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(12) **United States Design Patent**  
**Ackermann et al.**

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(54) **DENTAL TAP**

(75) Inventors: **Andrew Ackermann**, Sandton (ZA);  
**Graham Alan Blackbeard**, Irene (ZA)

(73) Assignee: **Southern Implants (Pty) Ltd**,  
Centurion (ZA)

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

(21) Appl. No.: **29/404,645**

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(51) **LOC (9) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/152; D24/147**

(58) **Field of Classification Search**

USPC ..... D24/133, 146, 152, 155–156, 176, 140;  
D8/86, 82, 387; 606/79–80, 98, 104,  
606/96; 433/75, 114, 141, 165, 173–174,  
433/193–195

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

418,108 A \* 12/1889 Browne ..... 433/165  
1,813,741 A \* 7/1931 Harper ..... 433/165

(Continued)

*Primary Examiner* — Wan Laymon

(74) *Attorney, Agent, or Firm* — Clark & Elbing LLP; Todd  
Armstrong

(57) **CLAIM**

The ornamental design for a dental tap, as shown and  
described.

#### DESCRIPTION

FIG. 1 shows a typical side view of a first embodiment of a  
dental tap;

FIG. 2 shows a bottom axial view of the dental tap of FIG. 1;

FIG. 3 shows a top axial view of the dental tap of FIG. 1;

FIG. 4 shows a typical side view of a second embodiment of  
a dental tap;

FIG. 5 shows a bottom axial view of the dental tap of FIG. 4;

FIG. 6 shows a top axial view of the dental tap of FIG. 4;

FIG. 7 shows a typical side view of a third embodiment of a  
dental tap;

FIG. 8 shows a bottom axial view of the dental tap of FIG. 7;

FIG. 9 shows a top axial view of the dental tap of FIG. 7;

FIG. 10 shows a typical side view of a fourth embodiment of  
a dental tap;

FIG. 11 shows a bottom axial view of the dental tap of FIG.  
10;

FIG. 12 shows a top axial view of the dental tap of FIG. 10;

FIG. 13 shows a typical side view of a fifth embodiment of a  
dental tap;

FIG. 14 shows a bottom axial view of the dental tap of FIG.  
13;

FIG. 15 shows a top axial view of the dental tap of FIG. 13;

FIG. 16 shows a typical side view of a sixth embodiment of a  
dental tap;

FIG. 17 shows a bottom axial view of the dental tap of FIG.  
16;

FIG. 18 shows a top axial view of the dental tap of FIG. 16;

FIG. 19 shows a typical side view of a seventh embodiment of  
a dental tap;

FIG. 20 shows a bottom axial view of the dental tap of FIG.  
19;

FIG. 21 shows a top axial view of the dental tap of FIG. 19;

FIG. 22 shows a typical side view of an eighth embodiment of  
a dental tap;

FIG. 23 shows a bottom axial view of the dental tap of FIG.  
22;

FIG. 24 shows a top axial view of the dental tap of FIG. 22;

FIG. 25 shows a typical side view of a ninth embodiment of a  
dental tap;

FIG. 26 shows a bottom axial view of the dental tap of FIG.  
25; and,

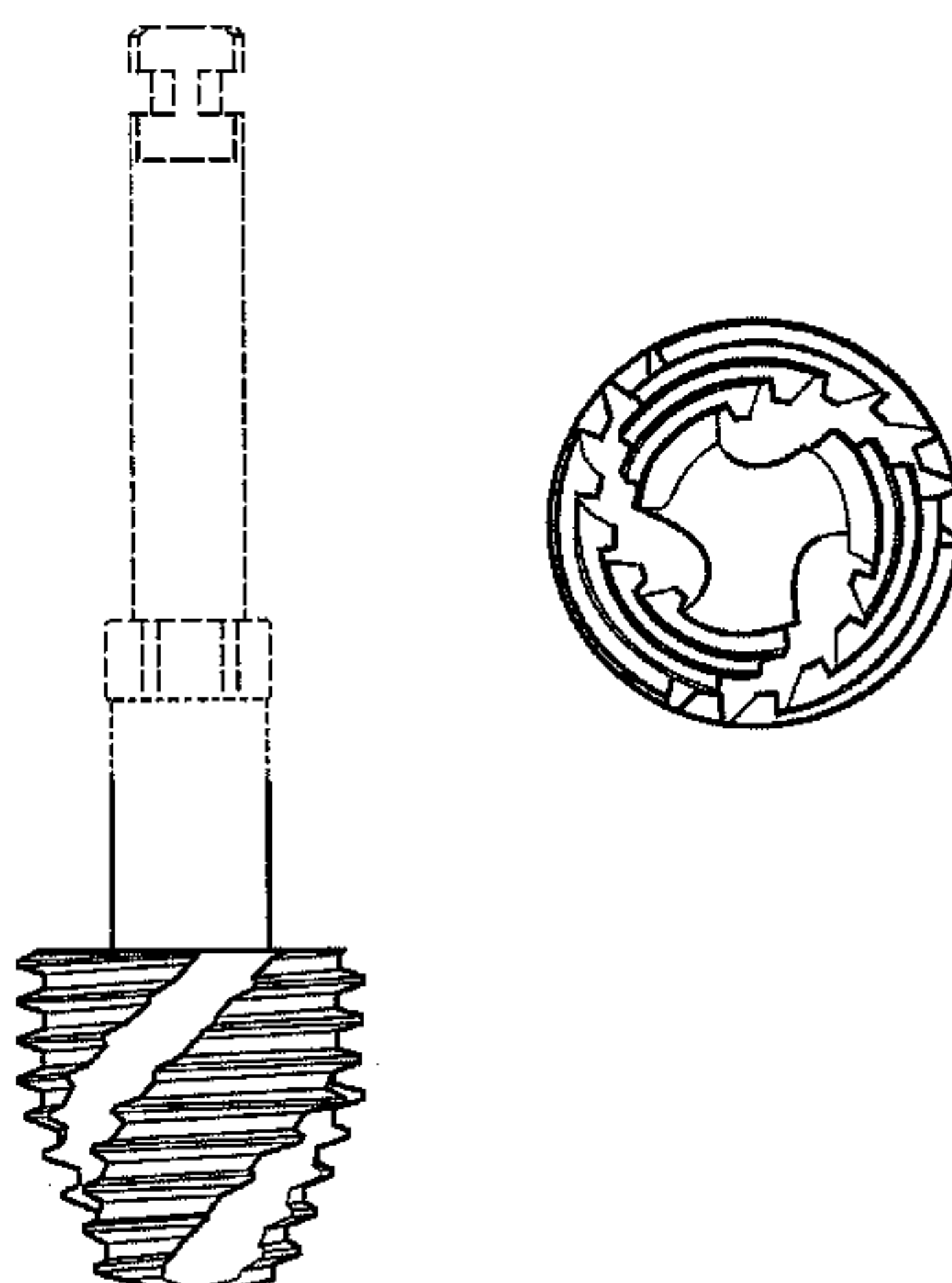
FIG. 27 shows a top axial view of the dental tap of FIG. 25.

The evenly dashed broken lines in the drawings illustrate the  
portions of the design that form no part of the claimed design.

The dot-dot-dash broken line in the drawings defines the  
bounds of the claim. None of the broken lines form part of the  
claimed design.

The dental tap is used to make a threaded opening in bone to  
receive a dental implant.

