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(12) **United States Design Patent** (10) **Patent No.:** **US D791,841 S**
Obuchi et al. (45) **Date of Patent:** **** Jul. 11, 2017**

(54) **IMPELLER FOR PUMPS**

(56) **References Cited**

(71) Applicant: **EBARA CORPORATION**, Tokyo (JP)

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(72) Inventors: **Masashi Obuchi**, Tokyo (JP); **So Kuroiwa**, Tokyo (JP); **Dai Sakihama**, Tokyo (JP); **Renato Groppo**, Cles (IT); **Fabio Balbo**, Cles (IT); **Mariano Matteazzi**, Cles (IT); **Lucio Cardillo**, Rome (IT); **Alessandro Corsini**, Rome (IT); **Giovanni Delibra**, Rome (IT); **Franco Rispoli**, Rome (IT)

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(73) Assignee: **EBARA CORPORATION**, Tokyo (JP)

(**) Term: **15 Years**

Primary Examiner — Ralf Seifert

(21) Appl. No.: **29/583,243**

(74) *Attorney, Agent, or Firm* — Pearne & Gordon LLP

(22) Filed: **Nov. 3, 2016**

(57) **CLAIM**

Related U.S. Application Data

The ornamental design for an impeller for pumps, as shown and described.

(62) Division of application No. 29/525,928, filed on May 5, 2015, now Pat. No. Des. 776,166.

(30) **Foreign Application Priority Data**

DESCRIPTION

Nov. 7, 2014 (JP) 2014-24921
Nov. 7, 2014 (JP) 2014-24922
Nov. 7, 2014 (JP) 2014-24923

