



US00D745232S

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

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(45) **Date of Patent:** **** Dec. 8, 2015**

(54) **CLEANER**

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Gyeonggi-Do (KR)

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

(21) Appl. No.: **29/499,828**

(22) Filed: **Aug. 19, 2014**

(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/22**

(58) **Field of Classification Search**

USPC D32/31, 21, 22, 24, 34; 15/350–353,
15/361–362, 347, 410–411, 414, 320–322,
15/329, 335, 246.2, 1.7, 340.2, DIG. 10
CPC A47L 5/24; A47L 11/34; A47L 5/362;
A47L 19/1666; A47L 9/325; B01D 45/12;
B01D 50/002

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,447,930	A *	5/1984	Glenn et al.	15/322
4,472,855	A *	9/1984	Murphy et al.	15/323
5,075,921	A *	12/1991	Gleadall	15/322
5,722,110	A *	3/1998	McIntyre et al.	15/329
5,996,175	A *	12/1999	Fusco	15/410
6,263,539	B1 *	7/2001	Baig	15/322
D653,825	S *	2/2012	Cho et al.	D32/22
D682,496	S *	5/2013	Bassett et al.	D32/22
8,800,102	B1 *	8/2014	Massey	15/320
2006/0156510	A1 *	7/2006	Park et al.	15/414
2009/0019663	A1 *	1/2009	Rowntree	15/347

* cited by examiner

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(57) **CLAIM**

We claim the ornamental design for a cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a cleaner showing our new design;
FIG. 2 is the front view thereof;
FIG. 3 is the rear view thereof;
FIG. 4 is the left-side view thereof;
FIG. 5 is the right-side view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof;
FIG. 8 is a right side view in an alternate position; and,
FIG. 9 is right side view in another alternate position.
The broken lines are for environmental purposes only and form no part of the claimed design.

