

US00D451526B1

(12) **United States Design Patent** (10) **Patent No.:** **US D451,526 S**
Lee (45) **Date of Patent:** **** Dec. 4, 2001**

(54) **RATCHET GEAR**

D. 402,996 * 12/1998 Watanabe D15/5

(75) Inventor: **Il Yeul Lee**, Seoul (KR)

* cited by examiner

(73) Assignee: **Shinwoo Tech Co., Ltd.** (KR)

Primary Examiner—Antoine Duval Davis

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

(74) *Attorney, Agent, or Firm*—Blakely Sokoloff Taylor & Zafman

(21) Appl. No.: **29/134,500**

(57) **CLAIM**

(22) Filed: **Dec. 21, 2000**

The ornamental design for a ratchet gear, as shown and described.

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

DESCRIPTION

(52) **U.S. Cl.** **D15/148; D15/5**

(58) **Field of Search** D15/5, 148, 149;
74/606 R, 820

FIG. 1 is a top elevated perspective view.

FIG. 2 is a bottom elevated perspective view thereof.

FIG. 3 is a bottom elevated perspective view thereof.

FIG. 4 is a top plan view thereof.

FIG. 5 is a side plan view thereof.

FIG. 6 is a bottom plan view thereof; and,

FIG. 7 is an exploded perspective view thereof.

(56) **References Cited**

U.S. PATENT DOCUMENTS

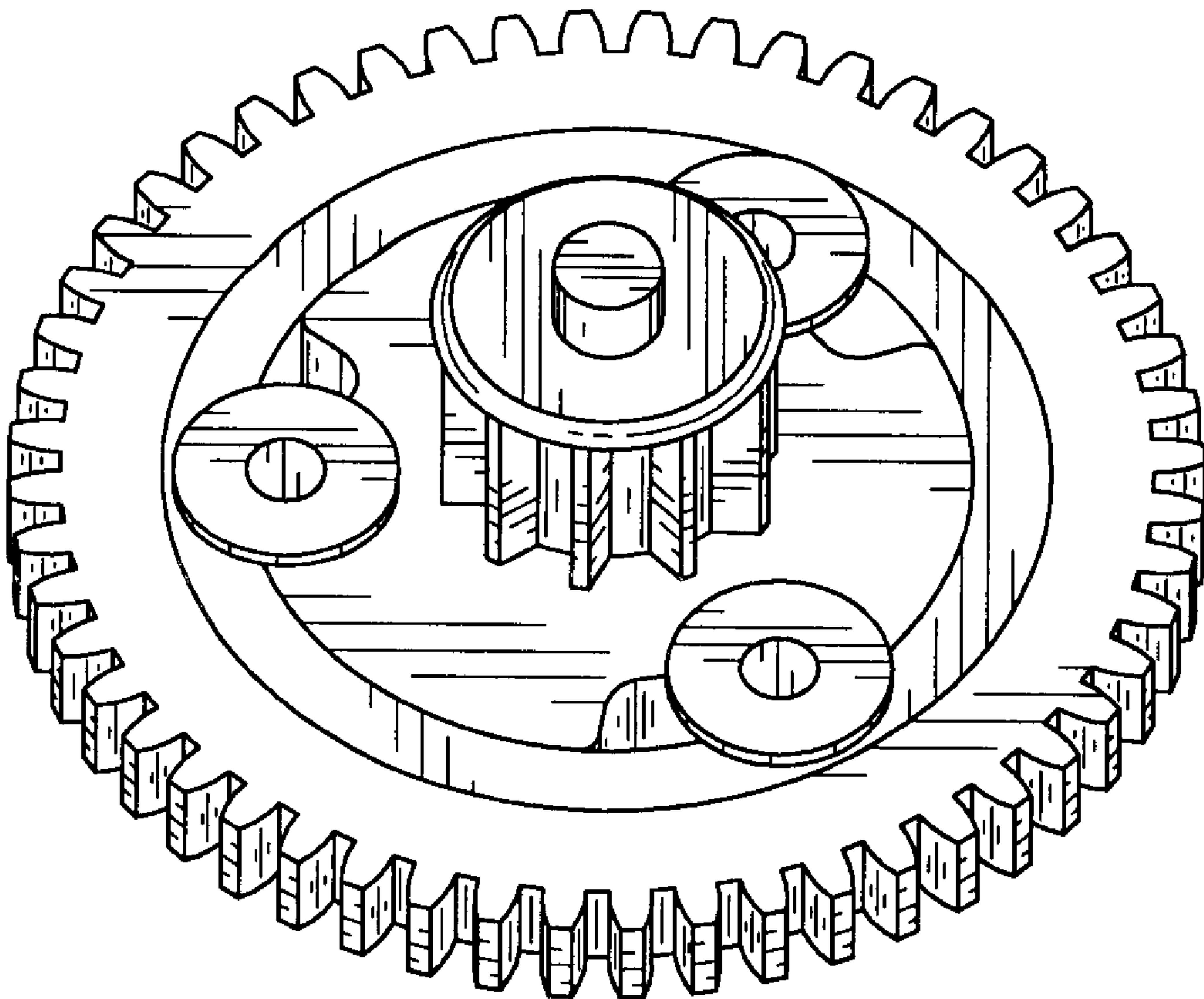
D. 373,368 * 9/1996 Matsui et al. D15/148

