

US00D571479S

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

(10) **Patent No.:** **US D571,479 S**  
(45) **Date of Patent:** **\*\* Jun. 17, 2008**

(54) **RED MIXING TIP SHAFT**

EP 0971787 B1 8/2002  
EP 1149627 B1 8/2004

(75) Inventor: **Ingo W. Wagner**, Woerthsee (DE)

**OTHER PUBLICATIONS**

(73) Assignee: **3M Innovative Properties Company**,  
St. Paul, MN (US)

Color photograph (one page) of a Penta Mixing Tip, 3M ESPE Item # 71510 (white mixing tip shaft), which was made commercially available by 3M ESPE Dental Products prior to Sep. 20, 2004.

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

Color photograph (one page) of a MixPac Systems AG dynamic mixing tip (blue mixing tip shaft), which was publicly available prior to Sep. 20, 2004.

(21) Appl. No.: **29/224,548**

Color photograph (one page) of a Heraeus Kulzer GmbH dynamic mixing tip (grey mixing tip shaft), which was publicly available prior to Sep. 20, 2004.

(22) Filed: **Mar. 3, 2005**

Color photograph (one page) of a Heraeus Kulzer GmbH dynamic mixing tip (blue mixing tip shaft), which was publicly available prior to Sep. 20, 2004.

(30) **Foreign Application Priority Data**

Sep. 20, 2004 (EM) ..... 000228275-0001

(Continued)

(51) **LOC (8) Cl.** ..... **24-02**

(52) **U.S. Cl.** ..... **D24/220**

(58) **Field of Classification Search** ..... D24/216-230;  
222/145.6; 366/602, 318, 320, 339, 336,  
366/181.5; D7/379

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See application file for complete search history.

(57) **CLAIM**

(56) **References Cited**

The ornamental design for a red mixing tip shaft, as shown and described.

**U.S. PATENT DOCUMENTS**

**DESCRIPTION**

- D269,039 S \* 5/1983 Klein ..... D24/221
- D290,395 S \* 6/1987 Stevens et al. .... D24/220
- 5,249,862 A \* 10/1993 Herold et al. .... 222/145.6
- 6,244,740 B1 \* 6/2001 Wagner et al. .... 366/181.5
- 6,394,643 B1 \* 5/2002 Bublewitz et al. .... 366/312
- 6,443,612 B1 \* 9/2002 Keller ..... 222/145.6
- 6,523,992 B1 \* 2/2003 Bublewitz et al. .... 222/145.6
- D474,271 S \* 5/2003 Iori et al. .... D24/119
- D483,495 S 12/2003 Sand ..... D24/220
- 6,837,612 B2 \* 1/2005 Bublewitz et al. .... 222/145.6
- 2001/0005338 A1 \* 6/2001 Muhlbauer et al. .... 366/307
- 2002/0175186 A1 11/2002 Keller
- 2003/0137898 A1 \* 7/2003 Wagner et al. .... 222/145.6
- 2004/0085854 A1 \* 5/2004 Pauser et al. .... 222/145.6

FIG. 1 is a perspective view of red mixing tip shaft showing my new design;

FIG. 2 is a front elevation view thereof, the rear elevation view being identical;

FIG. 3 is a side elevation view thereof, the other side being identical;

