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

(10) **Patent No.:** **US D733,009 S**  
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(54) **CRANK ARM AND CHAINRING ASSEMBLY FOR A BICYCLE**

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(72) Inventor: **Julian E. Woods**, Castro Valley, CA (US)

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

(21) Appl. No.: **29/472,025**

(22) Filed: **Nov. 7, 2013**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 13/099,301, filed on May 2, 2011, now Pat. No. 8,602,434.

(51) **LOC (10) Cl.** ..... **12-11**

(52) **U.S. Cl.**  
USPC ..... **D12/123**

(58) **Field of Classification Search**  
USPC ..... D12/180, 123; 188/218 XL, 73.44, 188/73.31, 18 A, 218 R, 264 A, 17; D8/42, D8/356; D15/5; D21/561; D23/354; 74/577 R, 594.2; 477/96; 474/152, 78, 474/101, 160, 94, 112; 475/213  
CPC ..... B62M 9/105; B62M 9/10; B62M 25/08; B62M 9/12; B62M 9/122  
See application file for complete search history.

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(57) **CLAIM**

I claim the ornamental design for a crank arm and chainring assembly for a bicycle, as shown and described.

**DESCRIPTION**

FIG. 1 is an exploded left and top perspective view of a crank arm and chainring assembly for a bicycle showing my new design.

FIG. 2 is an exploded left and top perspective view of a crank arm and chainring assembly for a bicycle.

FIG. 3 is a front side view of FIG. 1.

FIG. 4 is a back side view of FIG. 1.

FIG. 5 is a right side view of FIG. 1.

FIG. 6 is a left side view of FIG. 1.

FIG. 7 is a left and top perspective view of a crank arm and chainring assembly for a bicycle.

FIG. 8 is a left and bottom perspective view of a crank arm chainring assembly for a bicycle.

FIG. 9 is a front side view of FIG. 7.

FIG. 10 is a back side view of FIG. 7.

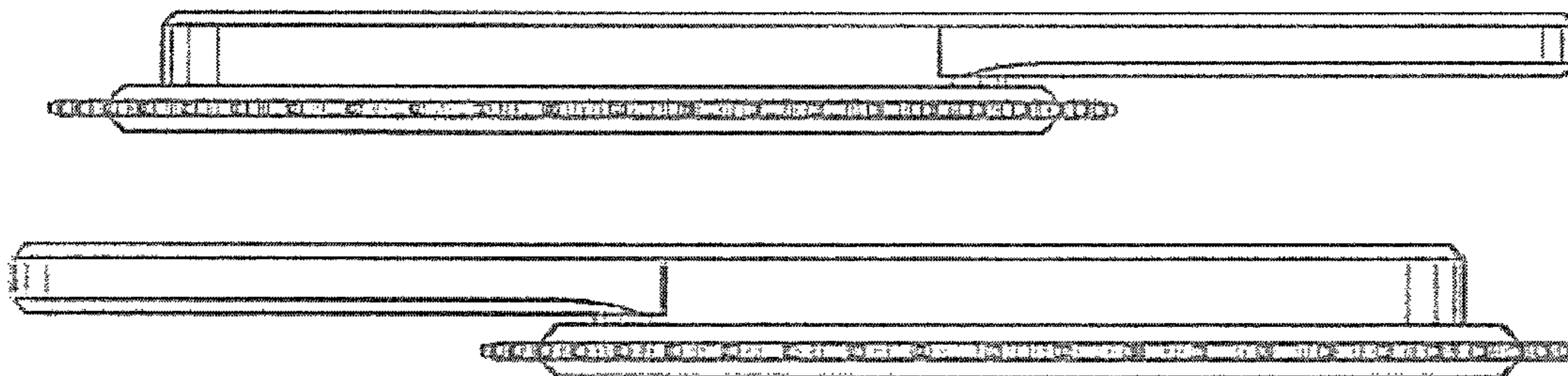
FIG. 11 is a right side view of FIG. 7.

FIG. 12 is a left side view of FIG. 7.

FIG. 13 is a top view of FIG. 7; and,

FIG. 14 is a bottom view of FIG. 7.

