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

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(45) **Date of Patent:** **\*\* May 19, 2020**

(54) **MILK BEATER ASSEMBLY**

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(\*\*) Term: **15 Years**

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(30) **Foreign Application Priority Data**

Apr. 4, 2018 (CN) ..... 2018 3 0134240

(51) **LOC (12) Cl.** ..... **31-00**

(52) **U.S. Cl.**  
USPC ..... **D7/380; D7/376; D7/379**

(58) **Field of Classification Search**  
USPC ..... D7/372, 376-386, 395, 412-413, 602, D7/629, 665-666, 669, 679, 693-694  
CPC .... A21C 1/02; A21C 1/04; A23N 1/00; A23N 1/02; A47J 43/04; A47J 43/25; A47J 43/27; A47J 43/042; A47J 43/044; A47J 43/046; A47J 43/075; A47J 43/0722; A47J 43/0727; A47J 43/087; B01F 3/00; B01F 3/0807;

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D278,506 S \* 4/1985 Kafka ..... D7/376  
4,575,255 A \* 3/1986 Kafka ..... A47J 43/044  
366/129

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*Primary Examiner* — Ricky Pham

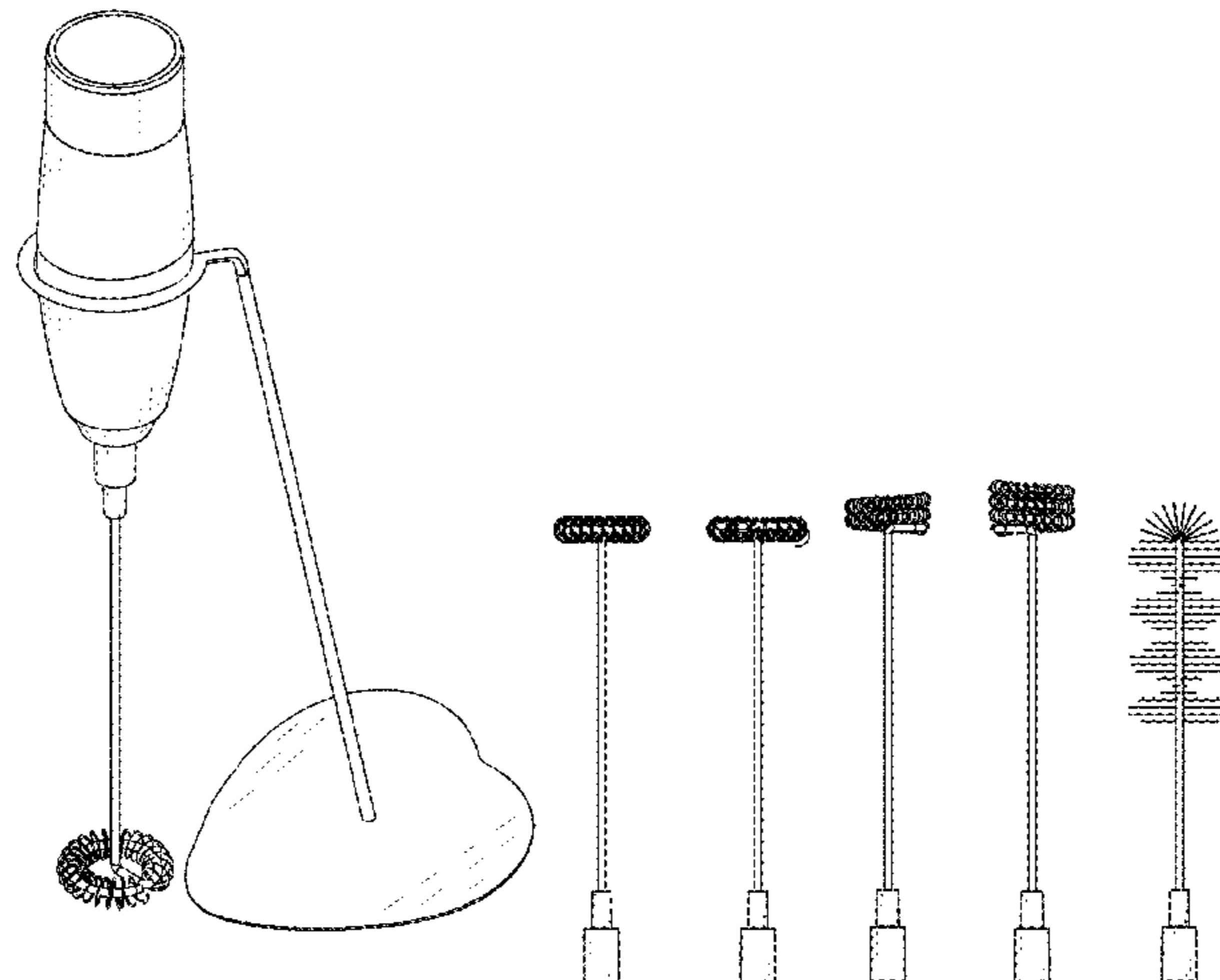
(57) **CLAIM**

The ornamental design for a milk beater assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the milk beater assembly, which consists of a first, second, third, fourth, fifth, sixth, seventh and eighth component in an assembled condition; FIG. 2 is a perspective view of a first component of the milk beater assembly; FIG. 3 is a front view thereof; FIG. 4 is a top view thereof; FIG. 5 is a perspective view of a second component of the milk beater assembly; FIG. 6 is a front view thereof; FIG. 7 is a top view thereof; FIG. 8 is a front view of a third component of the milk beater assembly; FIG. 9 is a top view thereof; FIG. 10 is a bottom view thereof; FIG. 11 is a front view of a fourth component of the milk beater assembly; FIG. 12 is a top view thereof; FIG. 13 is a bottom view thereof; FIG. 14 is a front view of a fifth component of the milk beater assembly; FIG. 15 is a top view thereof; FIG. 16 is a bottom view thereof; FIG. 17 is a front view of a sixth component of the milk beater assembly; FIG. 18 is a top view thereof; FIG. 19 is a bottom view thereof; FIG. 20 is a front view of a seventh component of the milk beater assembly; FIG. 21 is a top view thereof; FIG. 22 is a bottom view thereof; FIG. 23 is a front view of a eighth component of the milk beater assembly; FIG. 24 is a top view thereof; and, FIG. 25 is a bottom view thereof.

**1 Claim, 25 Drawing Sheets**



(58) **Field of Classification Search**

CPC ..... B01F 3/0853; B01F 13/0059; B01F  
13/0064; B02C 1/08; B02C 2/04; B02C  
4/42; B02C 4/142; B02C 4/143; B02C  
4/423; B02C 13/1835; B28C 5/10; B28C  
5/12; B28C 5/14; B28C 5/16

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D390,415 S *	2/1998	Hippen .....	D7/412
D462,569 S *	9/2002	Chin .....	D7/376
D490,647 S *	6/2004	Buesching .....	D7/379
D493,330 S *	7/2004	Lane .....	D7/376
D533,023 S *	12/2006	Lo .....	D7/379
D536,570 S *	2/2007	Lo .....	D7/379
D856,746 S *	8/2019	Du .....	D7/380
D866,246 S *	11/2019	Zhu .....	D7/380
D867,052 S *	11/2019	Du .....	D7/379

