



US00D822389S

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

(10) **Patent No.:** **US D822,389 S**  
(45) **Date of Patent:** **\*\* Jul. 10, 2018**

- (54) **TOOTHBRUSH HANDLE**
- (71) Applicant: **Trisa Holding AG**, Triengen (CH)
- (72) Inventor: **Martin Zwimpfer**, Lucerne (CH)
- (73) Assignee: **Trisa Holding AG**, Triengen (CH)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/606,075**
- (22) Filed: **Jun. 1, 2017**
- (30) **Foreign Application Priority Data**

- D438,386 S \* 3/2001 Enriquez ..... D4/107
  - 6,202,242 B1 \* 3/2001 Salmon ..... A46B 5/00  
15/105
  - D457,727 S \* 5/2002 Ping ..... D4/104
  - D485,073 S \* 1/2004 Berde ..... D4/107
  - D485,074 S \* 1/2004 Berde ..... D21/632
  - 7,600,284 B2 \* 10/2009 Hui ..... A61C 17/225  
15/105
  - 7,917,986 B2 \* 4/2011 Jimenez ..... A46B 5/0095  
15/167.1
  - 8,387,197 B2 \* 3/2013 Moskovich ..... A46B 5/02  
15/143.1
  - 8,990,996 B2 \* 3/2015 Waguespack ..... A46B 5/021  
15/110
  - 9,044,083 B2 \* 6/2015 Nanda ..... A46B 9/04
- (Continued)

- Jan. 3, 2017 (WO) ..... 1843501
- (51) **LOC (11) Cl.** ..... **04-02**
- (52) **U.S. Cl.**  
USPC ..... **D4/107**
- (58) **Field of Classification Search**  
USPC ..... D4/100, 101, 102, 103, 104, 105, 106,  
D4/107, 108, 109, 110, 111, 112, 113,  
D4/114, 115, 116, 117, 118, 119, 120,  
D4/121, 122, 123, 134, 135, 126, 127,  
D4/128, 129, 130, 131, 132, 133, 136,  
D4/137, 138, 199; D24/194, 195  
CPC ..... A46B 9/02; A46B 9/04; A46B 15/0081;  
A46B 2200/1066; A46B 2200/1073;  
A46B 5/02; A46B 9/026; A46B 15/0087;  
A46B 15/0097  
See application file for complete search history.

**FOREIGN PATENT DOCUMENTS**

- CH 133229 10/2006
  - CH 134103 7/2007
- (Continued)

*Primary Examiner* — Karen E Eldridge Powers  
(74) *Attorney, Agent, or Firm* — Maier & Maier, PLLC