**1 Claim, 8 Drawing Sheets**



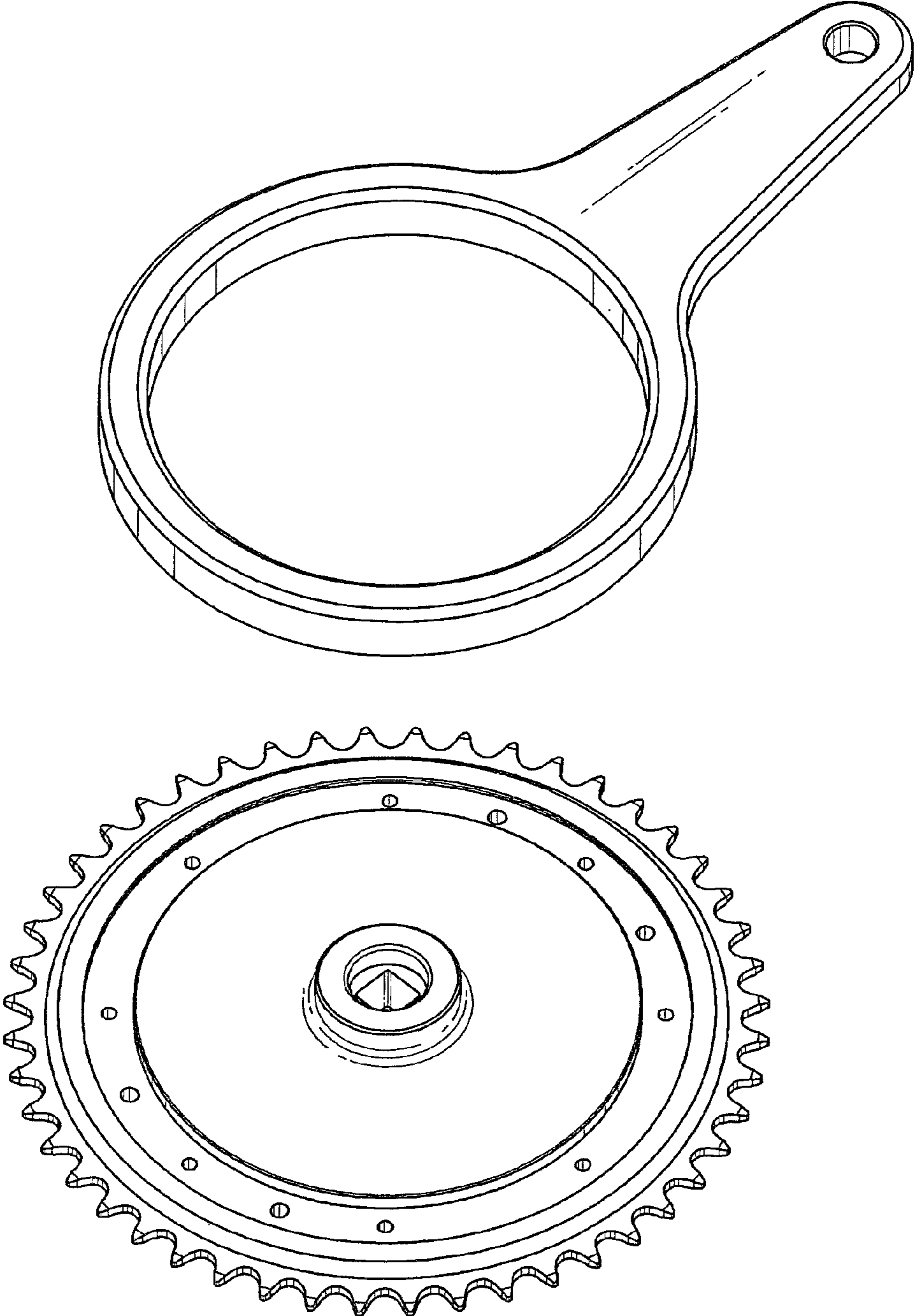


FIG. 1