\* cited by examiner

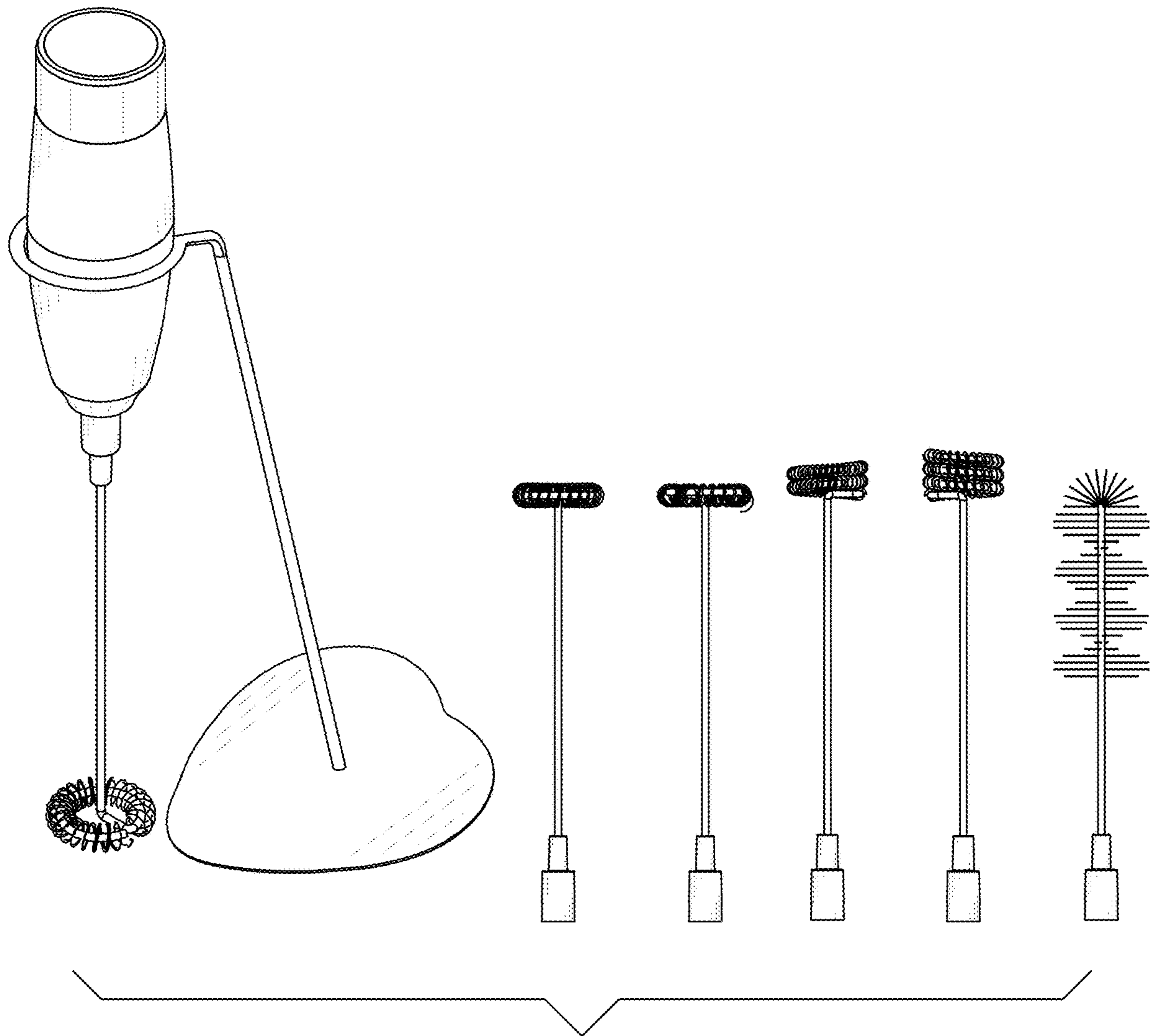


FIG.1

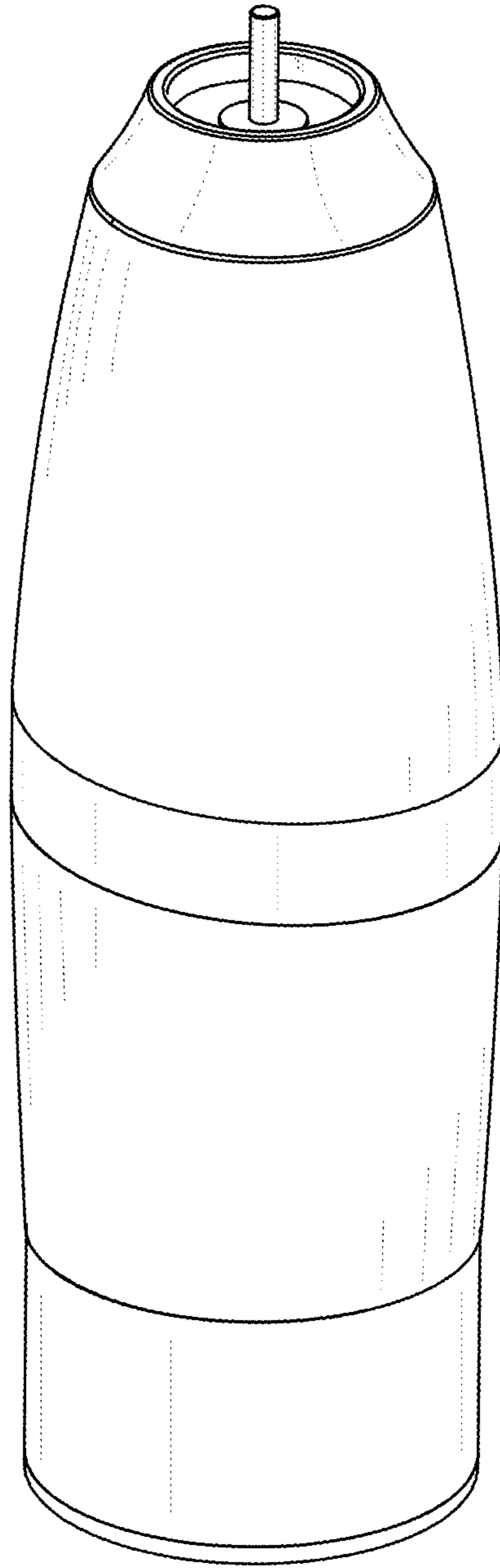


FIG.2

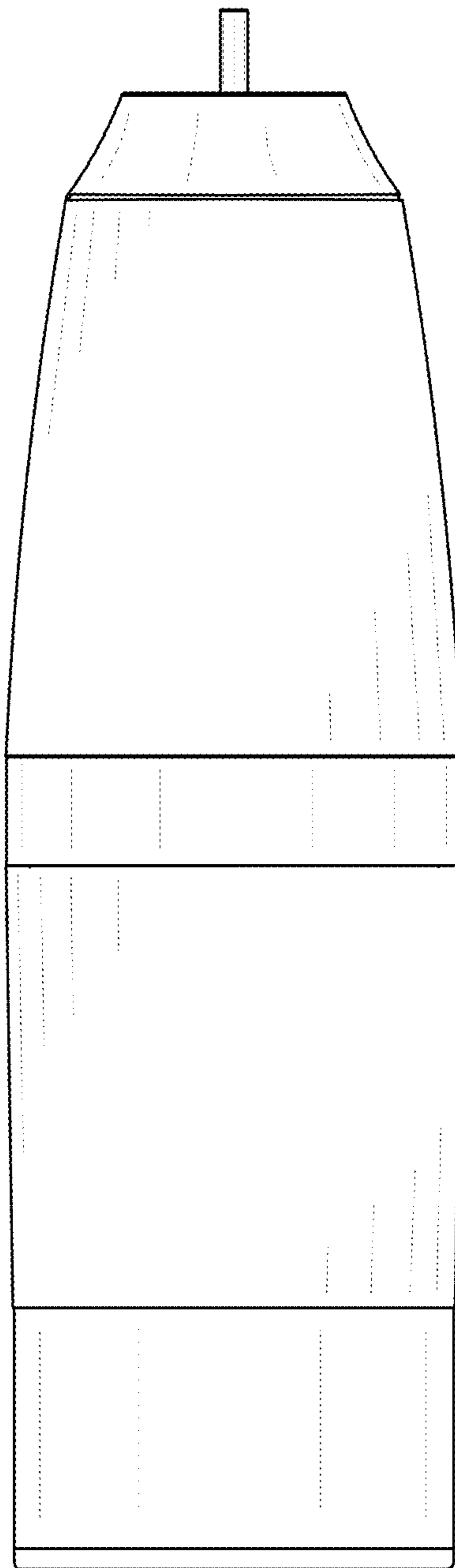


FIG.3