1 Claim, 9 Drawing Sheets

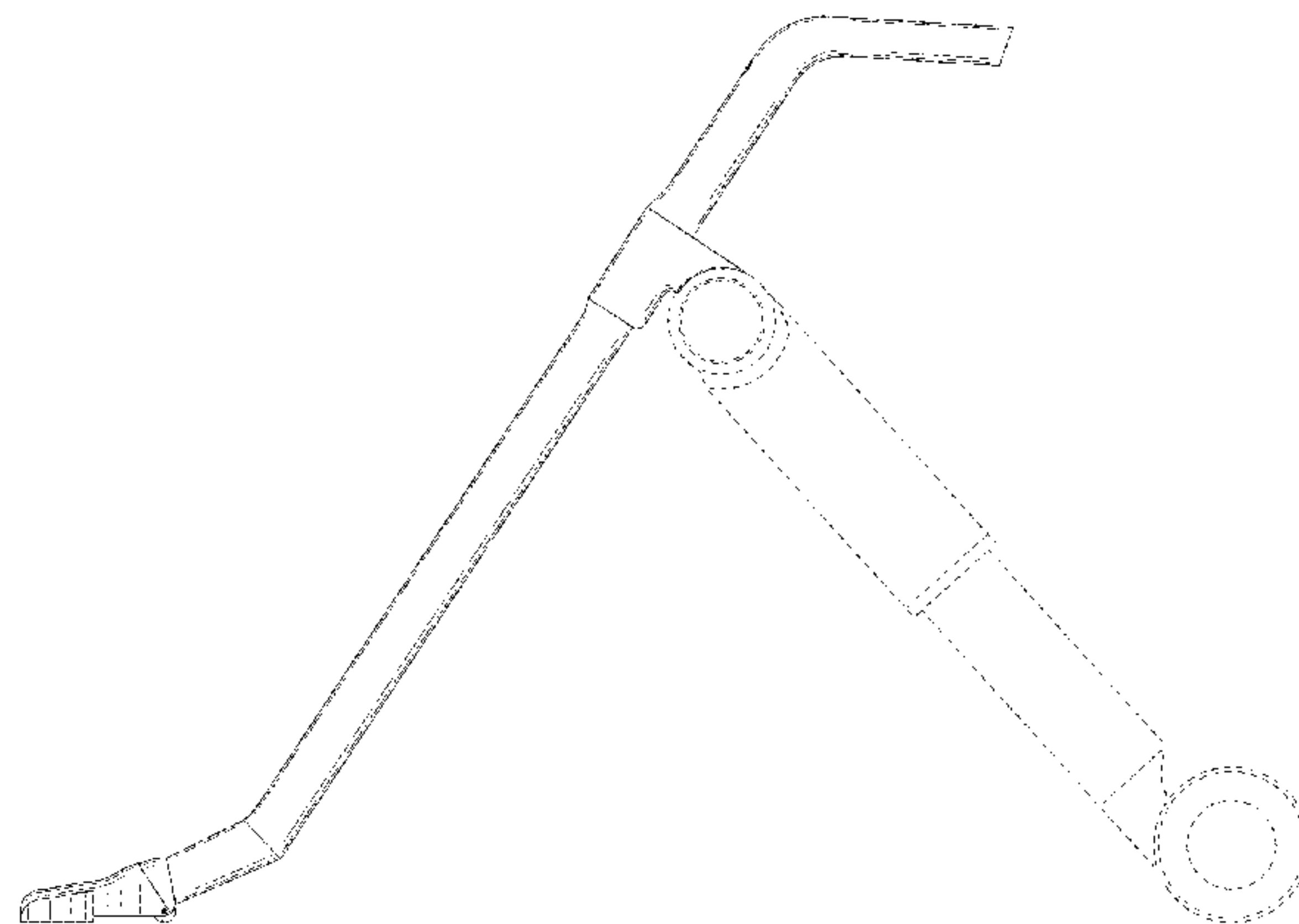
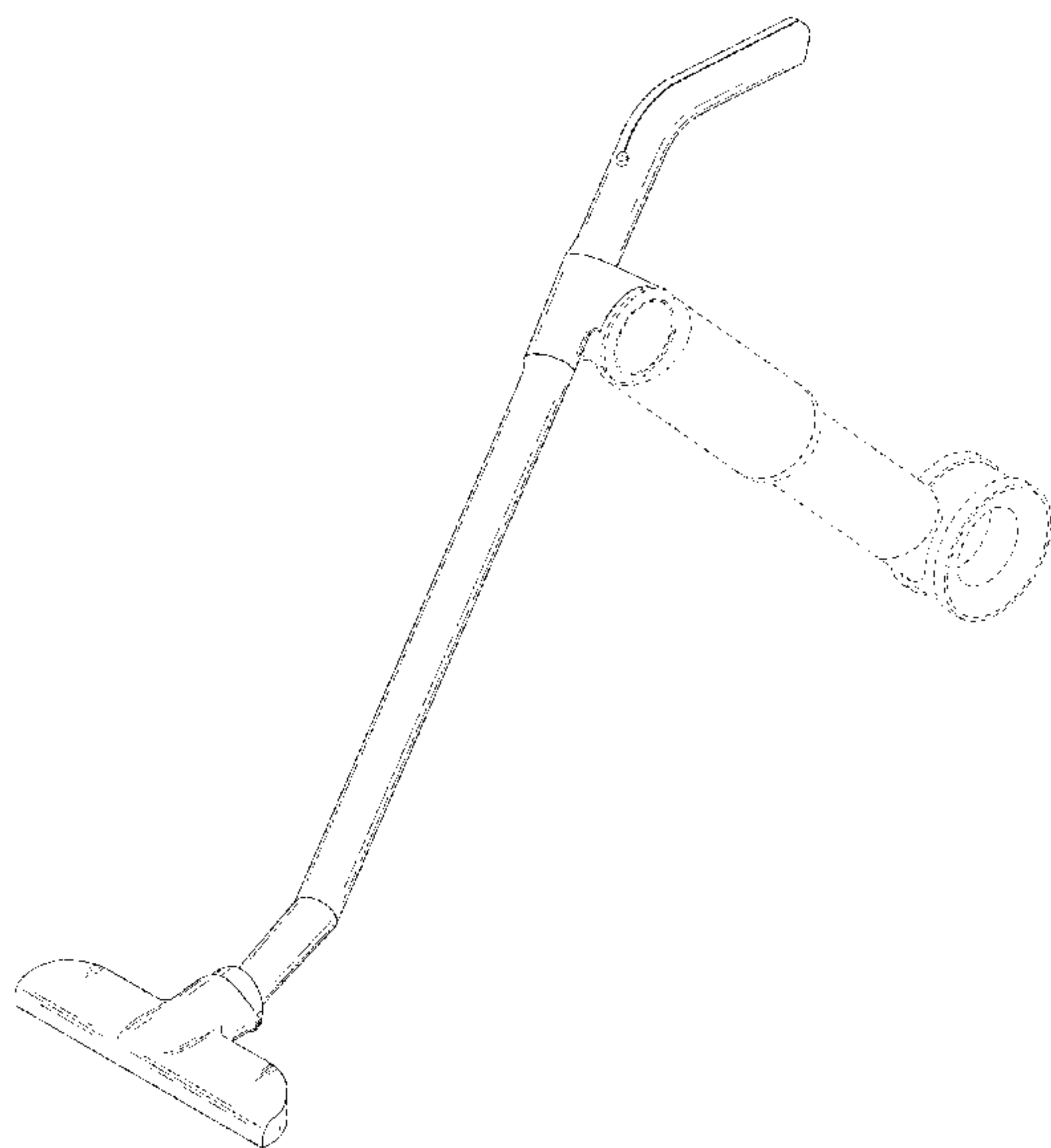