(57) **CLAIM**

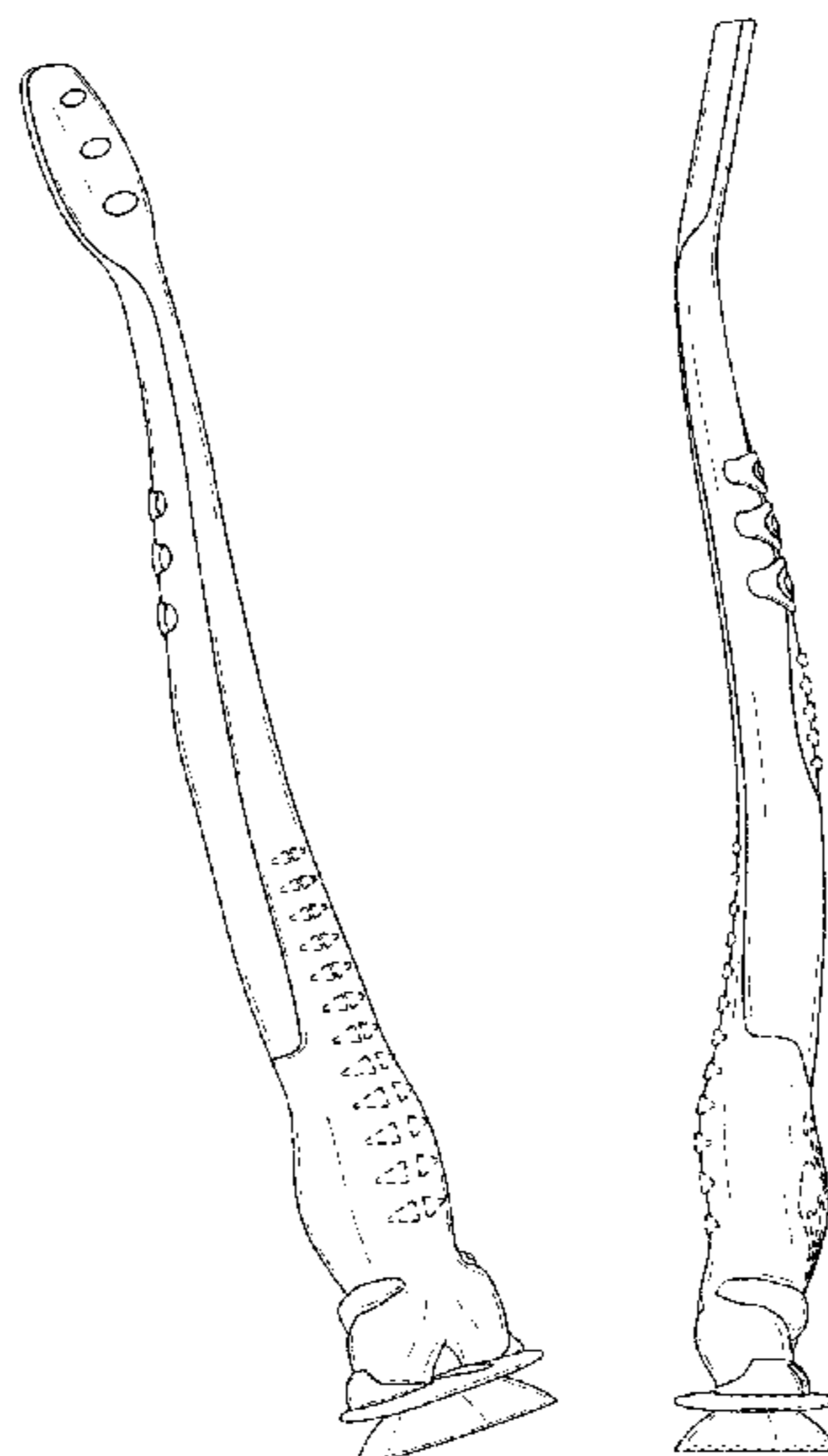
The ornamental design for a toothbrush handle, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a toothbrush handle; FIG. 2 is a rear perspective view thereof; FIG. 3 is a front elevation view thereof; FIG. 4 is a rear elevation view thereof; FIG. 5 is a left elevation view thereof; FIG. 6 is a right elevation view thereof; FIG. 7 is a top plan view thereof; and, FIG. 8 is a bottom plan view thereof. The broken lines in the drawings illustrate portions of the toothbrush handle that form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**

- (56) **References Cited**  
U.S. PATENT DOCUMENTS
- D269,126 S \* 5/1983 Jedzinak ..... D28/7
- D272,583 S \* 2/1984 McAlpine ..... D4/108
- D337,890 S \* 8/1993 Haddad ..... D4/107
- D347,146 S \* 5/1994 Harrison ..... D4/107
- D370,147 S \* 5/1996 Petronio ..... D30/129
- D402,119 S \* 12/1998 Landauer ..... D4/107



(56)