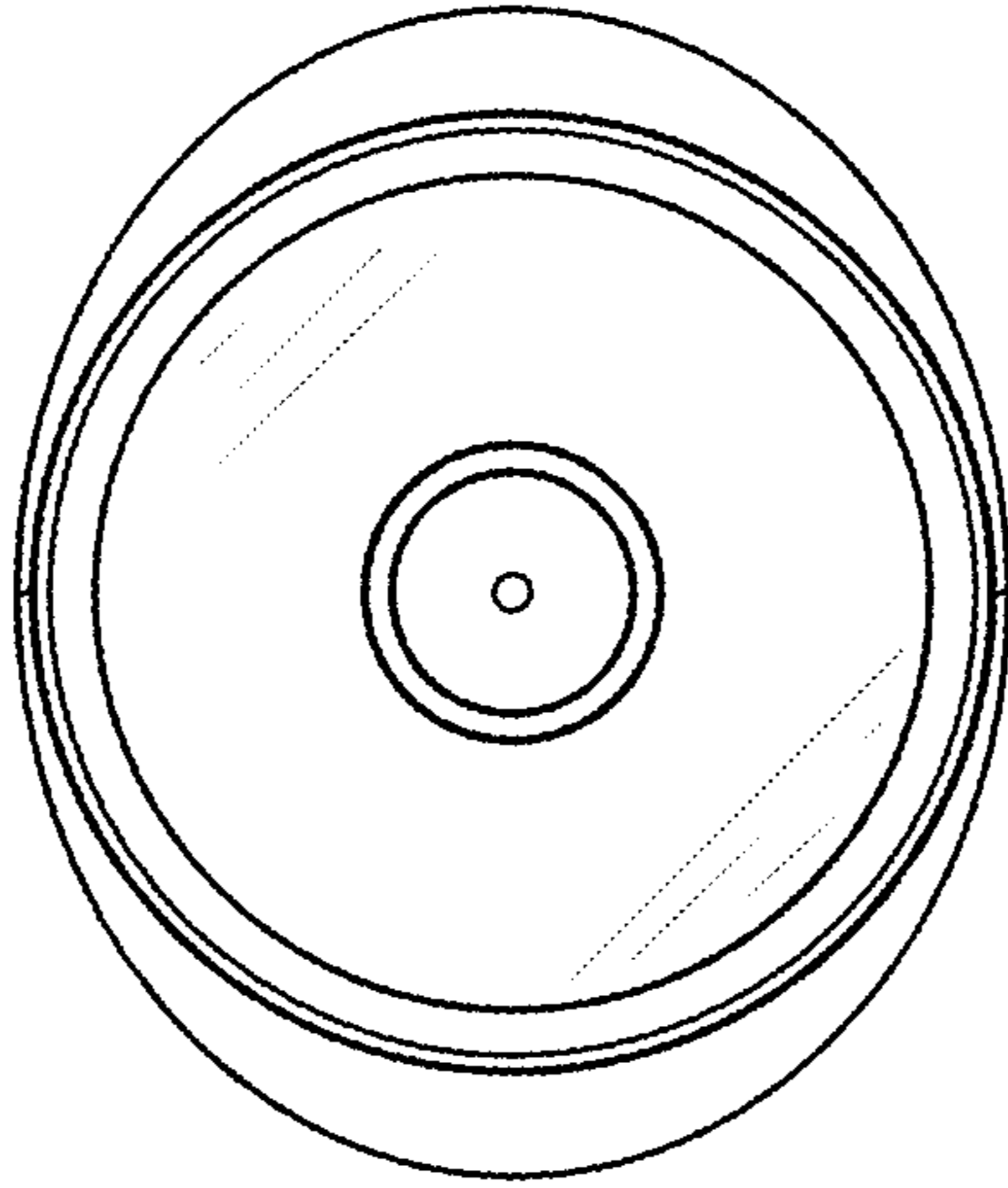


FIG.4

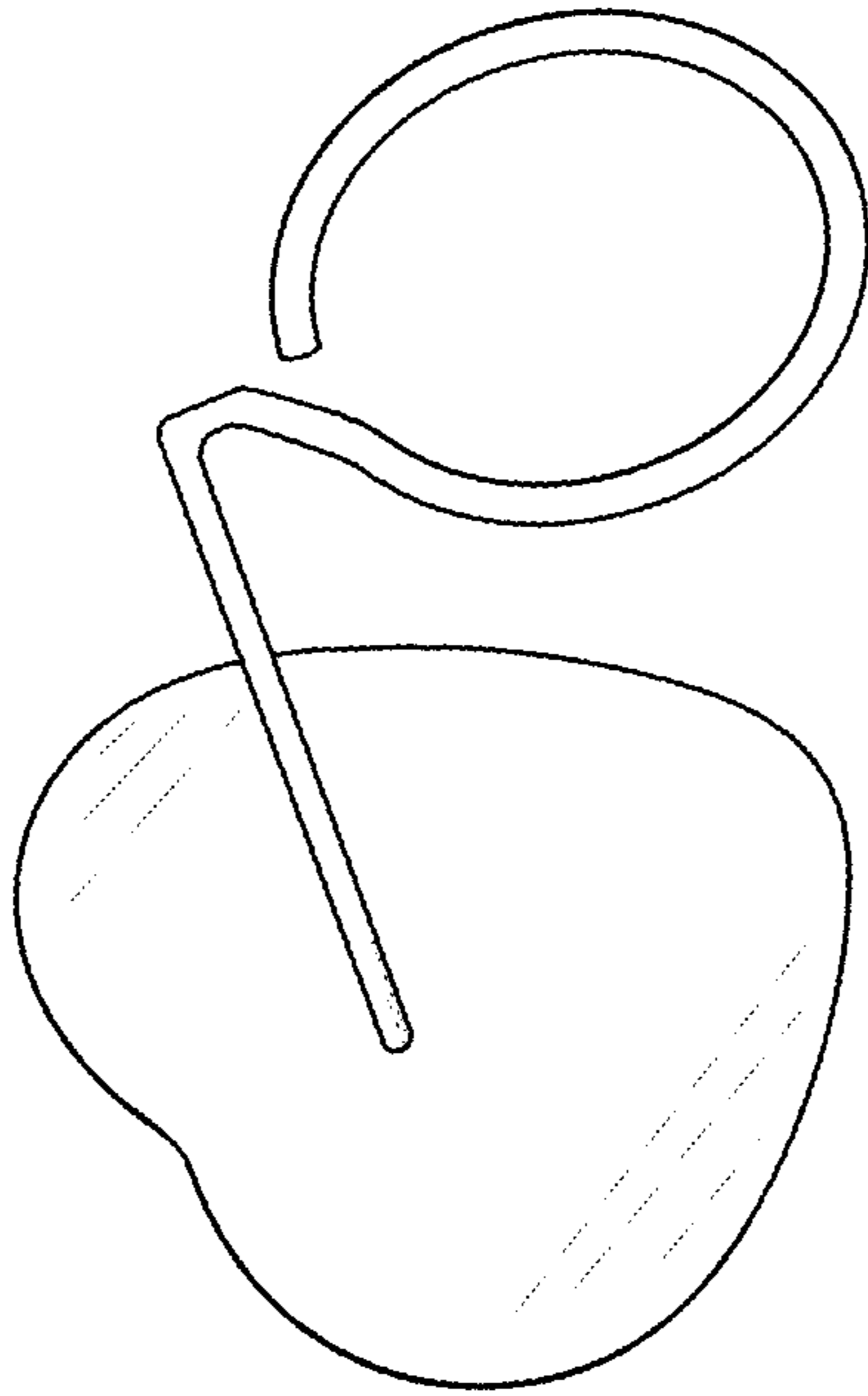


FIG.5

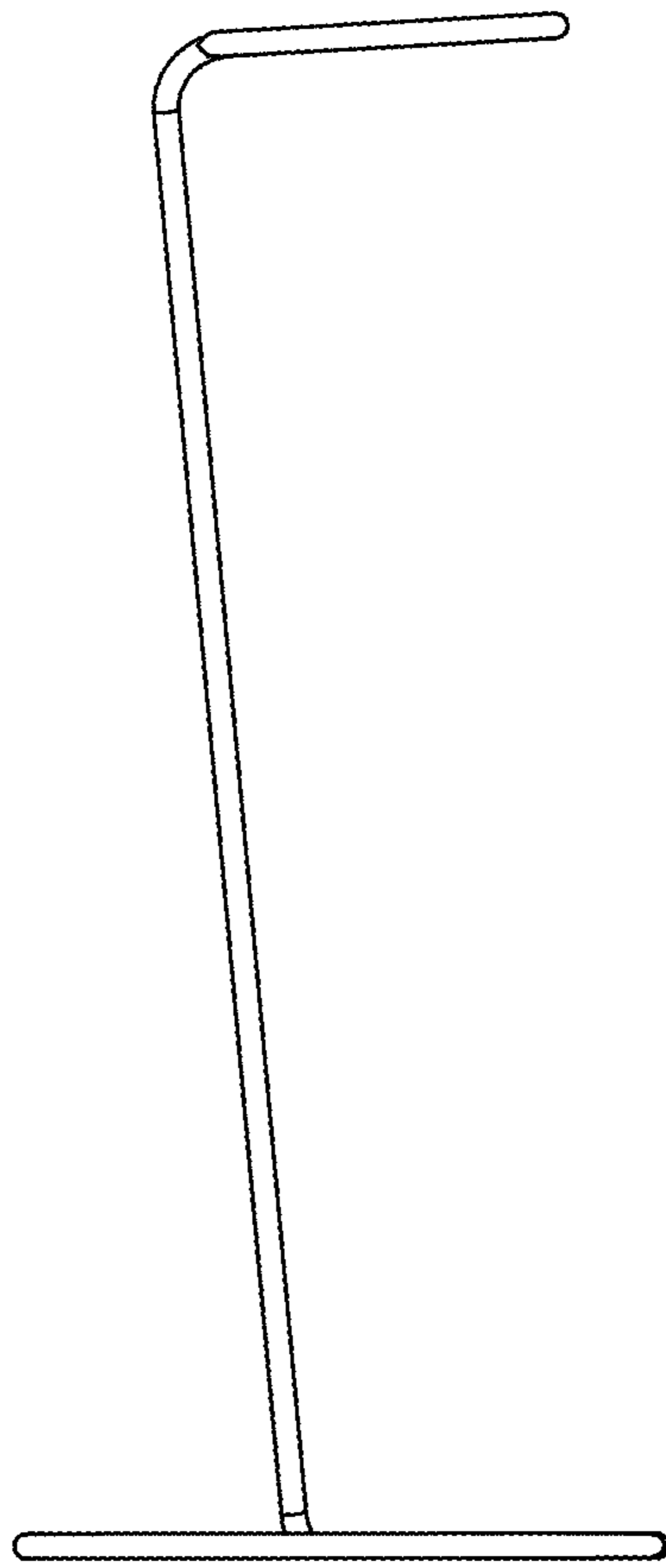


FIG.6



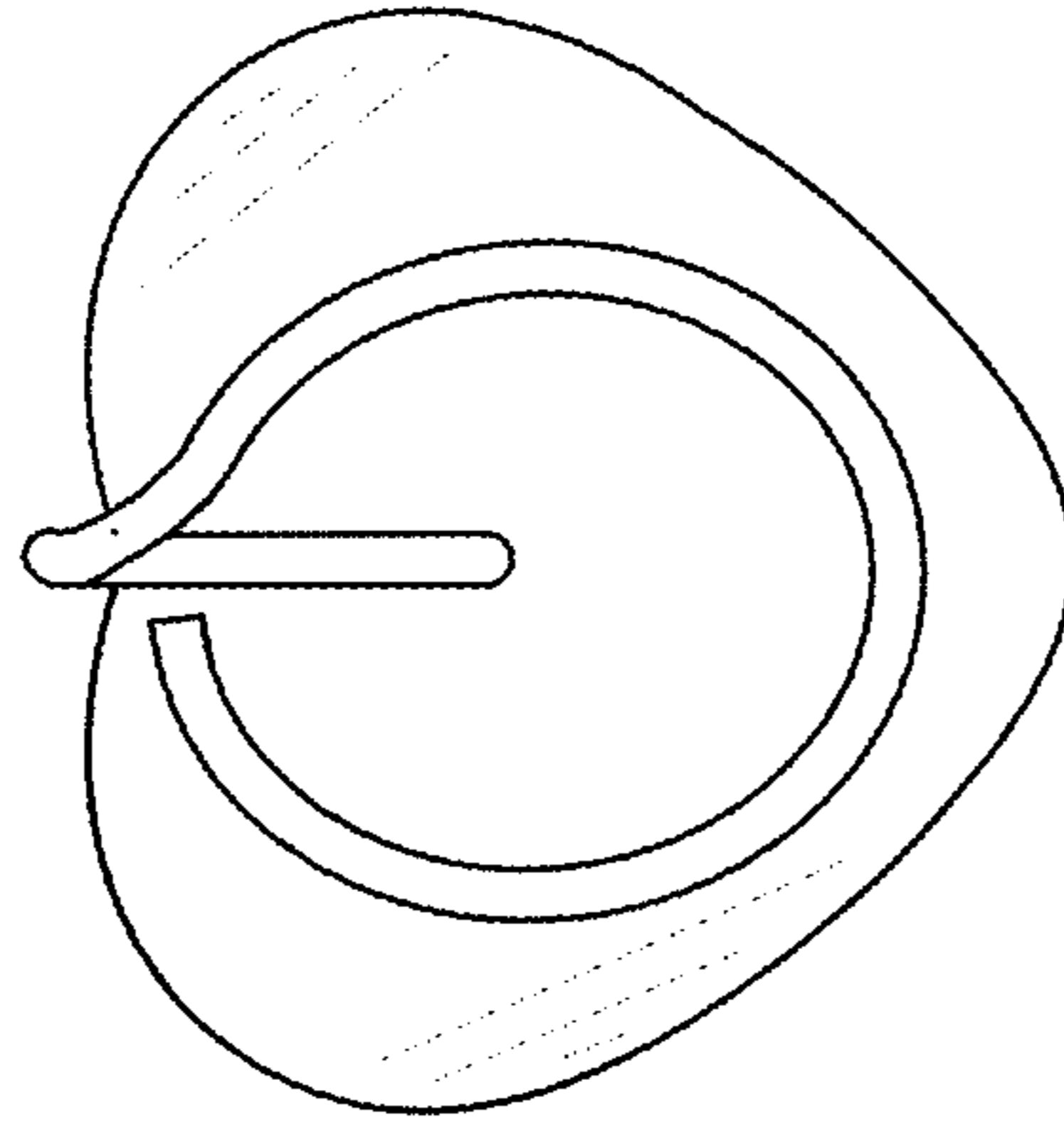


FIG.7

