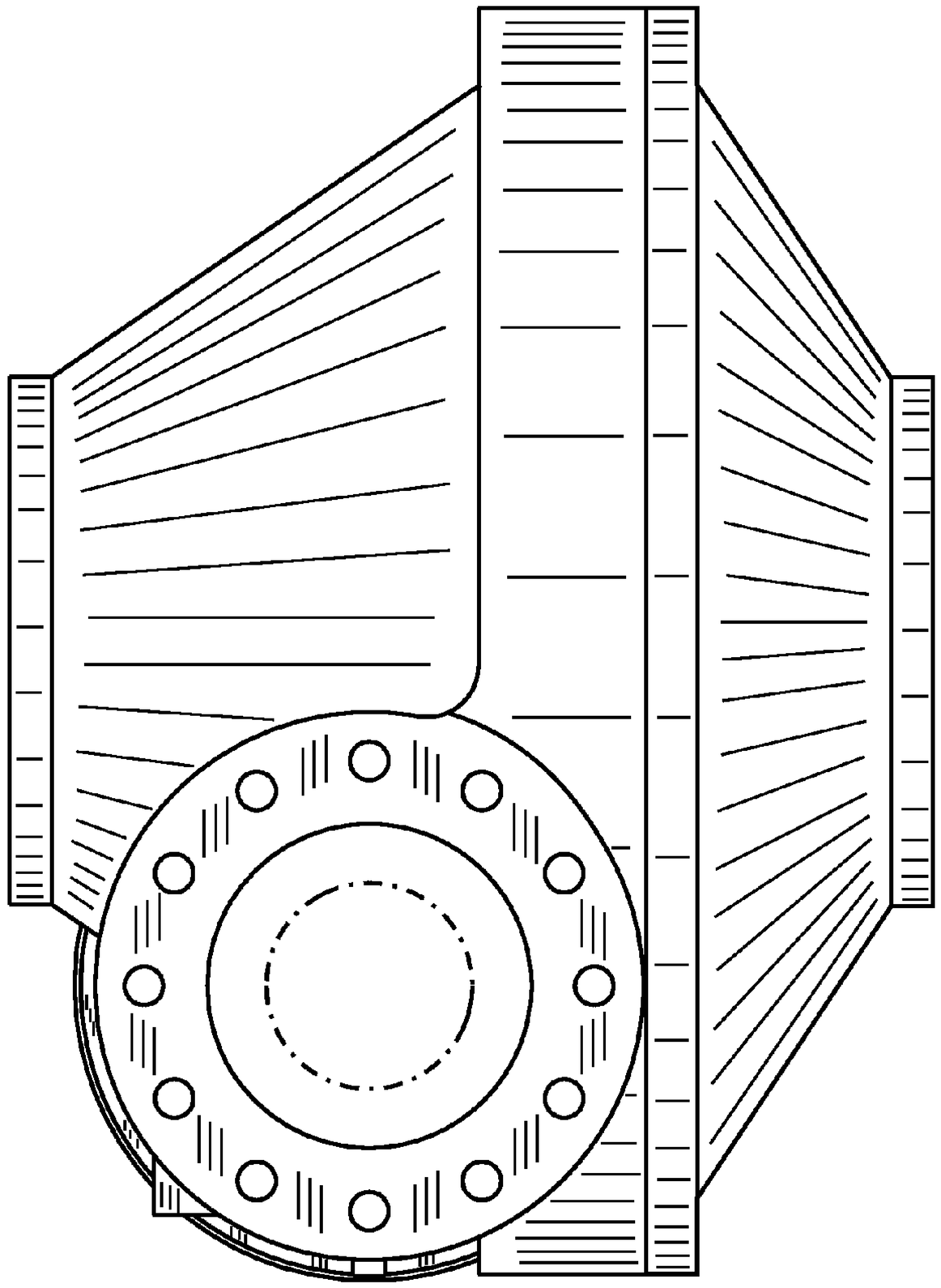
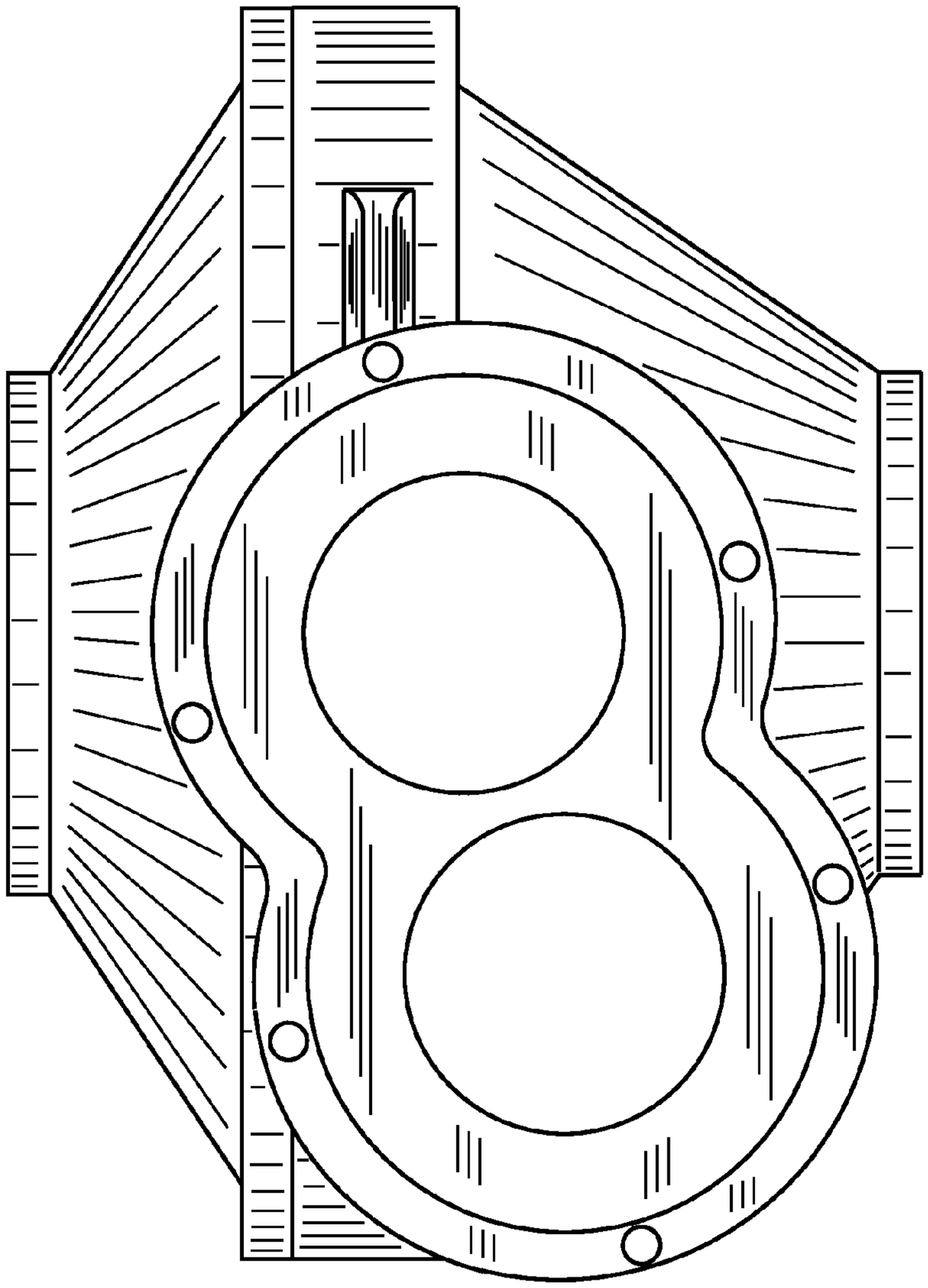