**References Cited**

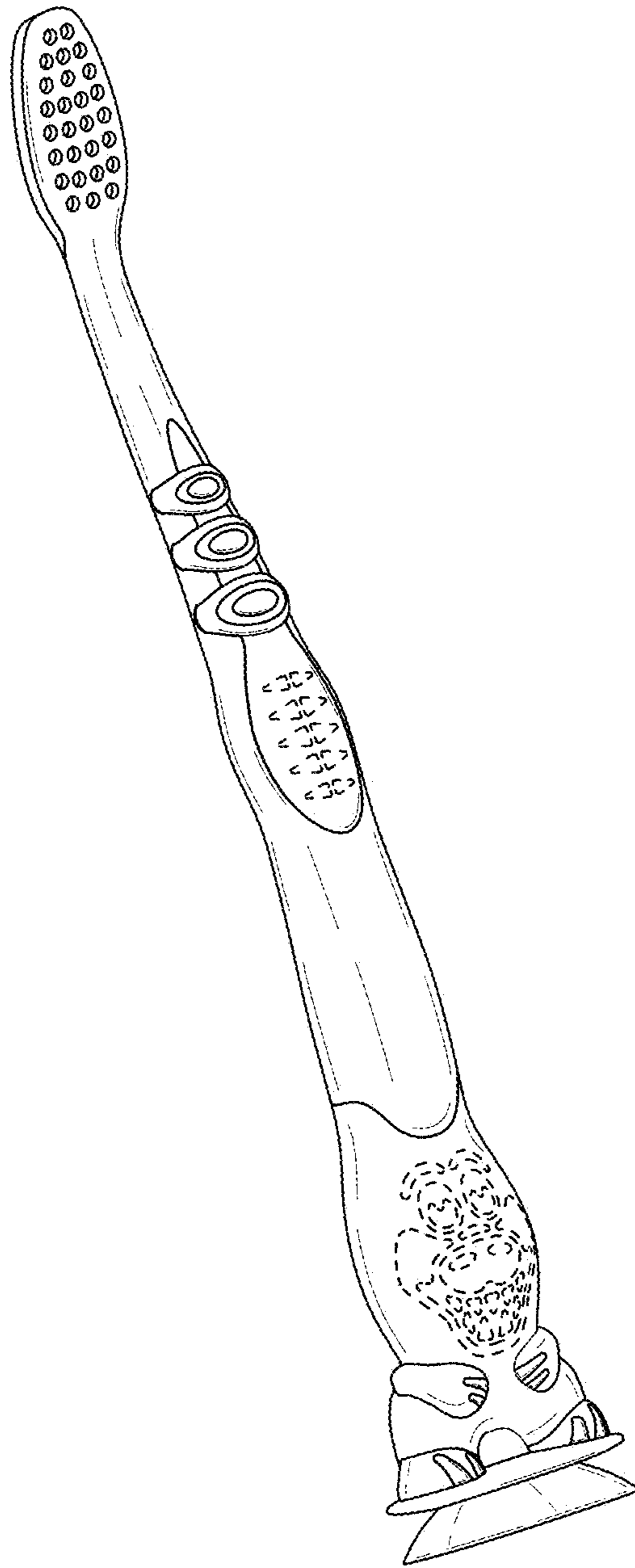
U.S. PATENT DOCUMENTS

D747,882 S \* 1/2016 Blachford ..... D4/107  
9,301,823 B2 \* 4/2016 Jimenez ..... A61C 17/3481  
D801,697 S \* 11/2017 Zwimpfer ..... D4/104  
2002/0100134 A1 \* 8/2002 Dunn ..... A46B 5/00  
15/167.1  
2003/0088933 A1 \* 5/2003 Woods ..... A46B 5/00  
15/167.1