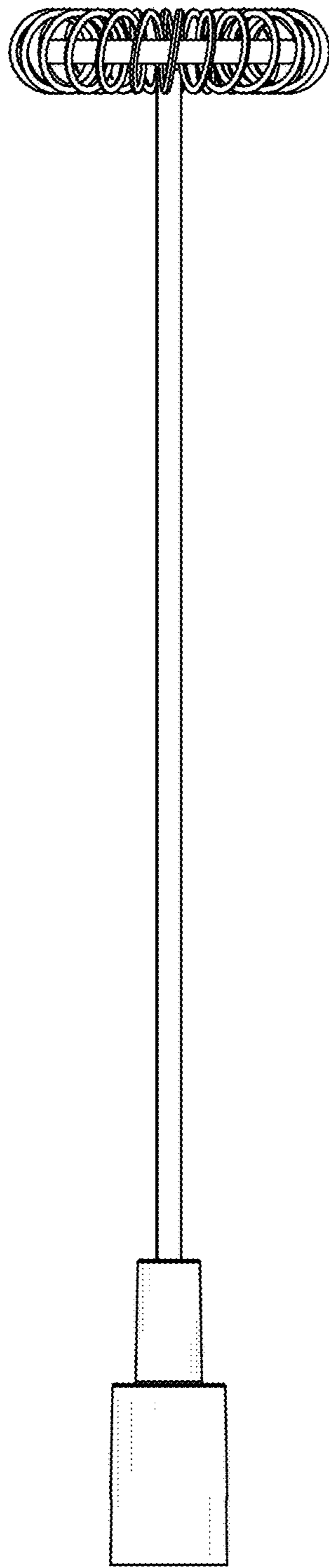


FIG.8

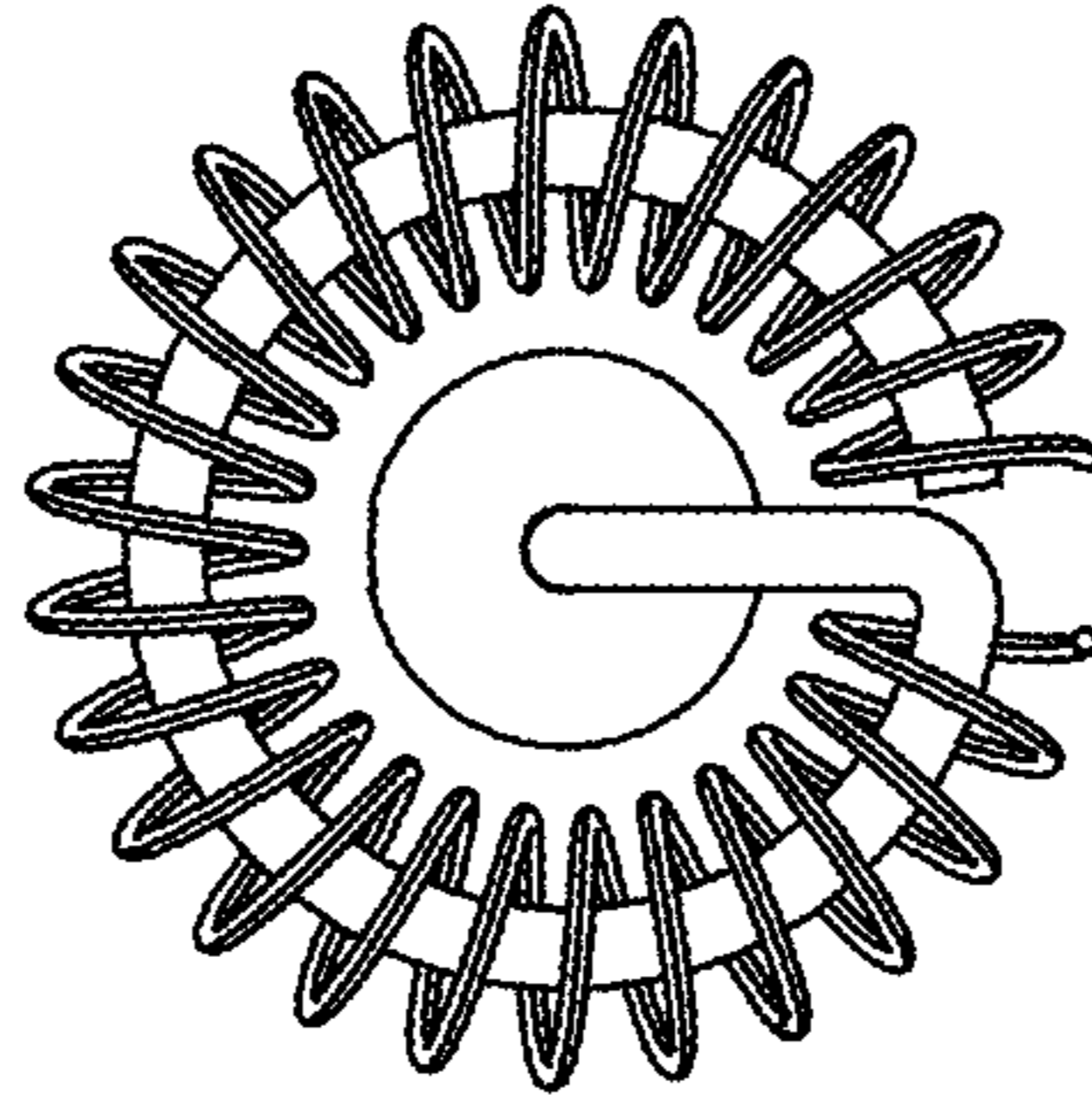


FIG.9

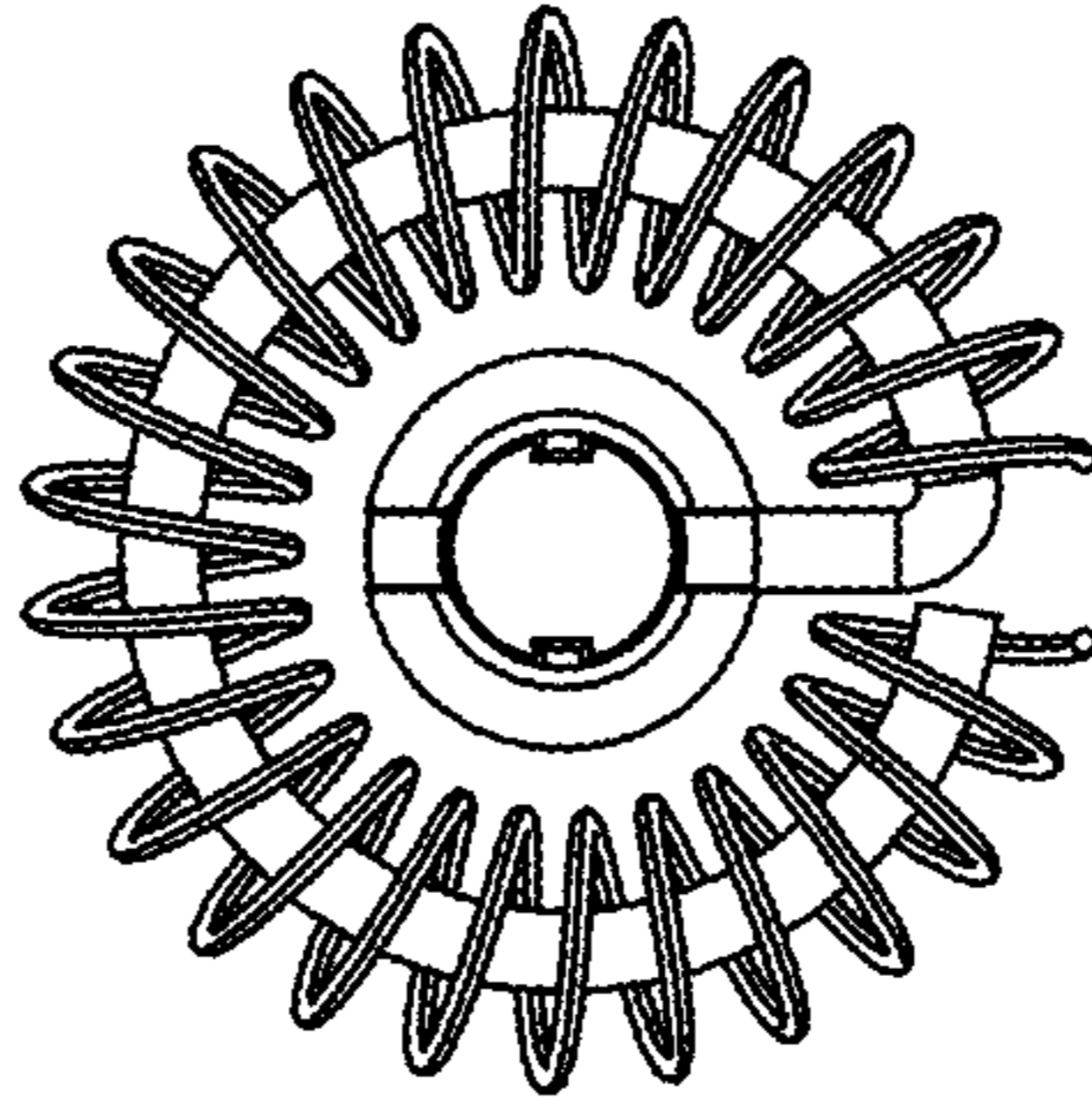


FIG. 10

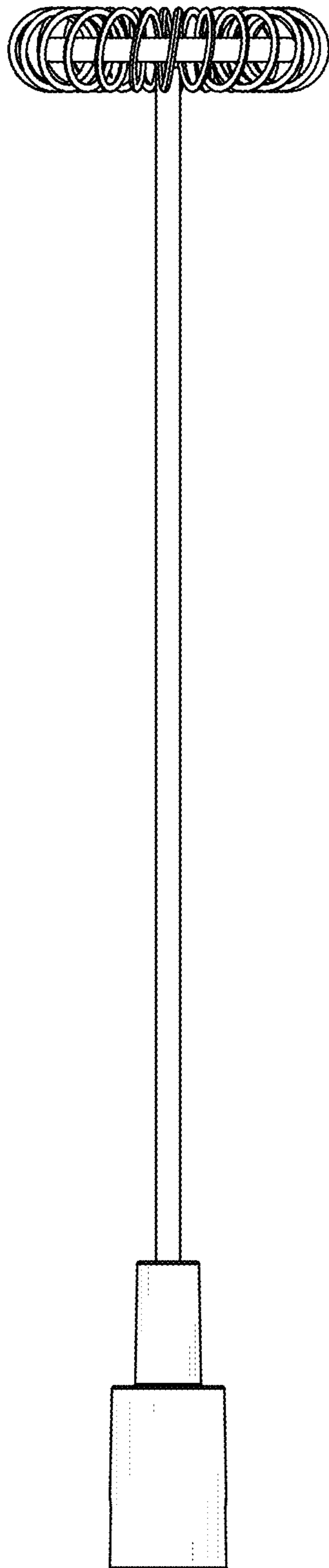