Fig. 4



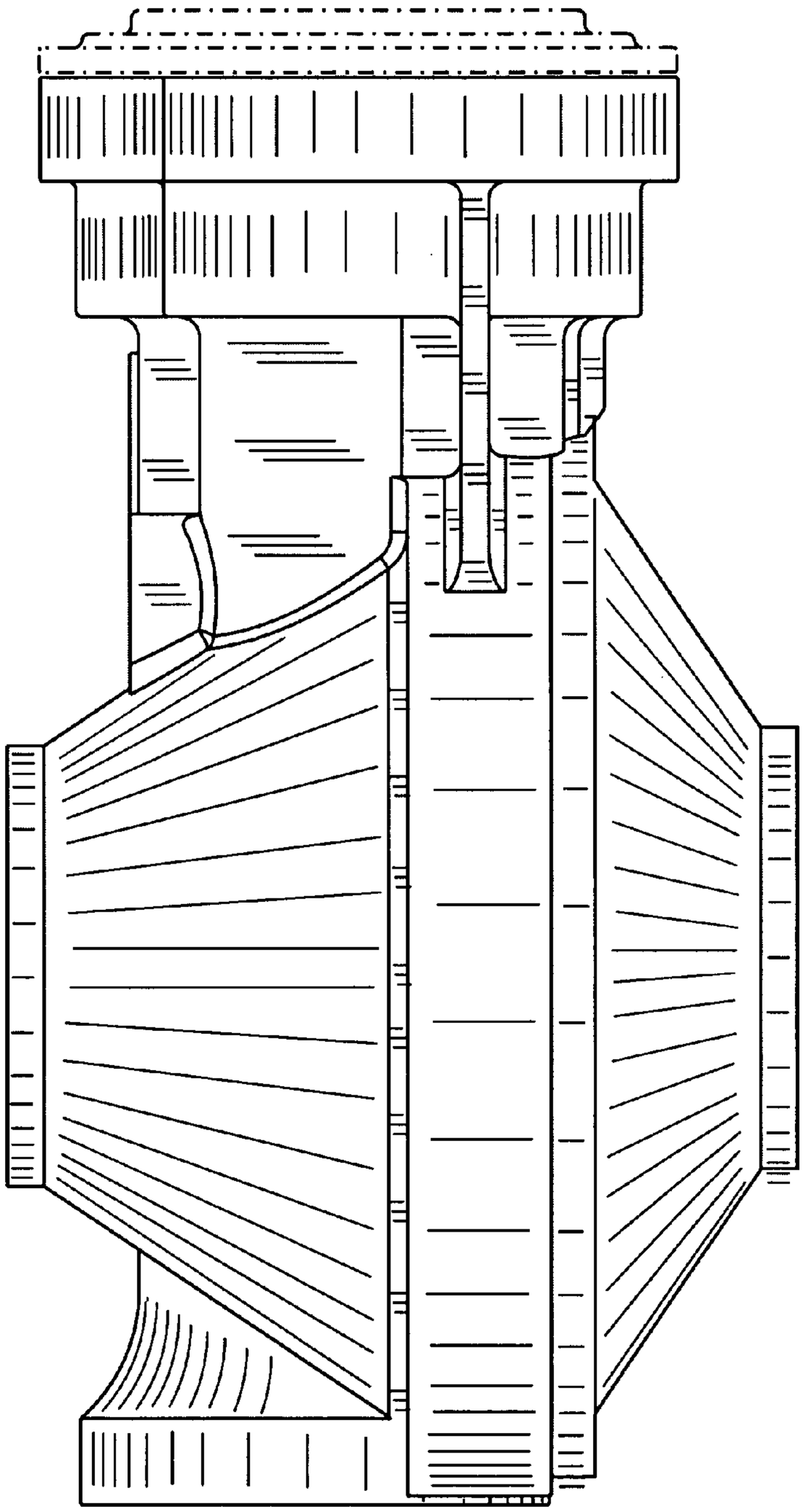


Fig. 5