FIG. 1

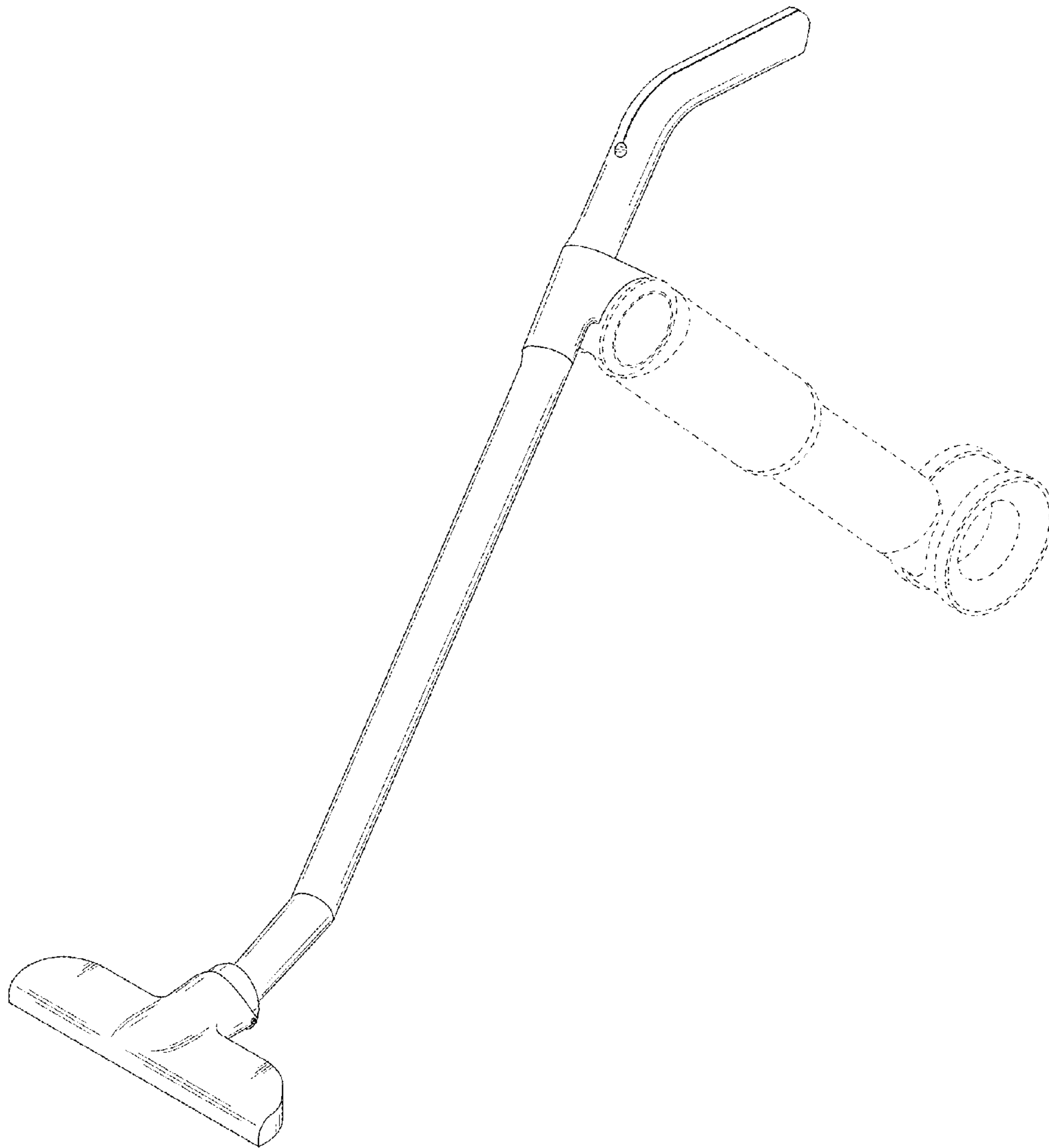


FIG. 2