FIG. 11

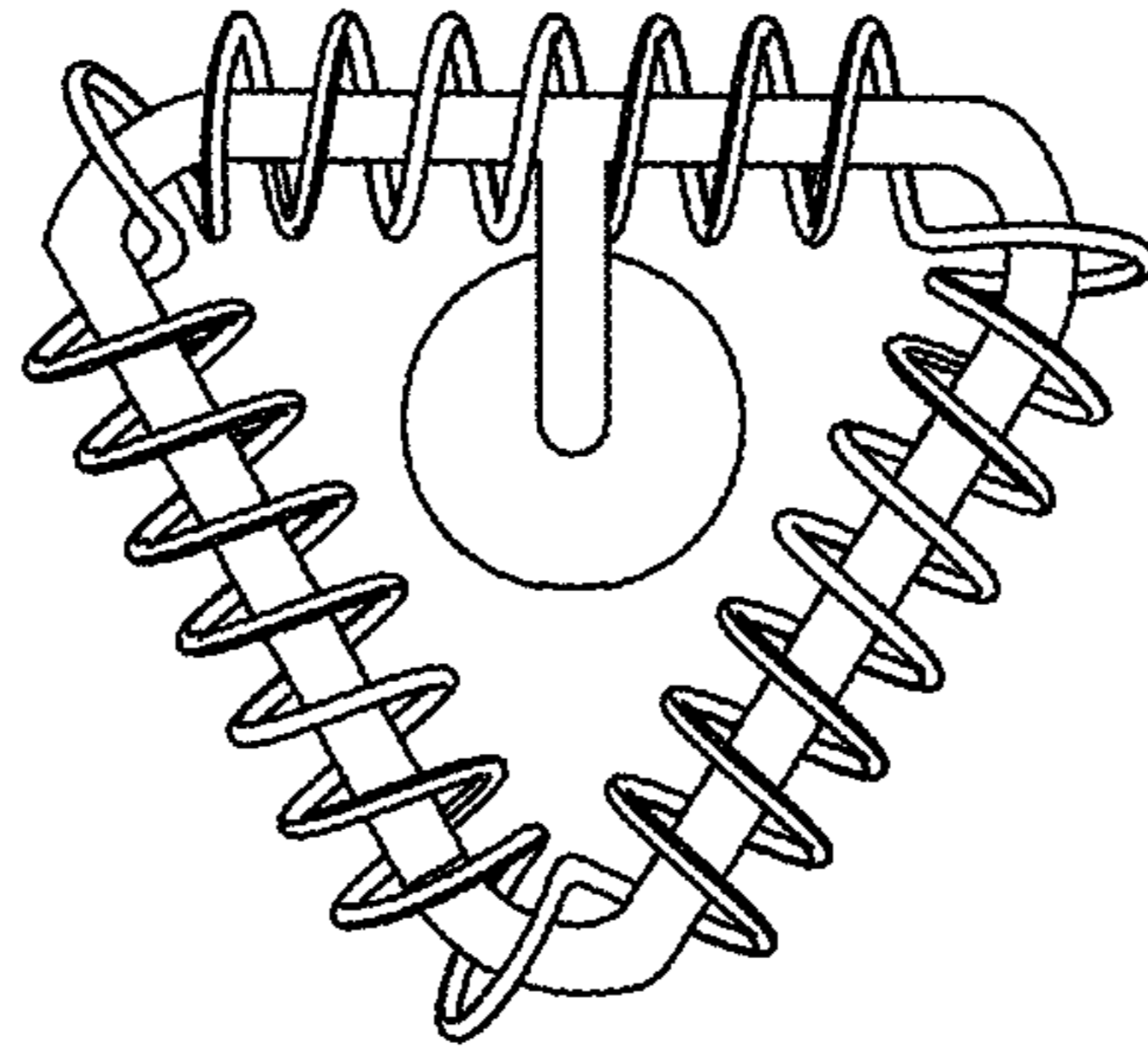


FIG.12

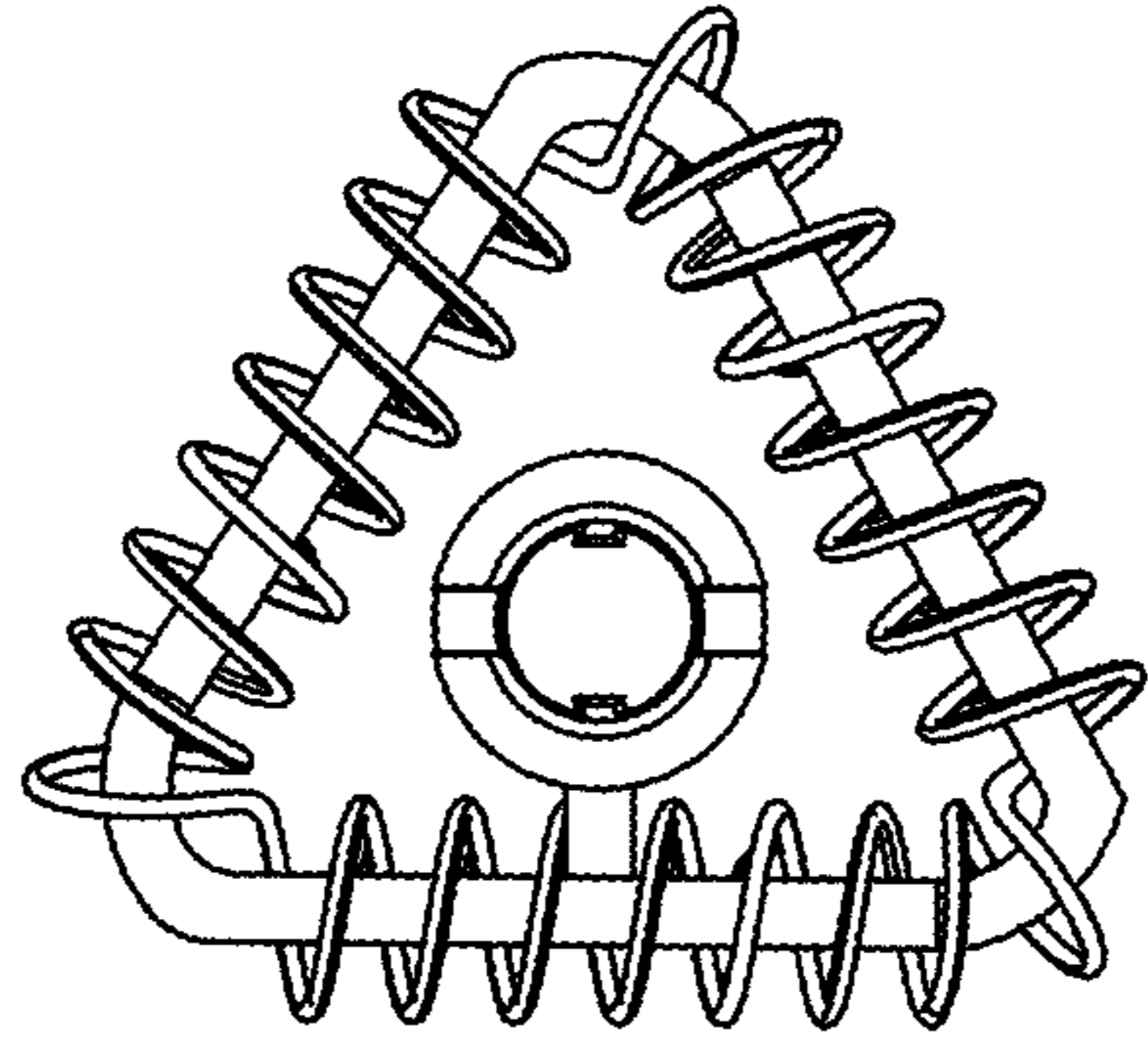


FIG. 13

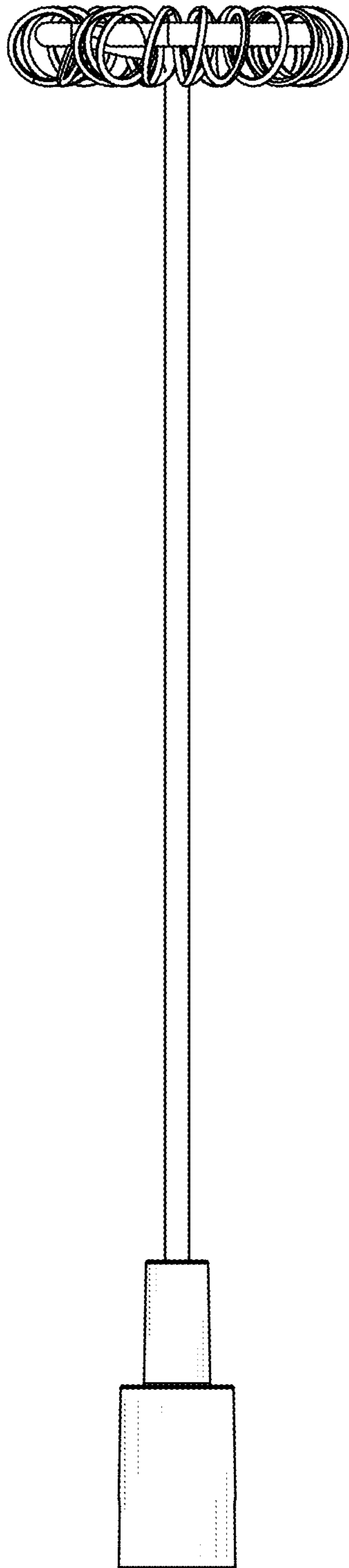


FIG. 14