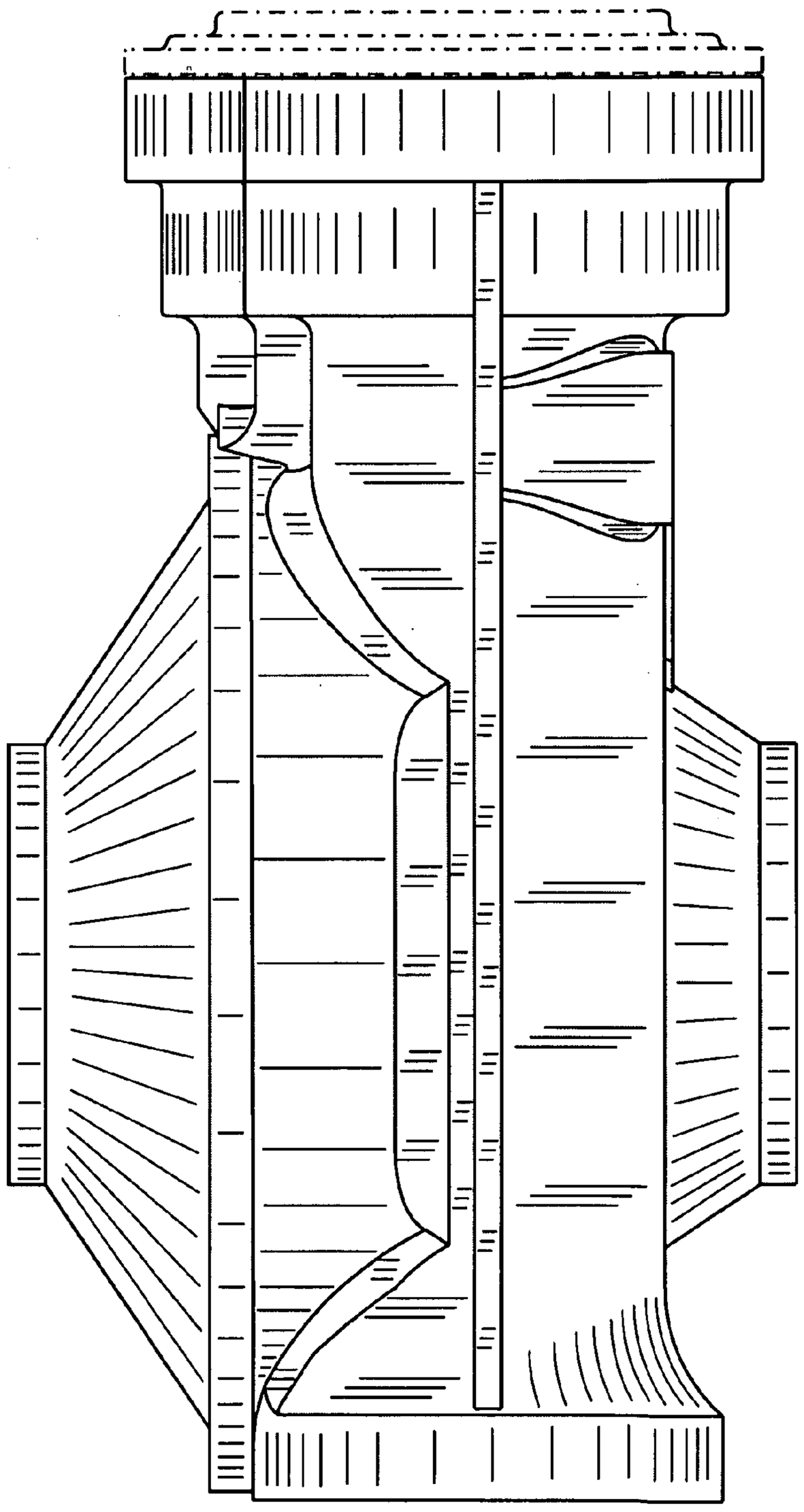


Fig. 6

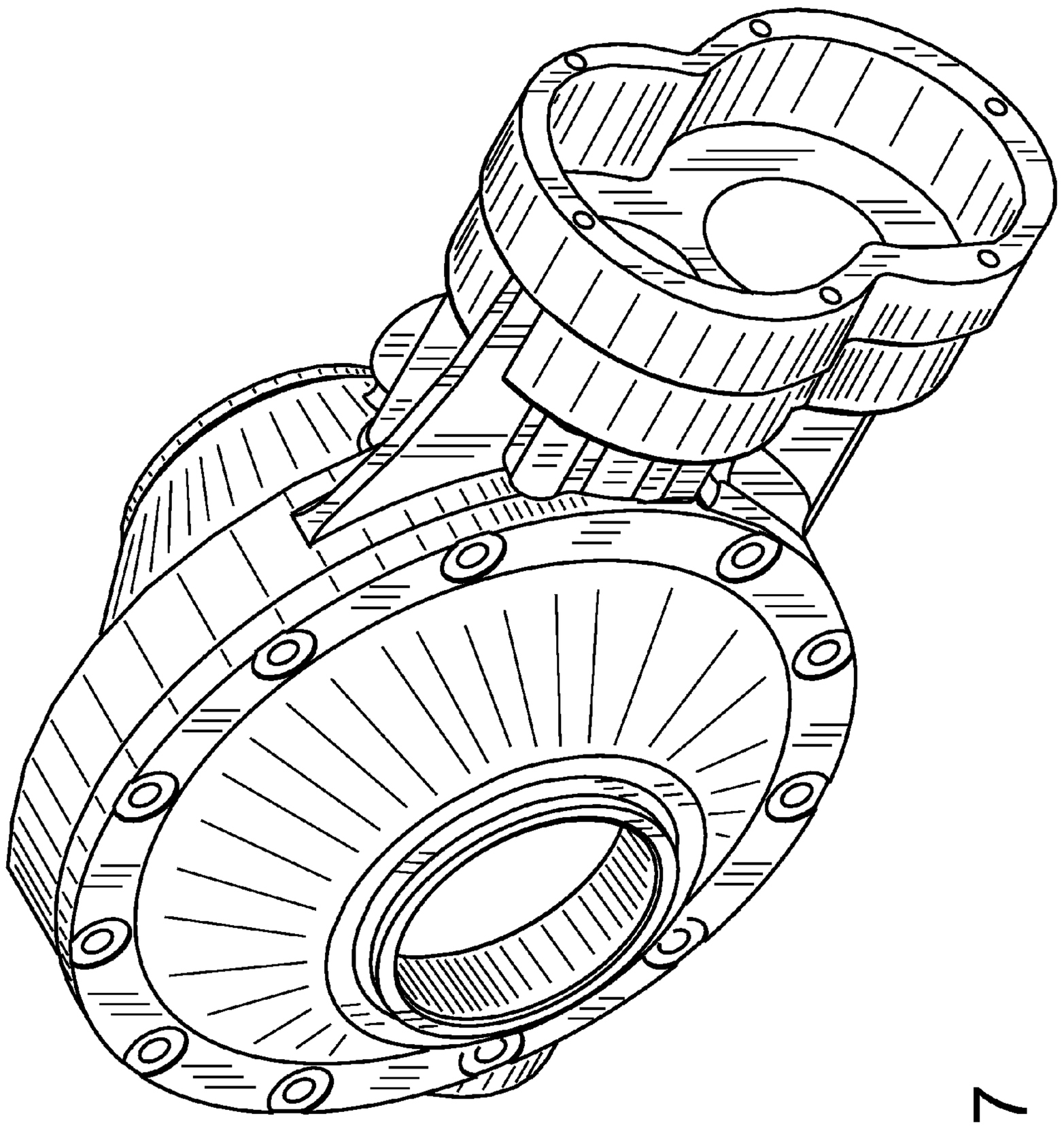