D. 395,901 * 7/1998 Mizukami D15/148

D. 399,222 * 10/1998 Chang D15/148

D. 402,995 * 12/1998 Hakamata D15/5

1 Claim, 3 Drawing Sheets



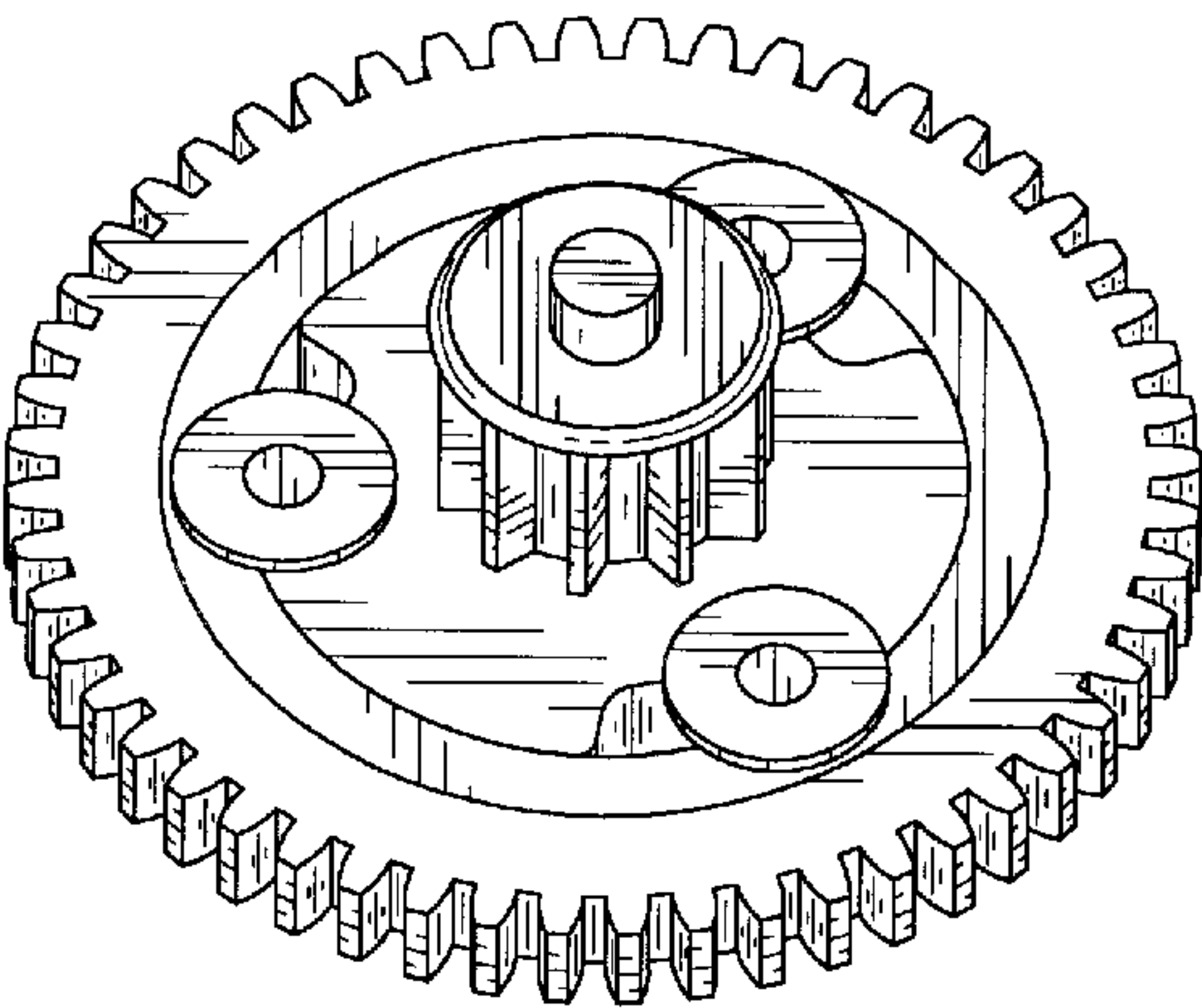


FIG. 1

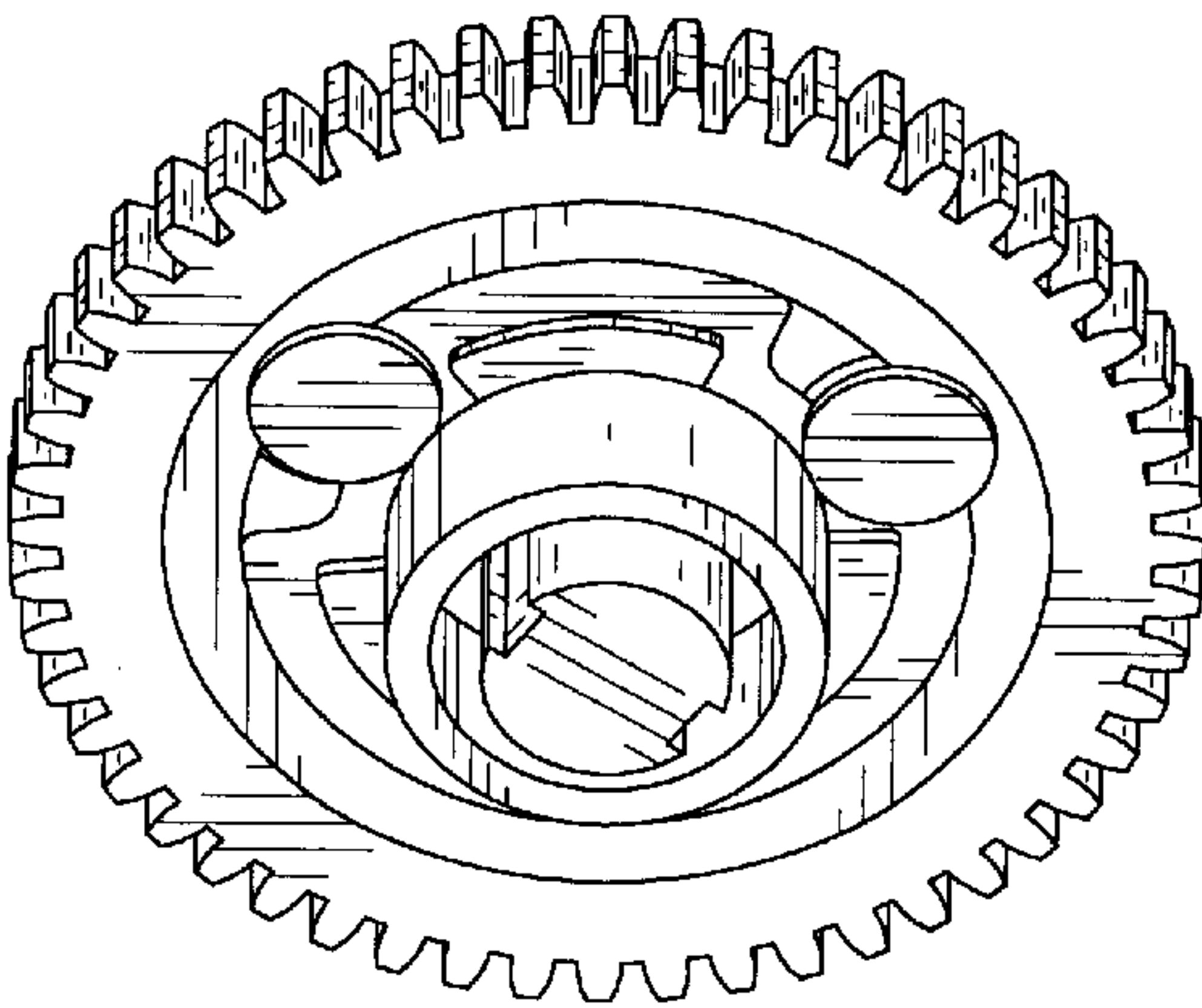