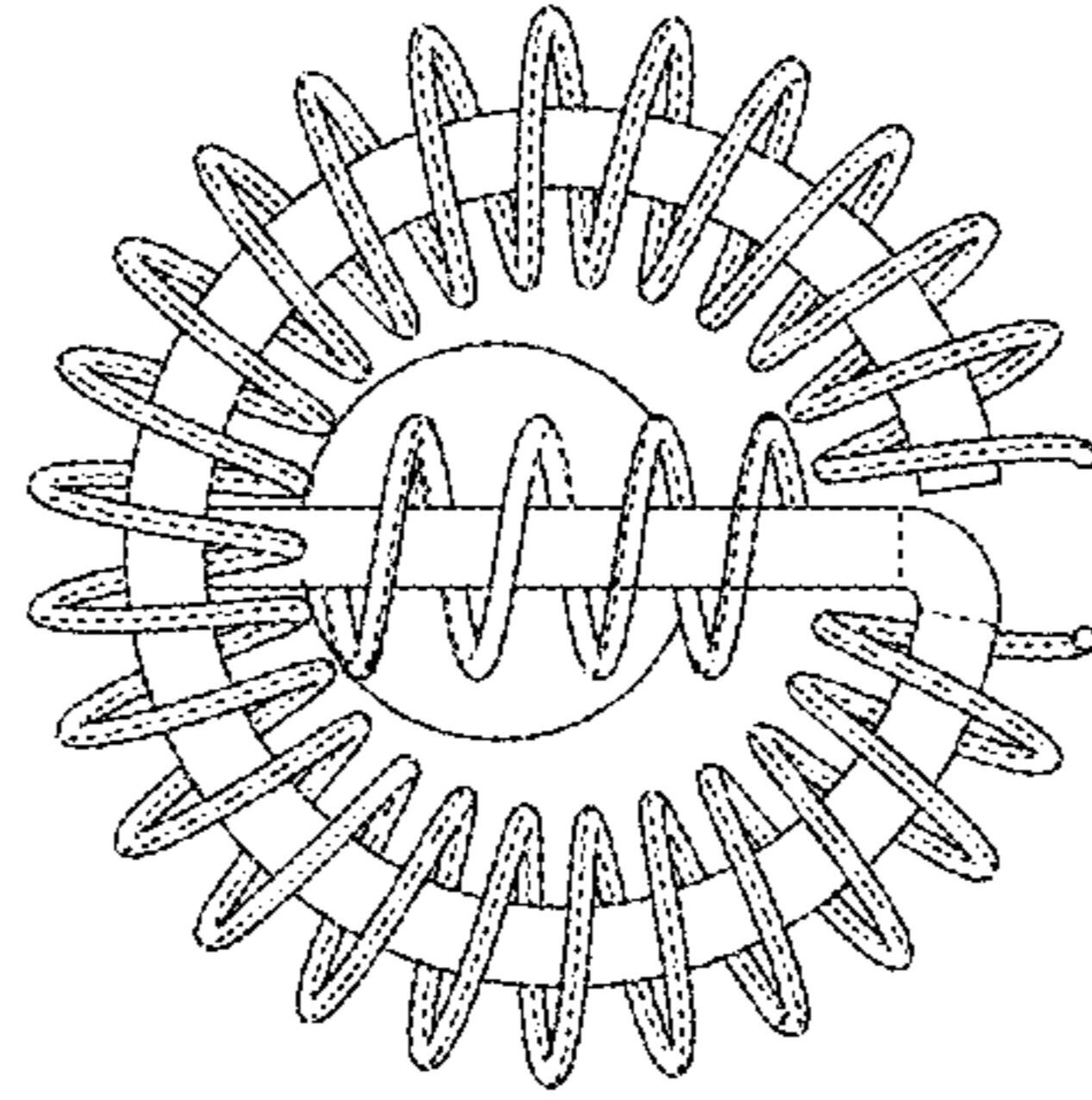


FIG. 15

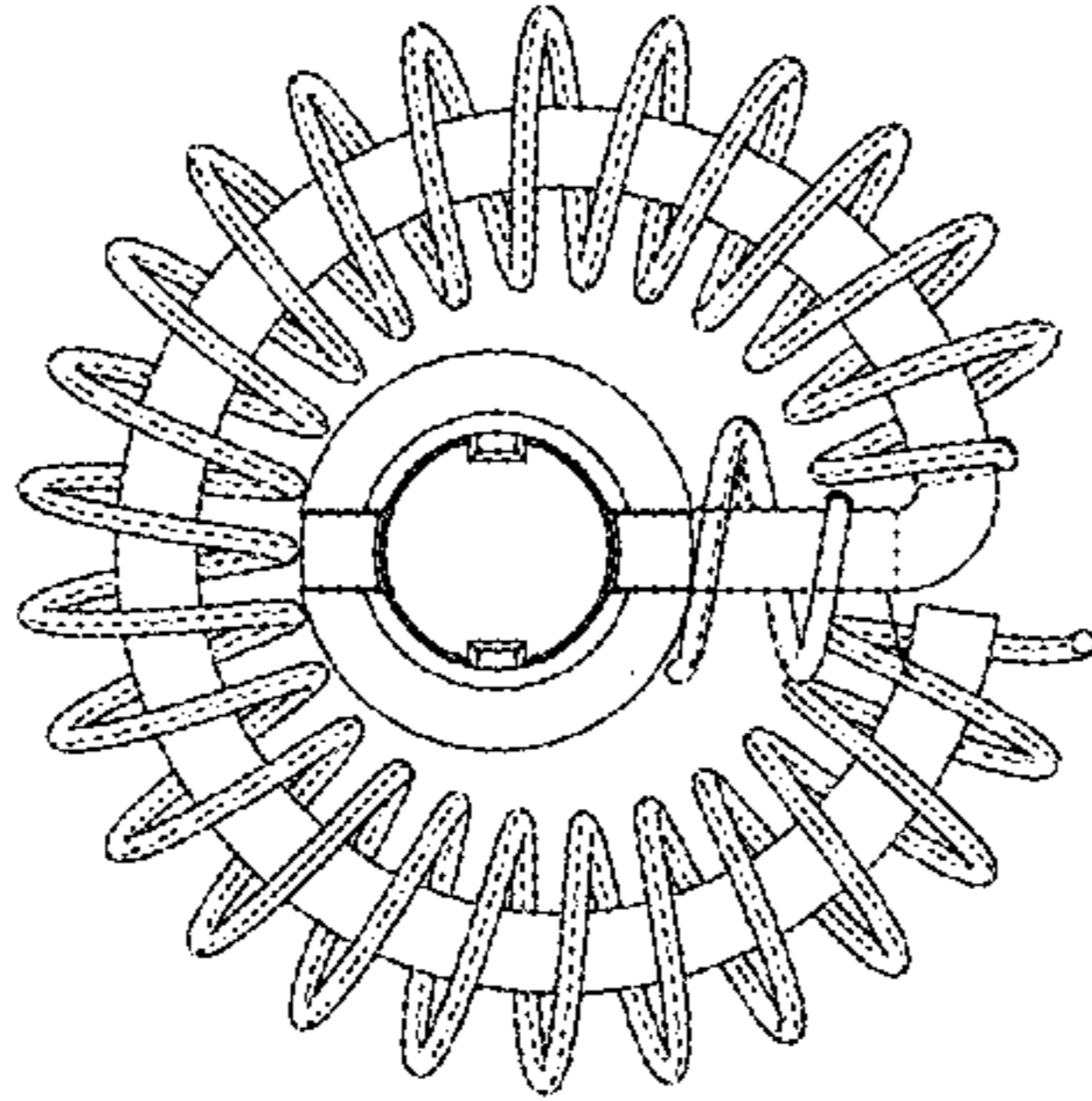


FIG. 16

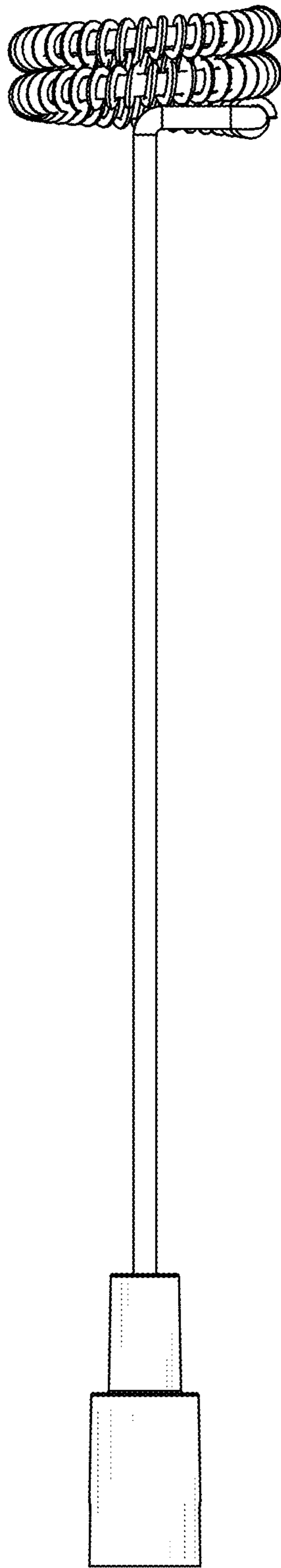


FIG.17

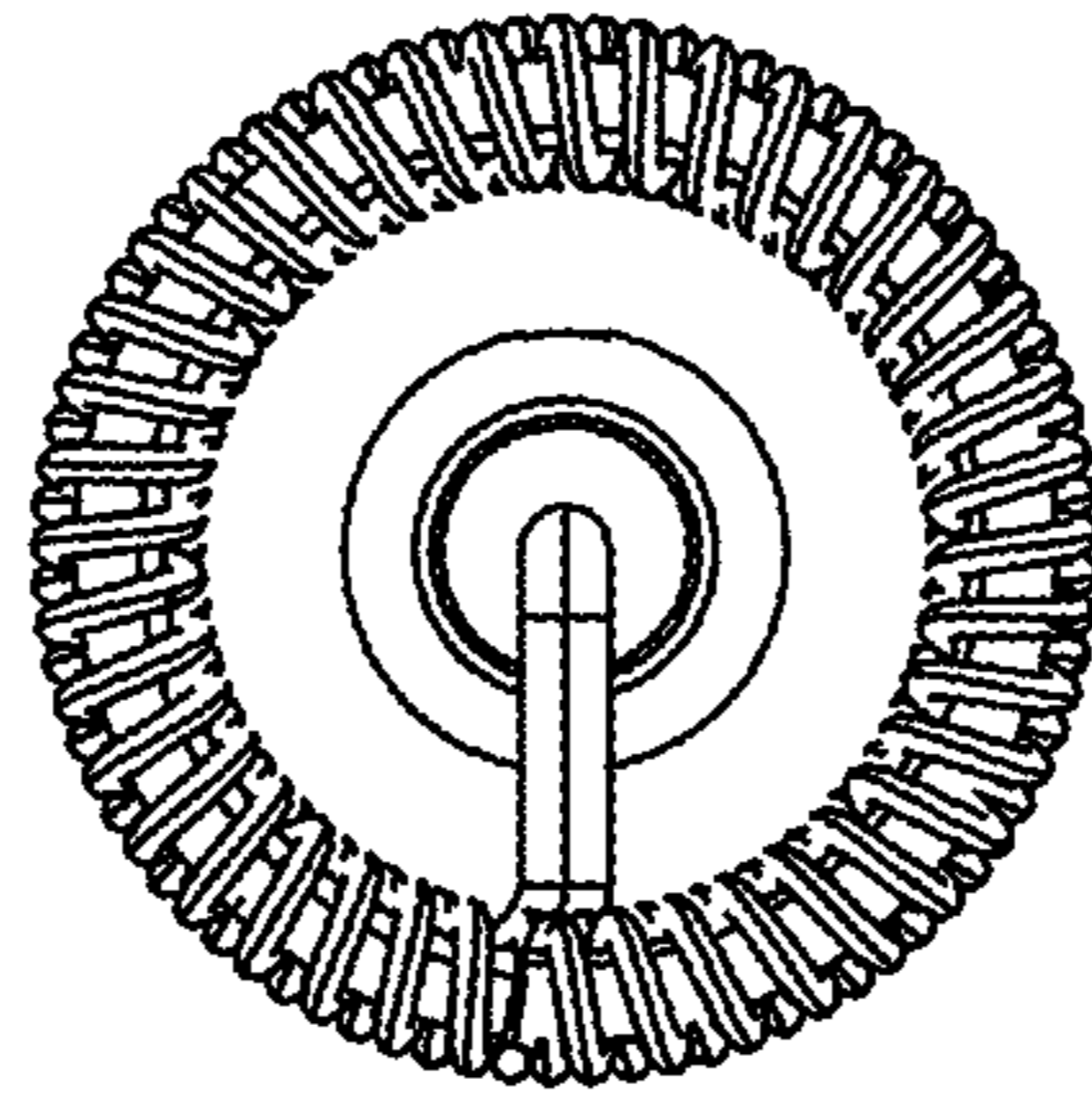