Fig. 7

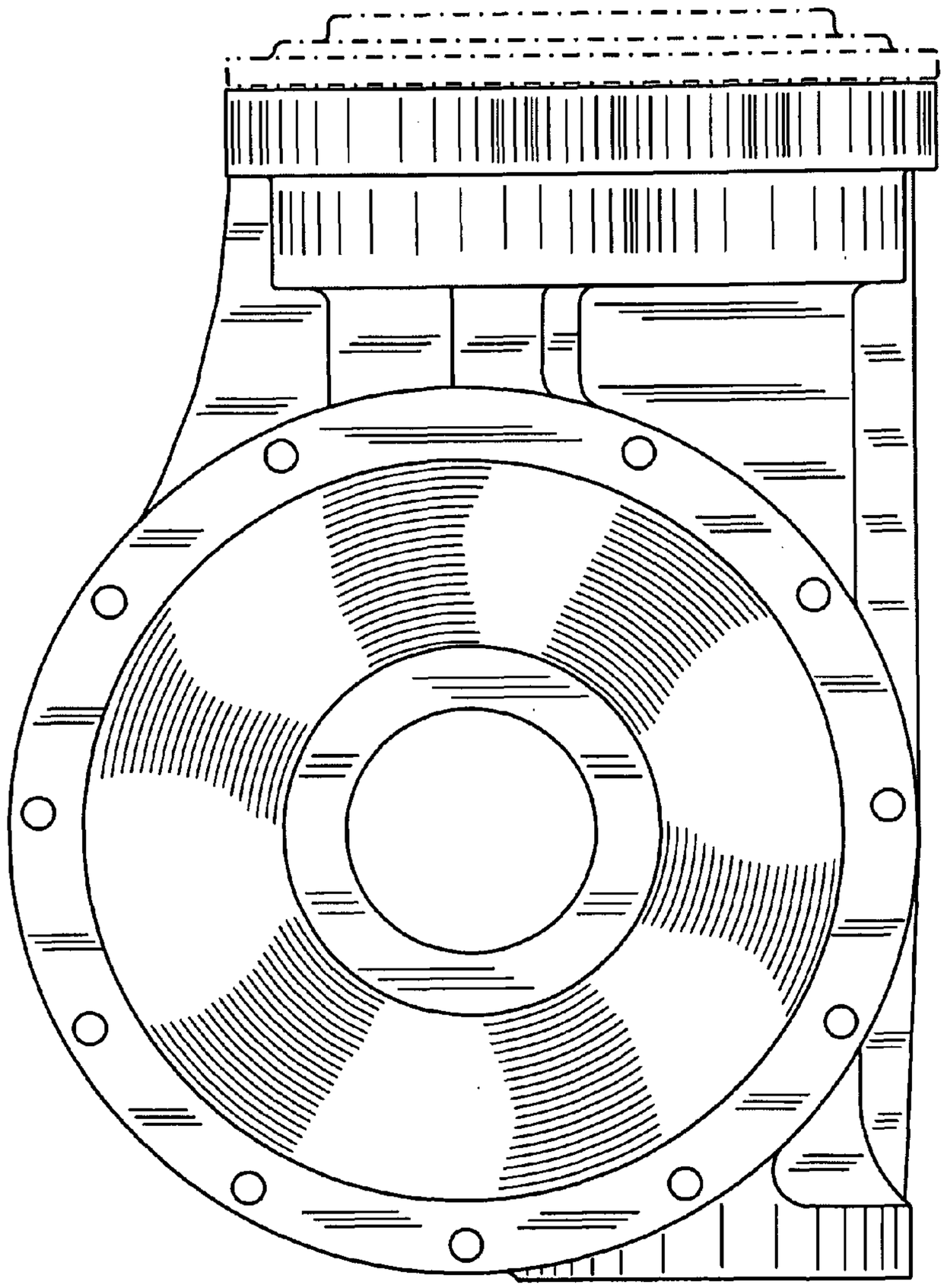


Fig. 8