FIG. 2

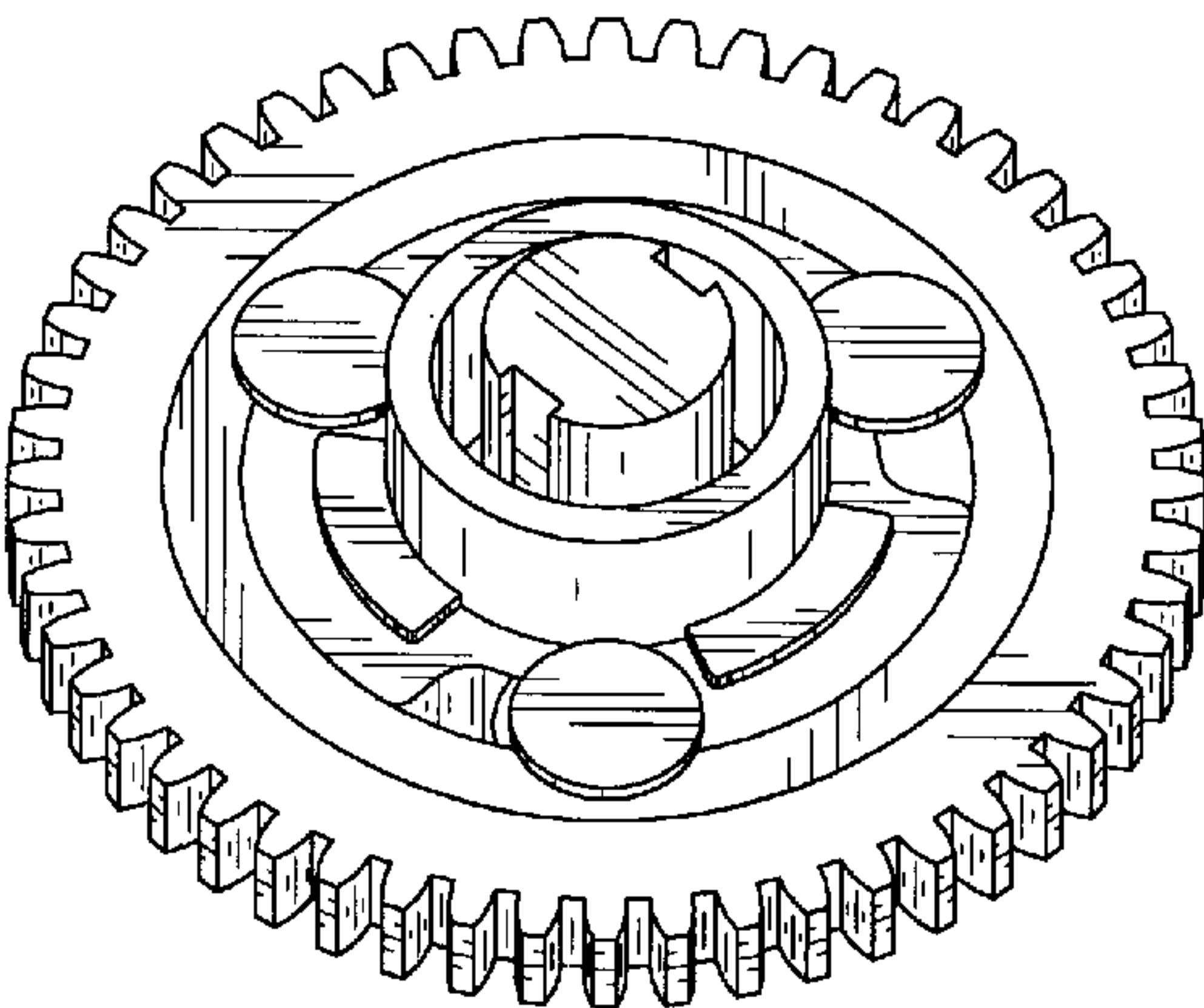