FIG. 4 is a top plan view thereof; and,

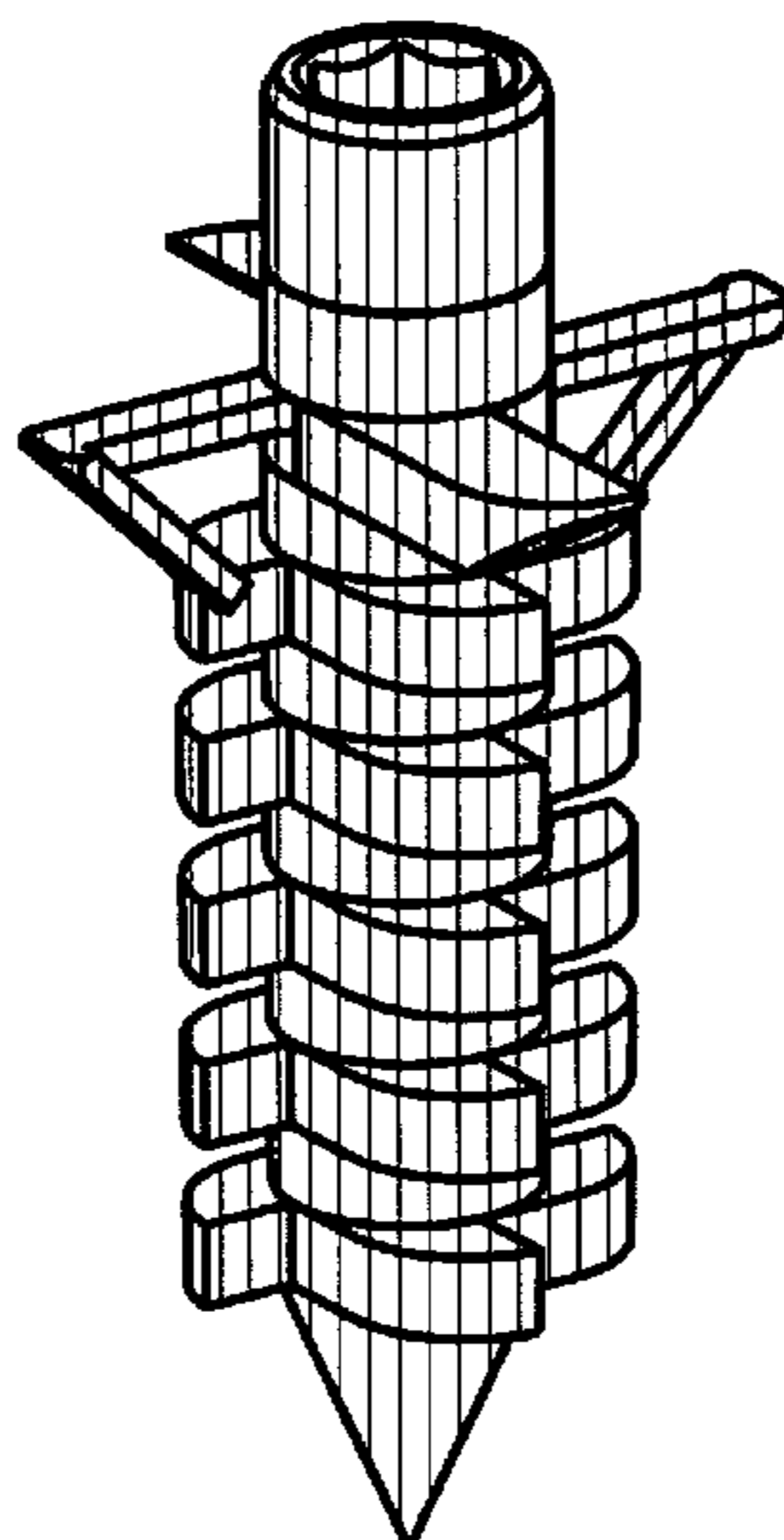
FIG. 5 is a bottom plan view thereof.

The drawings are lined for color. The following explanation of the color is provided for clarity. The lining in all views represents red.

**FOREIGN PATENT DOCUMENTS**

DE 20302987 U1 5/2003

**1 Claim, 1 Drawing Sheet**



OTHER PUBLICATIONS

Color photograph (one page) of a Heraeus Kulzer GmbH dynamic mixing tip (white mixing tip shaft), which was publicly available prior to Sep. 20, 2004.

Color photograph (one page) of a Kettenbach GmbH & Co. KG Panasil Binetics Putty Dynamic Mixer Mixing Tip (white mixing tip shaft), which was publicly available prior to Sep. 20, 2004.