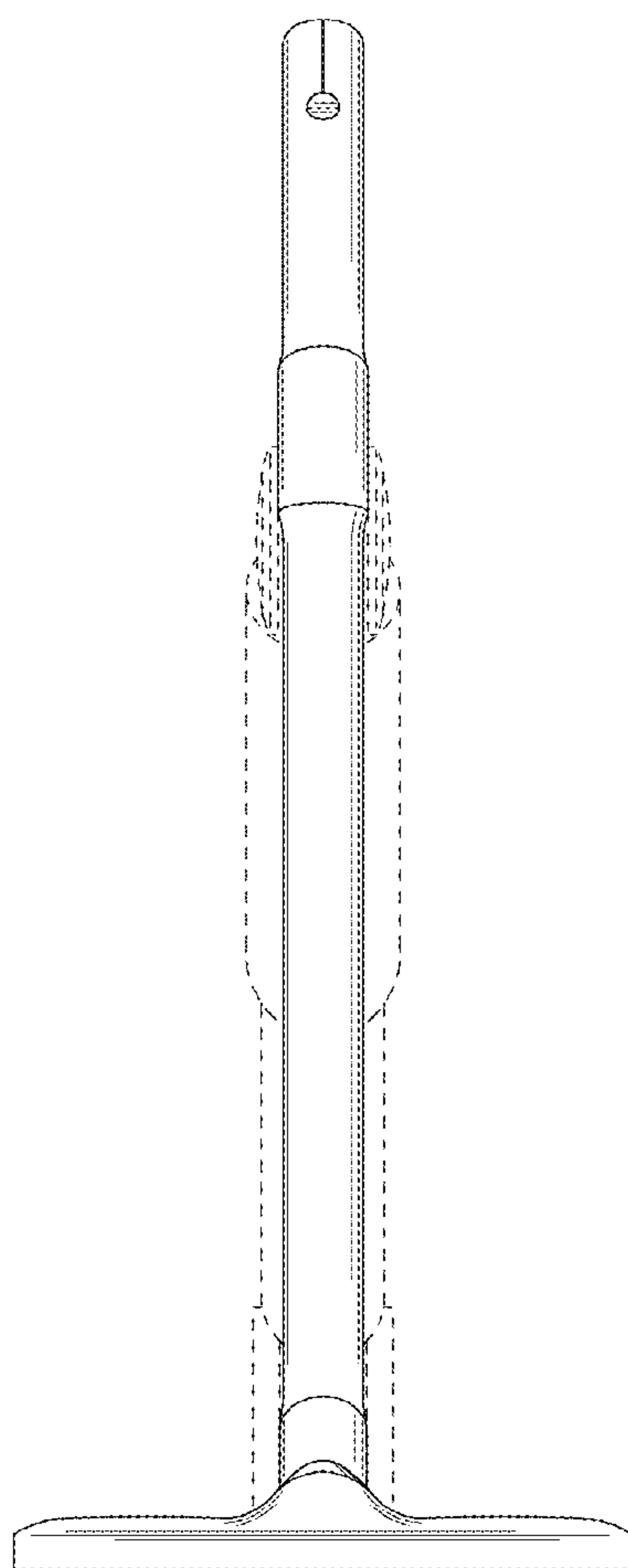


FIG. 3

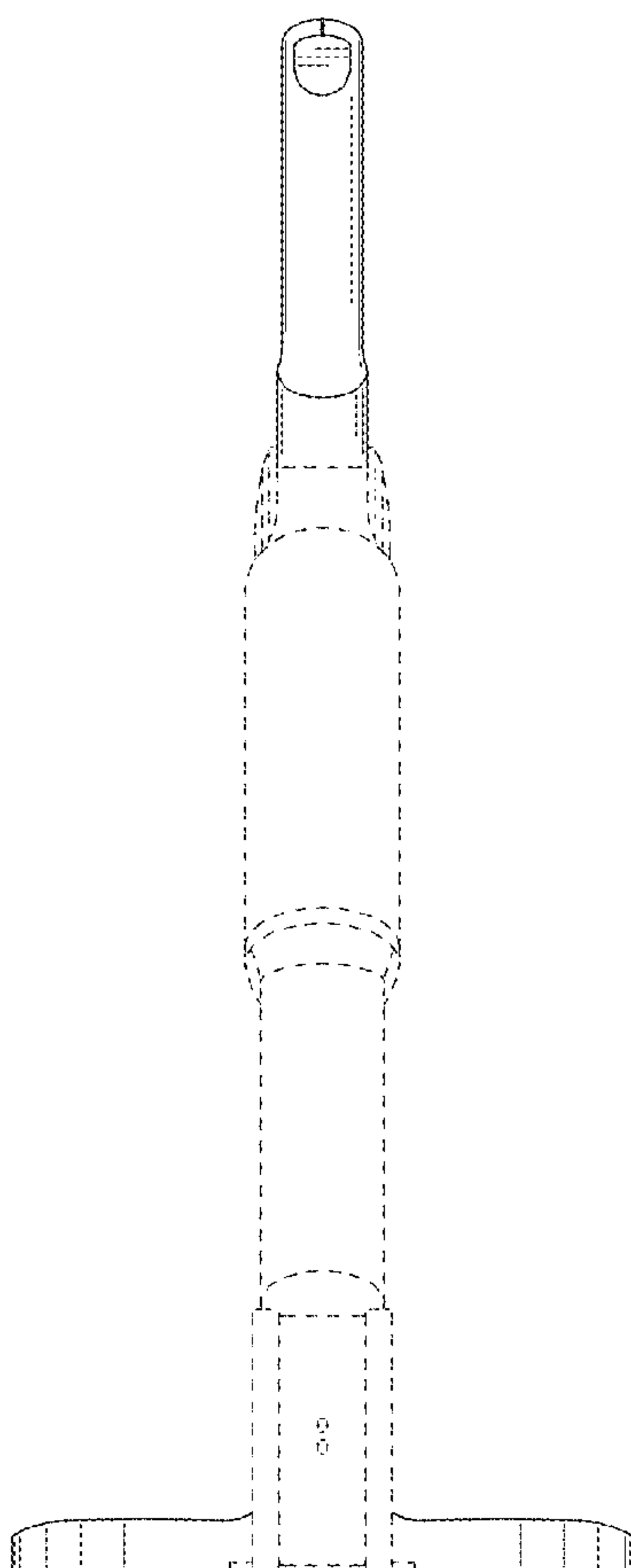