FIG. 3

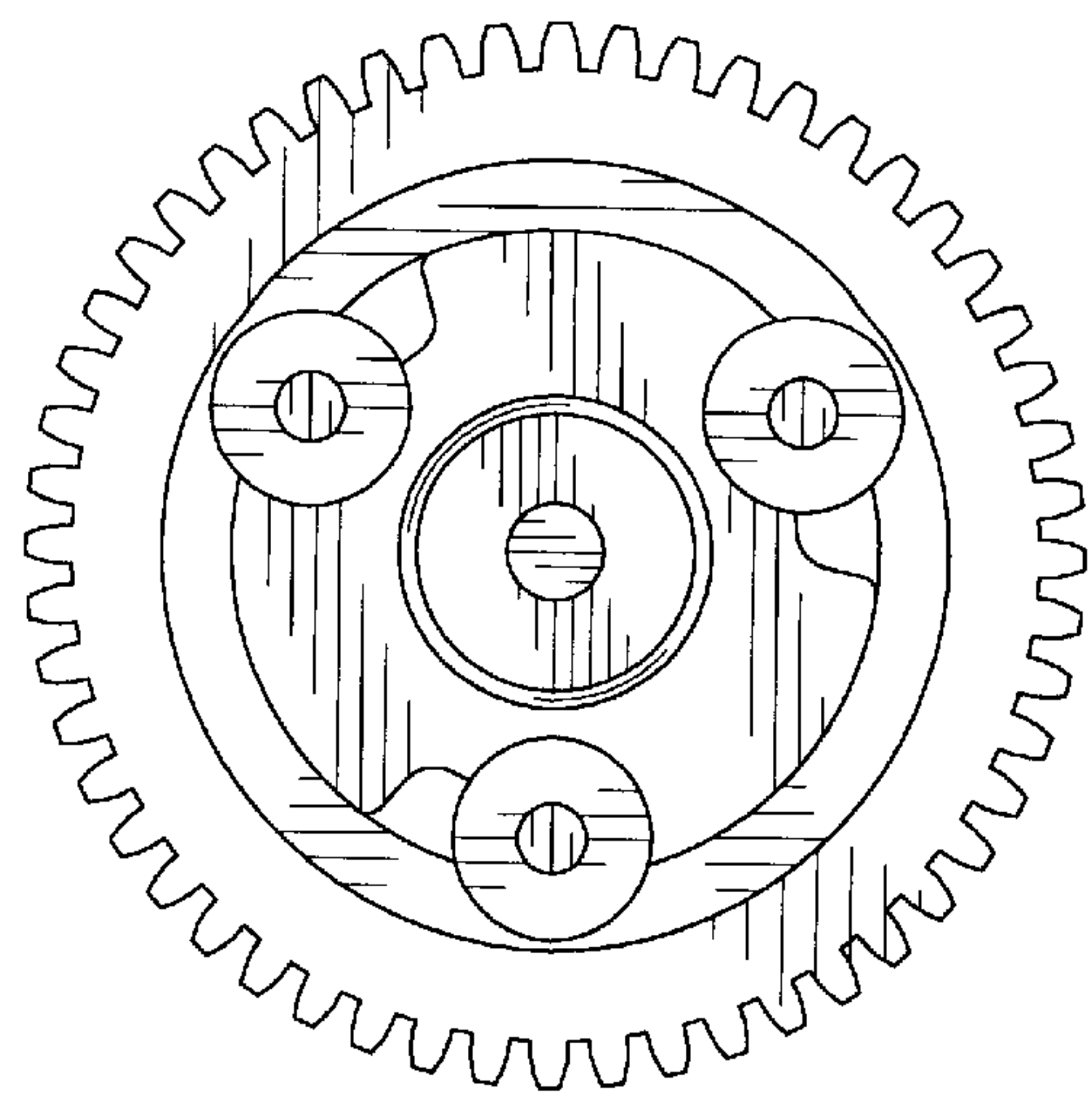


FIG. 4