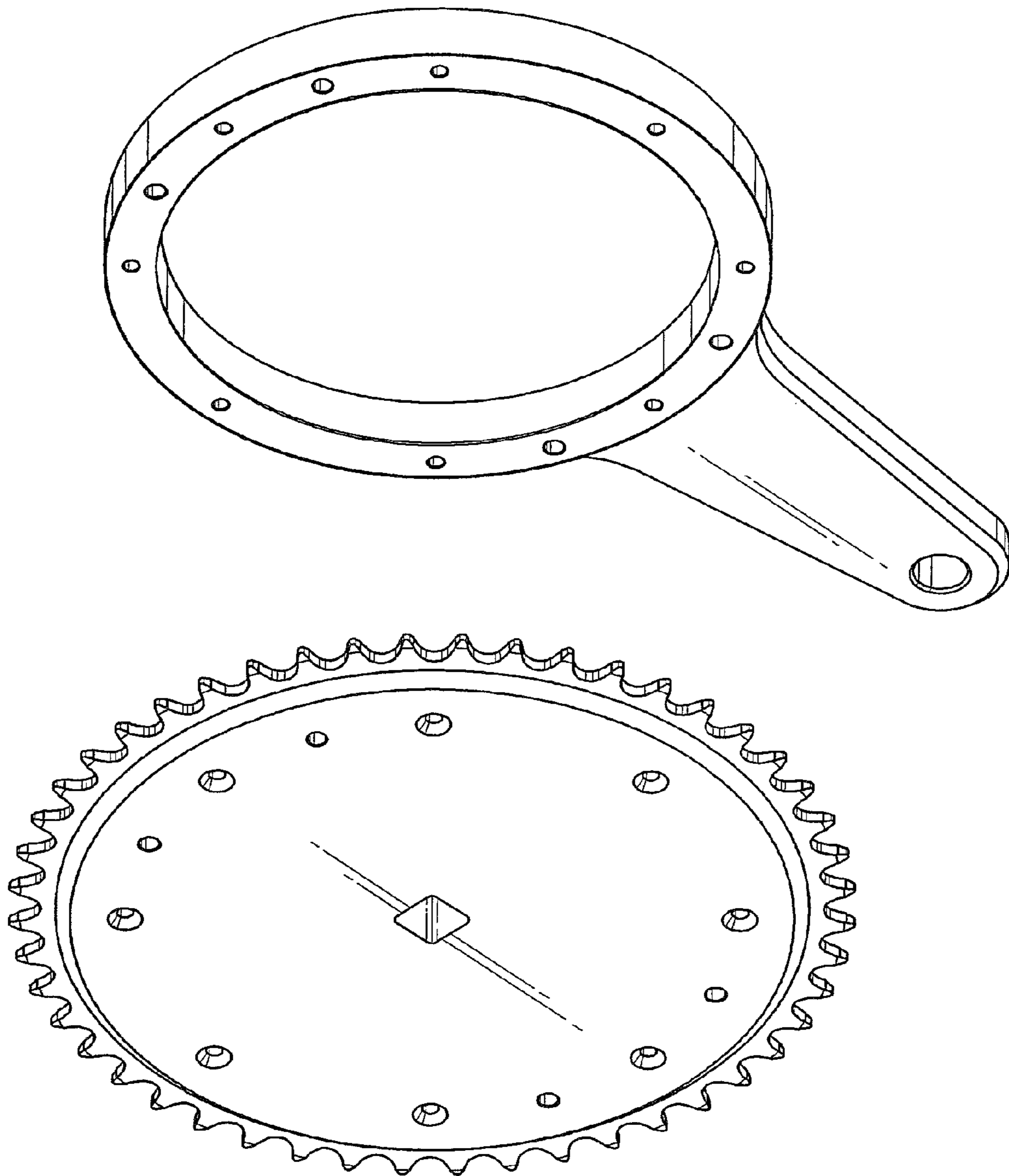


FIG. 2

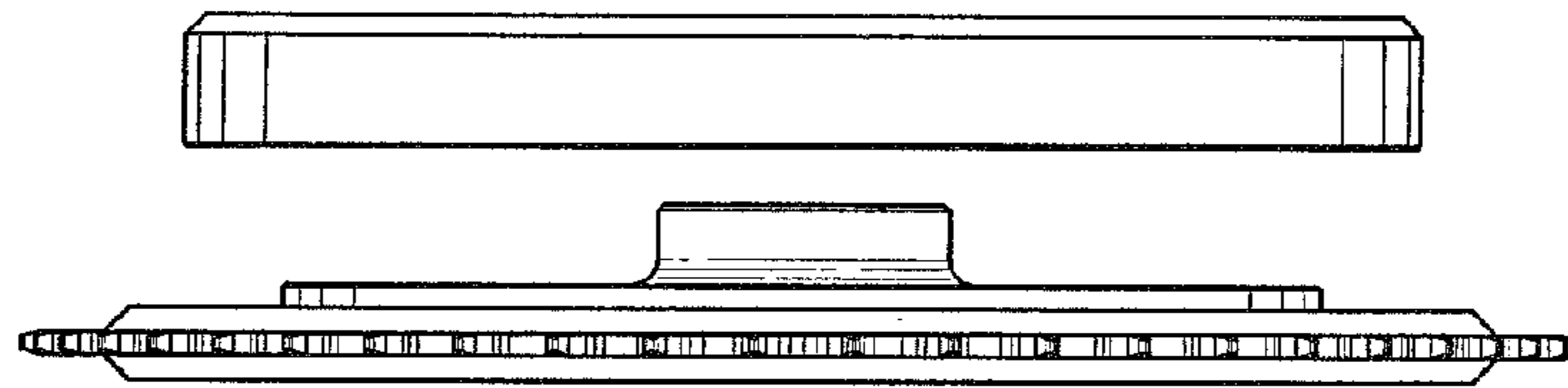


FIG. 3