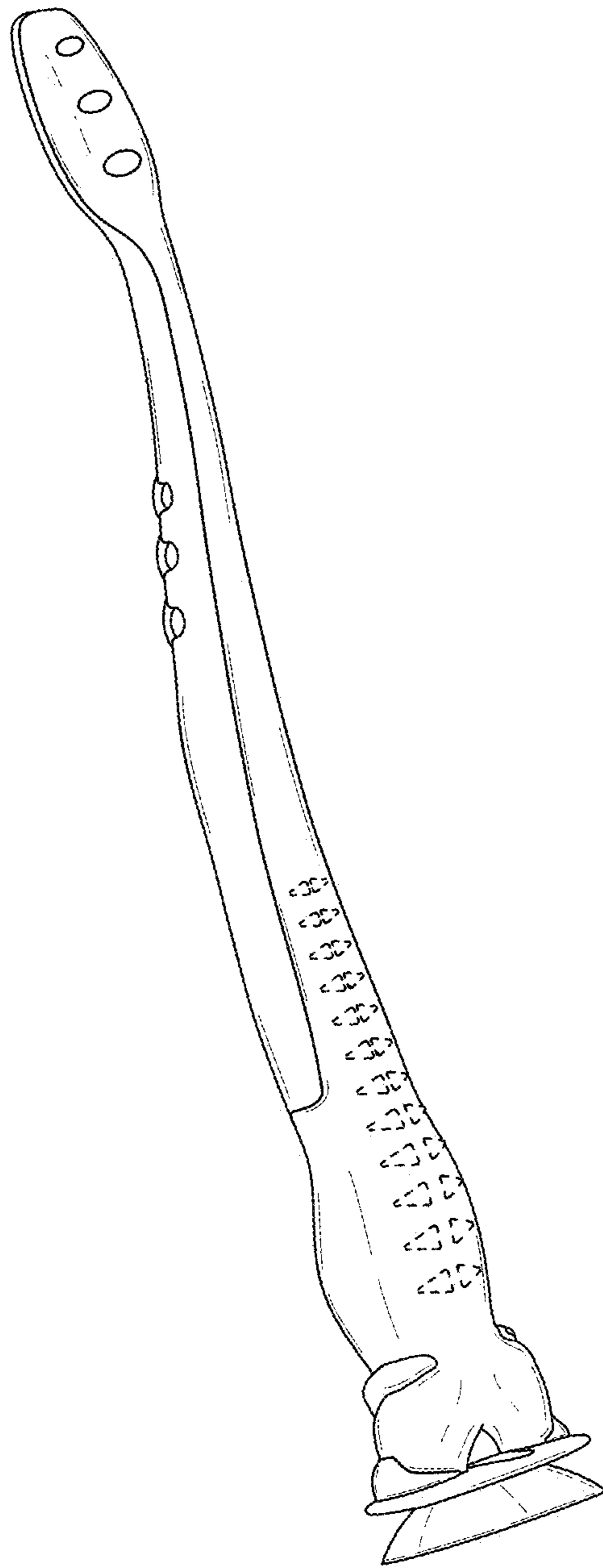
FOREIGN PATENT DOCUMENTS

CN 3420574 \* 1/2005  
CN 301480033 \* 3/2011  
CN 301950650 \* 6/2012  
CN 302635897 \* 11/2013  
CN 302891545 \* 7/2014  
CN 304361416 \* 11/2017  
EM 000674270-0003 \* 2/2008  
EM 000989157-0002 \* 9/2008  
EP 3117739 \* 1/2017  
IL 56366 \* 11/2015  
WO DM/050 093 8/1999  
WO DM/056 997 3/2001  
WO DM/079 739 11/2012  
WO DM/087 492 9/2015