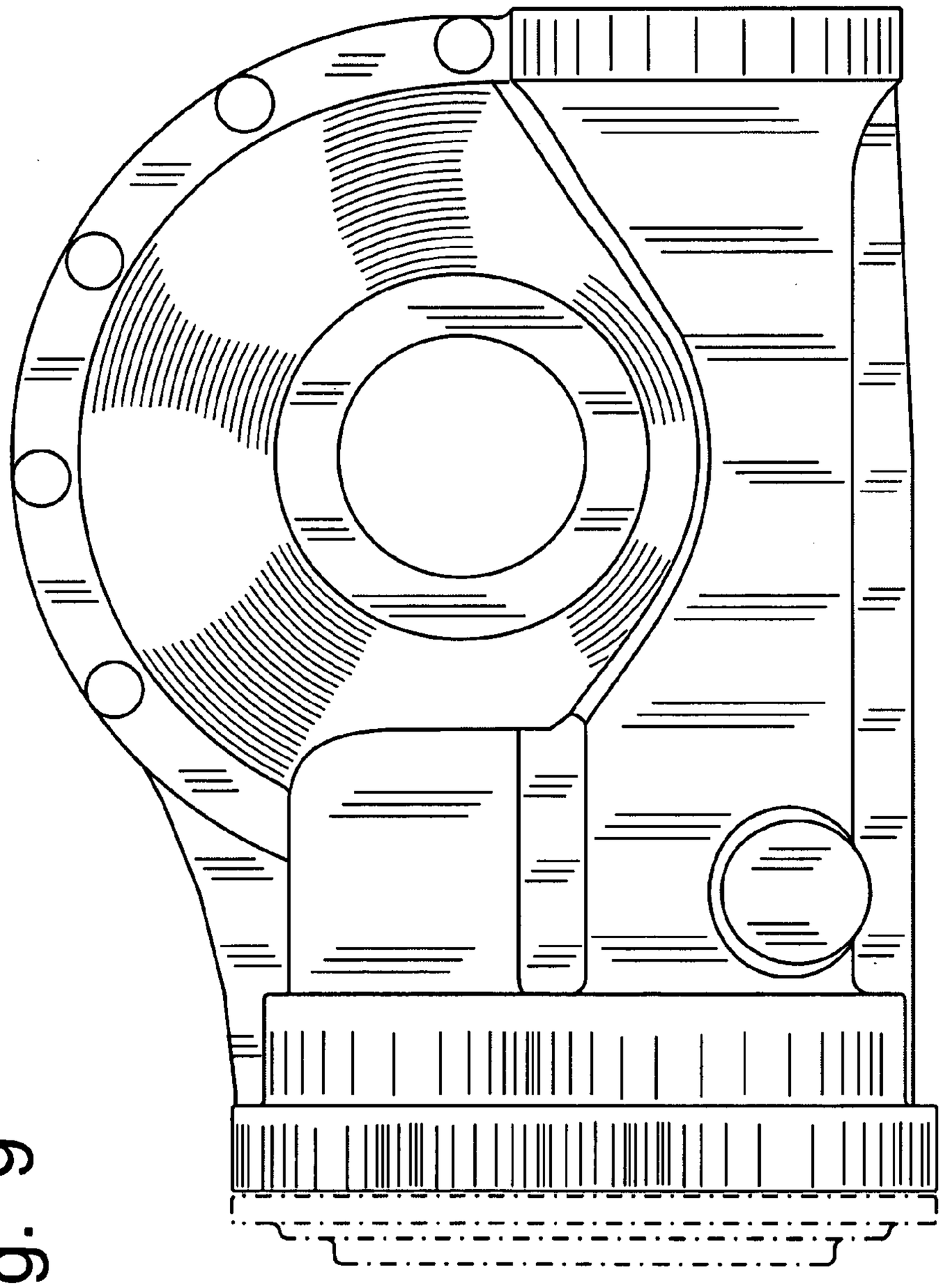


Fig. 9

Fig. 10