FIG. 18

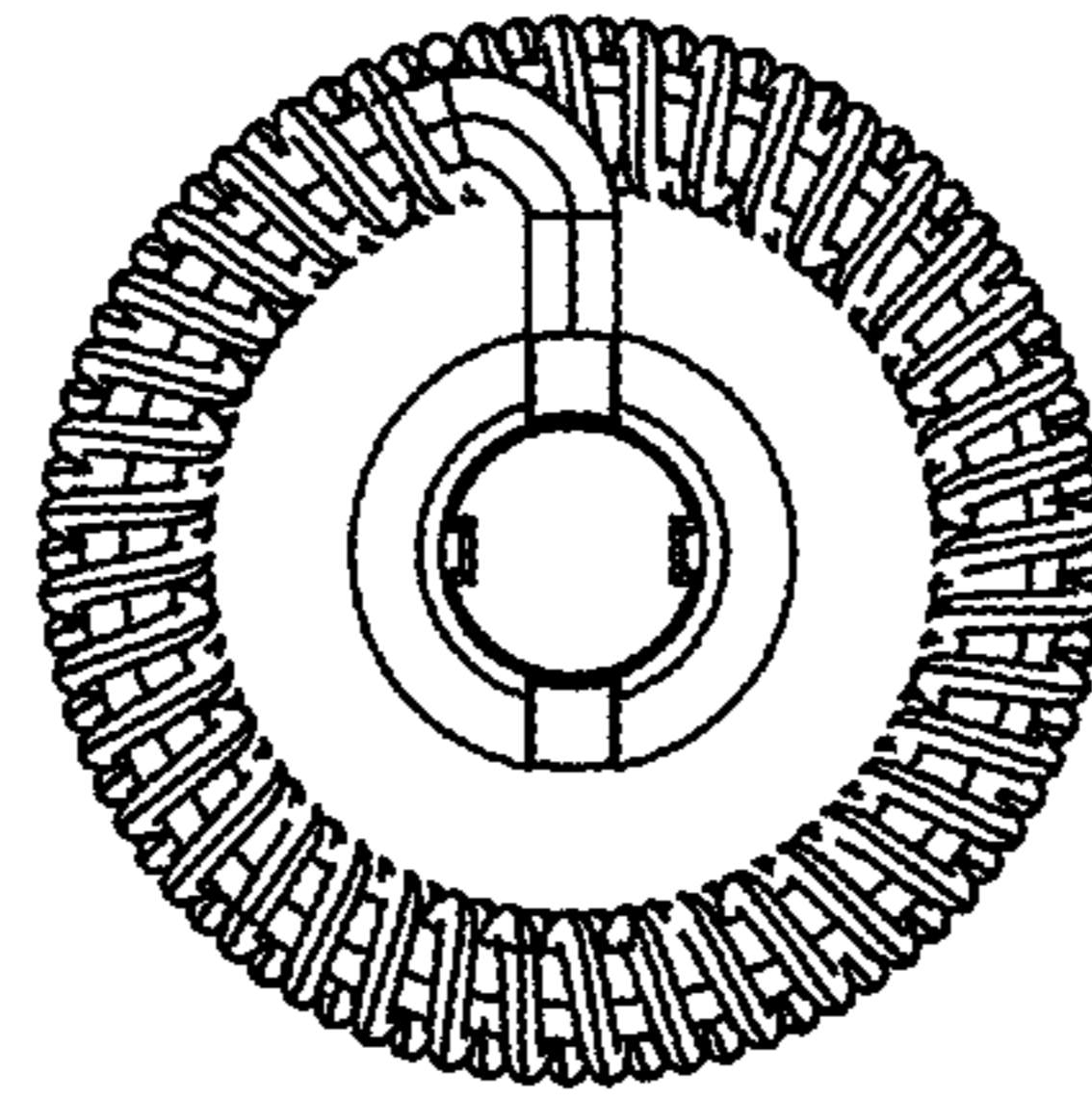


FIG. 19

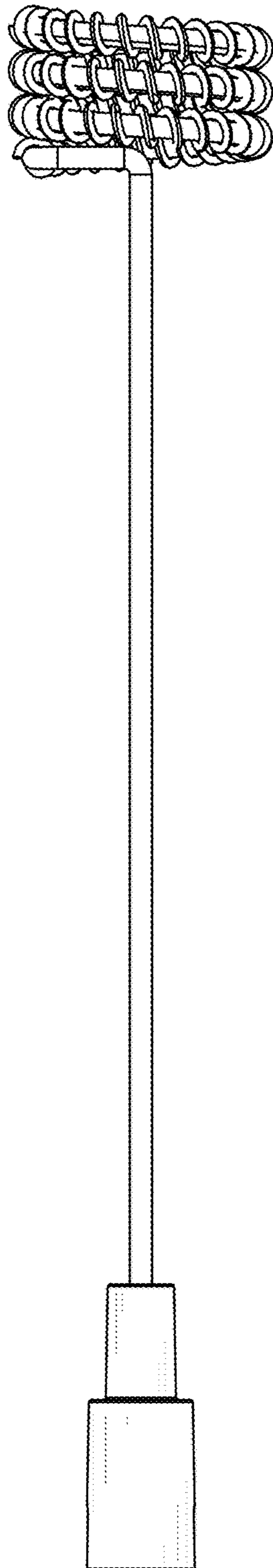


FIG.20

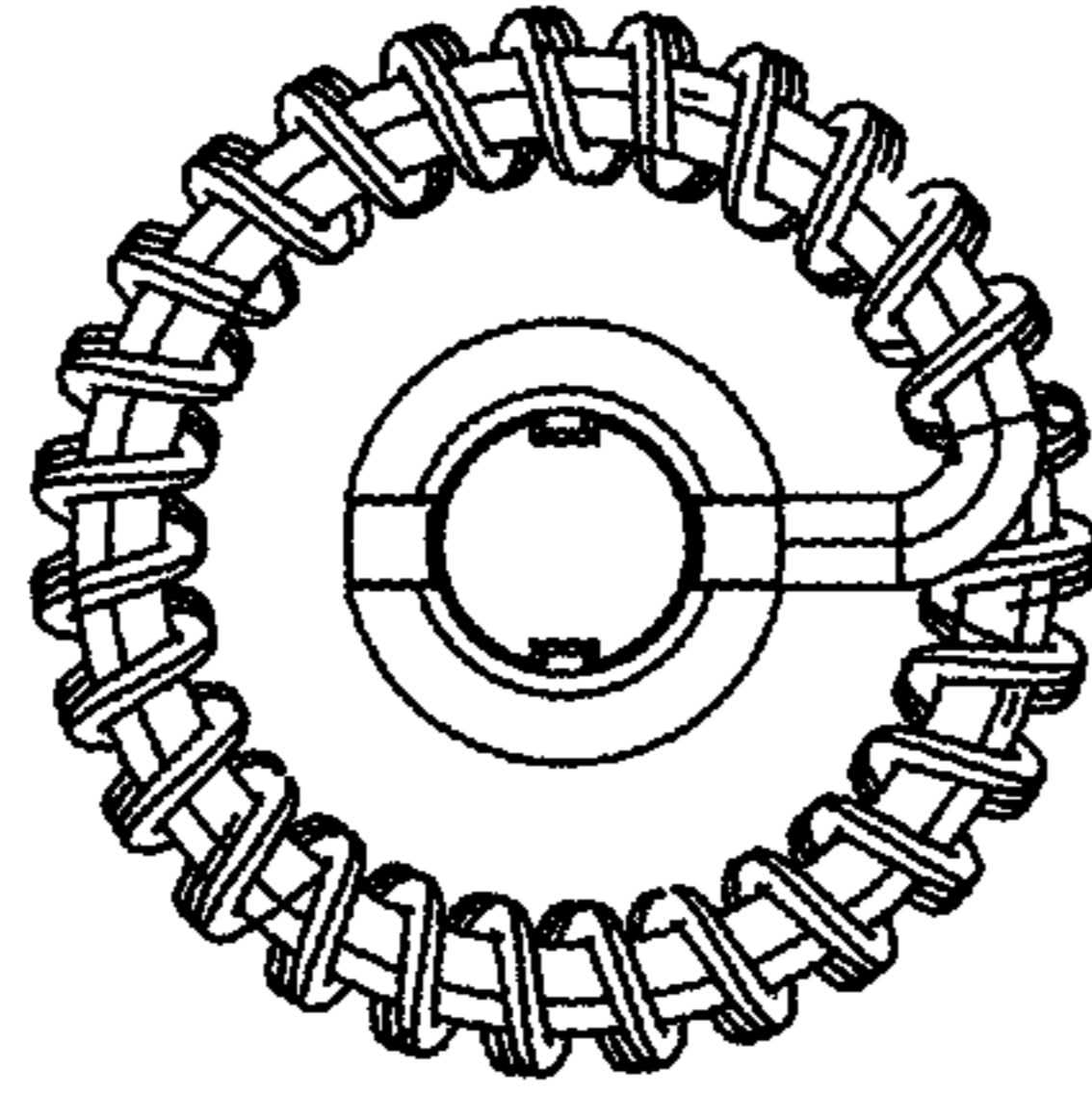


FIG.21

