



US00D432054S

# United States Patent [19] Hanamura

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[54] BICYCLE SPROCKET UNIT

[75] Inventor: Junichi Hanamura, Nagagun, Japan

[73] Assignee: Shimano Inc., Osaka, Japan

[\*\*] Term: 14 Years

[21] Appl. No.: 29/083,238

[22] Filed: Feb. 6, 1998

[51] LOC (7) Cl. .... 12-11

[52] U.S. Cl. .... D12/123

[58] Field of Search ..... D12/123; D15/5;  
188/24.11-24.14; 474/152, 155-158, 160-162,  
164

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Primary Examiner—Alan P. Douglas  
Assistant Examiner—Linda Brooks  
Attorney, Agent, or Firm—Shinju Global IP Counselors, LLP

[57] **CLAIM**

The ornamental design for a bicycle sprocket unit, as shown and described herein.

**DESCRIPTION**

The drawings show a bicycle sprocket used in accordance with embodiments of my new design.

FIG. 1 is a front elevational view of a bicycle sprocket unit showing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view of FIG. 2;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof;

FIG. 8 is a front elevational view thereof, with several of the sprocket gears removed for clarity of disclosure; and,

FIG. 9 is a top perspective view thereof.

The broken line showing of environment features shown throughout the drawings are for illustrative purposes only and forms no part of the claimed design.