FIG. 4

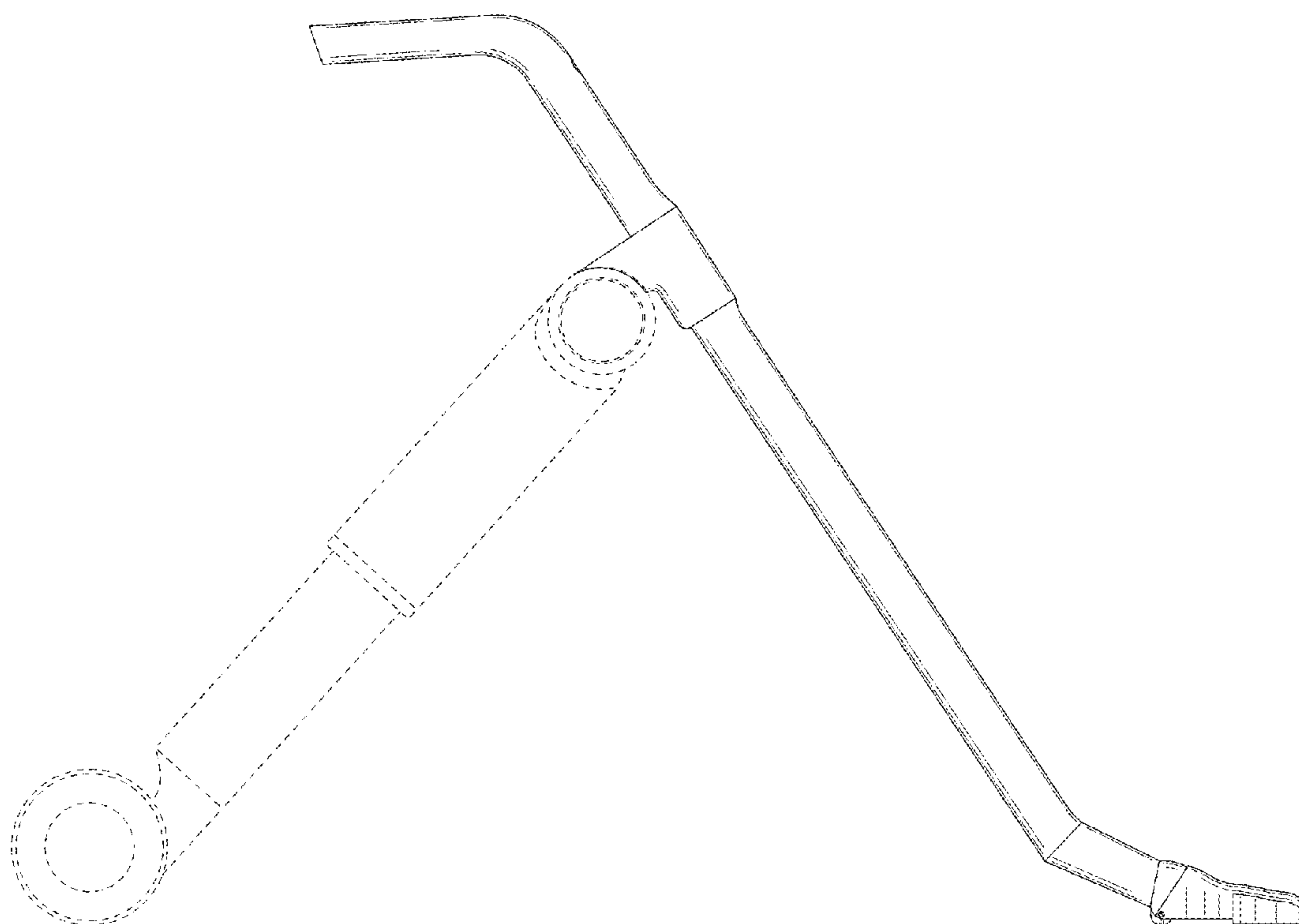