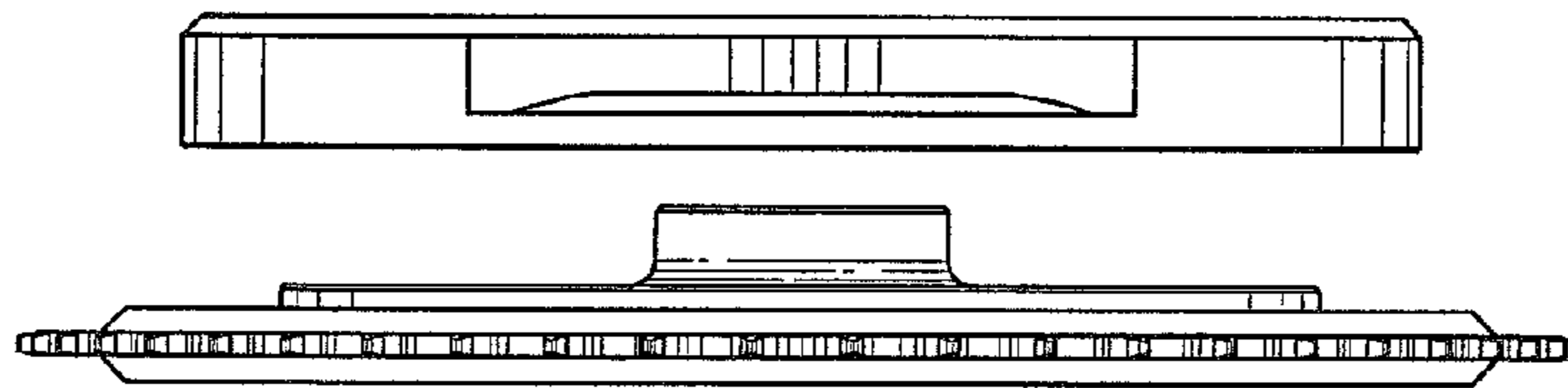


FIG. 4

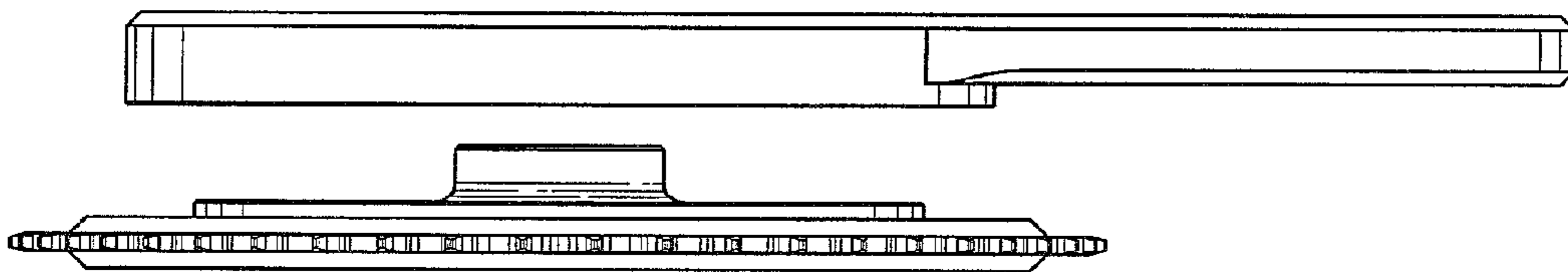


FIG. 5