**1 Claim, 18 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

5,261,818 A \* 11/1993 Shaw ..... 433/165

5,762,498 A \* 6/1998 Gonzalez ..... 433/165

6,068,632 A \* 5/2000 Carchidi et al. .... 606/79

6,364,662 B1 \* 4/2002 Kumar ..... 433/165

6,863,529 B2 \* 3/2005 Strong et al. .... 433/165

7,341,453 B2 \*

2003/0049586 A1 \*

2005/0043739 A1 \*

2009/0136898 A1 \*

2009/0142731 A1 \*

2010/0112517 A1 \*

2012/0129126 A1 \*

2013/0224683 A1 \*

3/2008 Coatoam ..... 433/173

3/2003 Kumar ..... 433/165

2/2005 Sullivan et al. .... 606/80

5/2009 Kim ..... 433/165

6/2009 Kim ..... 433/165

5/2010 Chen ..... 433/165

5/2012 Nouriam et al. .... 433/75

8/2013 Zacharia et al. .... 433/165

\* cited by examiner

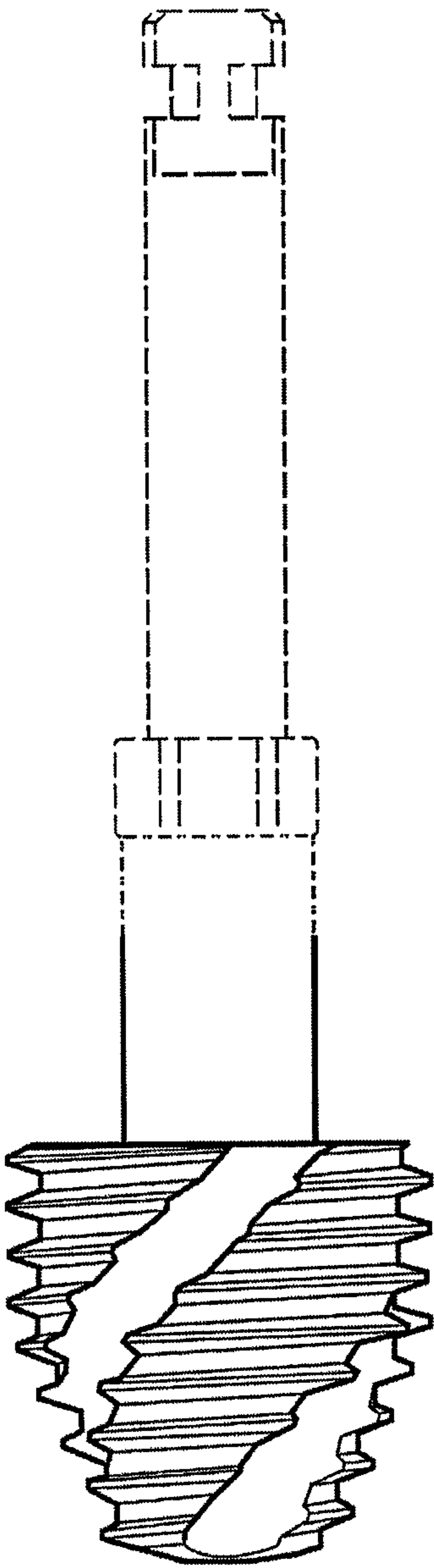


Fig .1

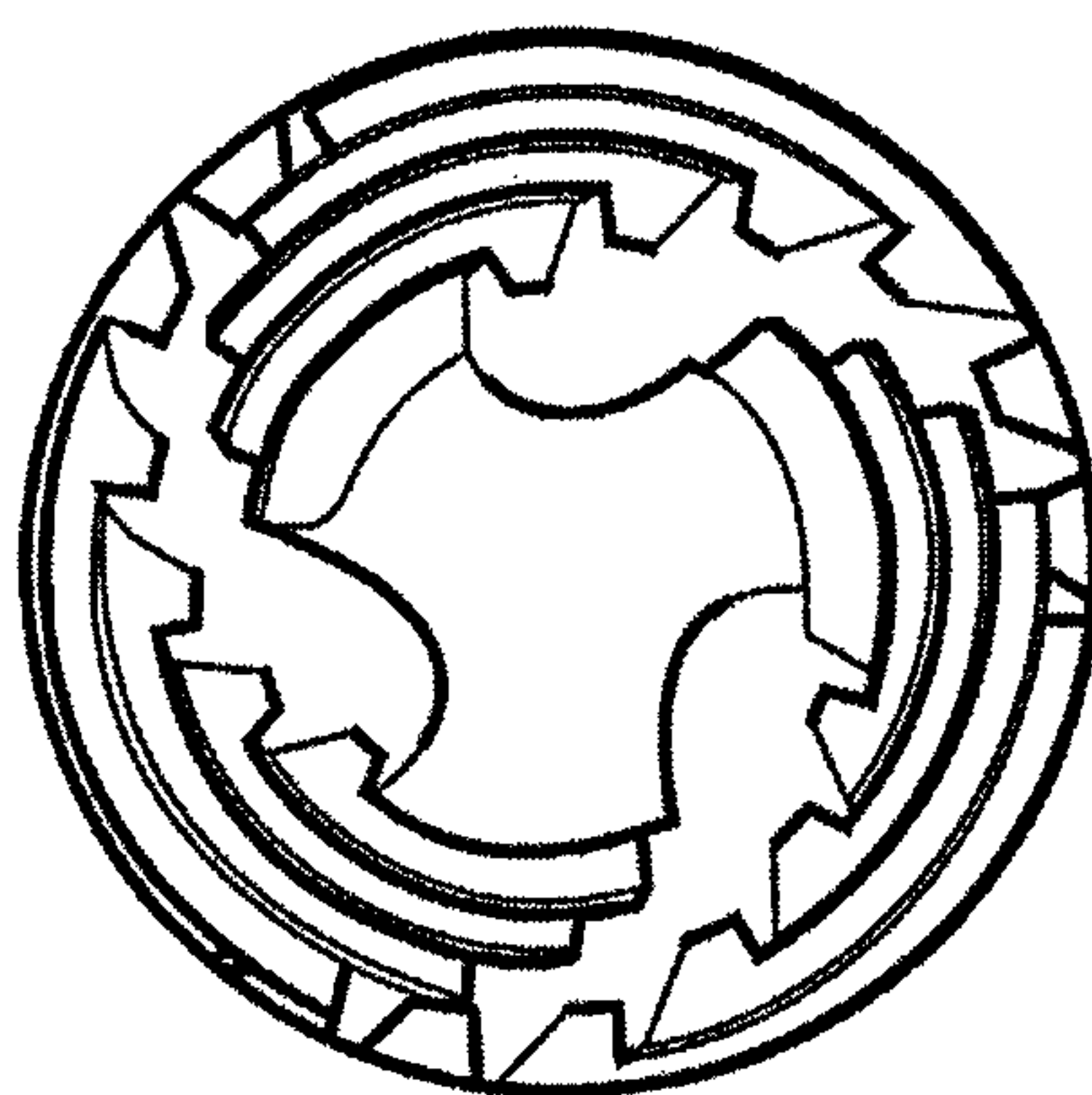


Fig .2

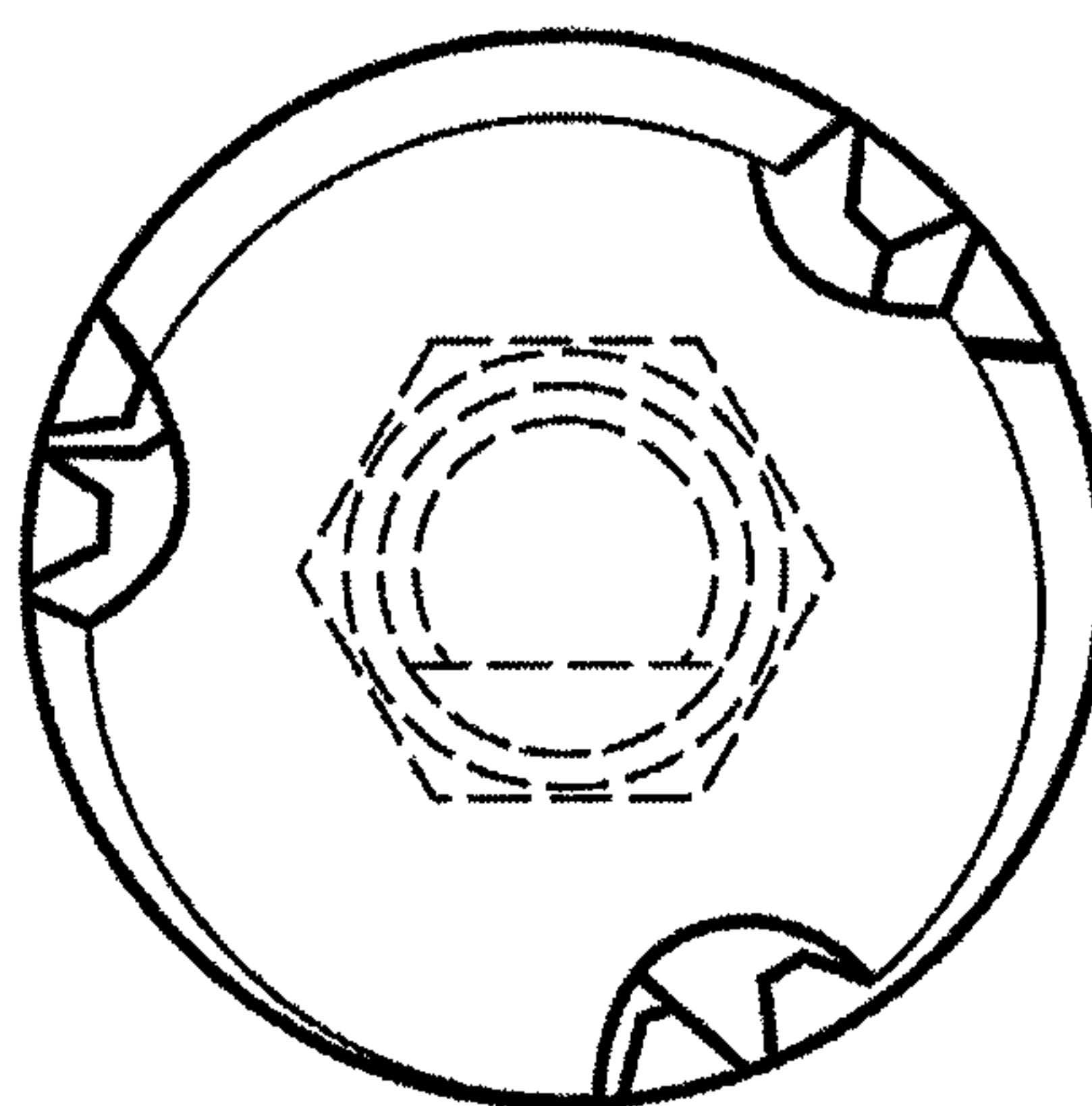


Fig .3

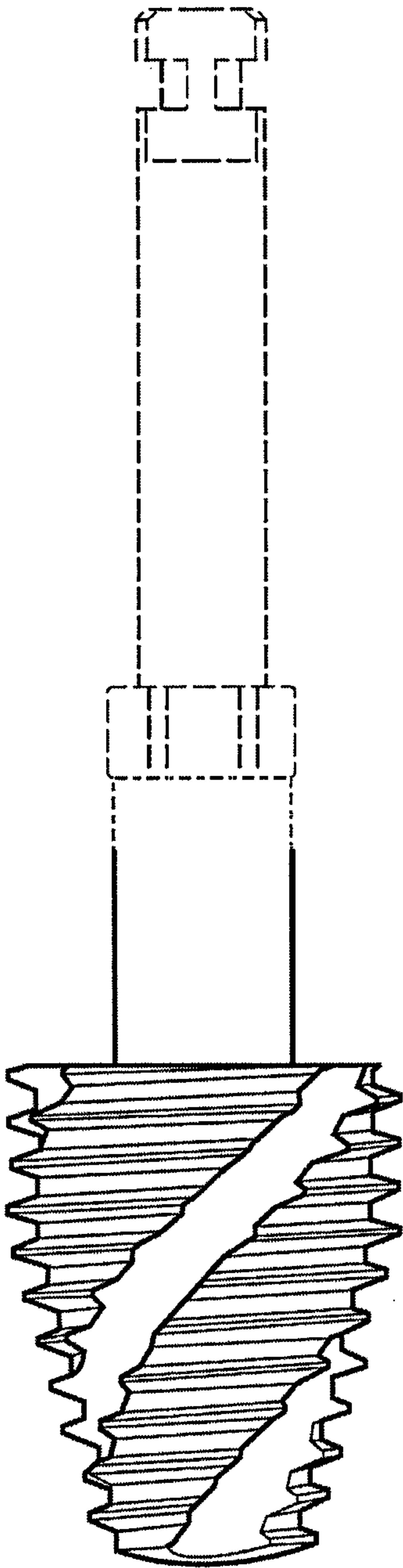