**1 Claim, 5 Drawing Sheets**

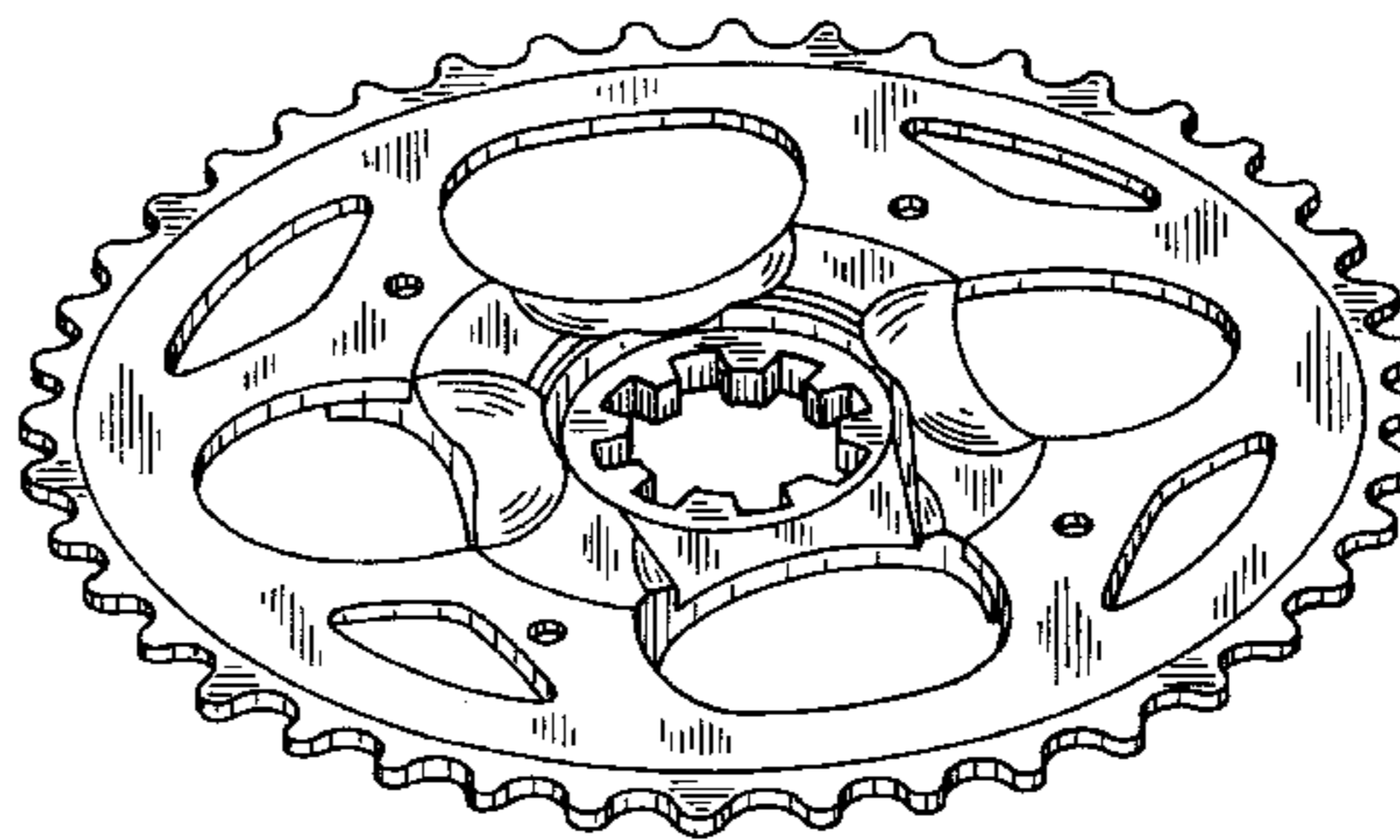