(51) **LOC (10) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

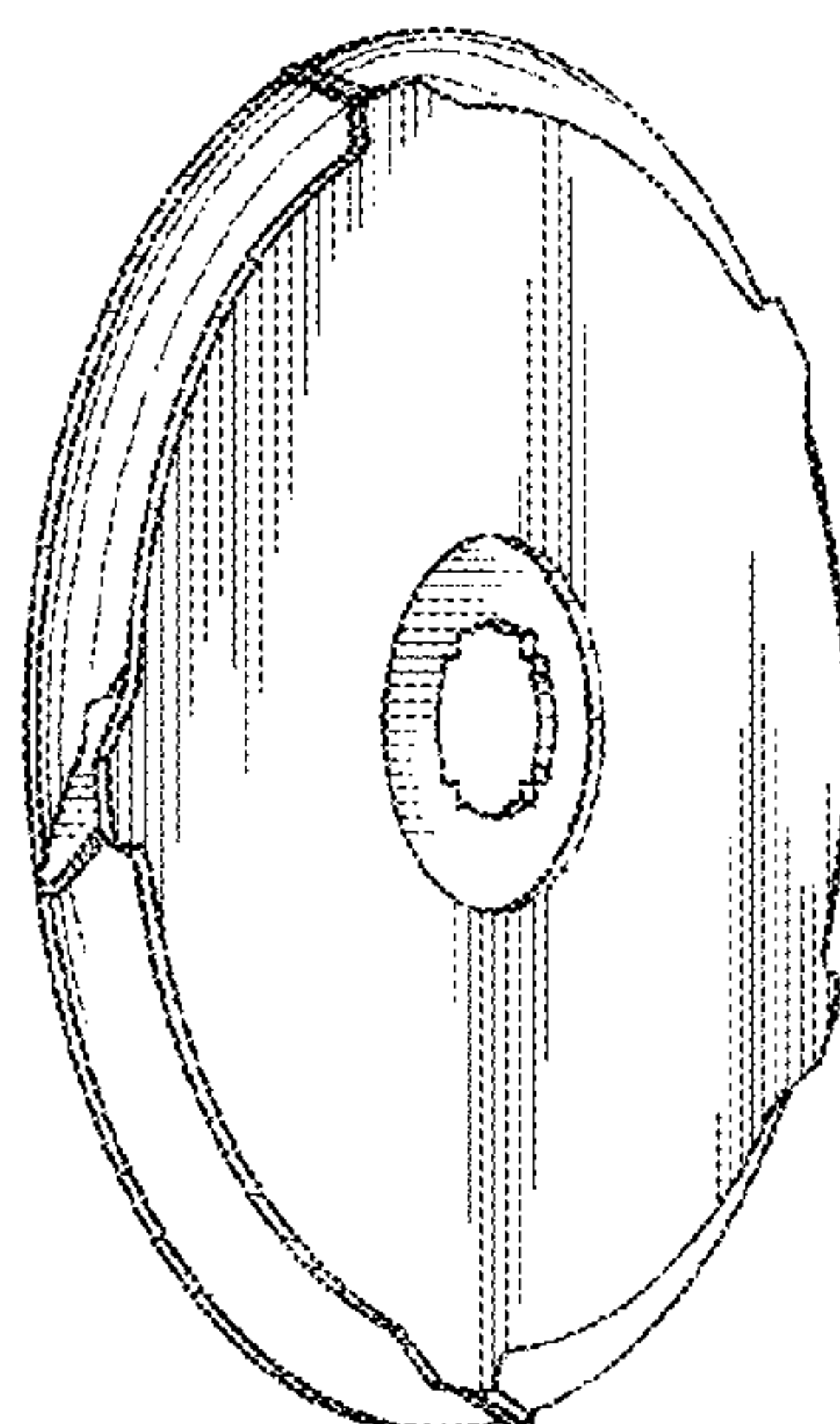
(58) **Field of Classification Search**

USPC D15/7-9, 28; D23/231, 232, 225, 379,
D23/411; 417/60, 235, 265, 321, 355,
417/358, 363, 359, 410.1, 415-416, 405,
417/900; 60/408, 412; 184/26-37;
415/140-147; 416/180, 183; 29/889.23
CPC F02M 37/04; F02M 37/14; F04D 7/04;
F04D 29/284; B21K 25/00; B23P 15/04

See application file for complete search history.

FIG. 1 is a perspective view of a first impeller for pumps showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a top view thereof;
FIG. 5 is a bottom view thereof;
FIG. 6 is a left side view thereof;
FIG. 7 is a right side view thereof;
FIG. 8 is a cross-section view taken along the line 8-8 of FIG. 7 thereof; and,
FIG. 9 is a cross-section view taken along the line 9-9 of FIG. 2 thereof.
The particular cross-hatching patterns in FIGS. 8 and 9 do not represent any particular materials.