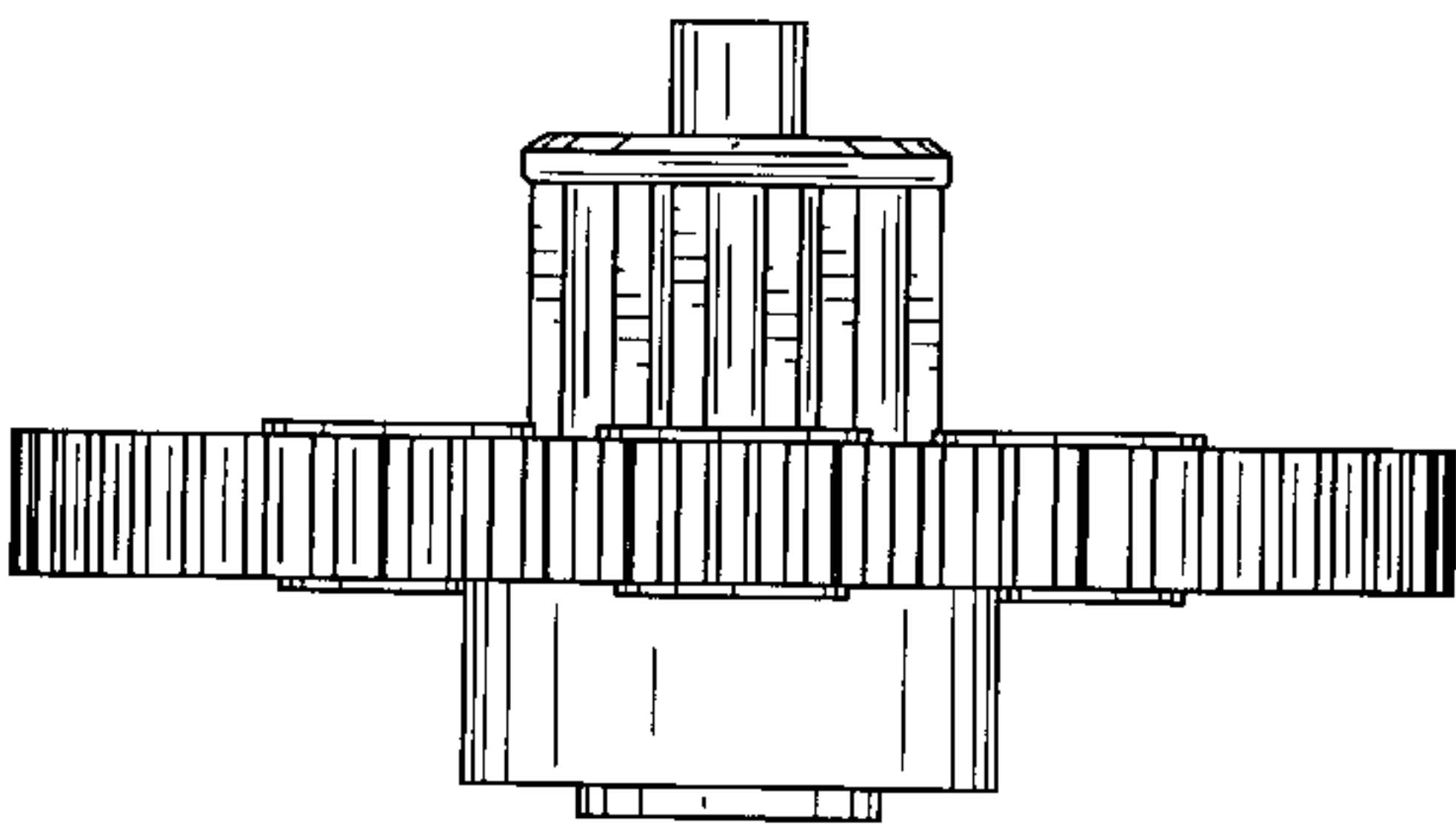


FIG. 5

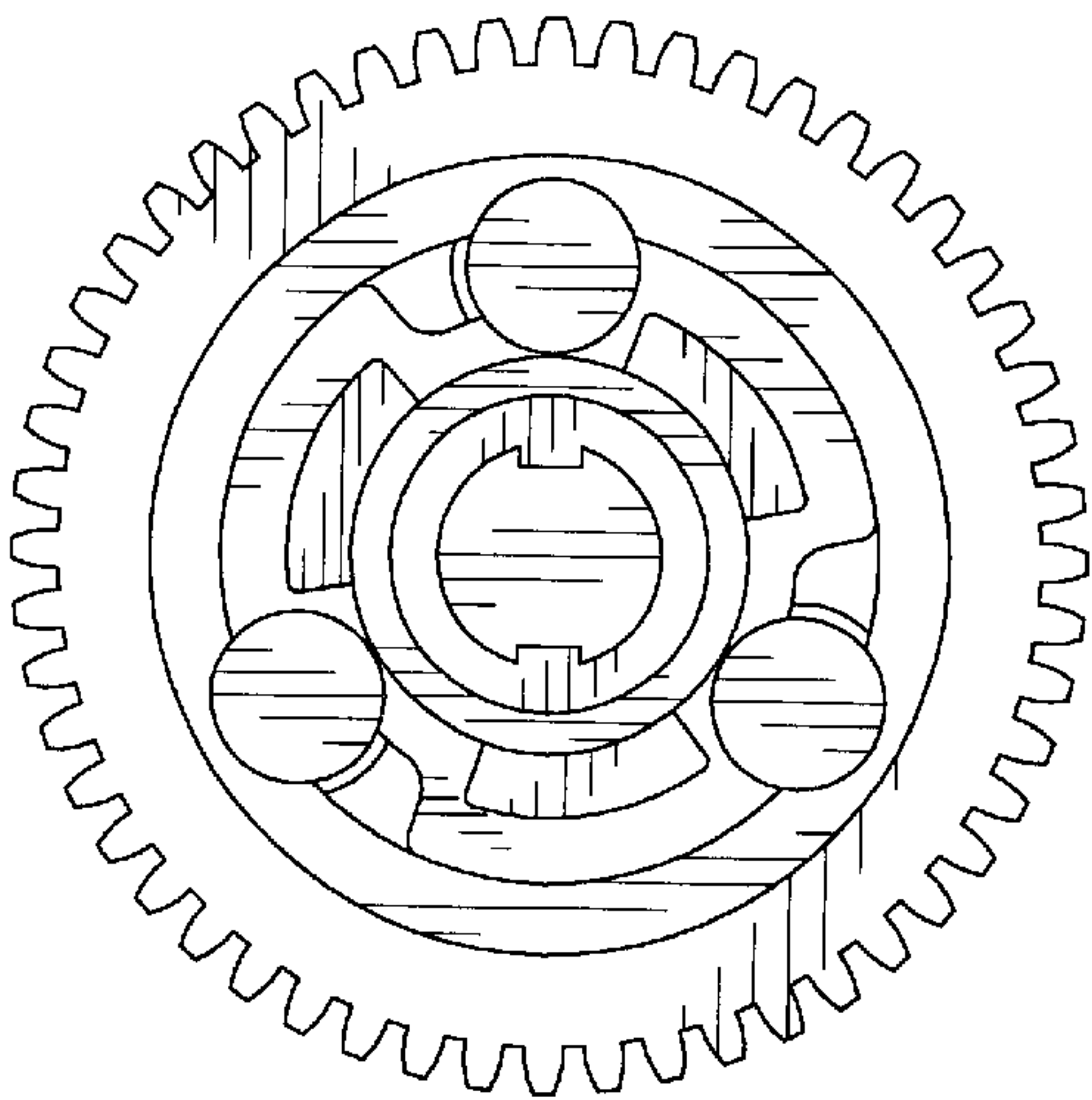