FIG. 5

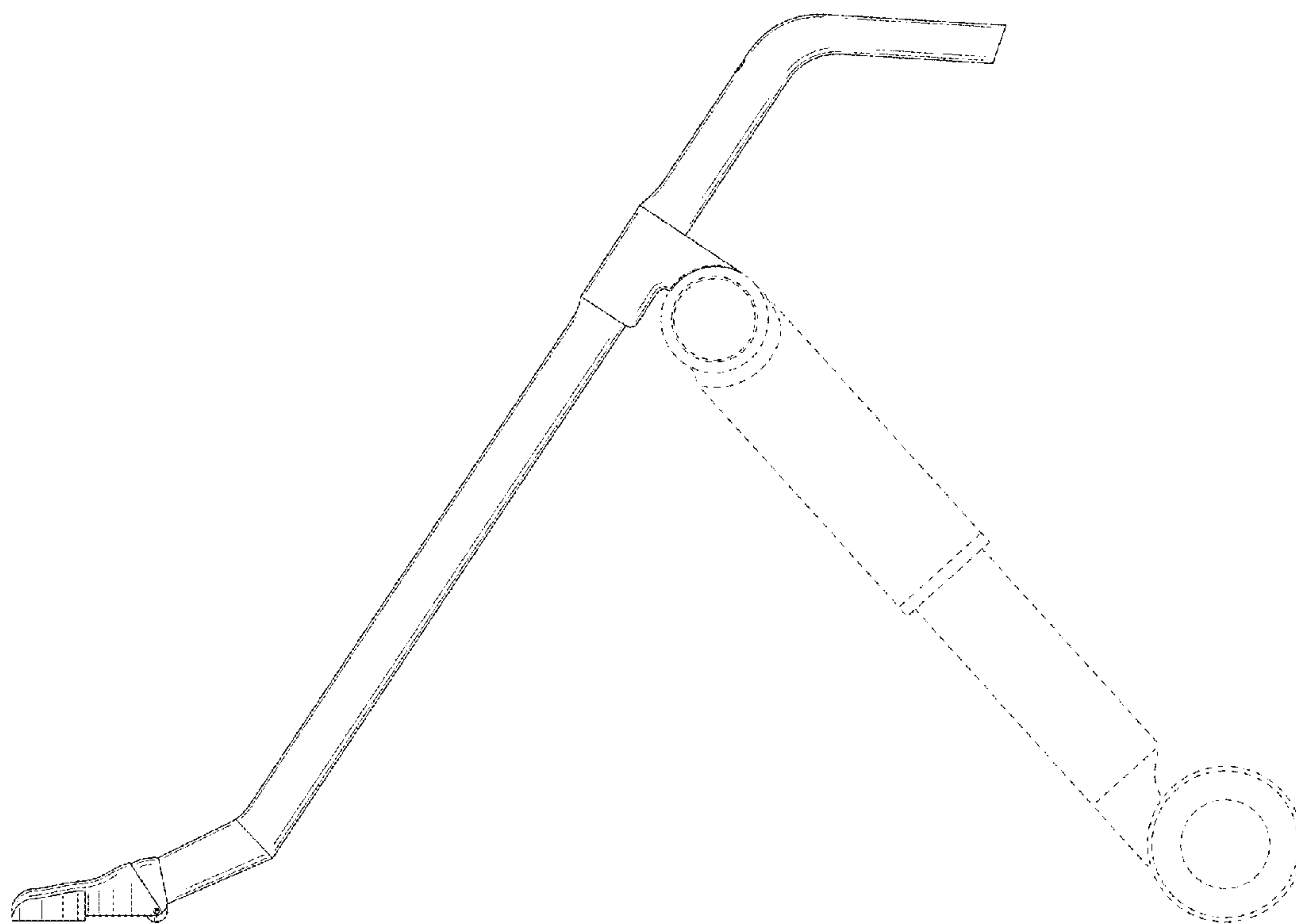


FIG. 6