Fig .4



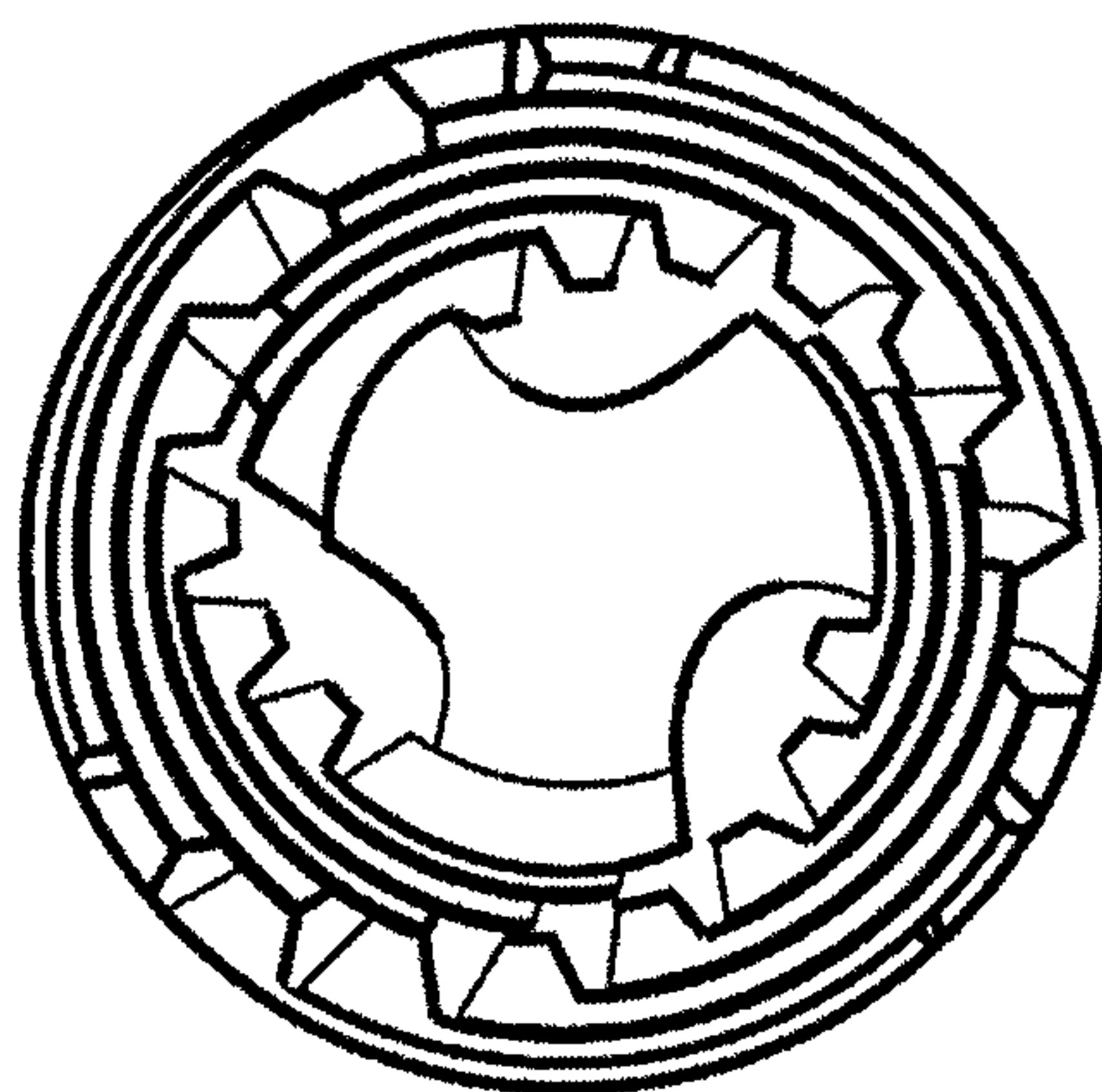


Fig .5

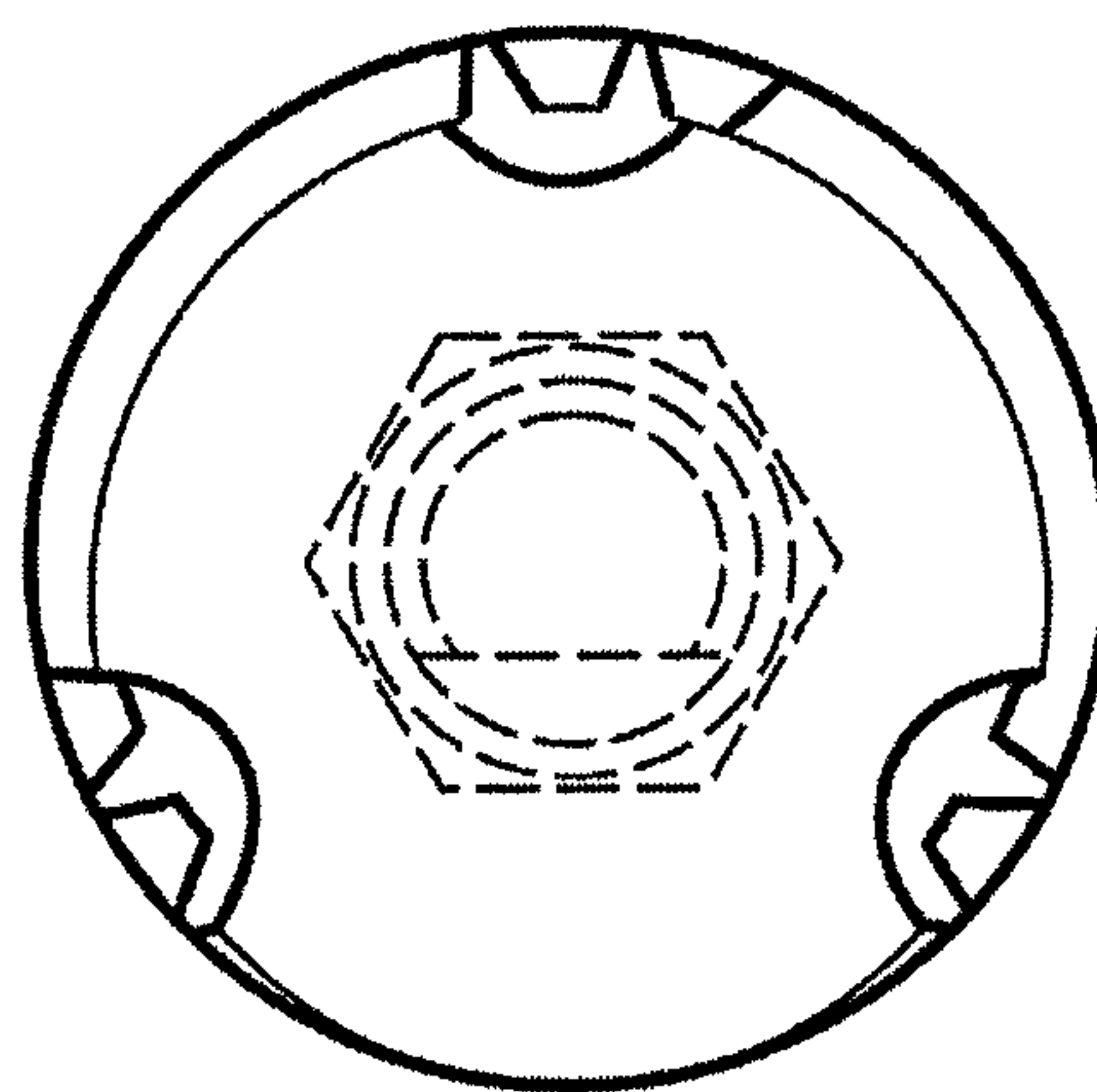


Fig .6

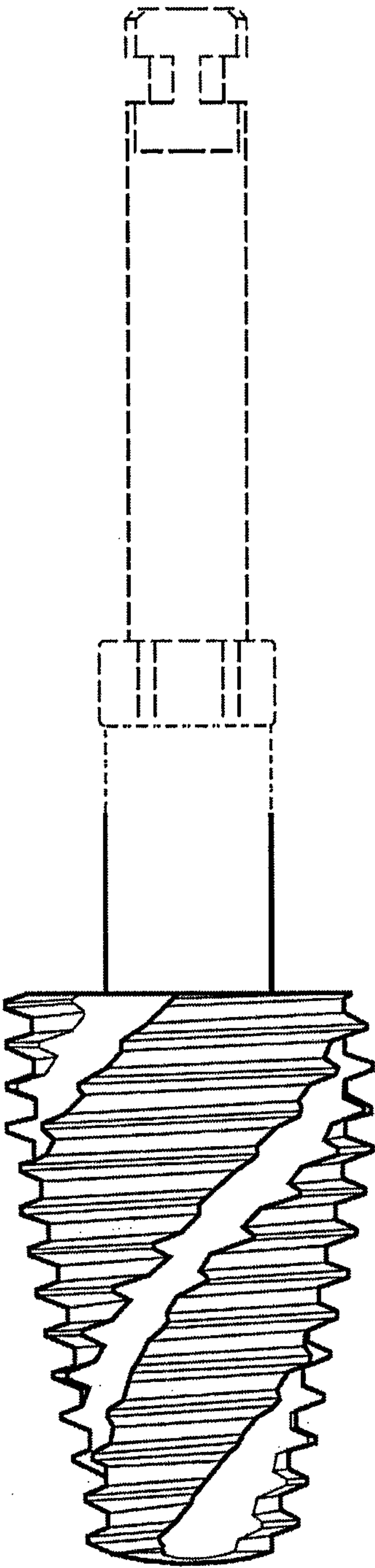


Fig .7

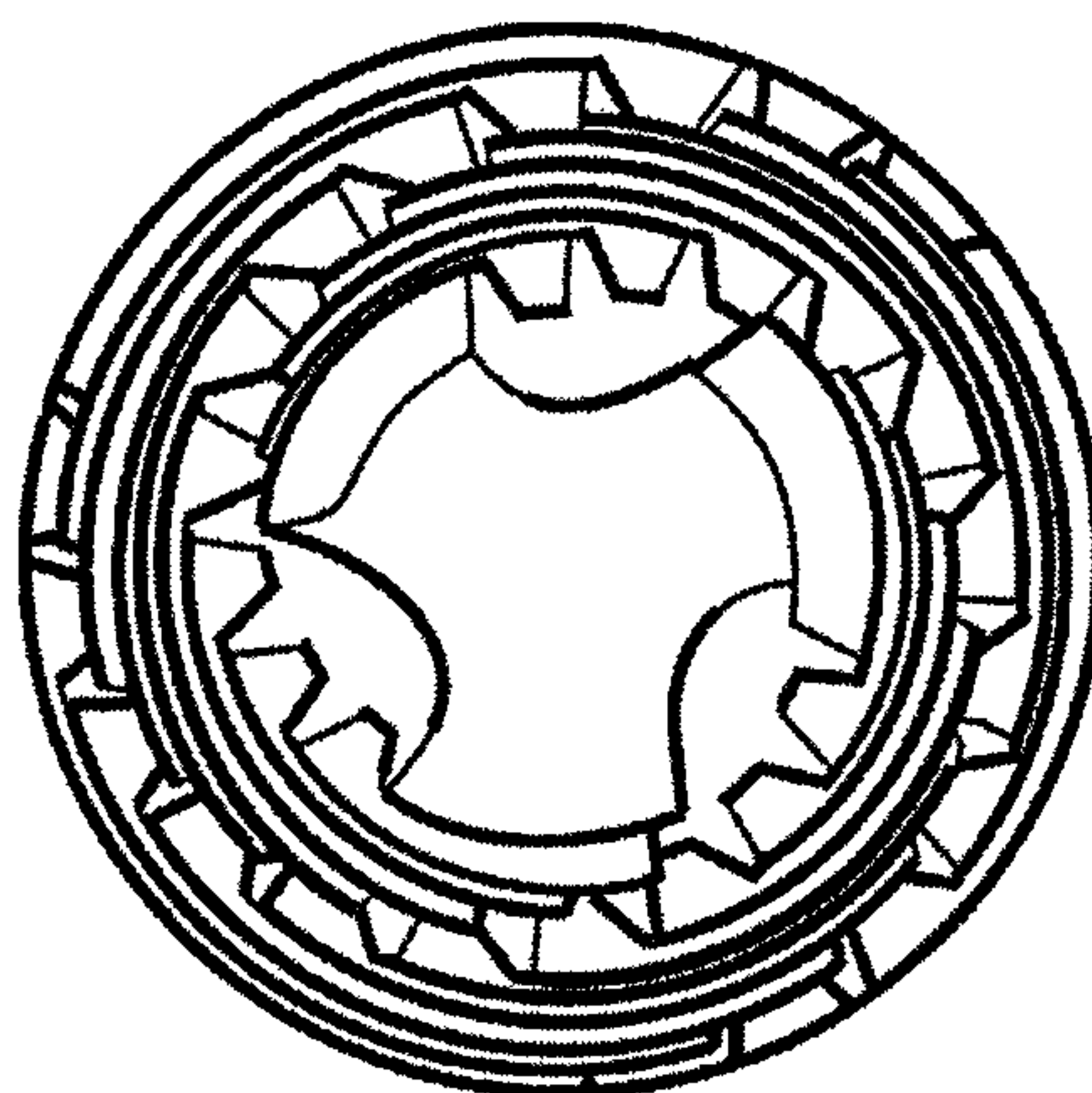


Fig .8

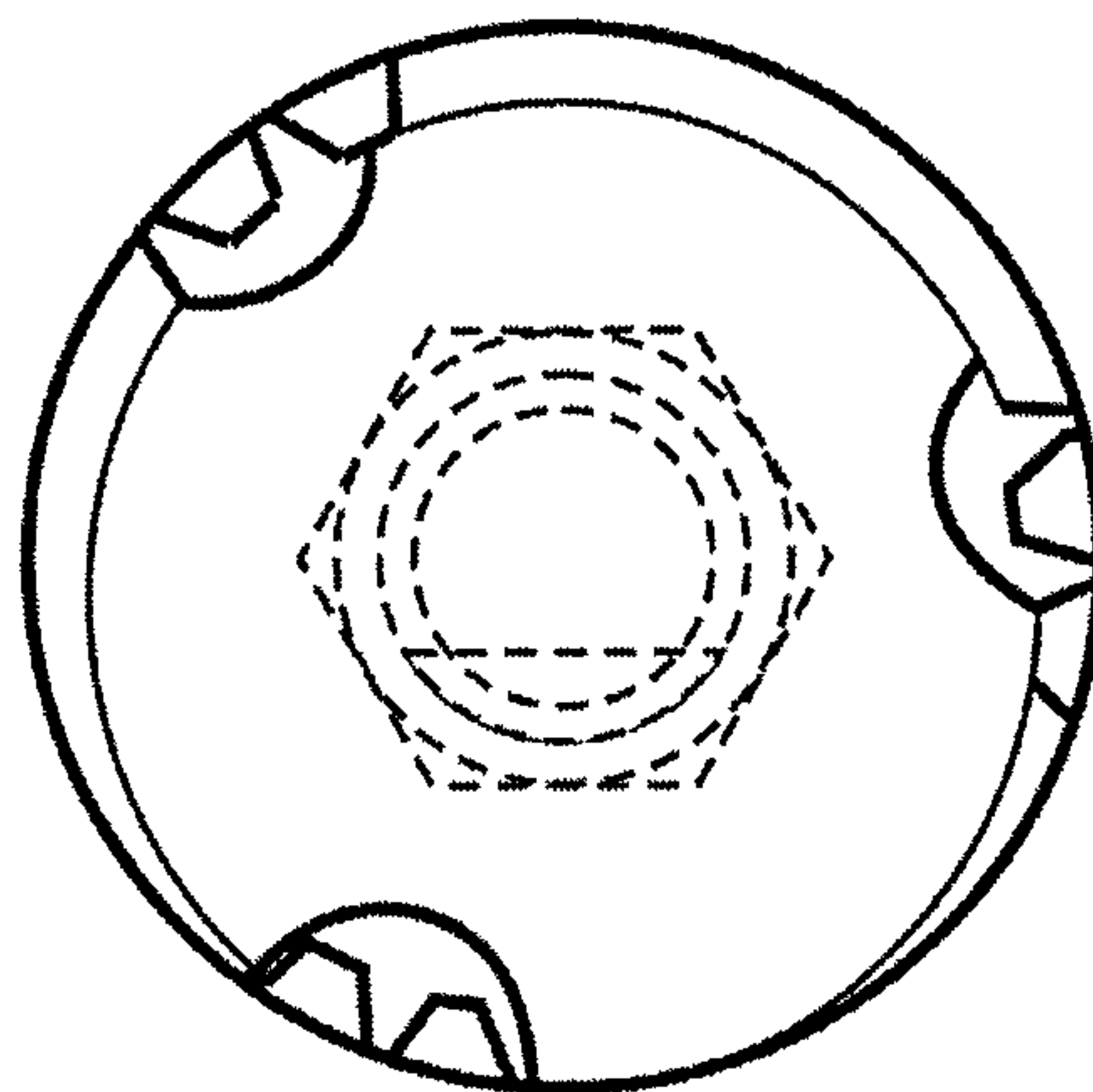


Fig .9



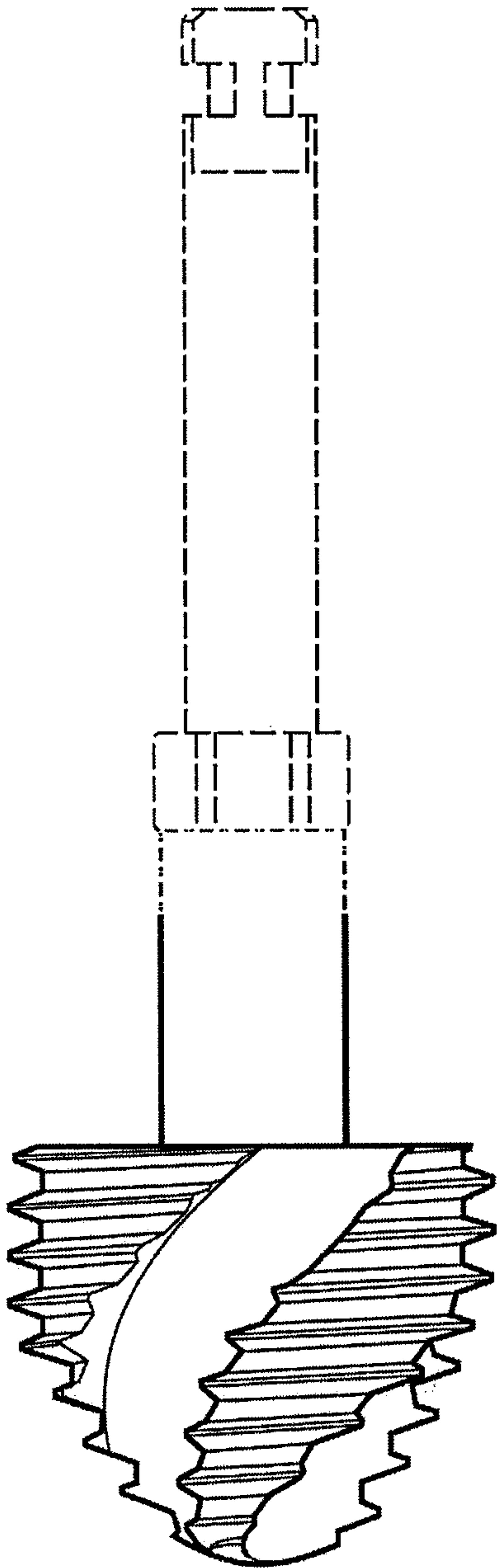