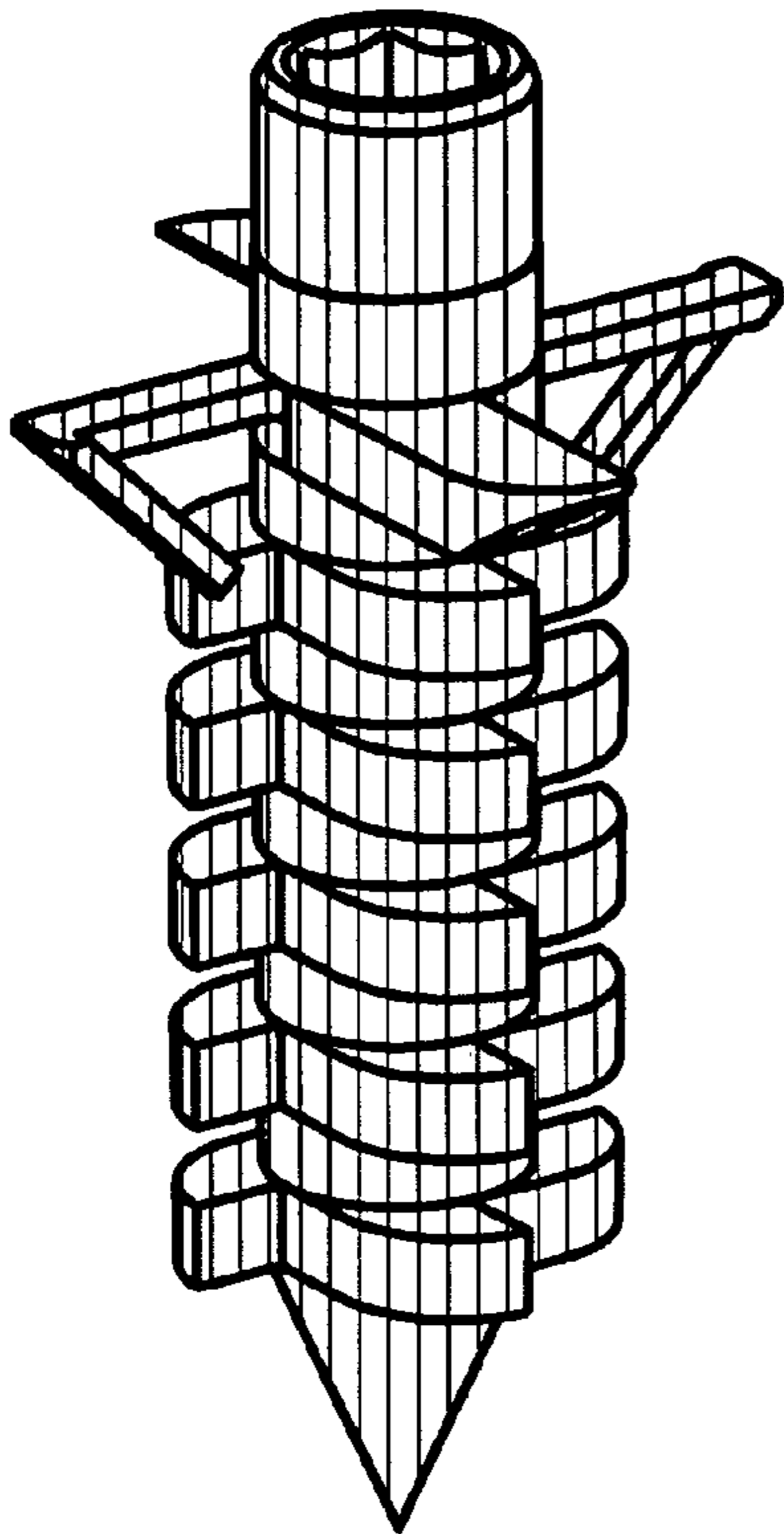
Color photograph (one page) of a Kettenbach GmbH & Co. KG dynamic mixing tip (white mixing tip shaft), which was publicly available prior to Sep. 20, 2004.

Color photograph (one page) of a Kettenbach GmbH & Co. KG dynamic mixing tip (grey mixing tip shaft), which was publicly available prior to Sep. 20, 2004.