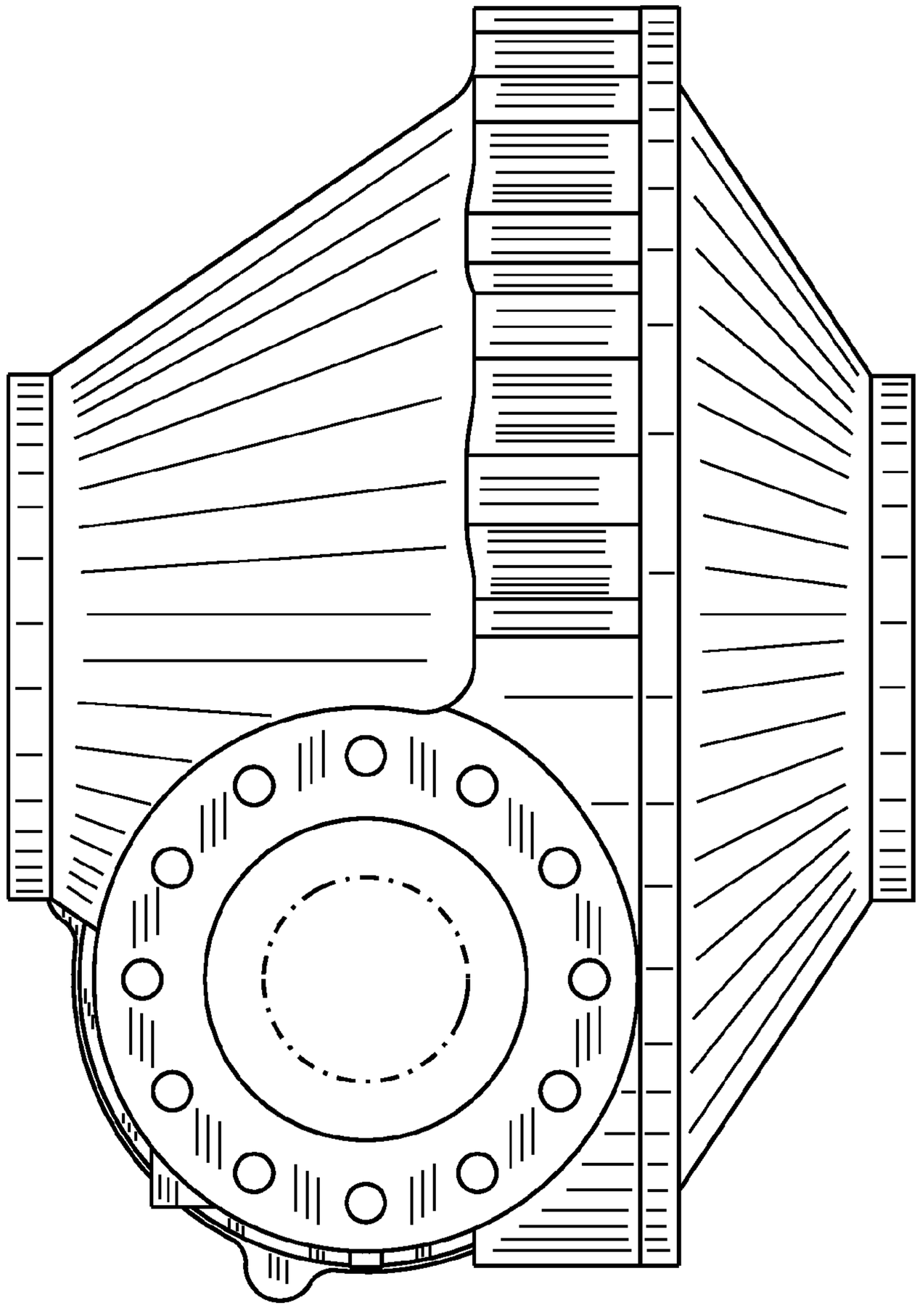
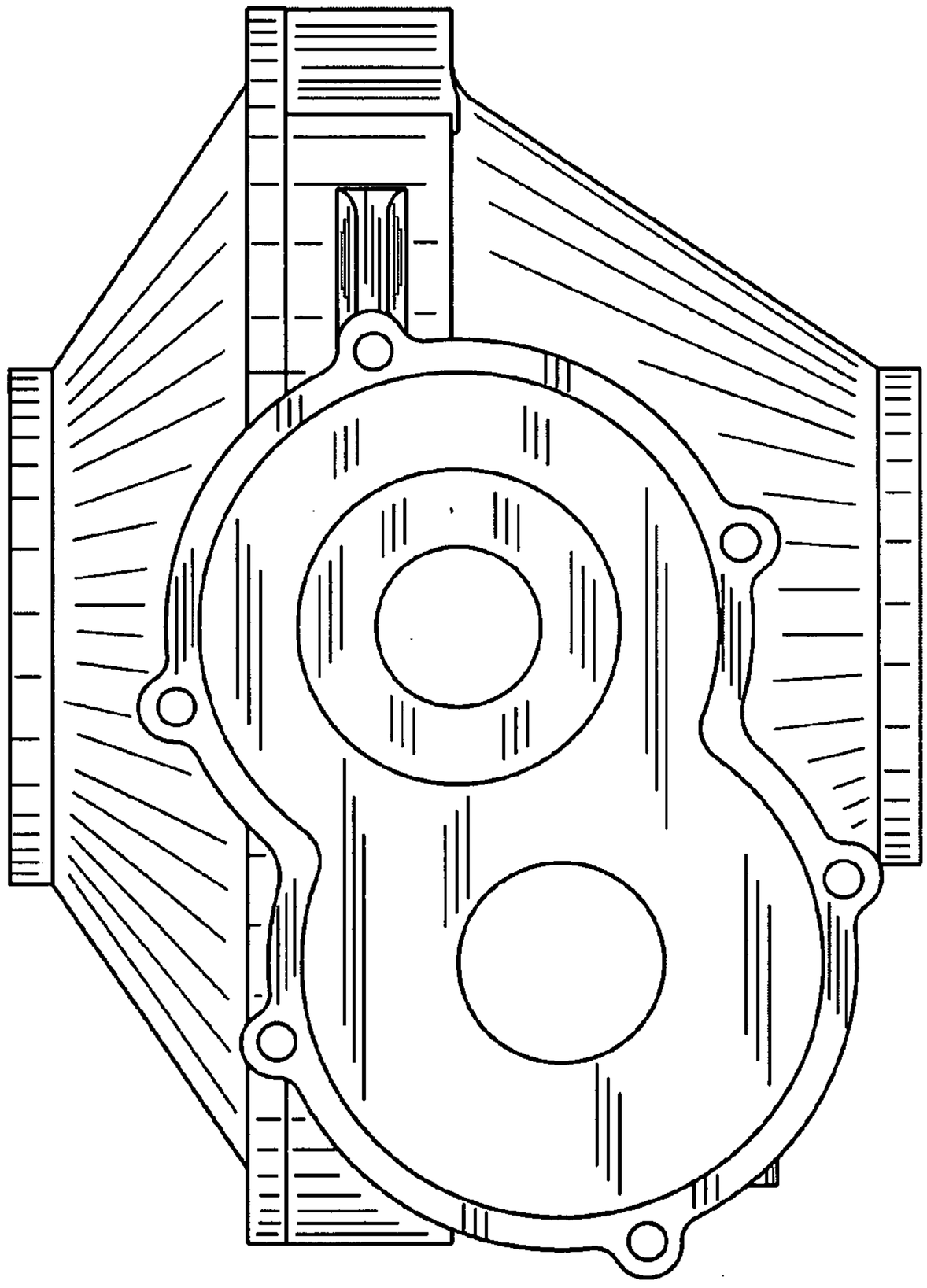