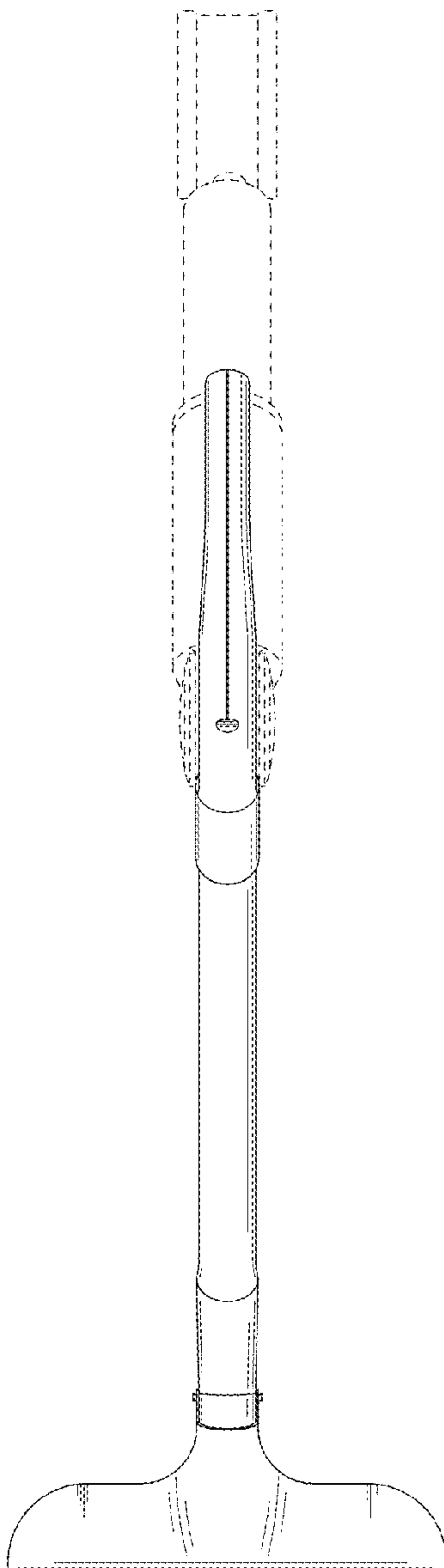


FIG. 7

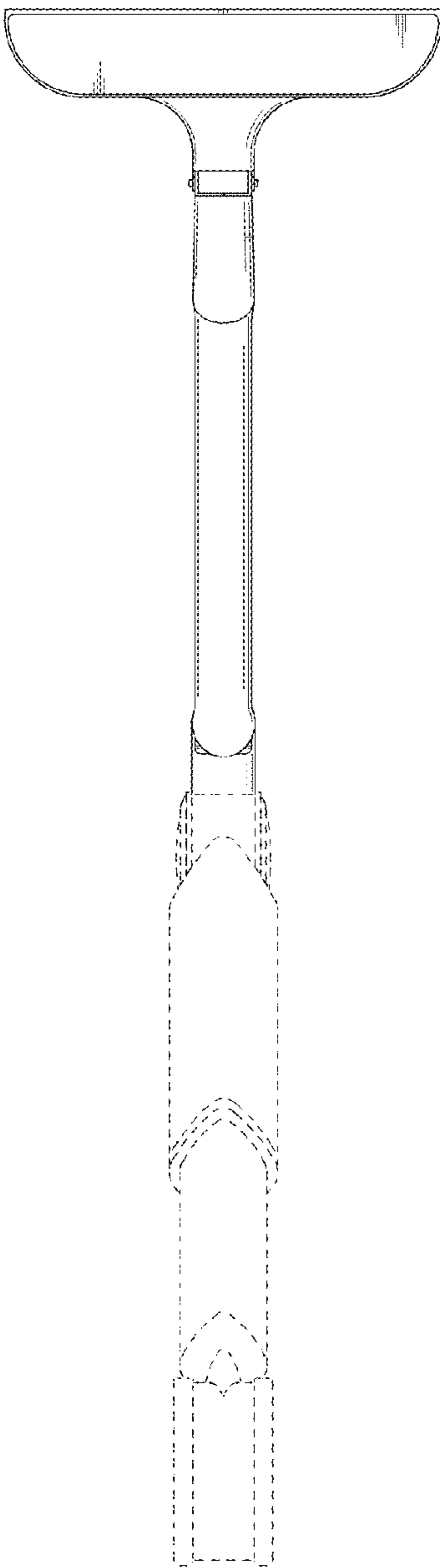