\* cited by examiner



*Fig. 1*



*Fig. 2*

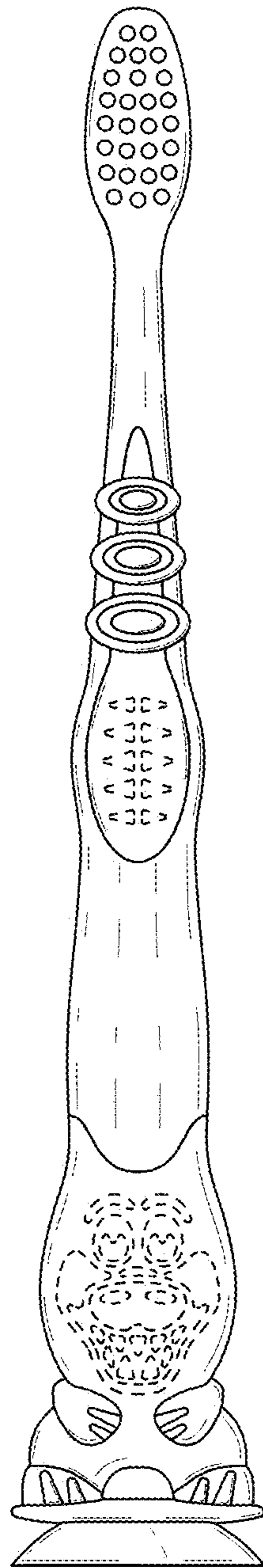


Fig. 3

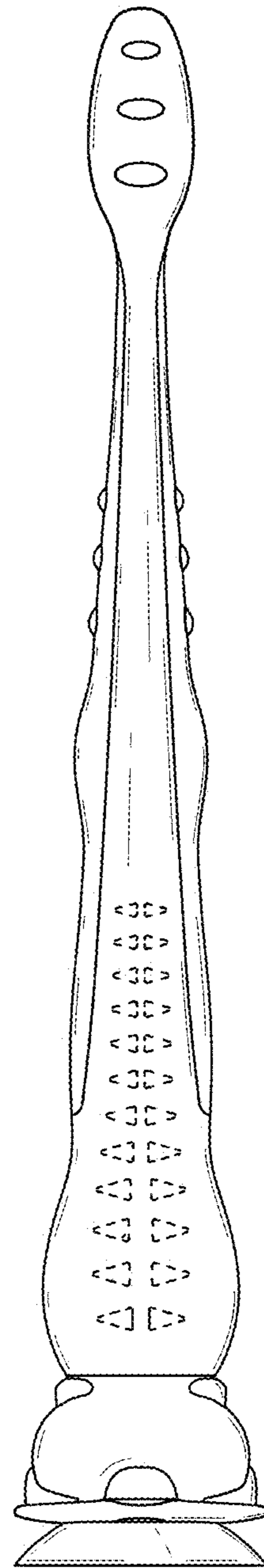
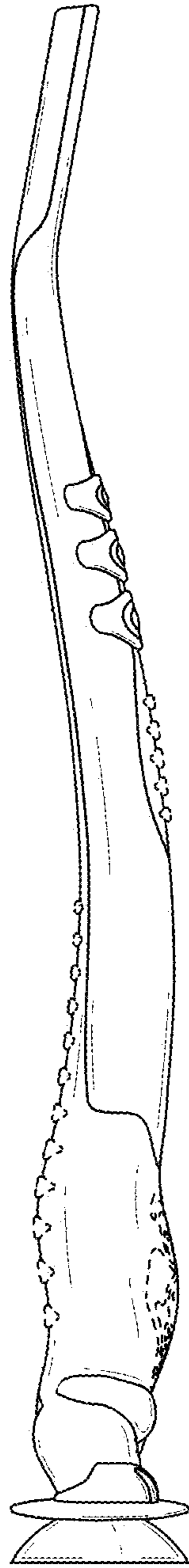
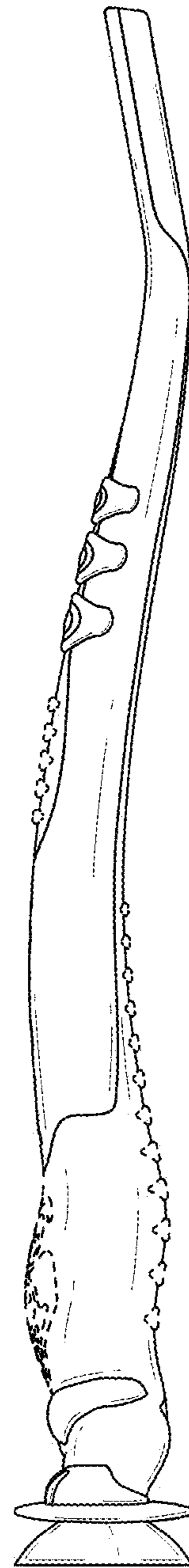