Fig .10

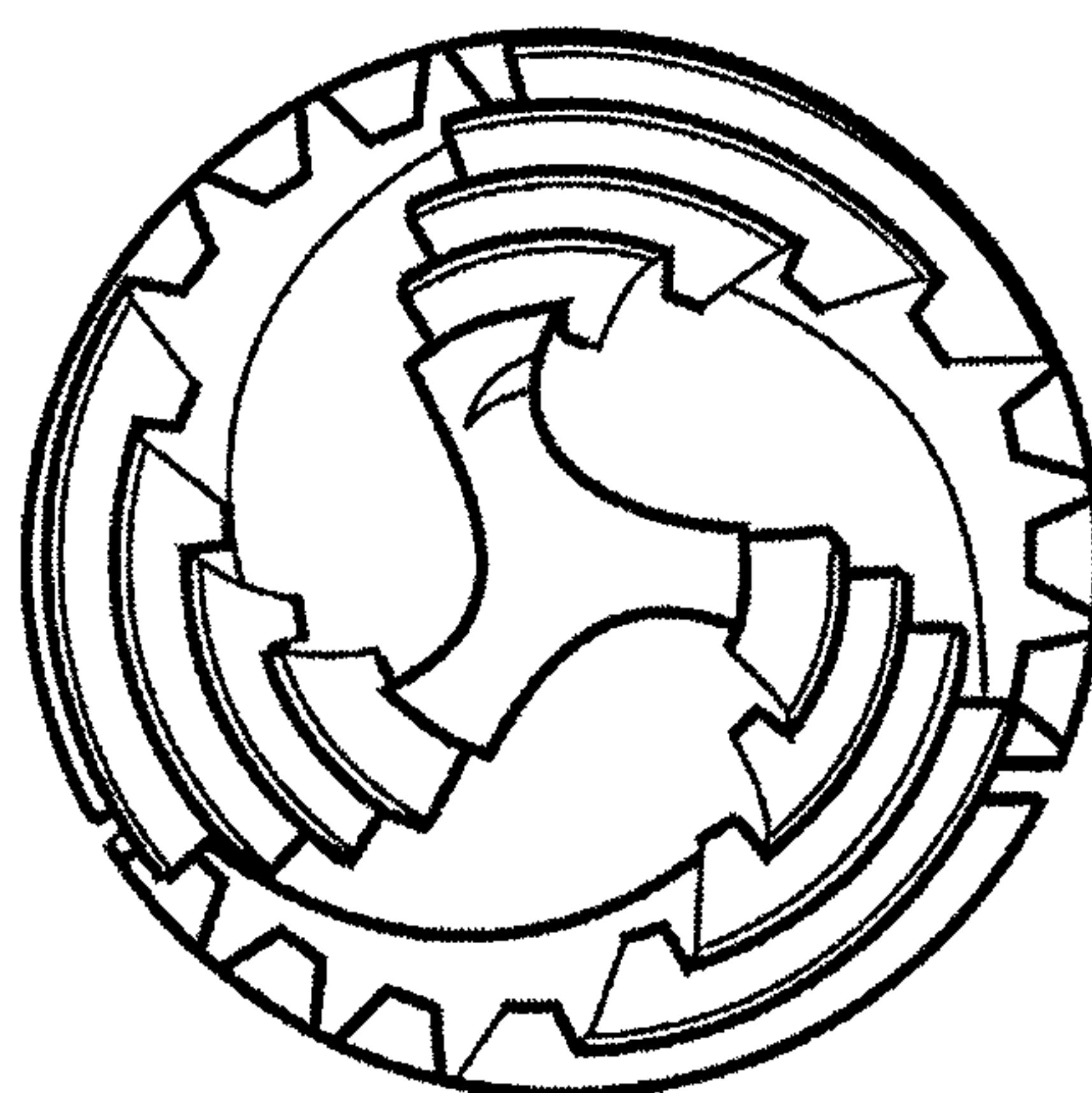


Fig .11

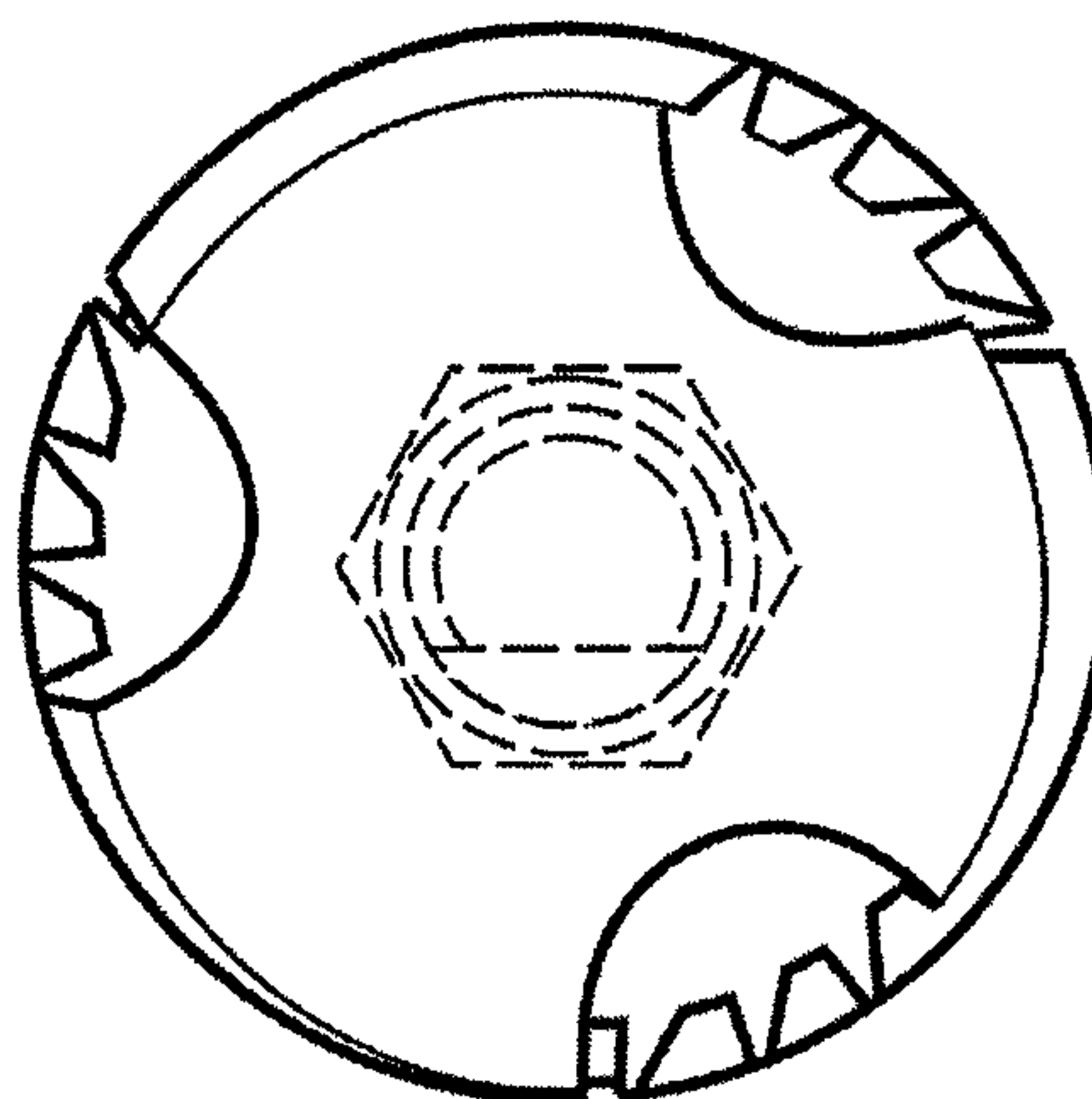


Fig .12

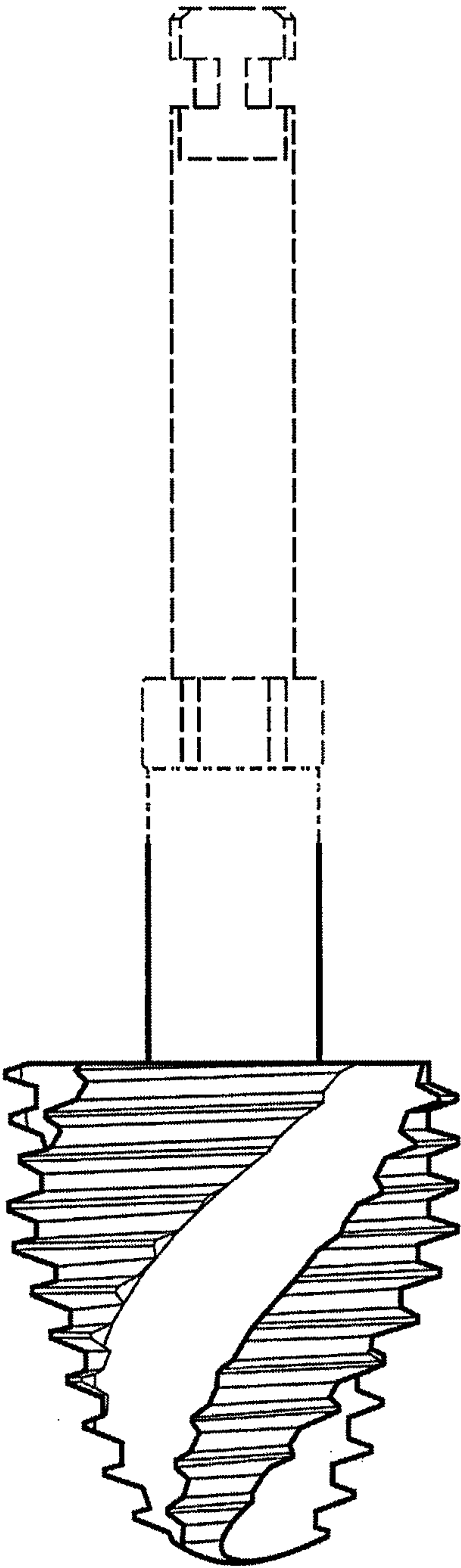


Fig .13

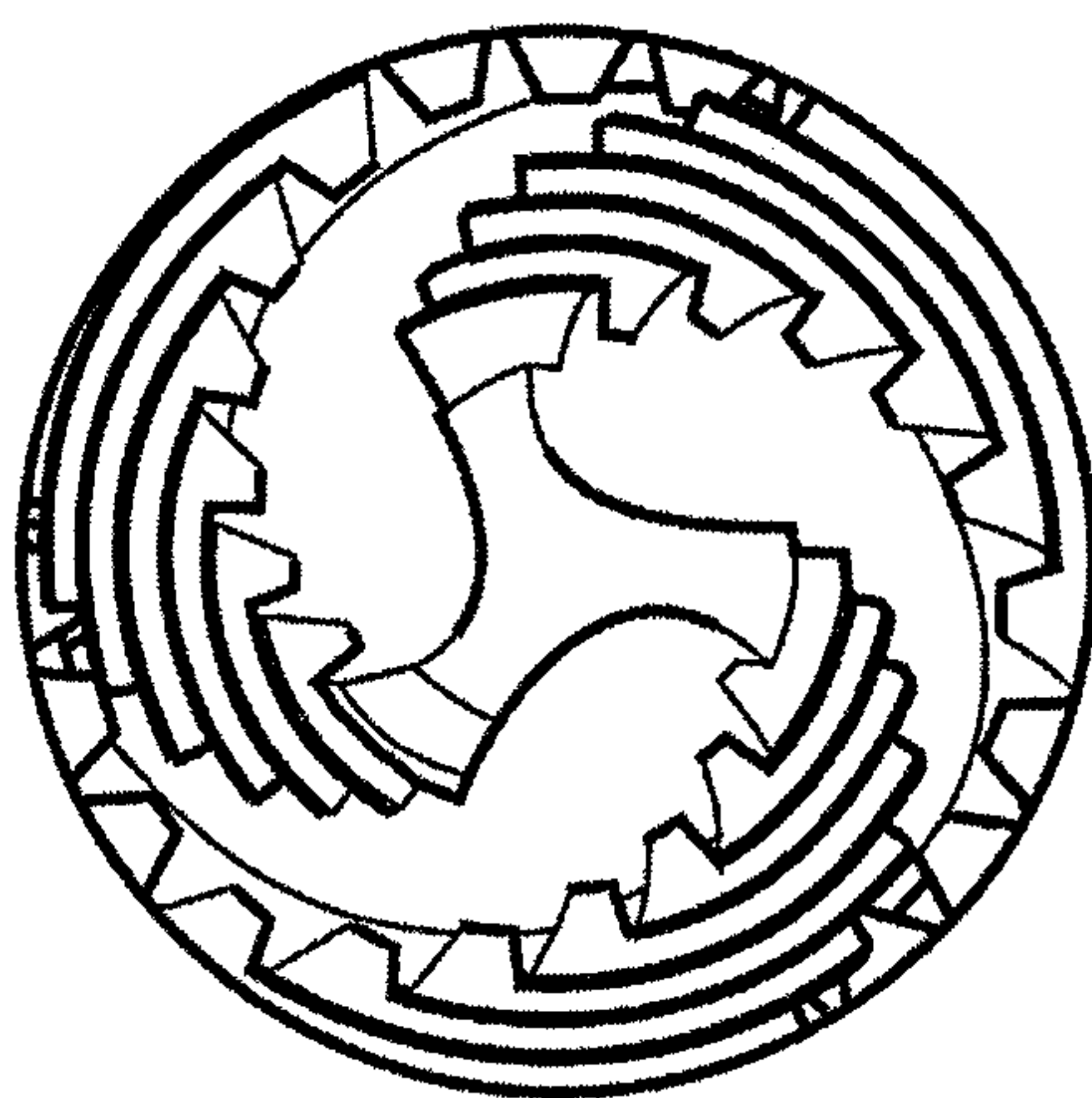


Fig .14

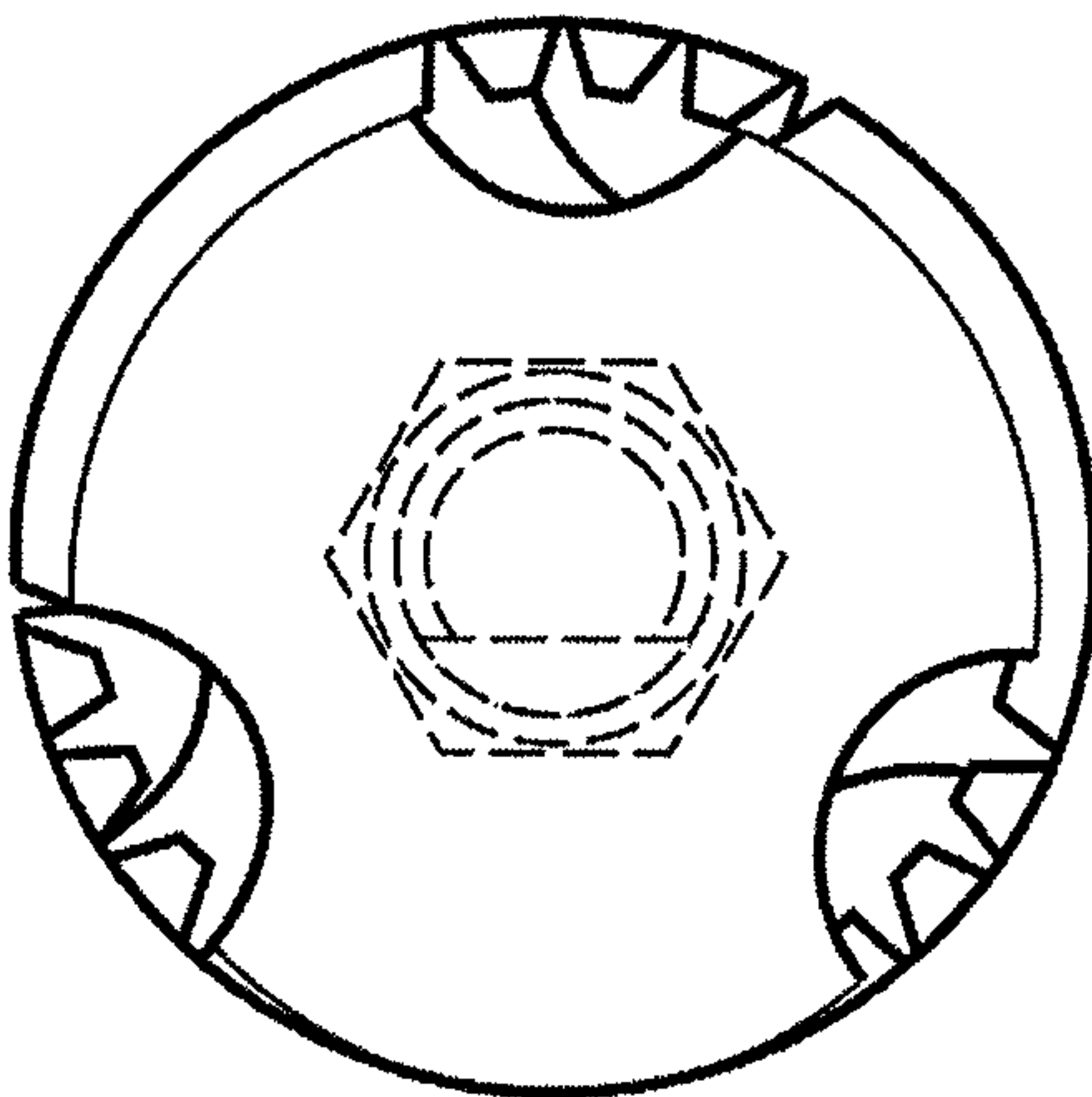


Fig .15