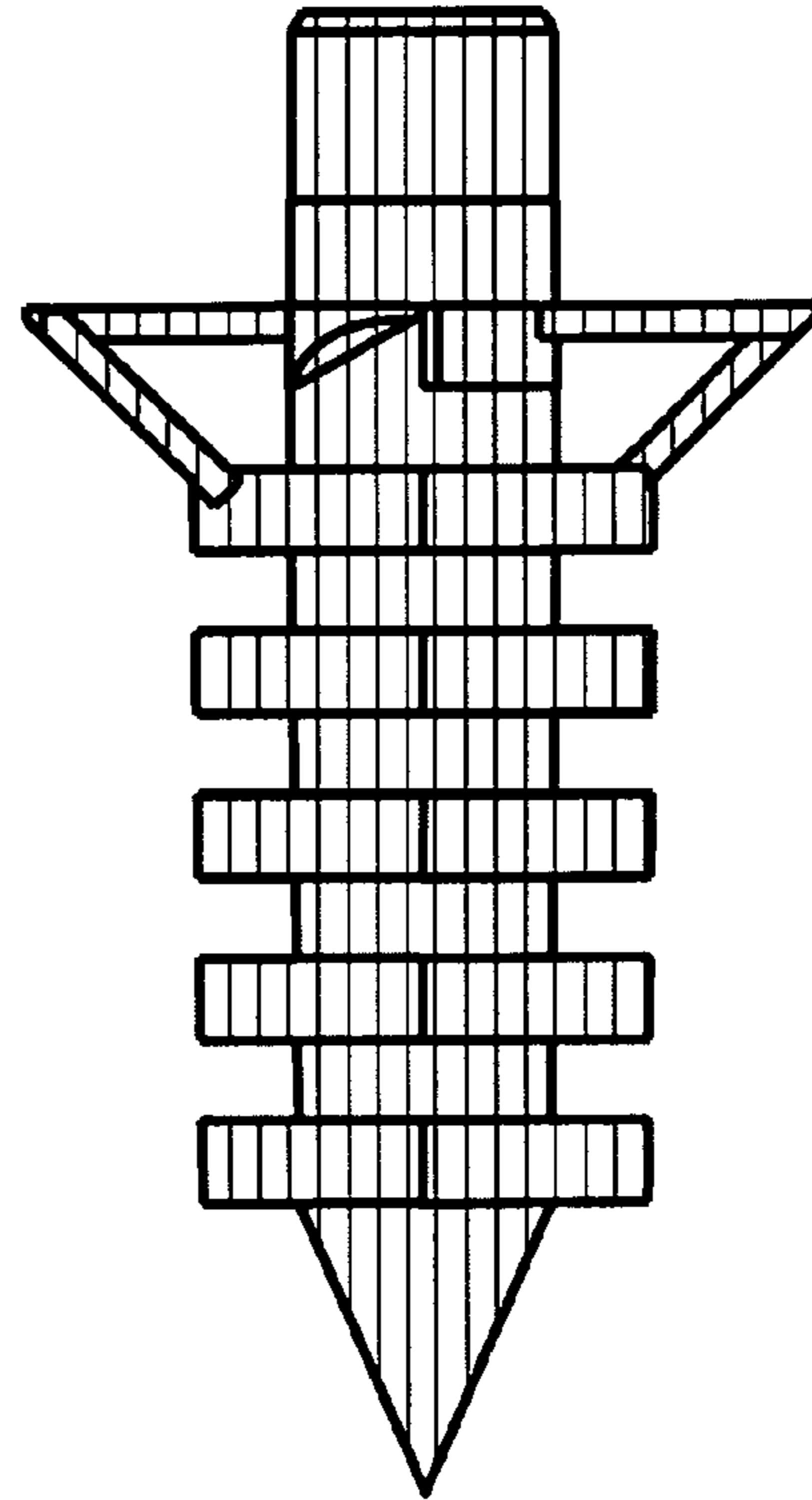
Color photograph (one page) of a DMG Chemisch-Pharmazeutische Fabrik GmbH dynamic mixing tip, which was publicly available prior to Sep. 20, 2004.