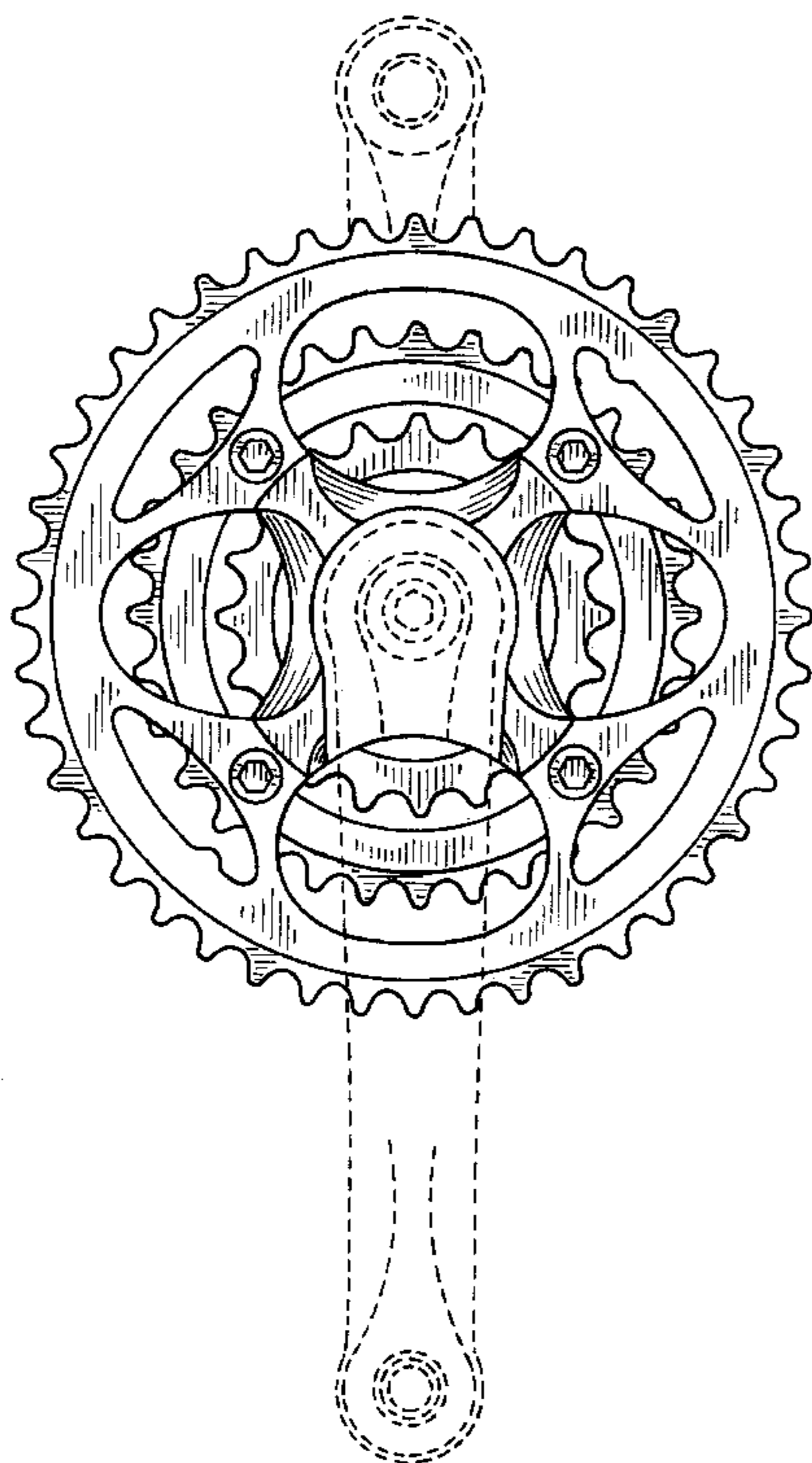