1 Claim, 3 Drawing Sheets



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FIG. 1

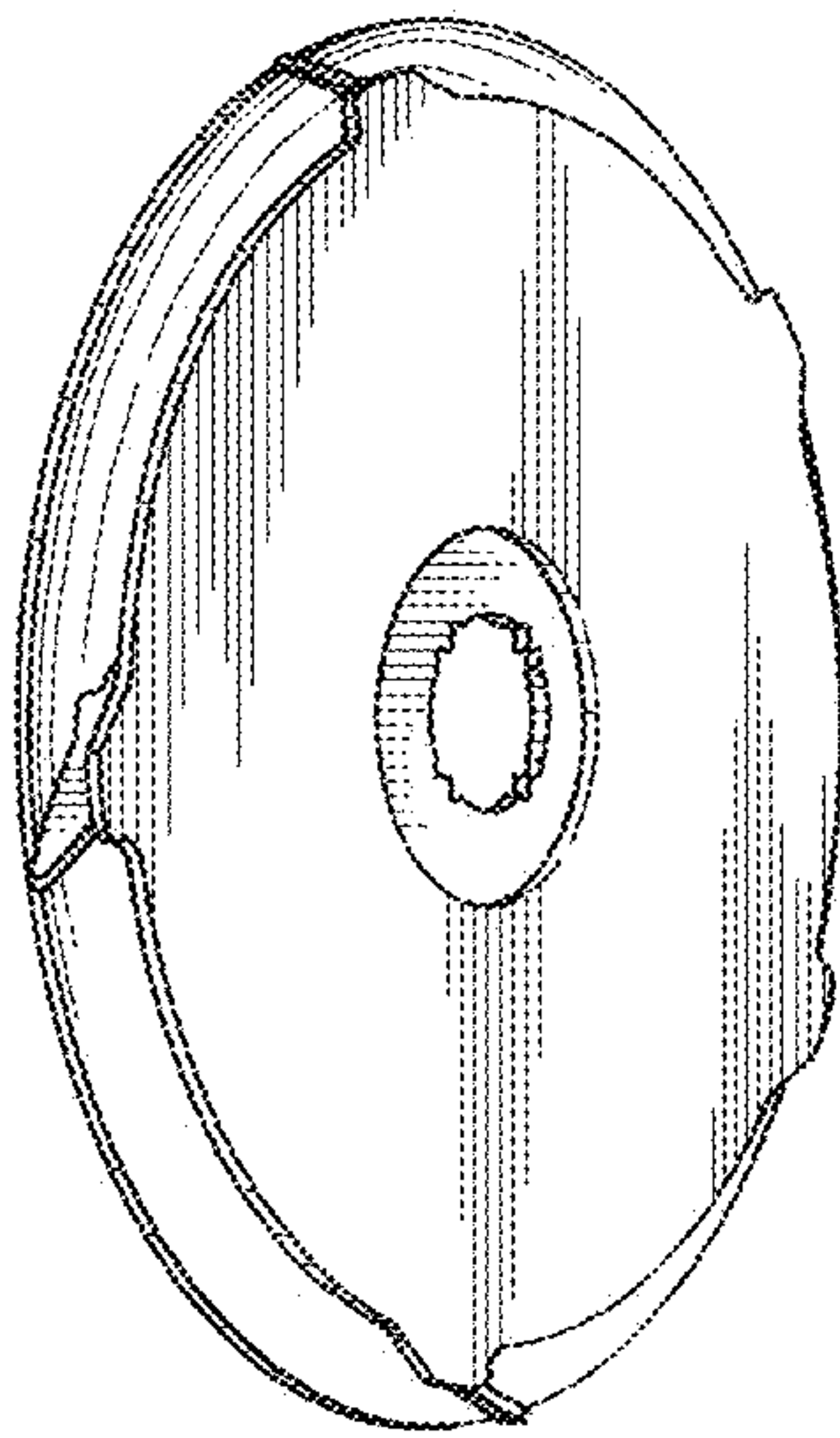


FIG. 2

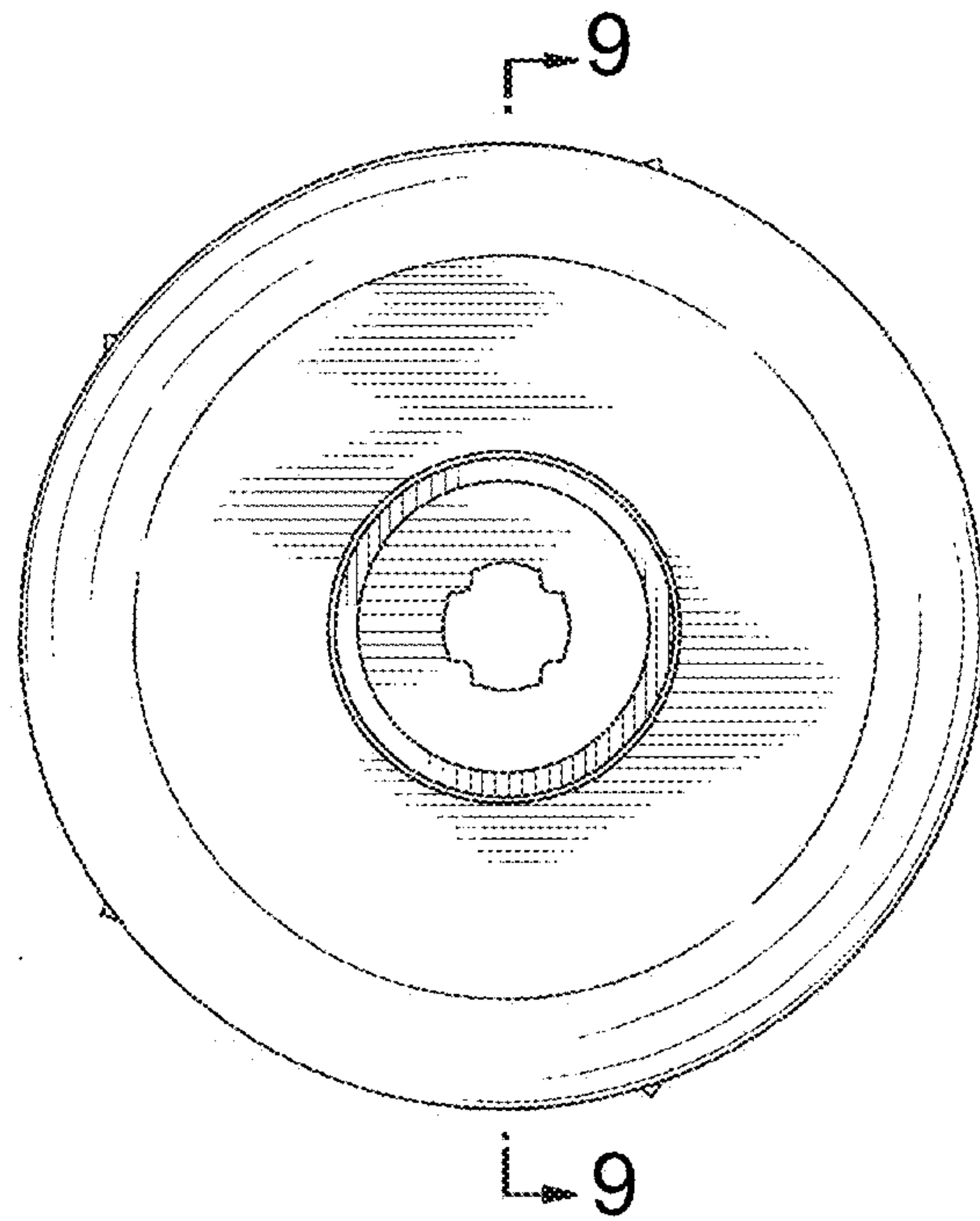


FIG. 3