Color photograph (one page) of a DMG Chemisch-Pharmazeutische Fabrik GmbH Honigum—Heavy, MixStar Tip, which was publicly available prior to Sep. 20, 2004.

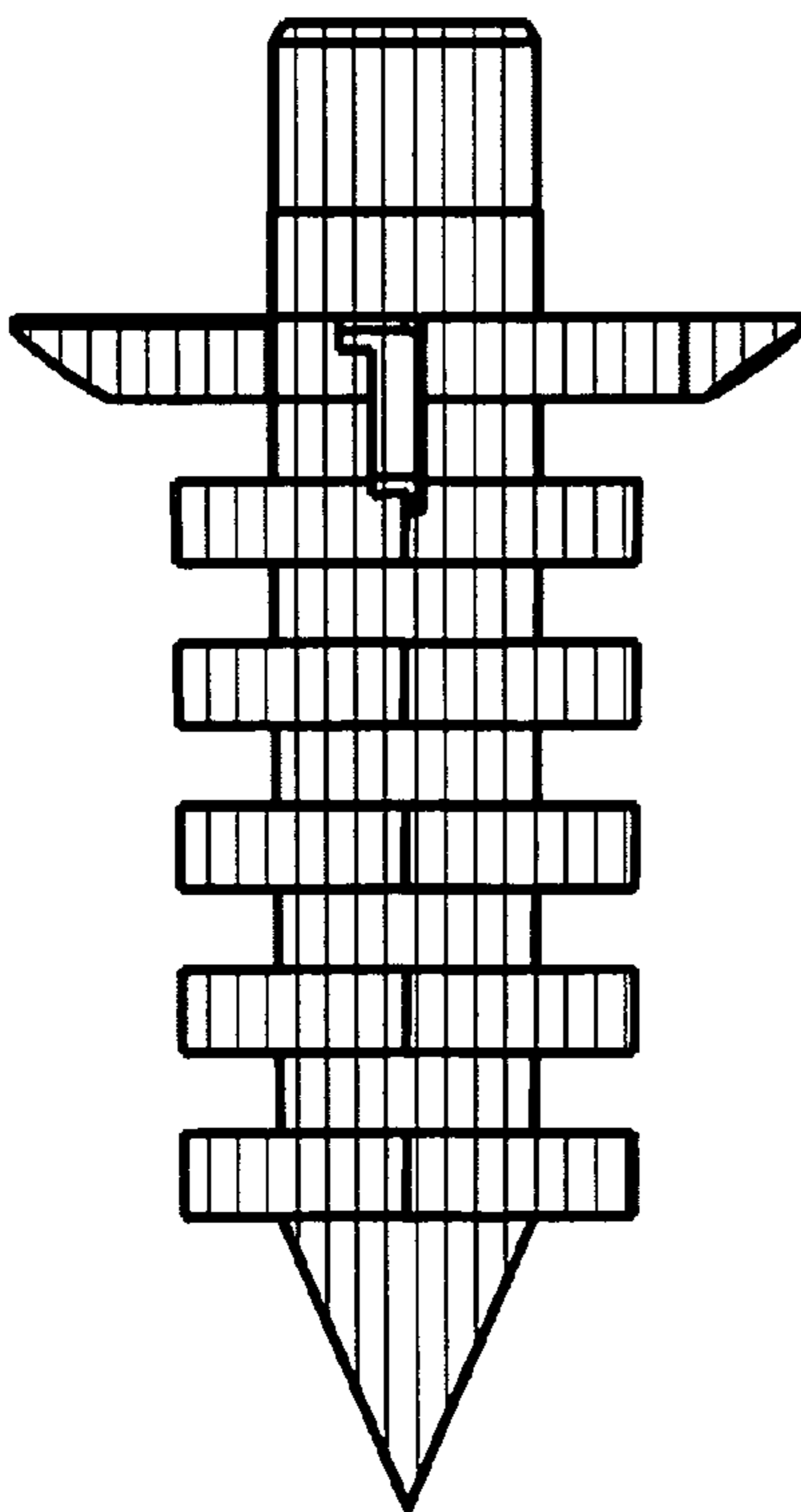
\* cited by examiner