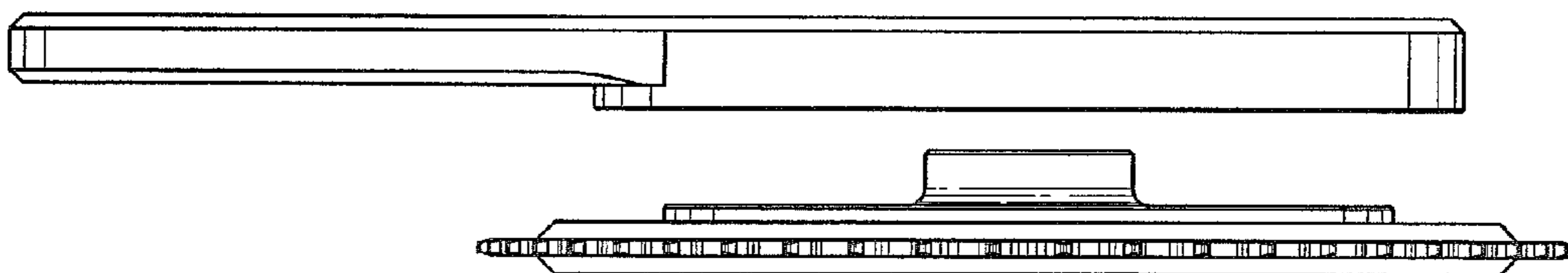


FIG. 6

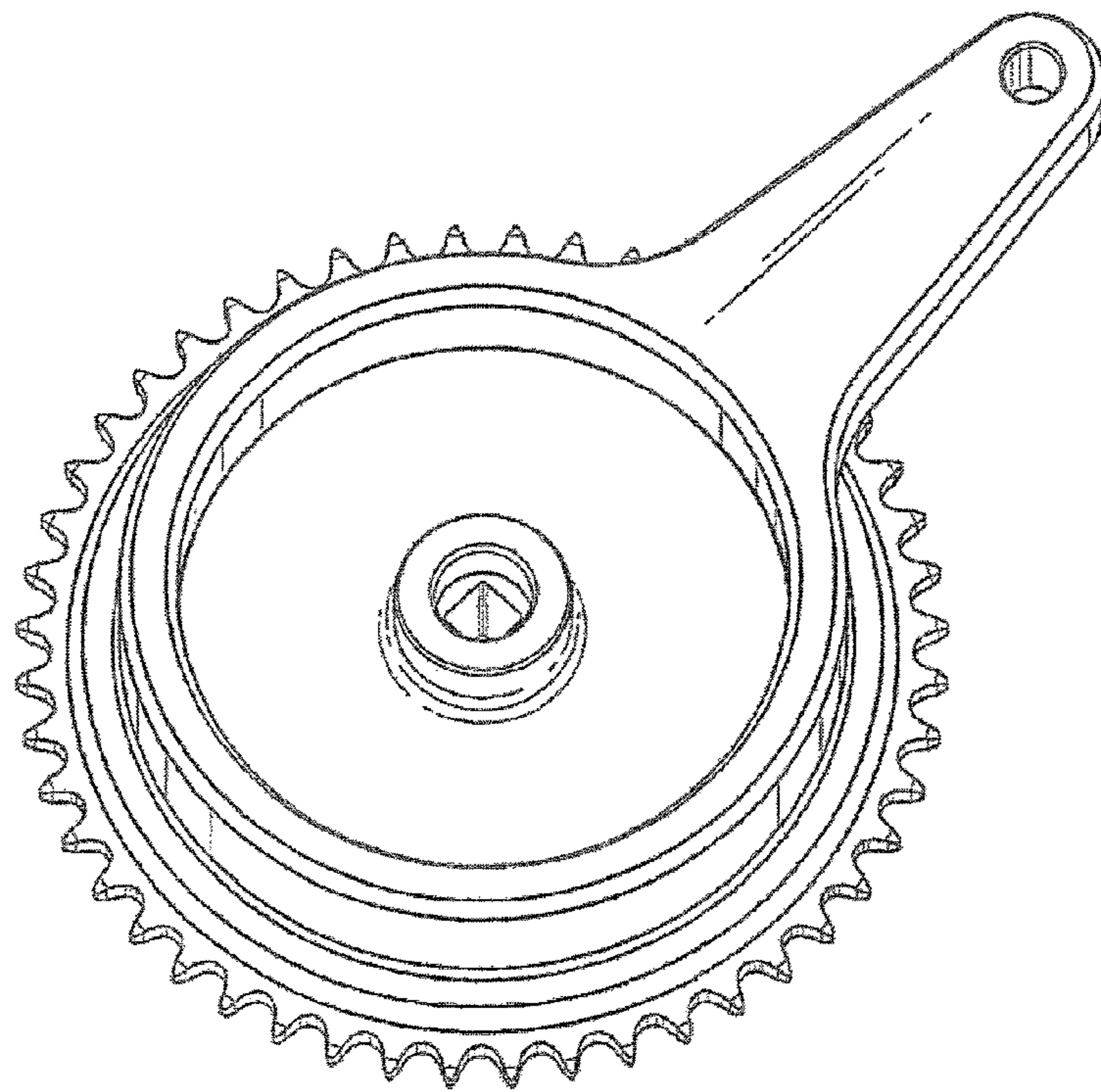