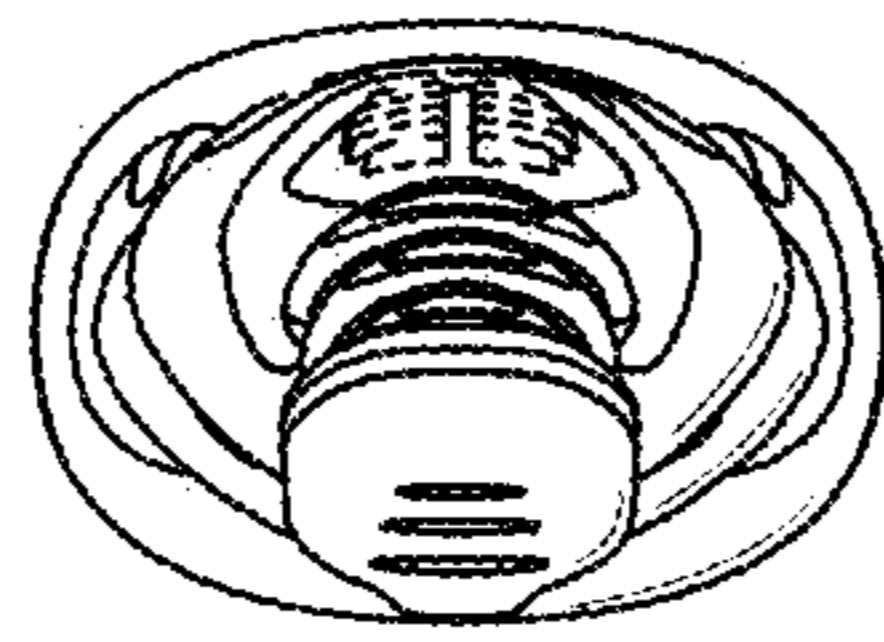
Fig. 4



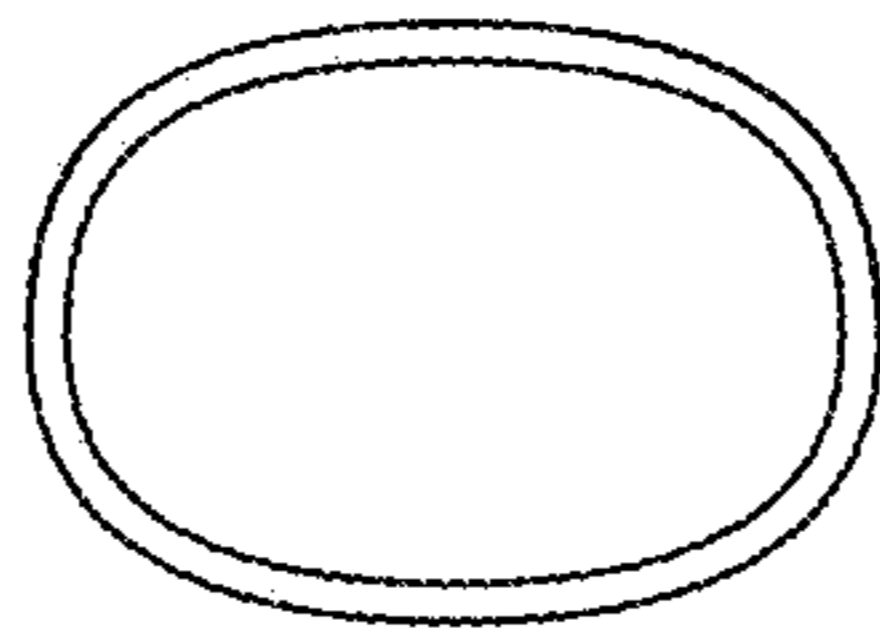
*Fig. 5*



*Fig. 6*



*Fig. 7*



*Fig. 8*