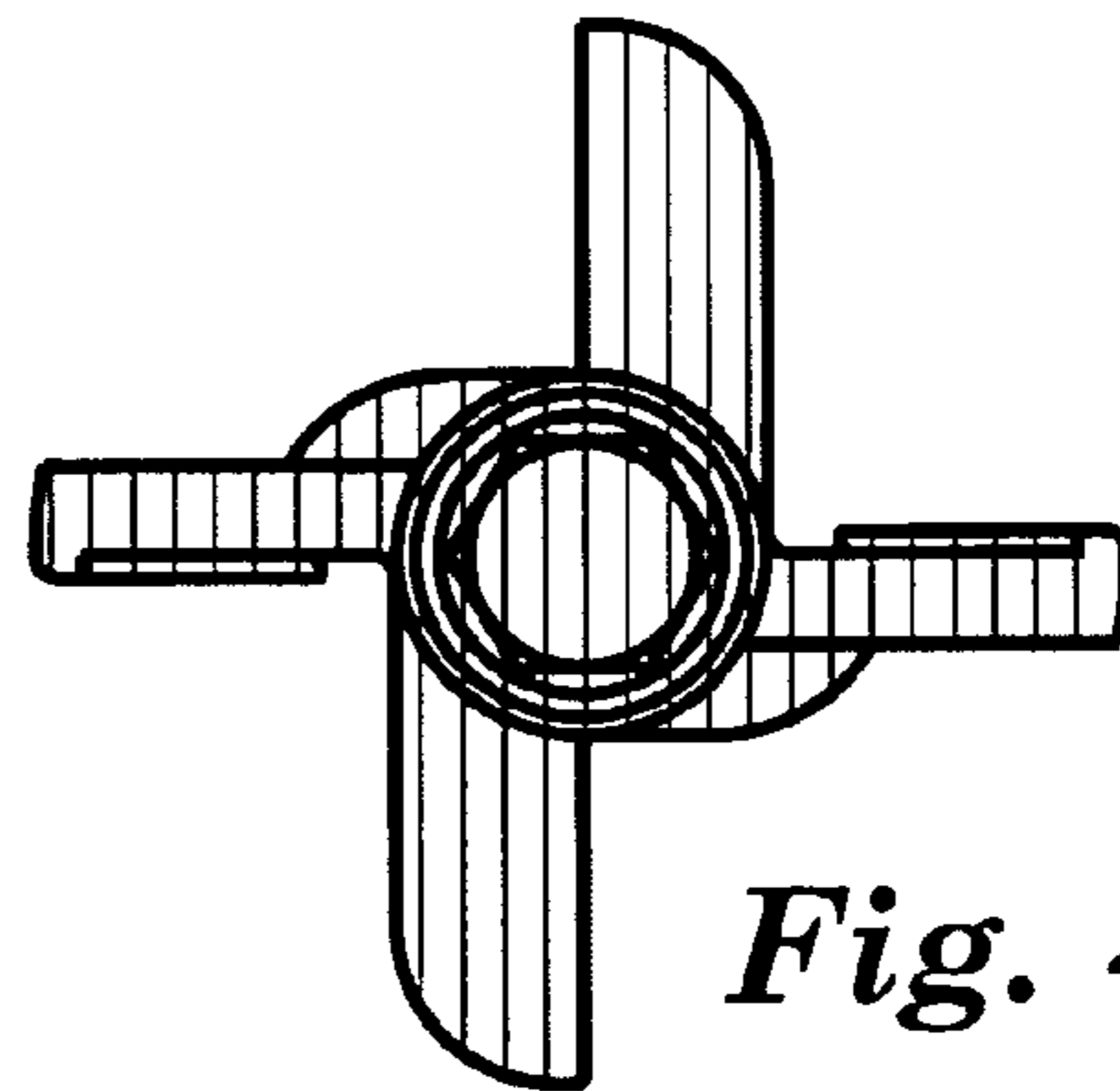
*Fig. 1*



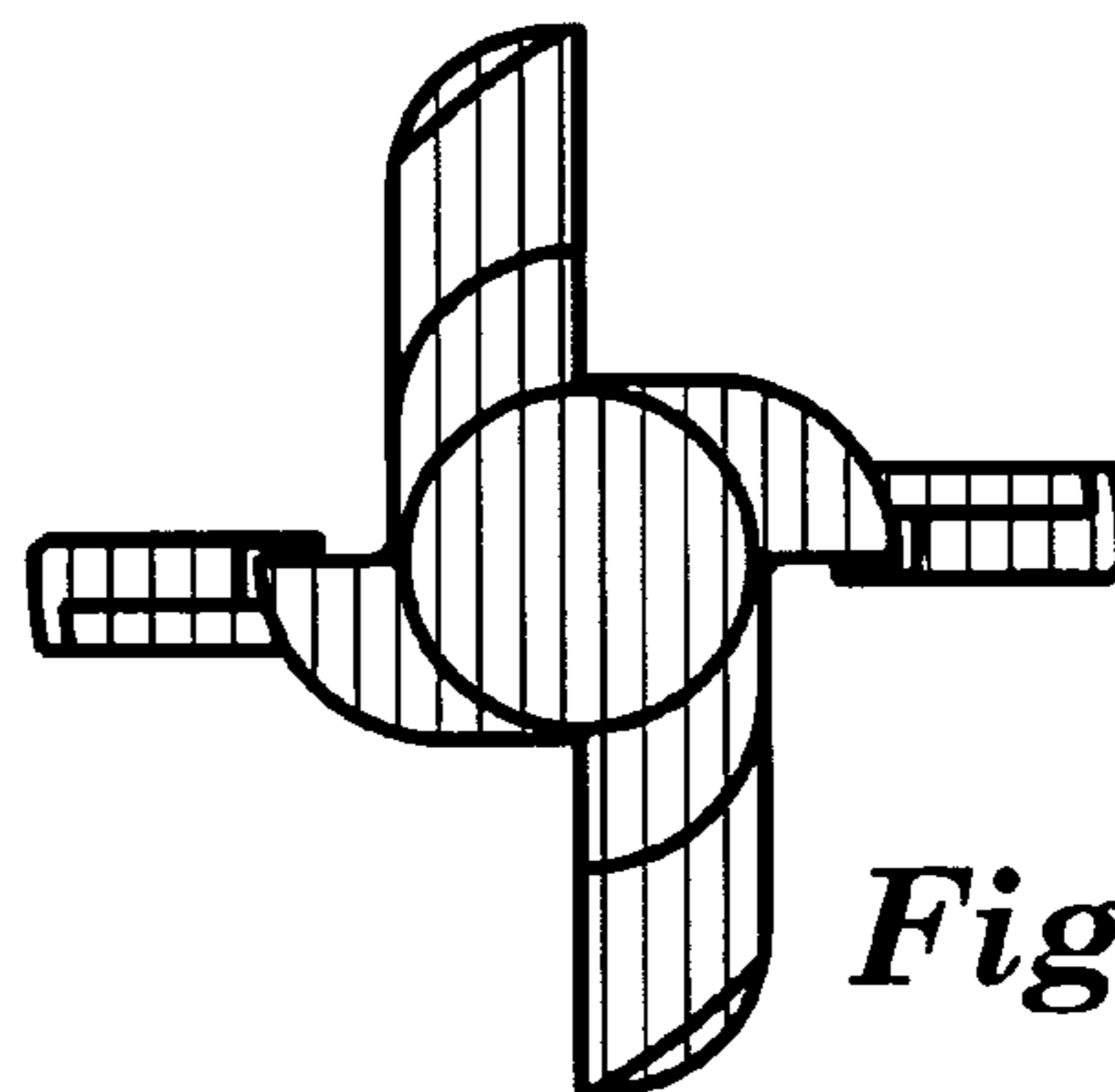
*Fig. 2*



*Fig. 3*



*Fig. 4*



*Fig. 5*