FIG. 1

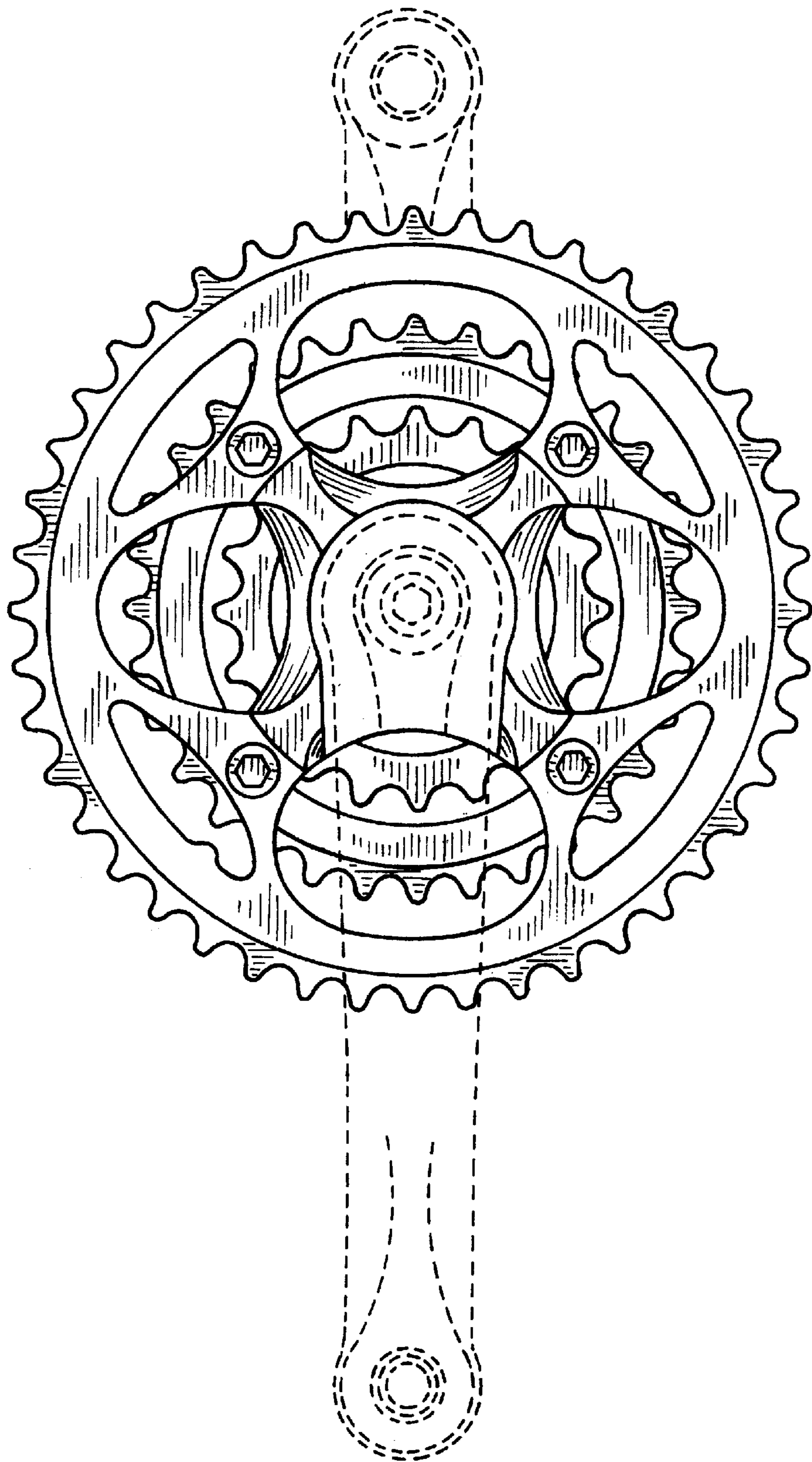


FIG. 2

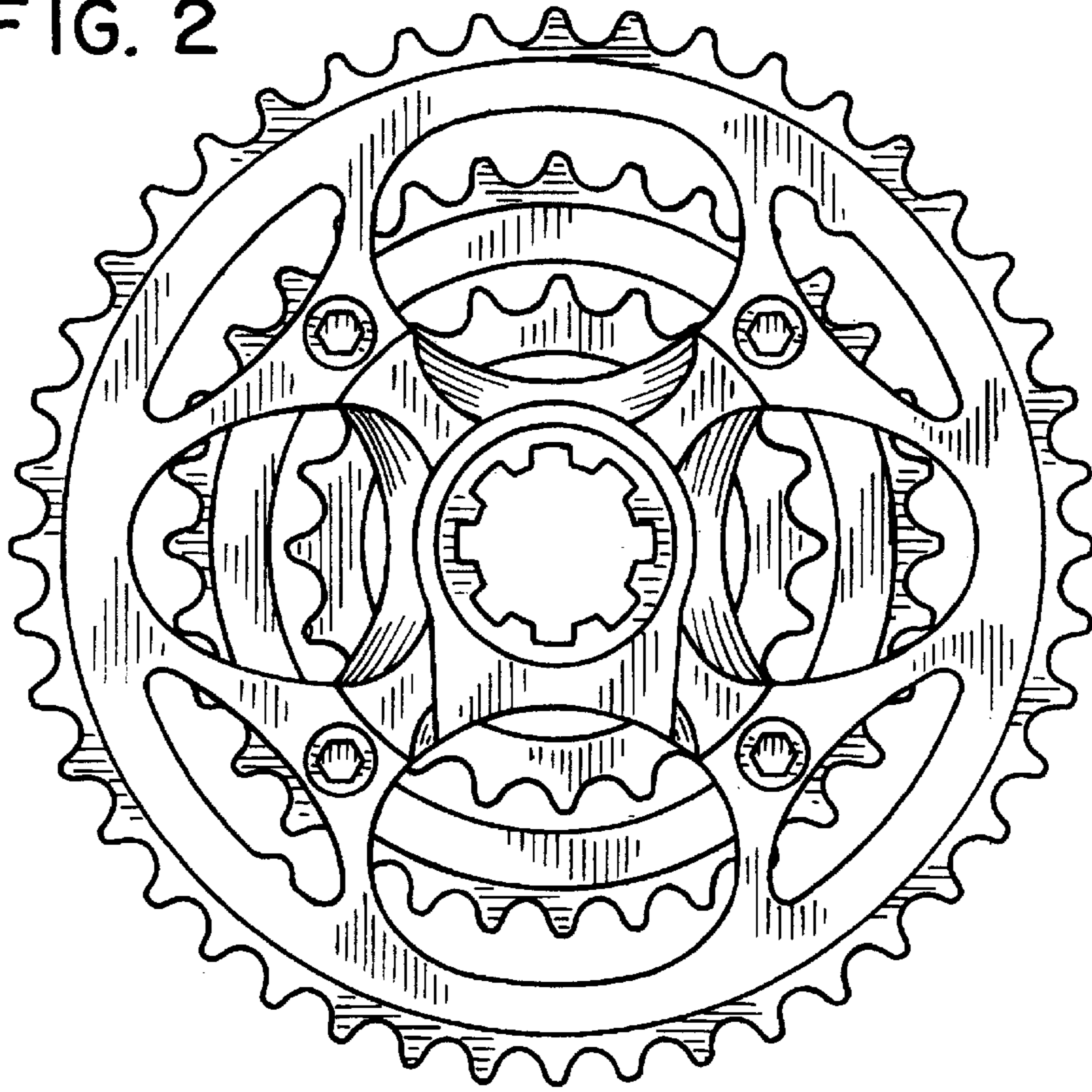