FIG. 6

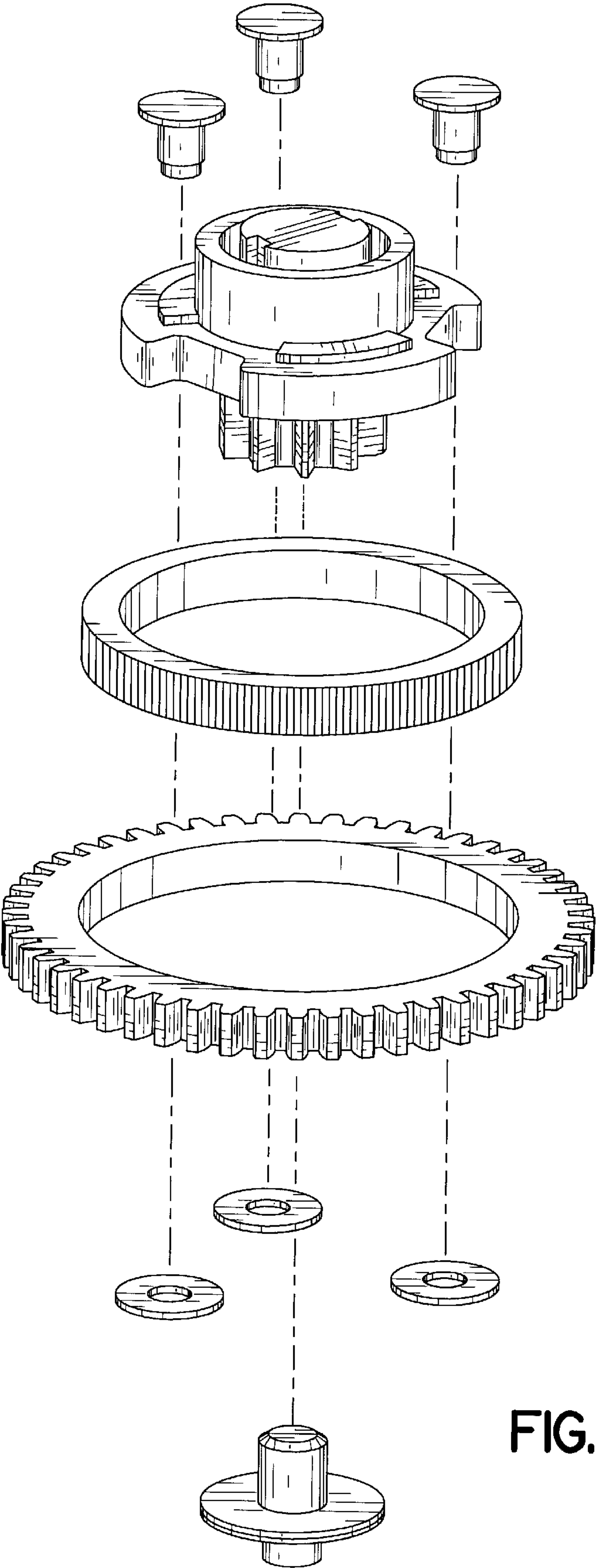


FIG. 7