Fig. 11



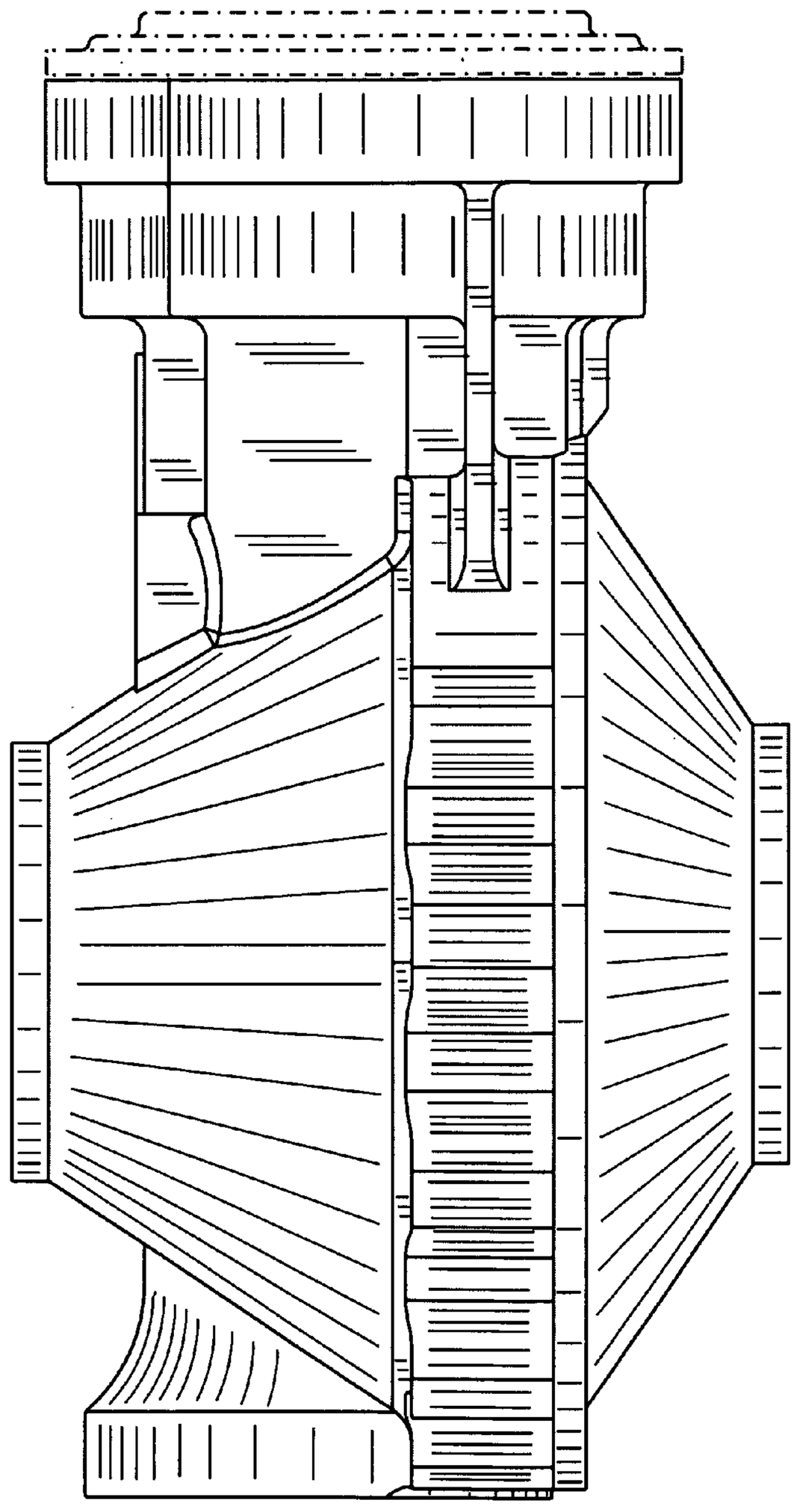


Fig. 12