FIG. 7

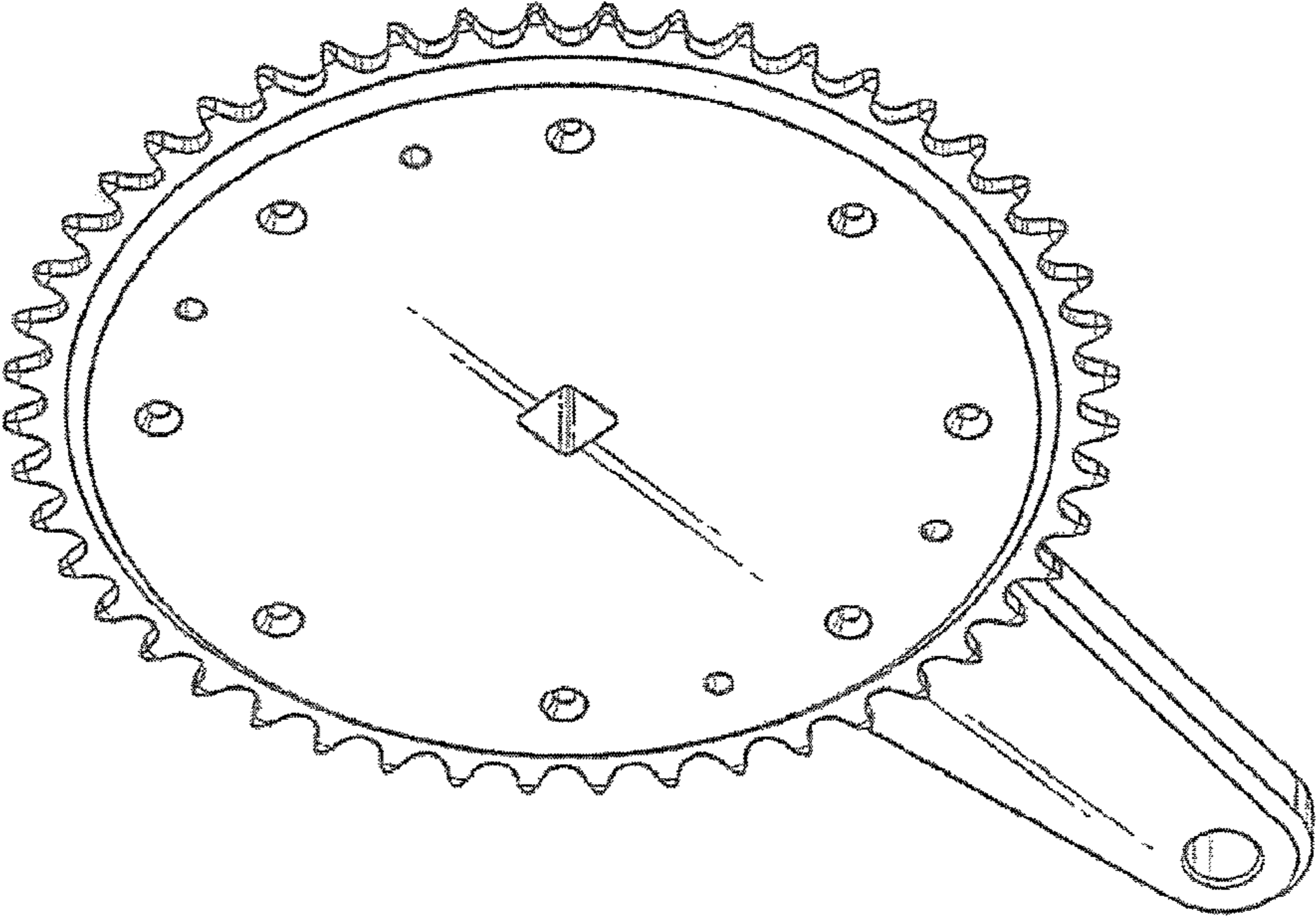


FIG. 8



FIG. 9

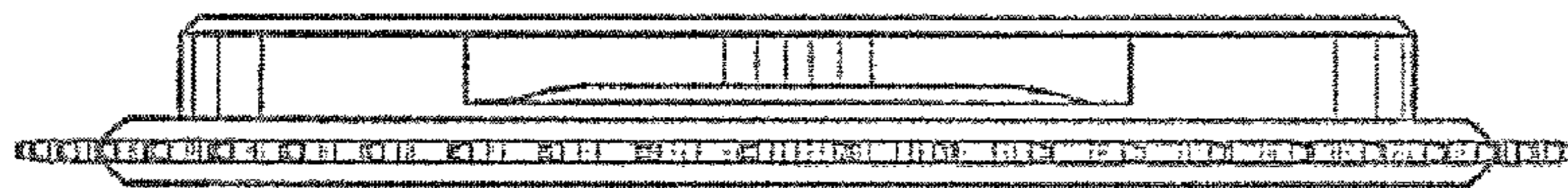