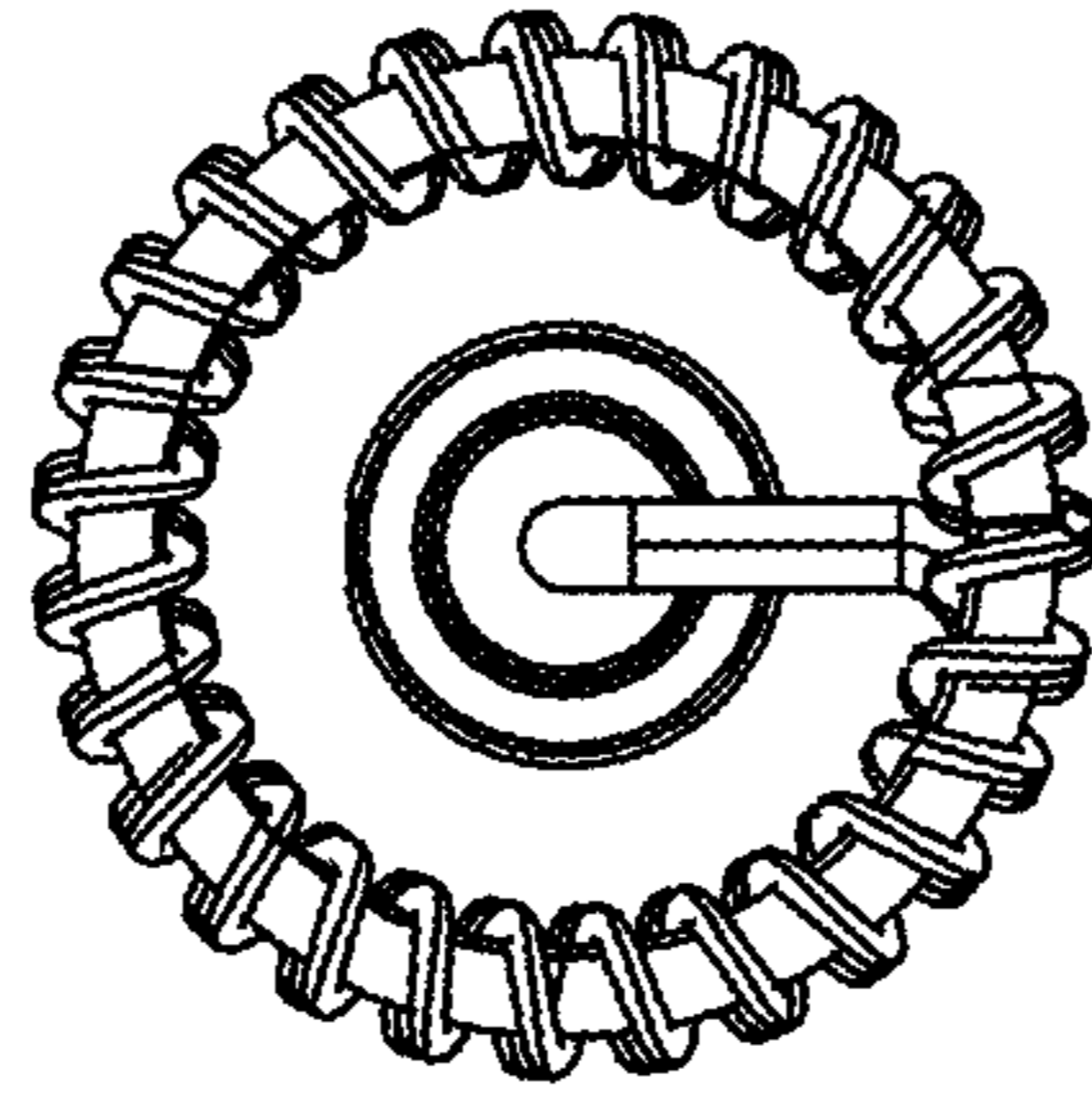


FIG.22



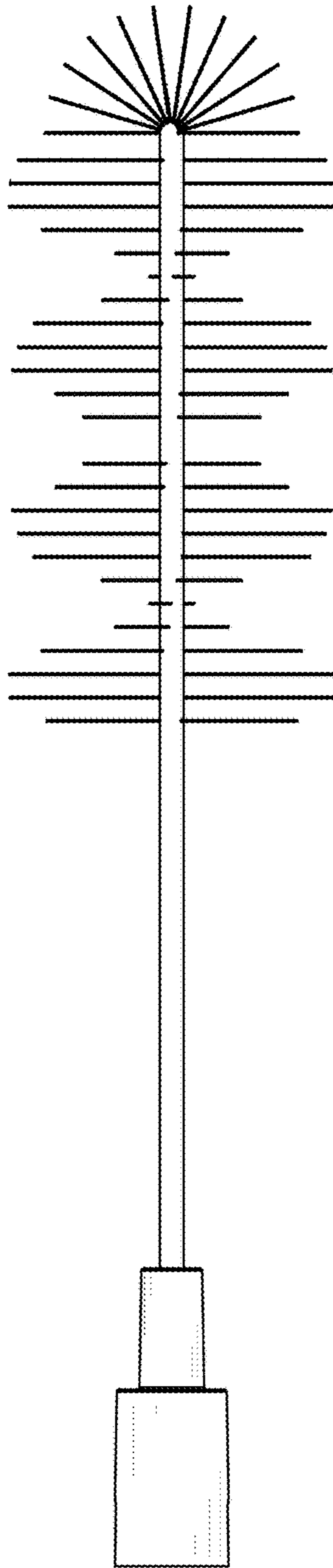


FIG.23

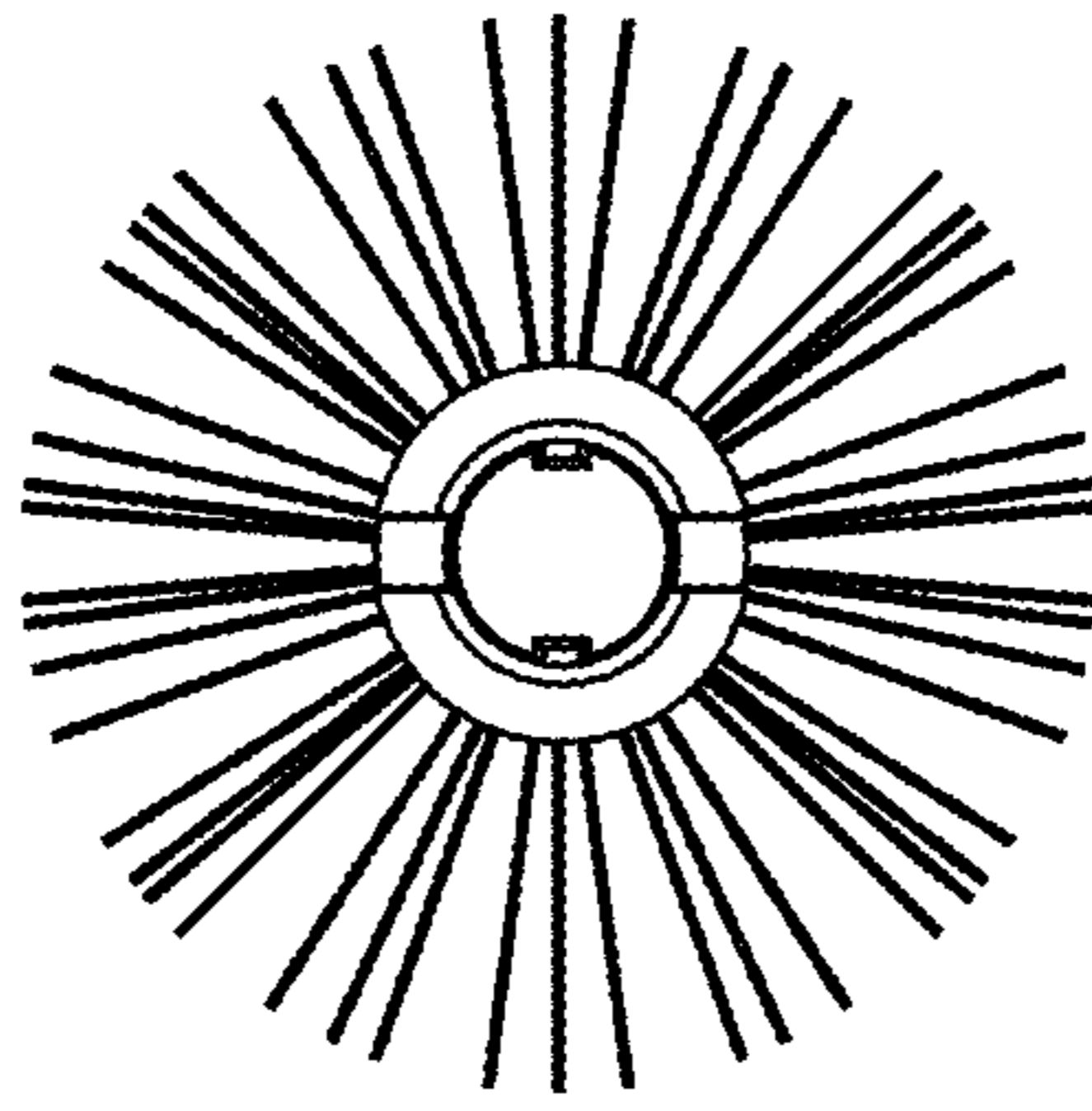


FIG.24

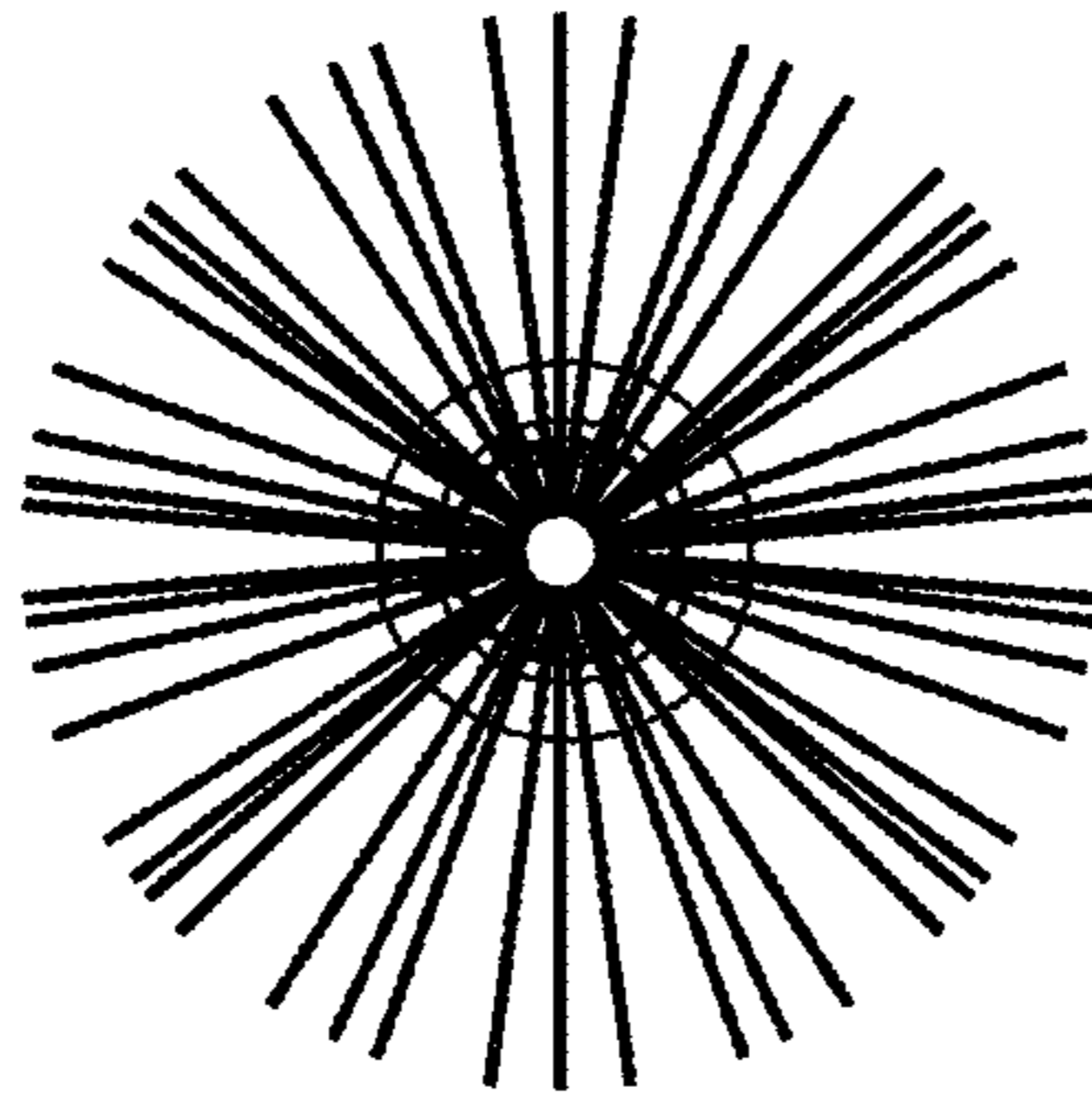


FIG.25