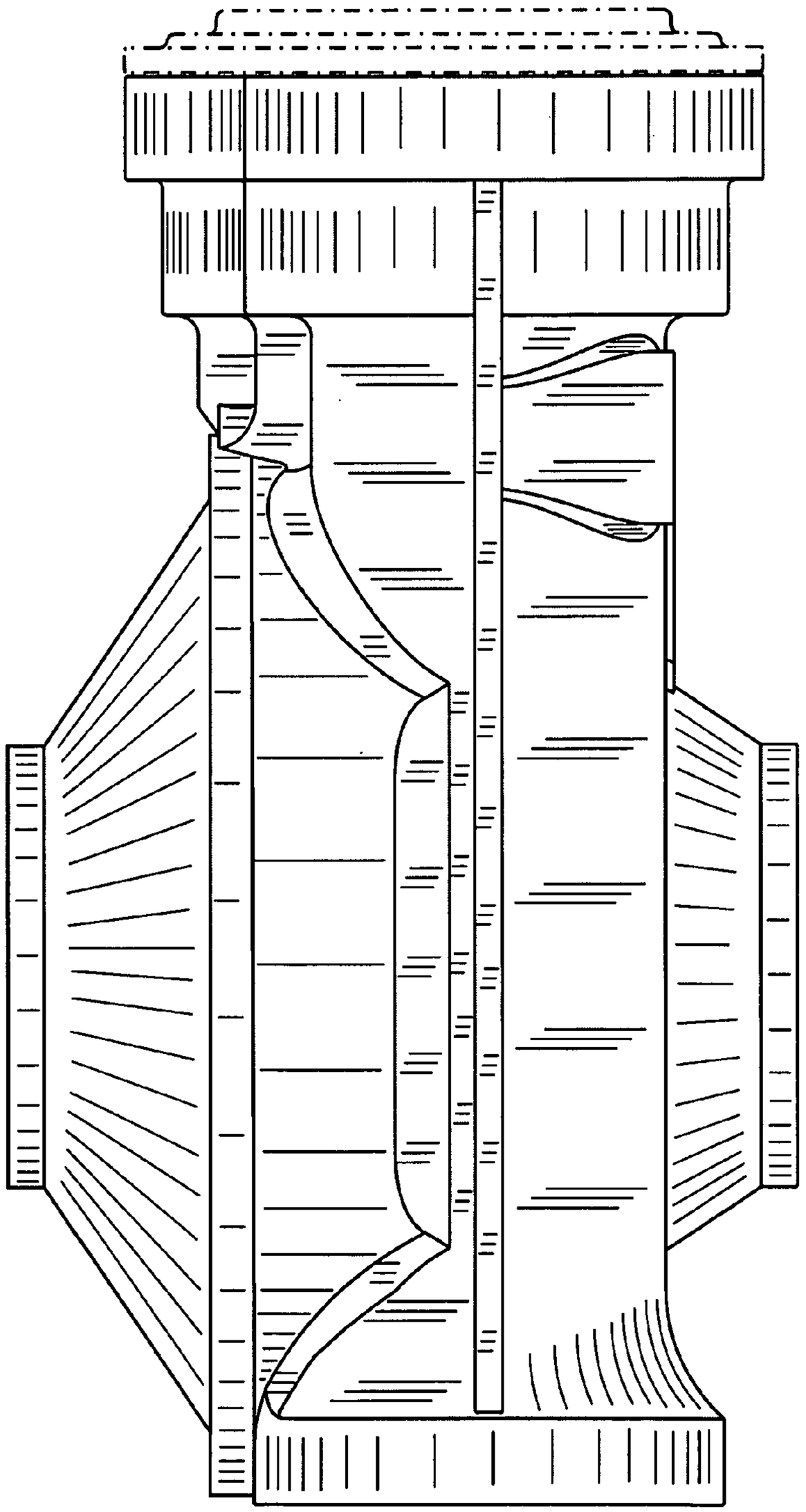


Fig. 13

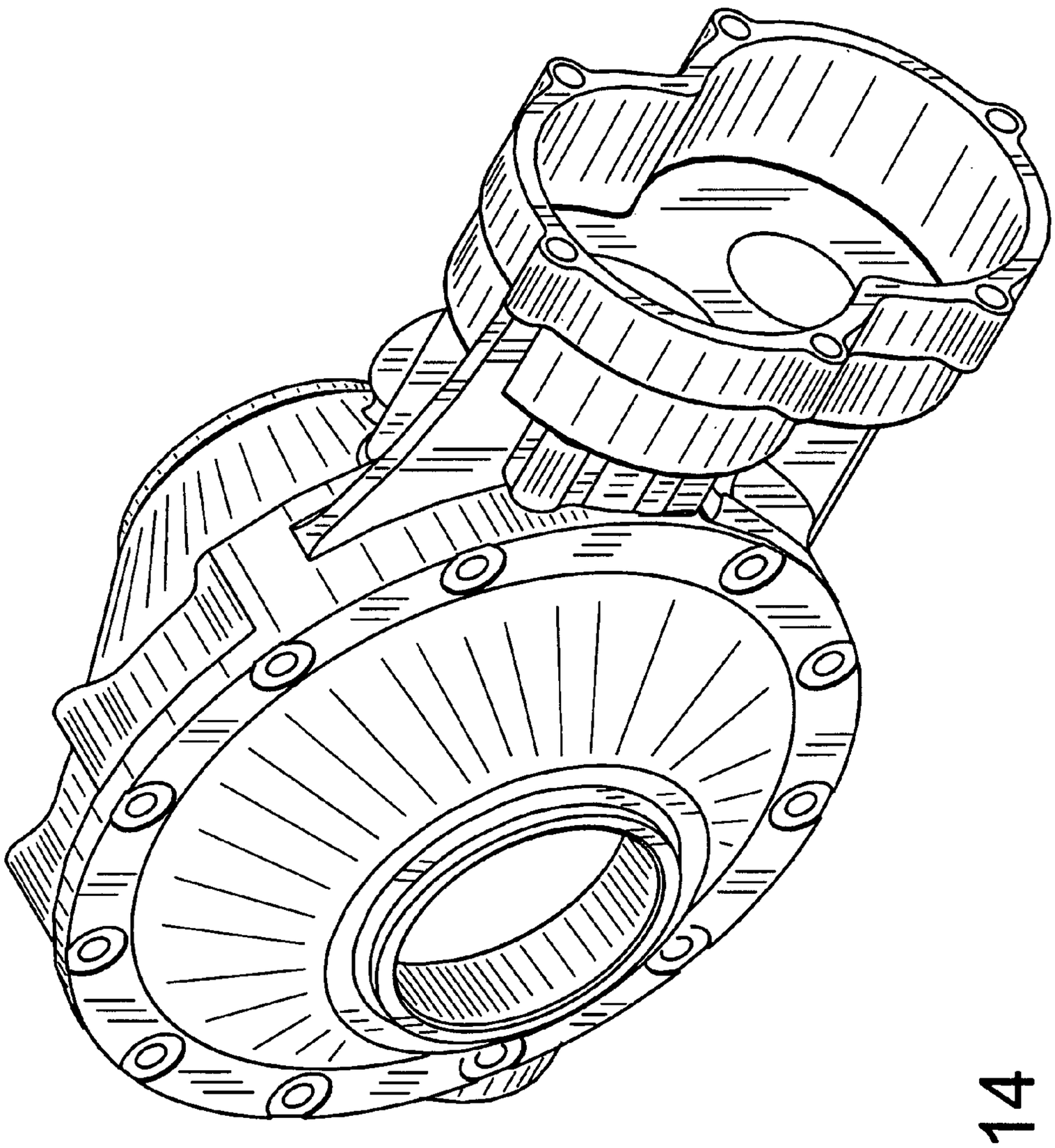


Fig. 14