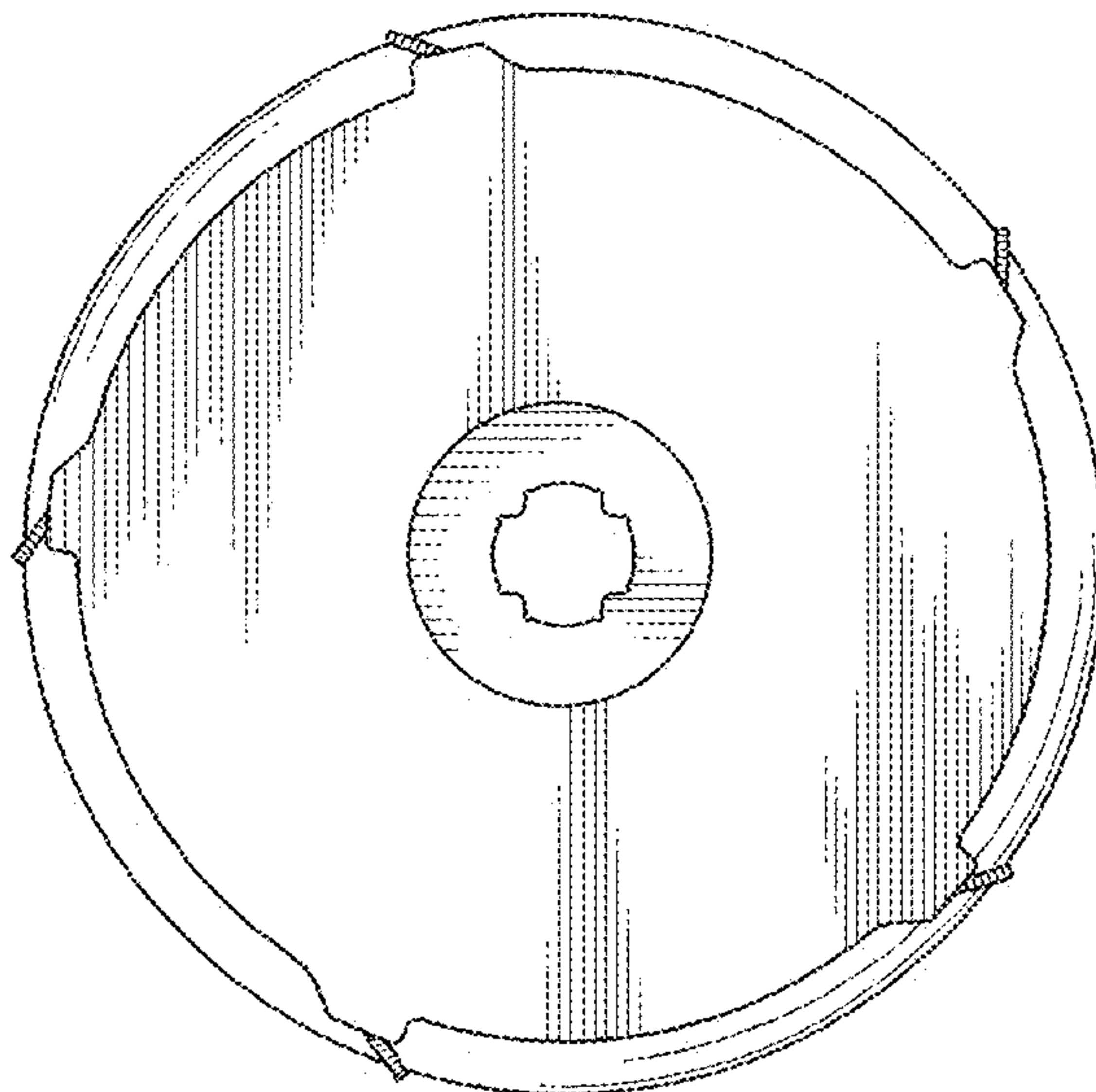


FIG. 4

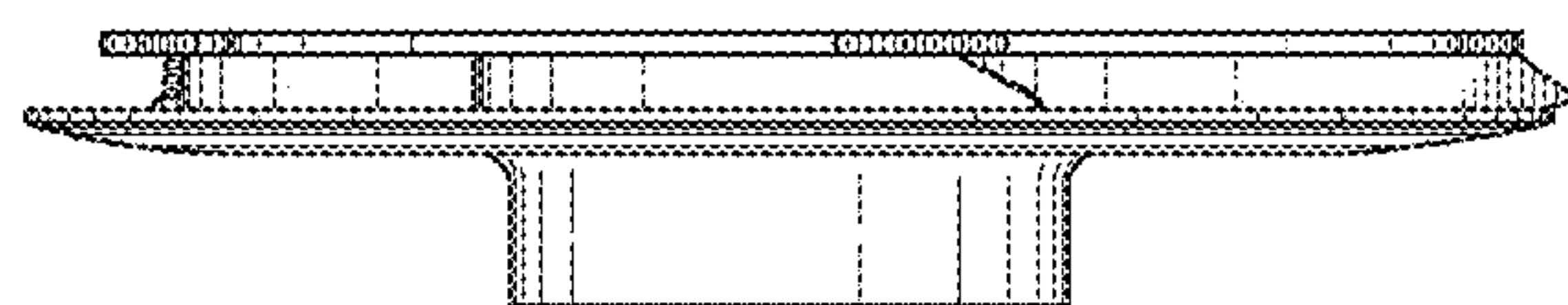


FIG. 5