FIG. 3

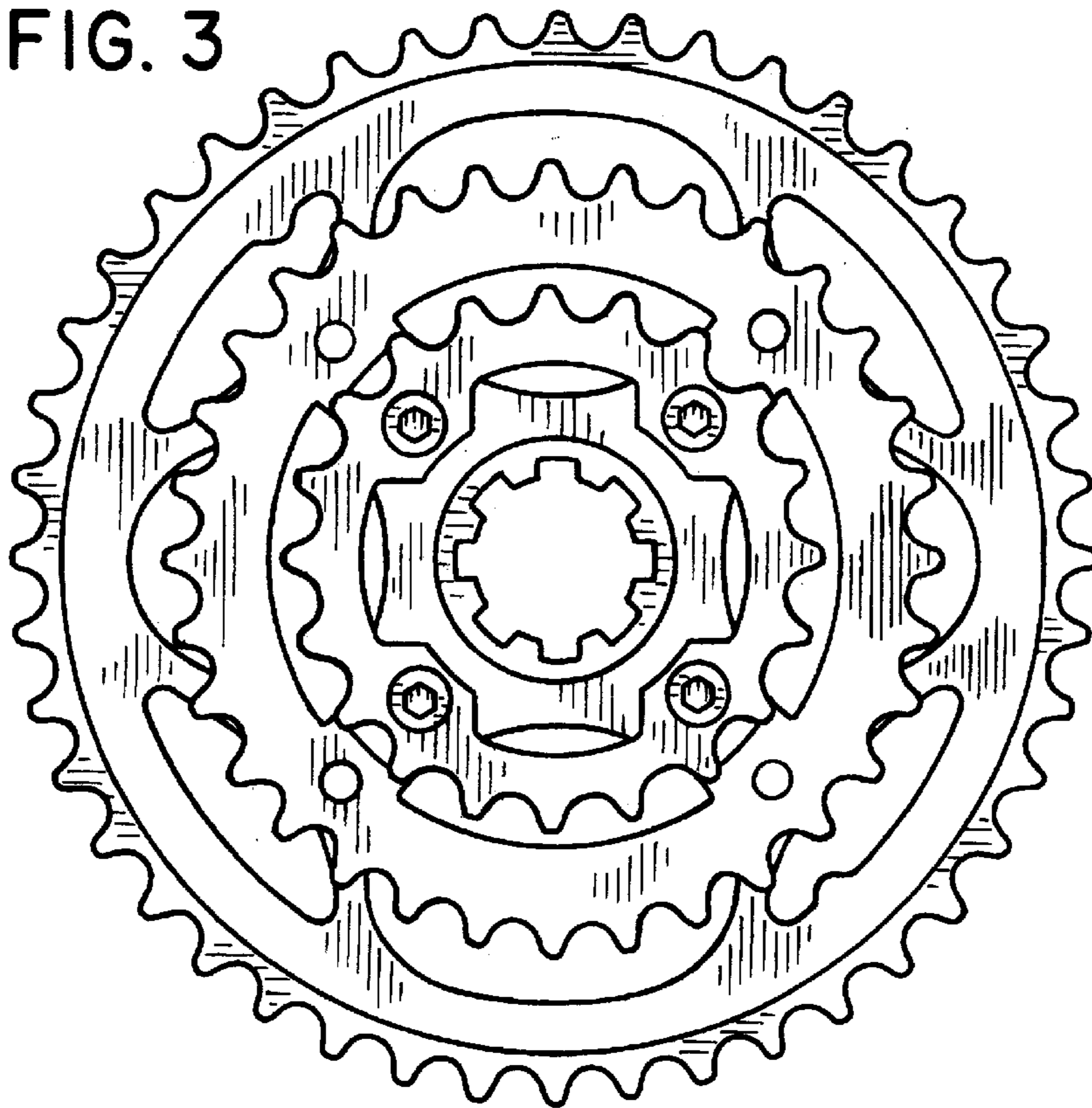


FIG. 4

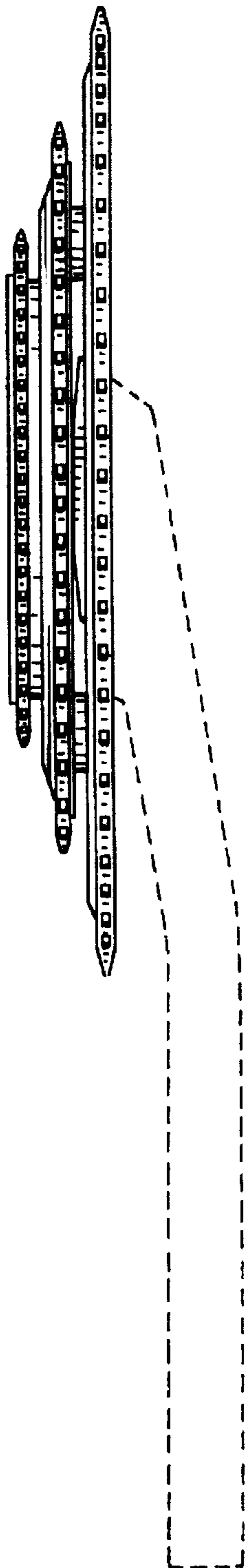