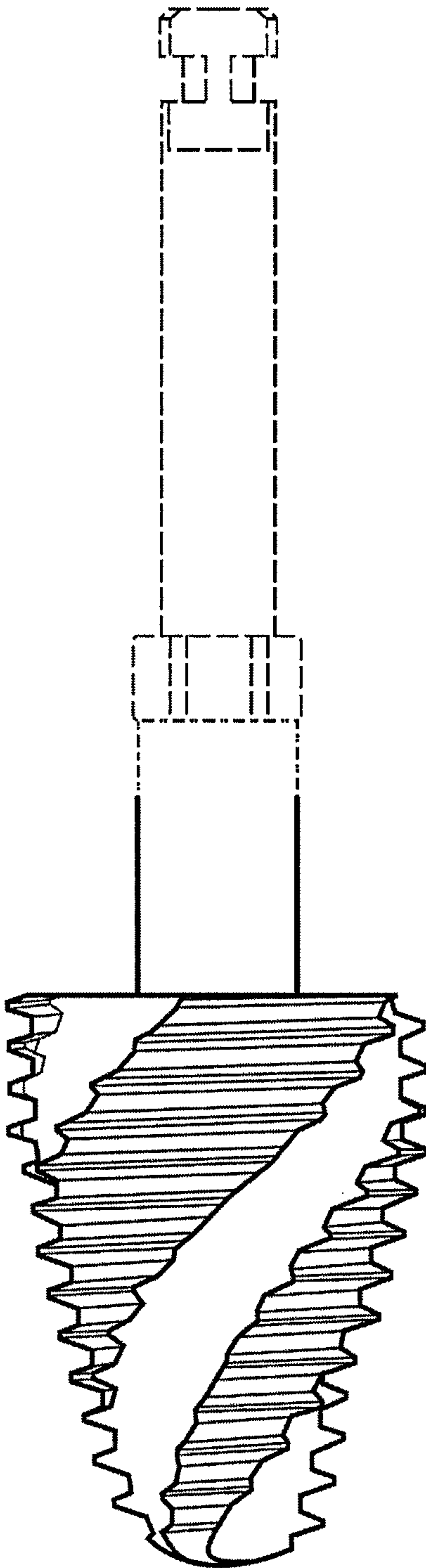


Fig .16

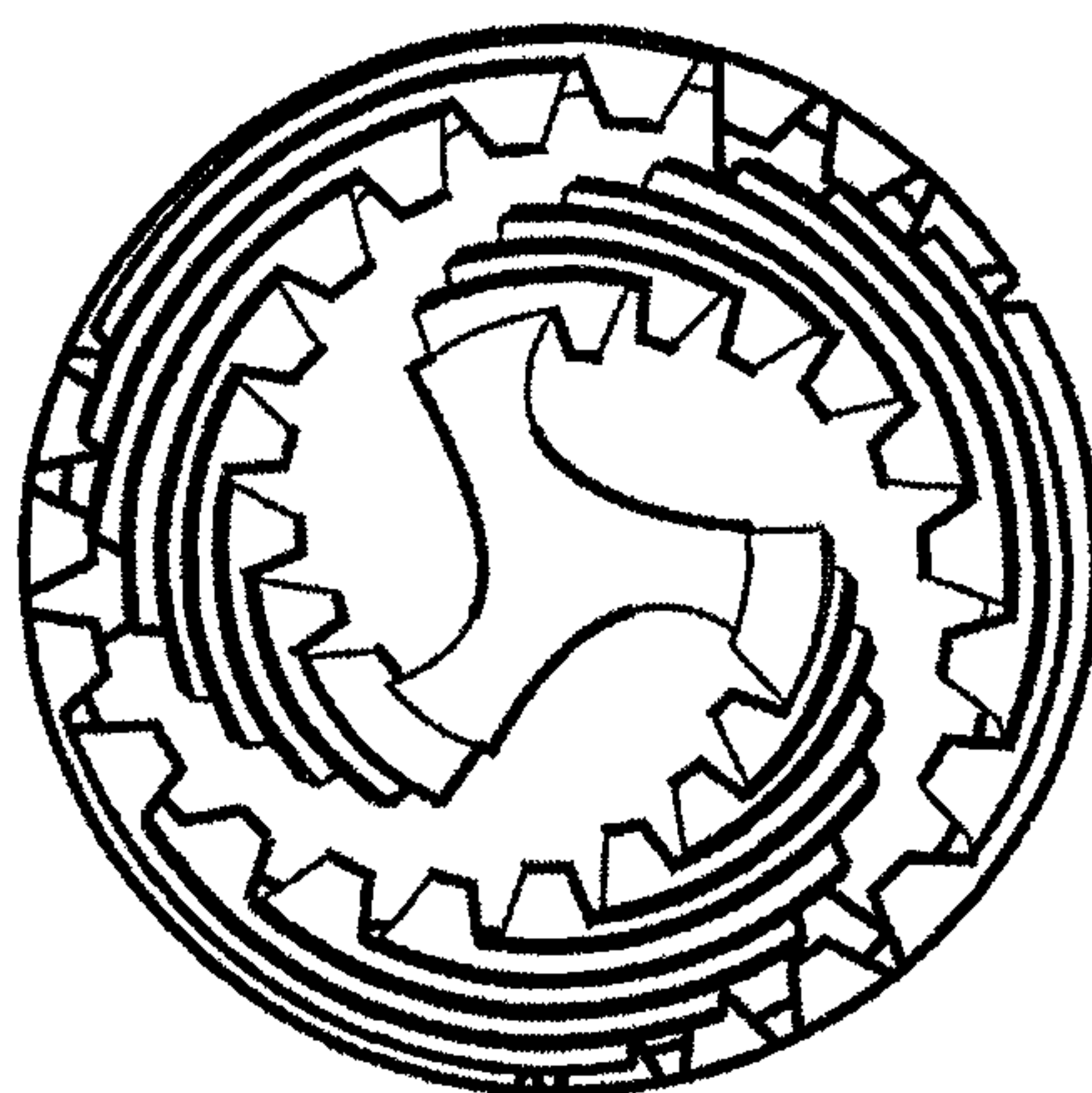


Fig .17

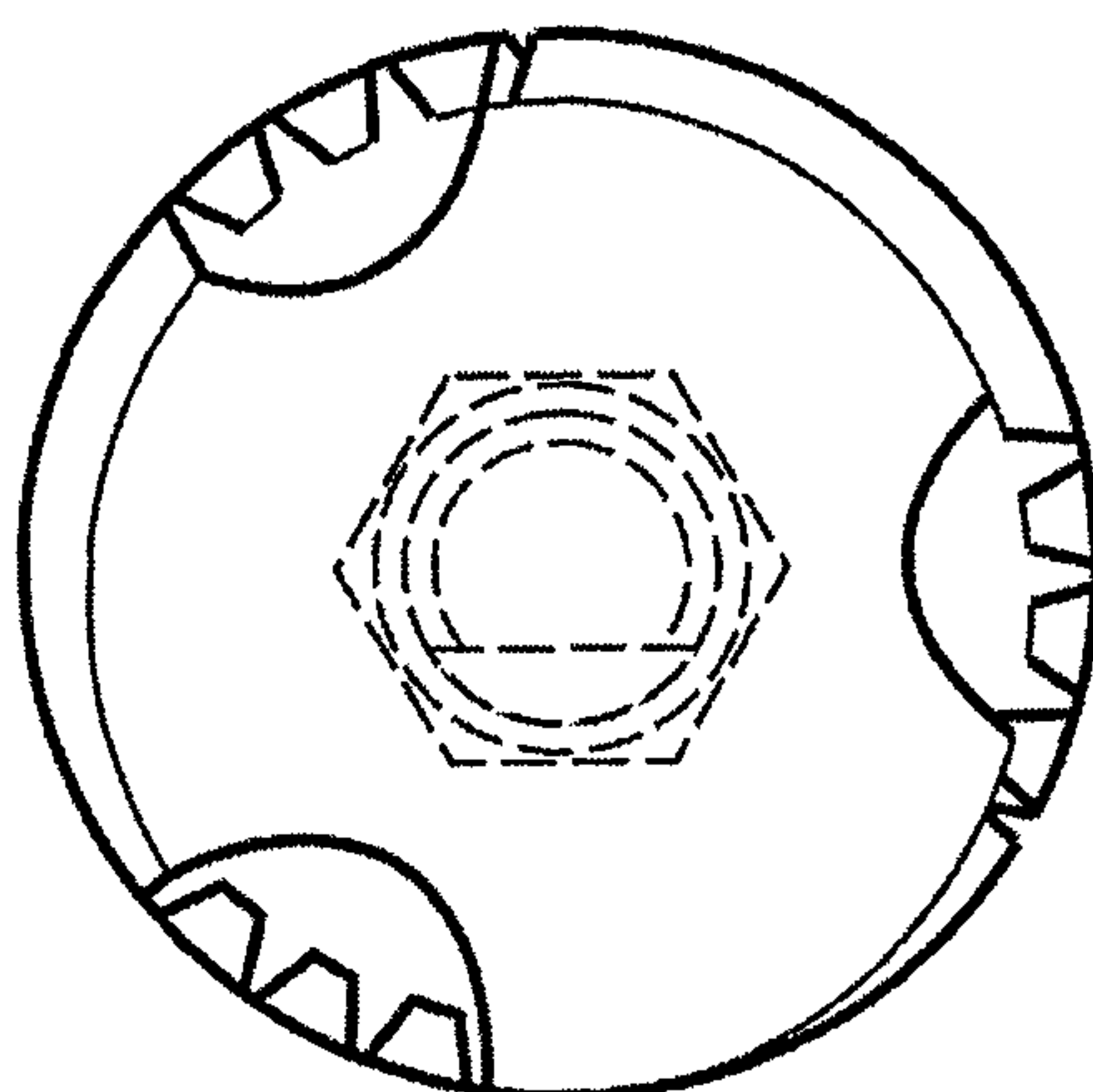


Fig .18



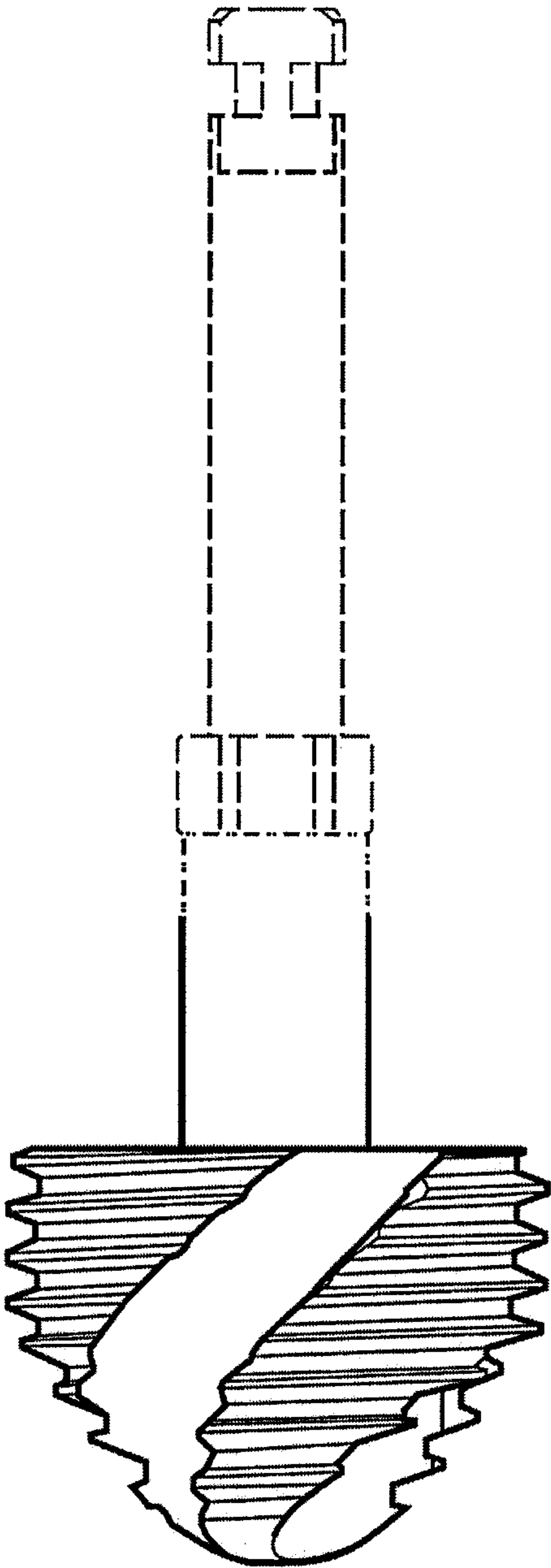


Fig .19

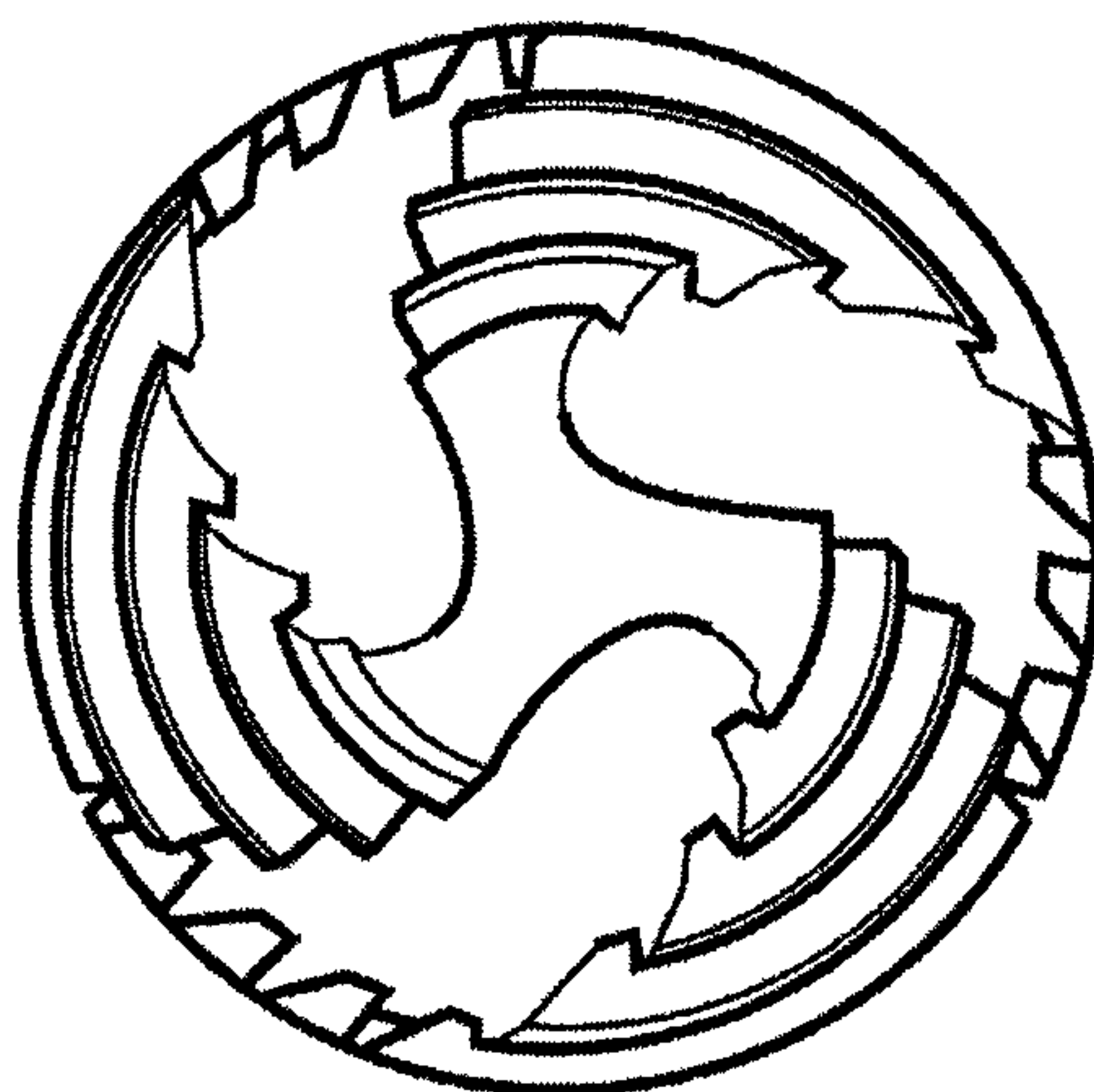


Fig .20

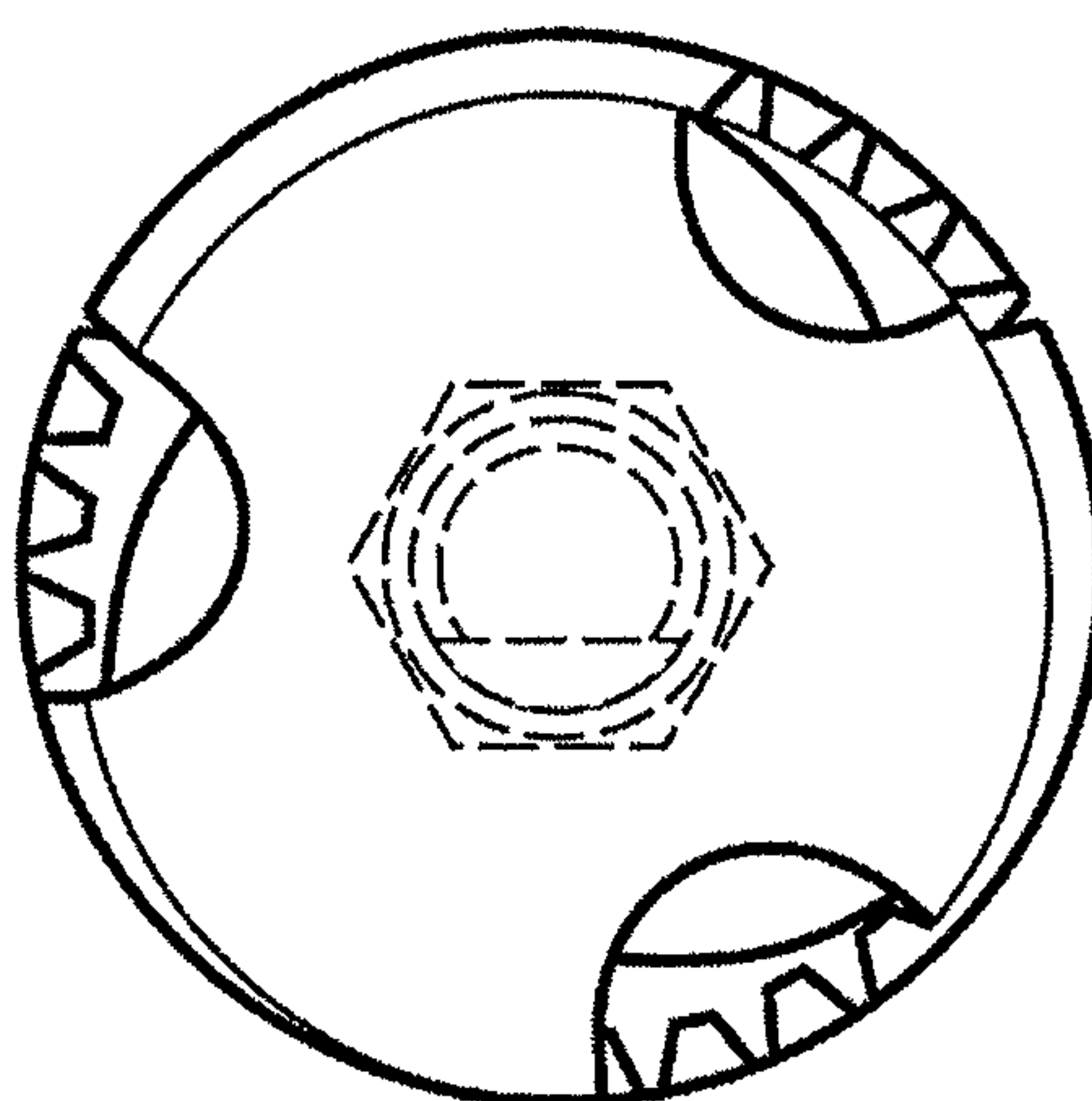


Fig .21