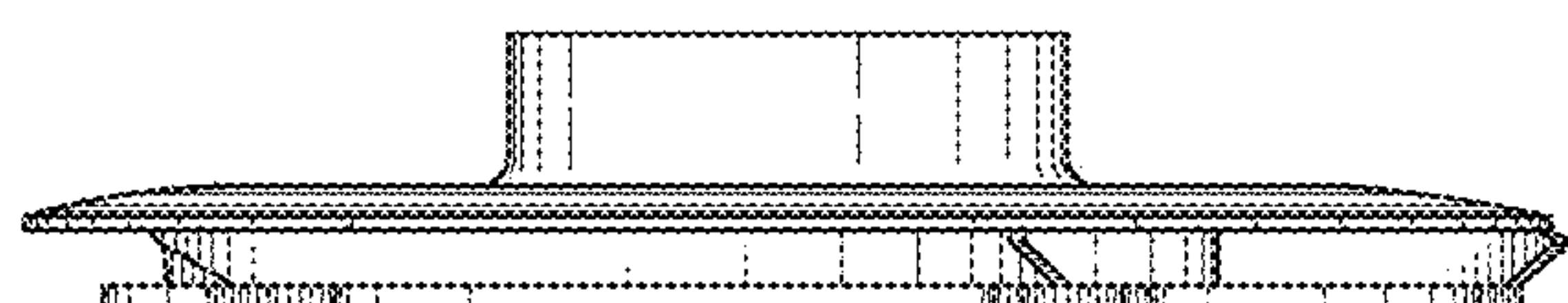


FIG. 6

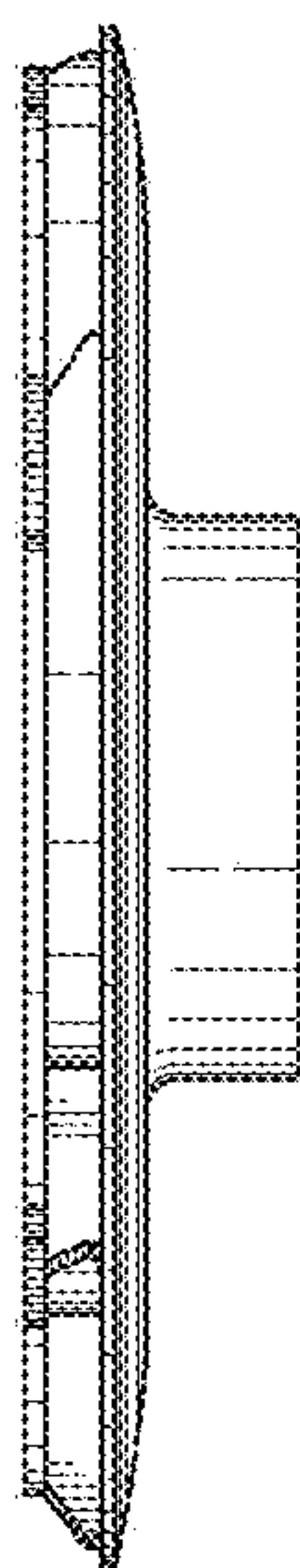


FIG. 7