FIG. 8

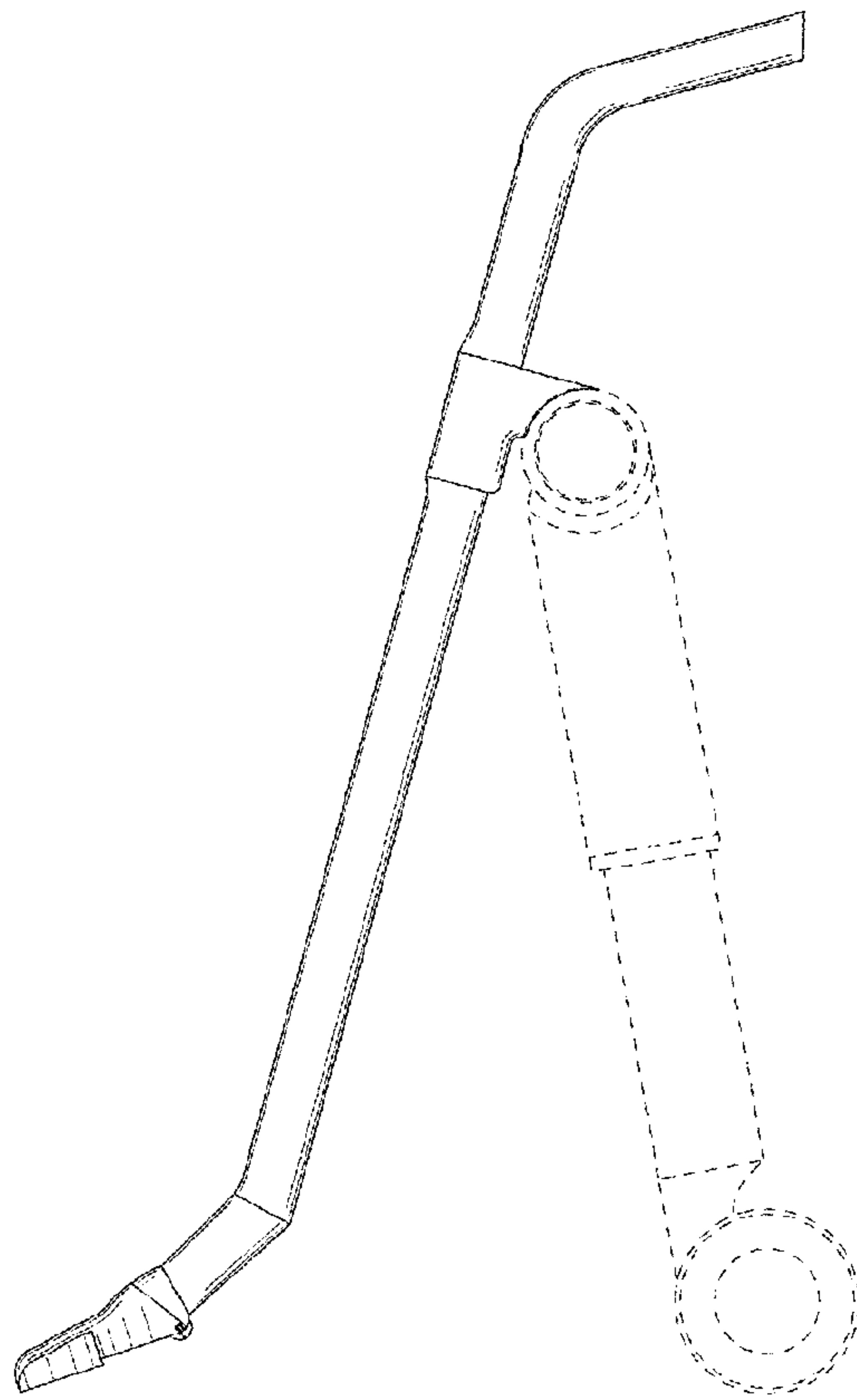


FIG. 9