FIG. 5

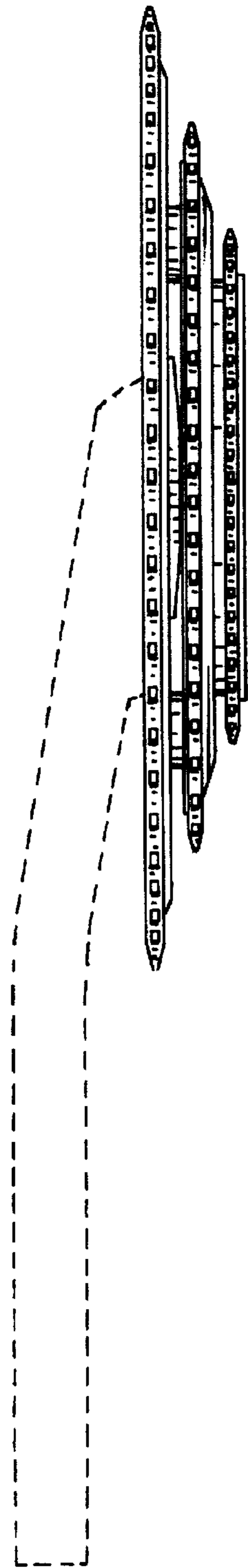


FIG. 6