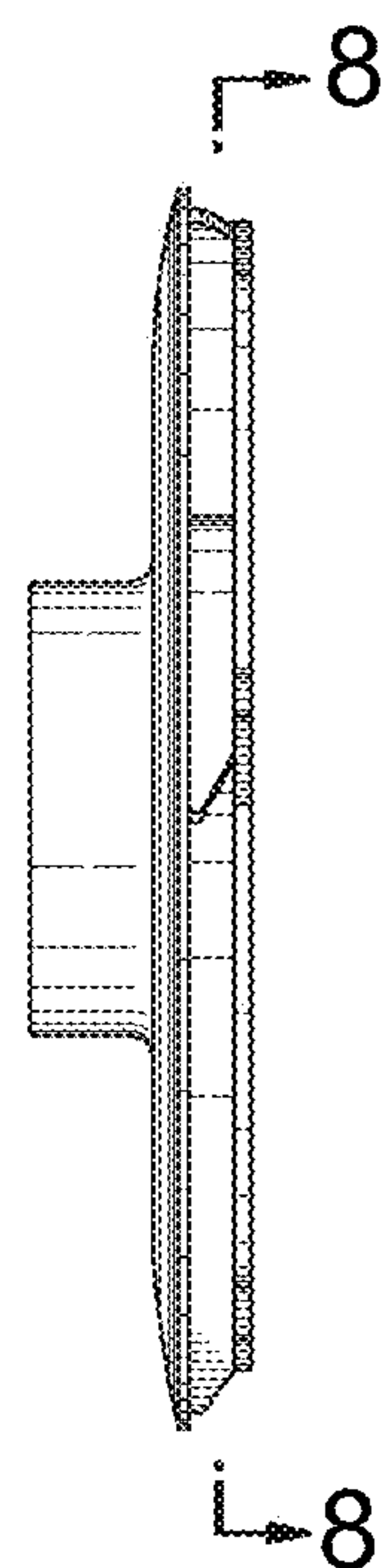


FIG. 8

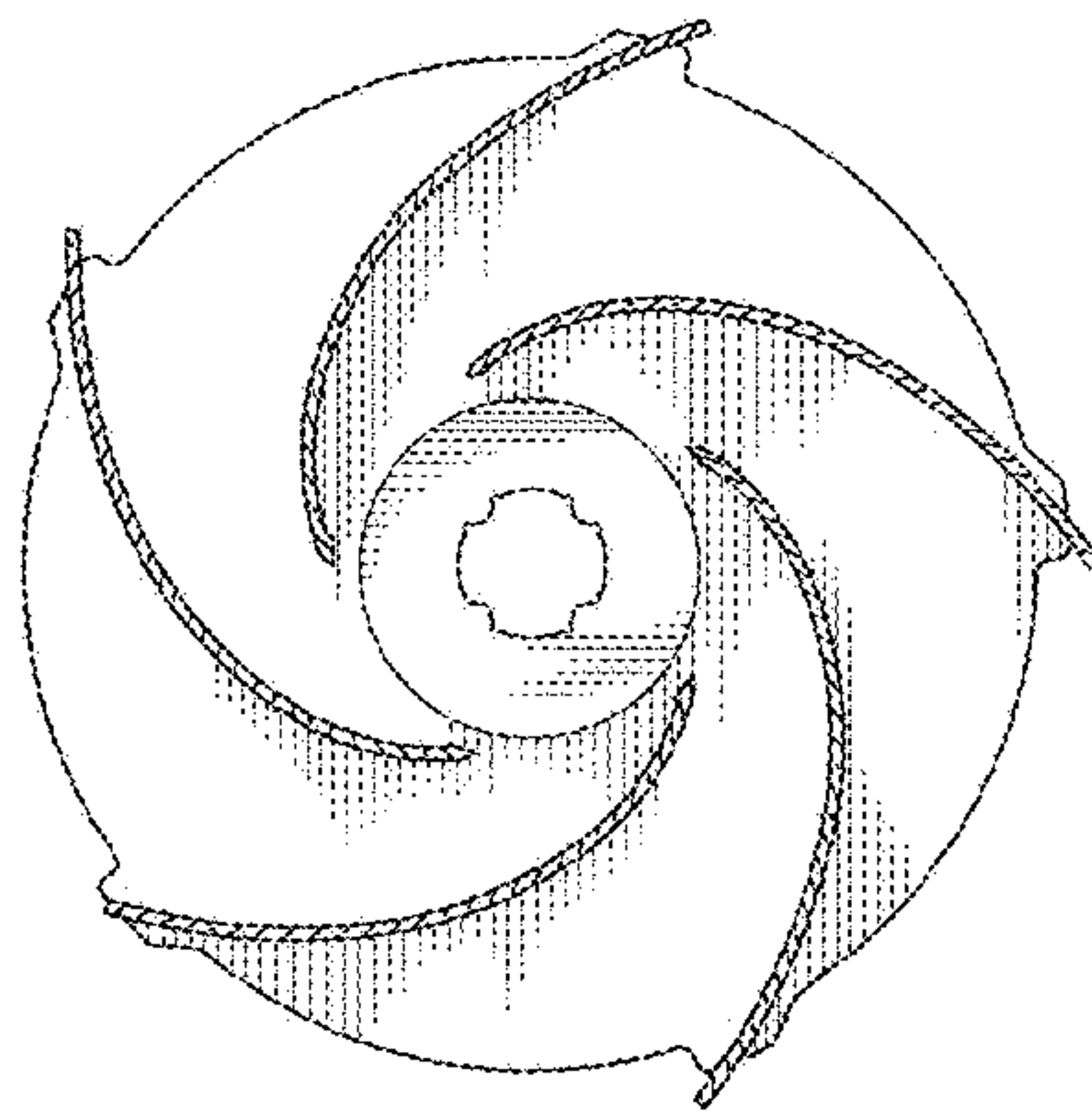


FIG. 9