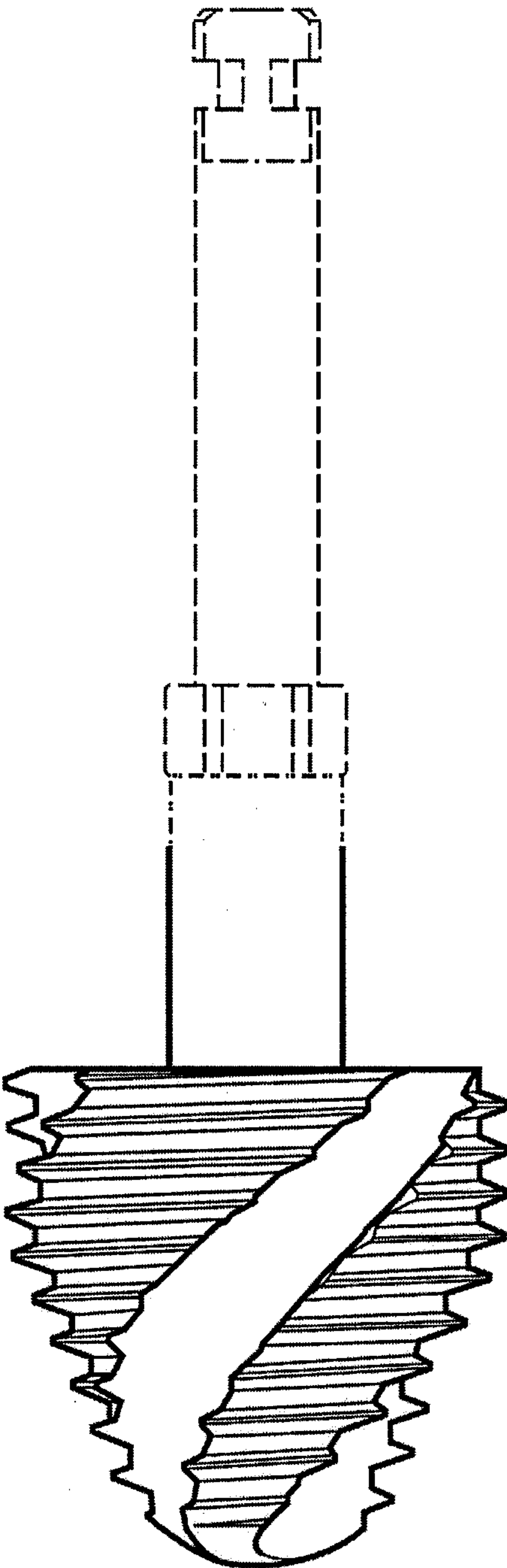


Fig .22

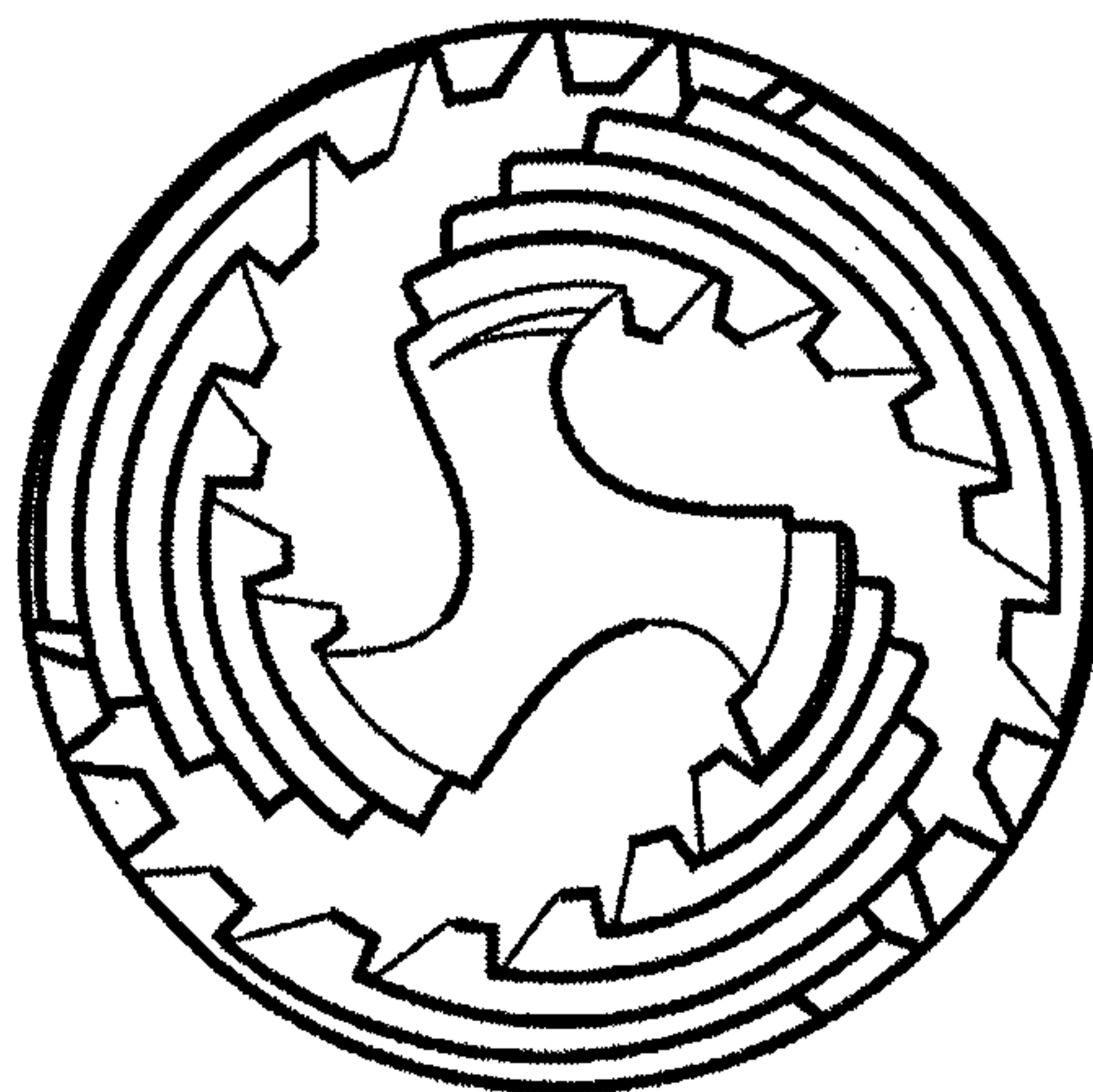


Fig .23

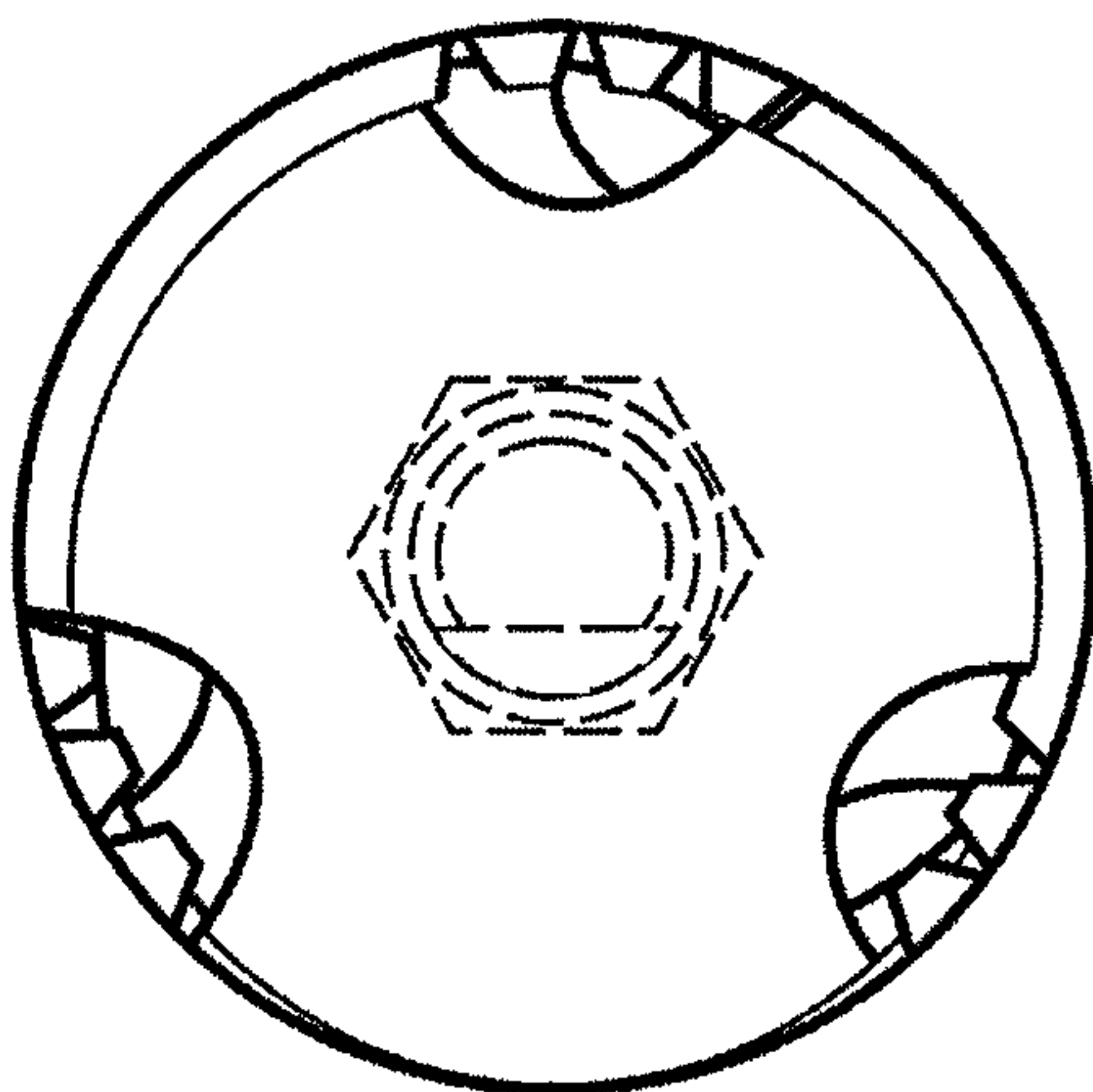


Fig .24

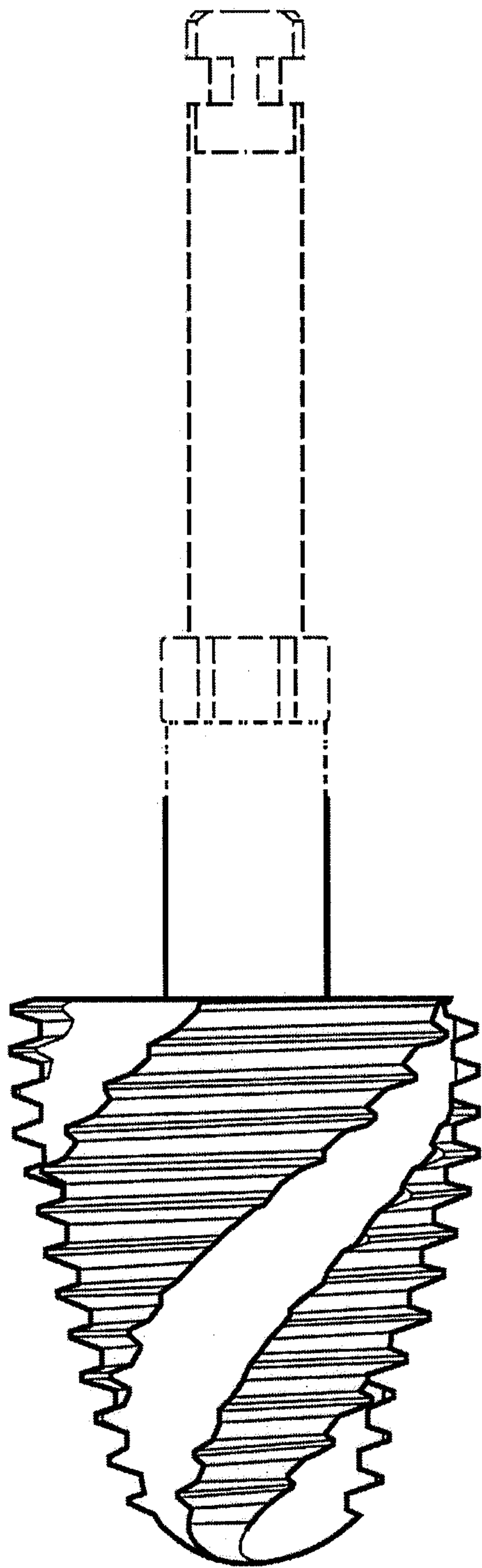


Fig .25

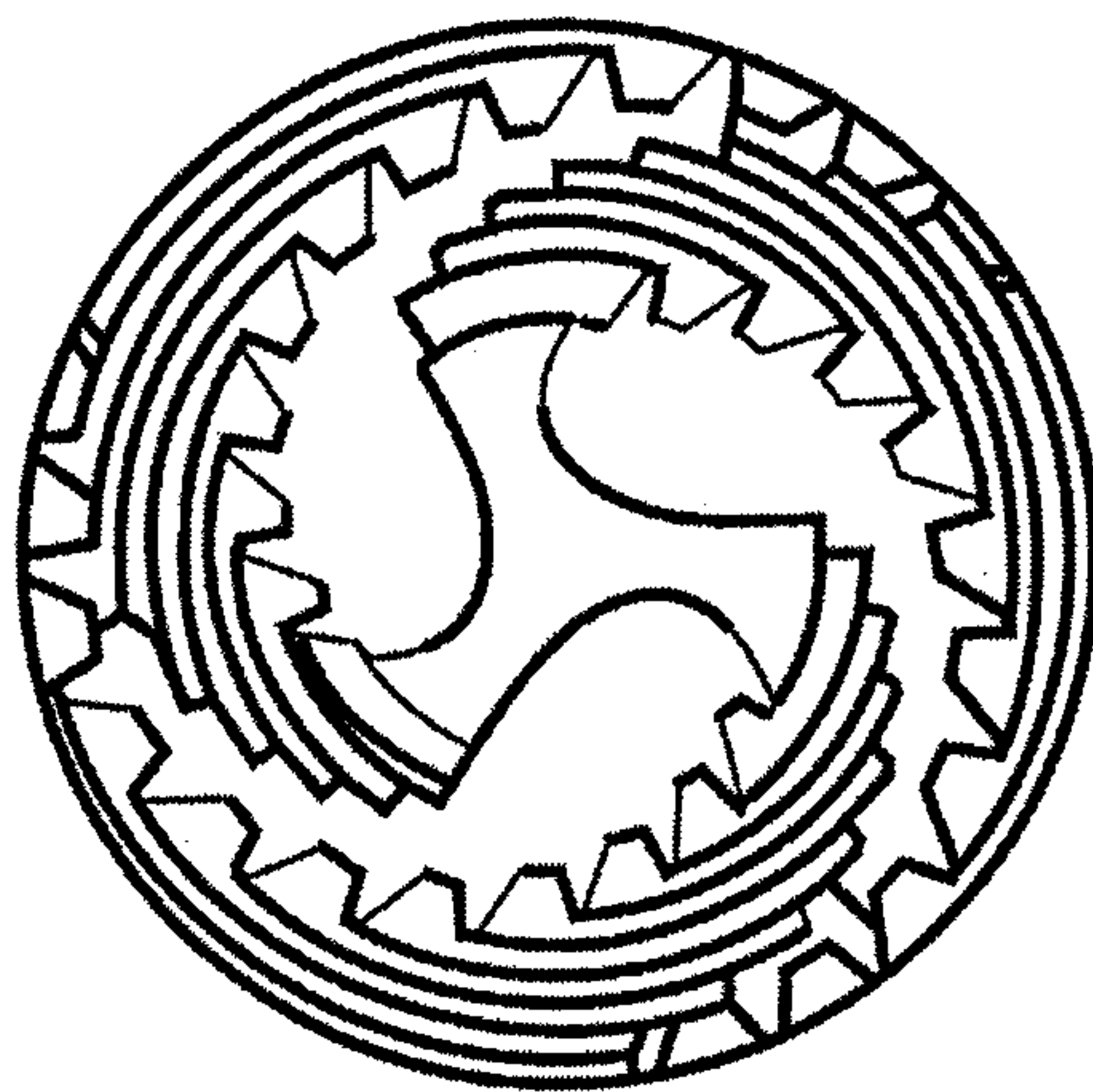


Fig .26

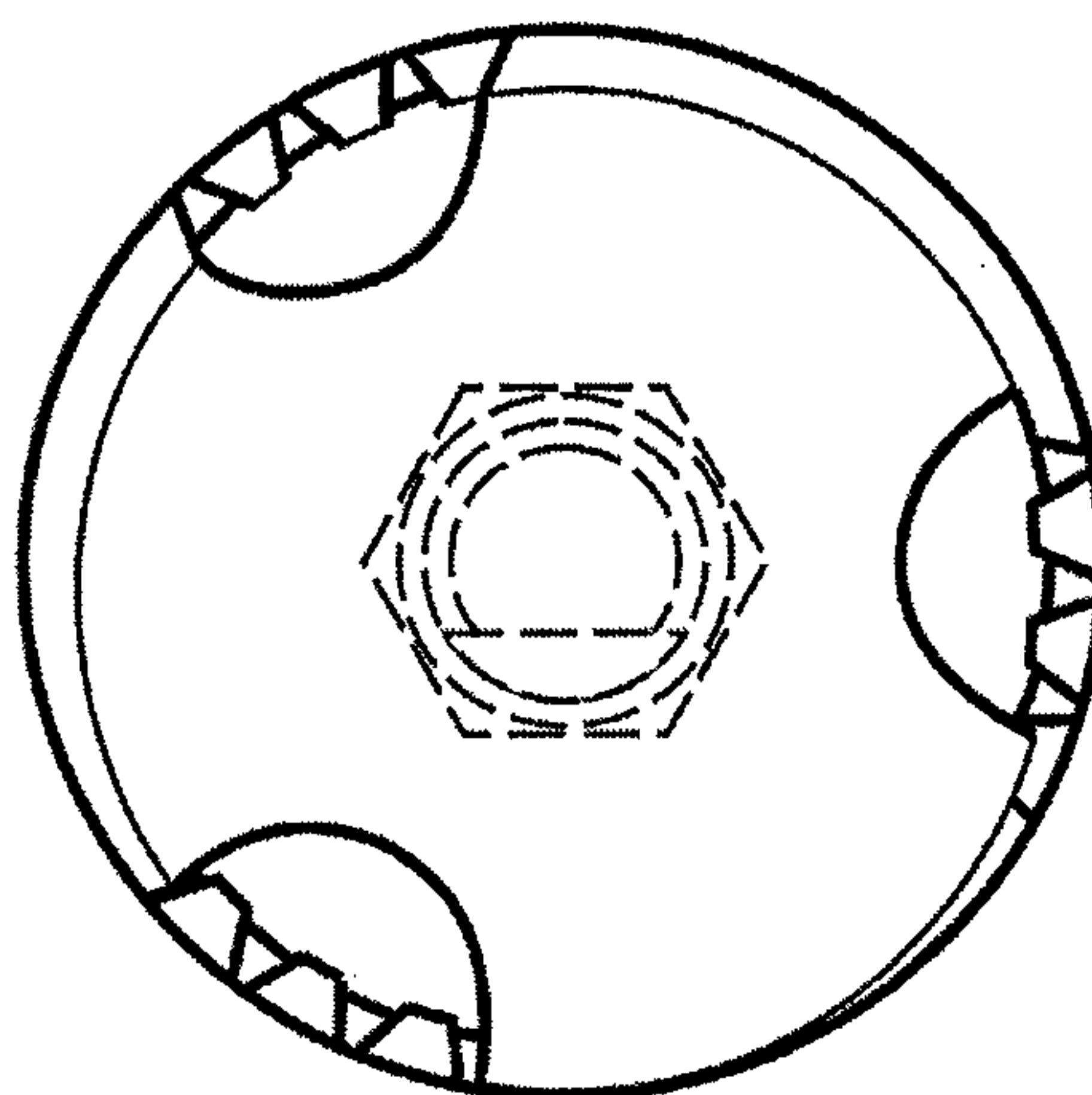


Fig .27