FIG. 10

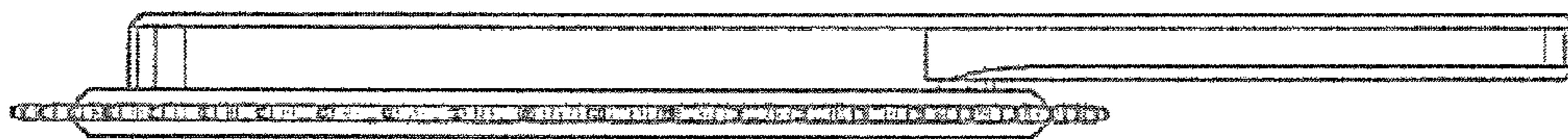


FIG. 11



FIG. 12

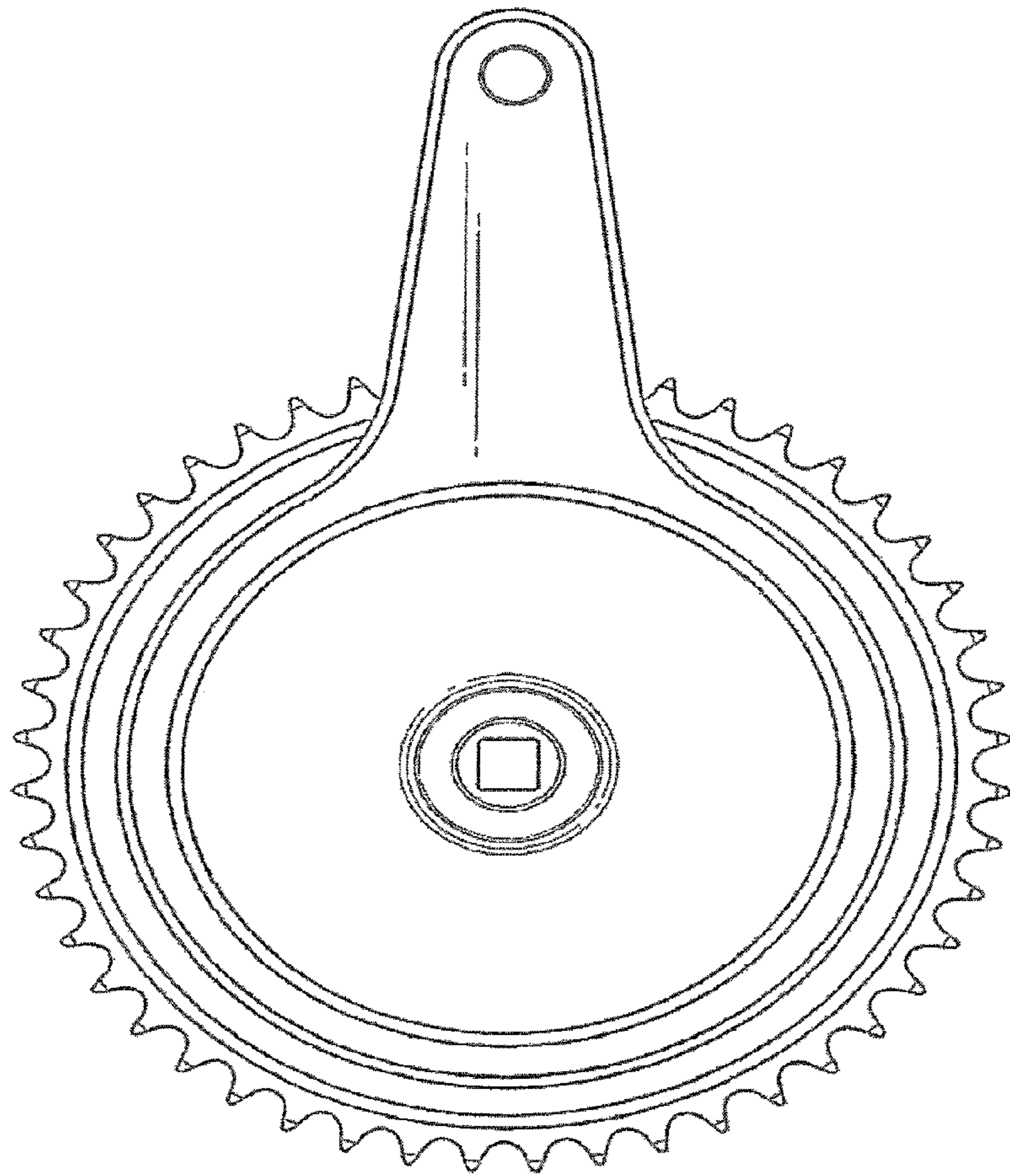


FIG. 13



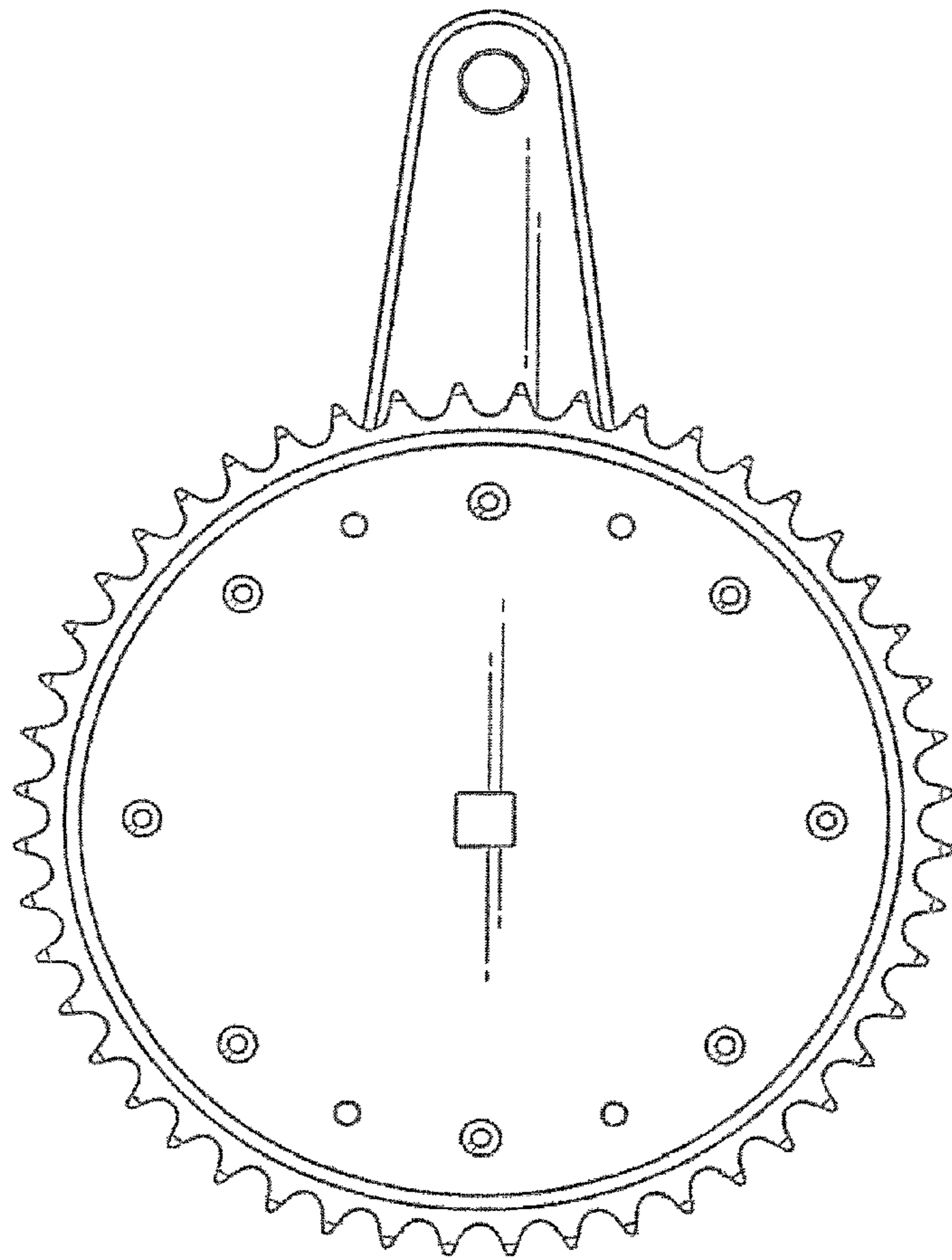


FIG. 14