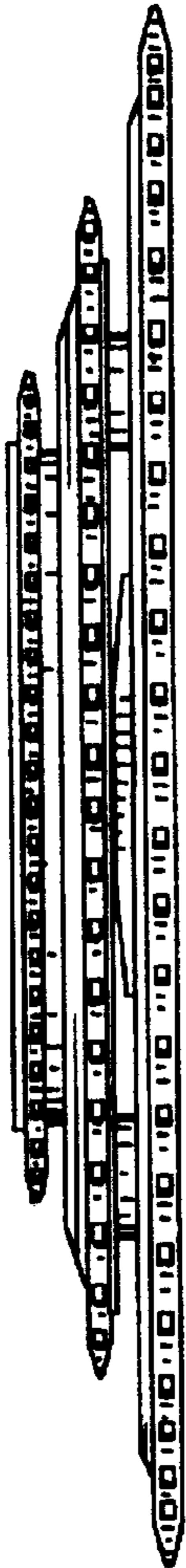


FIG. 7



FIG. 8

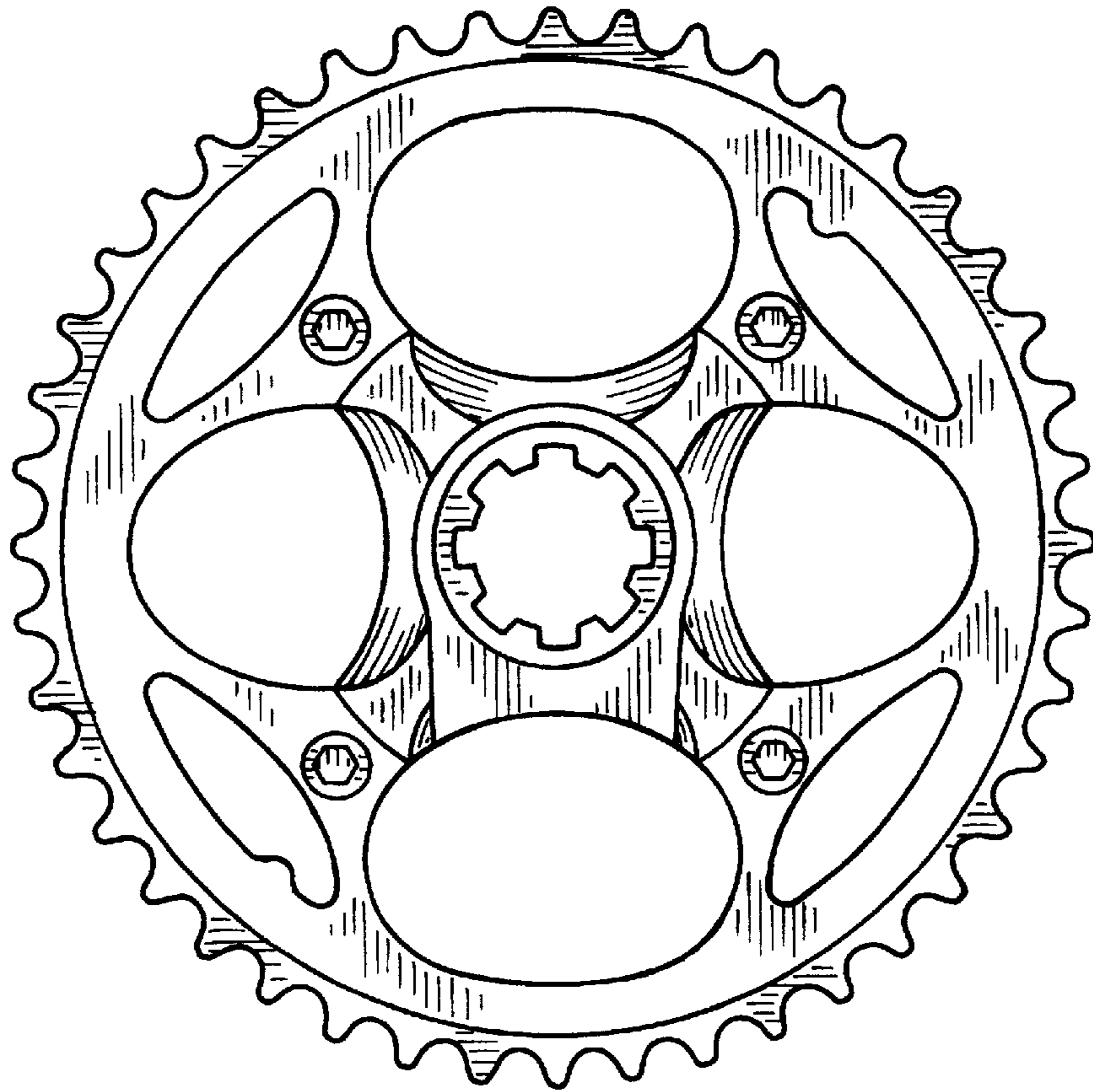


FIG. 9

