



US00D830016S

(12) **United States Design Patent** (10) **Patent No.:** **US D830,016 S**
Lim (45) **Date of Patent:** **** Oct. 2, 2018**

(54) **VACUUM CLEANER**

(56) **References Cited**

(71) Applicant: **LG ELECTRONICS INC.**, Seoul (KR)

U.S. PATENT DOCUMENTS

(72) Inventor: **Heeseung Lim**, Seoul (KR)

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D818,222 S *	5/2018	Nam	D32/18
D818,223 S *	5/2018	Nam	D32/18

(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

* cited by examiner

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

Primary Examiner — Robert M. Spear

(21) Appl. No.: **35/503,297**

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

(22) Filed: **Jan. 2, 2017**

(57) **CLAIM**

The ornamental design for a vacuum cleaner, as shown and described.

(80) **Hague Agreement Data**

DESCRIPTION

Int. Filing Date: **Jan. 2, 2017**
Int. Reg. No.: **DM/094282**
Int. Reg. Date: **Jan. 2, 2017**
Int. Reg. Pub. Date: **Jul. 7, 2017**

1. Vacuum cleaner
- 1.1: Top right front perspective view;
- 1.2: Front elevational view;
- 1.3: Rear elevational view;
- 1.4: Left side elevational view;
- 1.5: Right side elevational view;
- 1.6: Top plan view;
- 1.7: Bottom plan view;
- 1.8: Top right front perspective view with an unattached unclaimed vacuum cleaner suction nozzle shown in broken lines forming no part of the claim; and
- 1.9: Top right front perspective view with an attached unclaimed vacuum cleaner suction nozzle shown in broken lines forming no part of the claim.

(30) **Foreign Application Priority Data**

Jul. 6, 2016 (KR) 30-2016-0032988

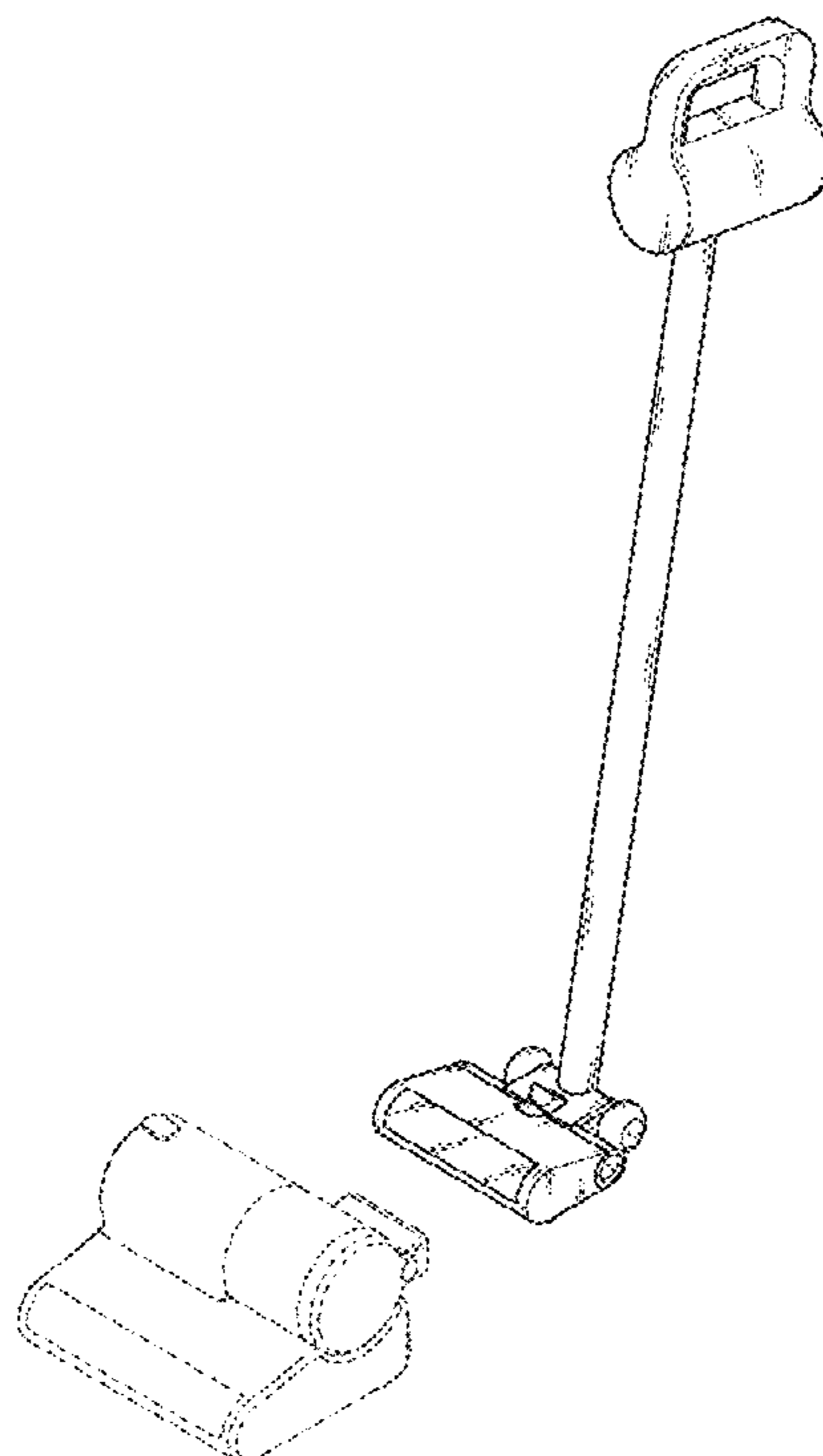
(51) **LOC (11) Cl.** **15-05**

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

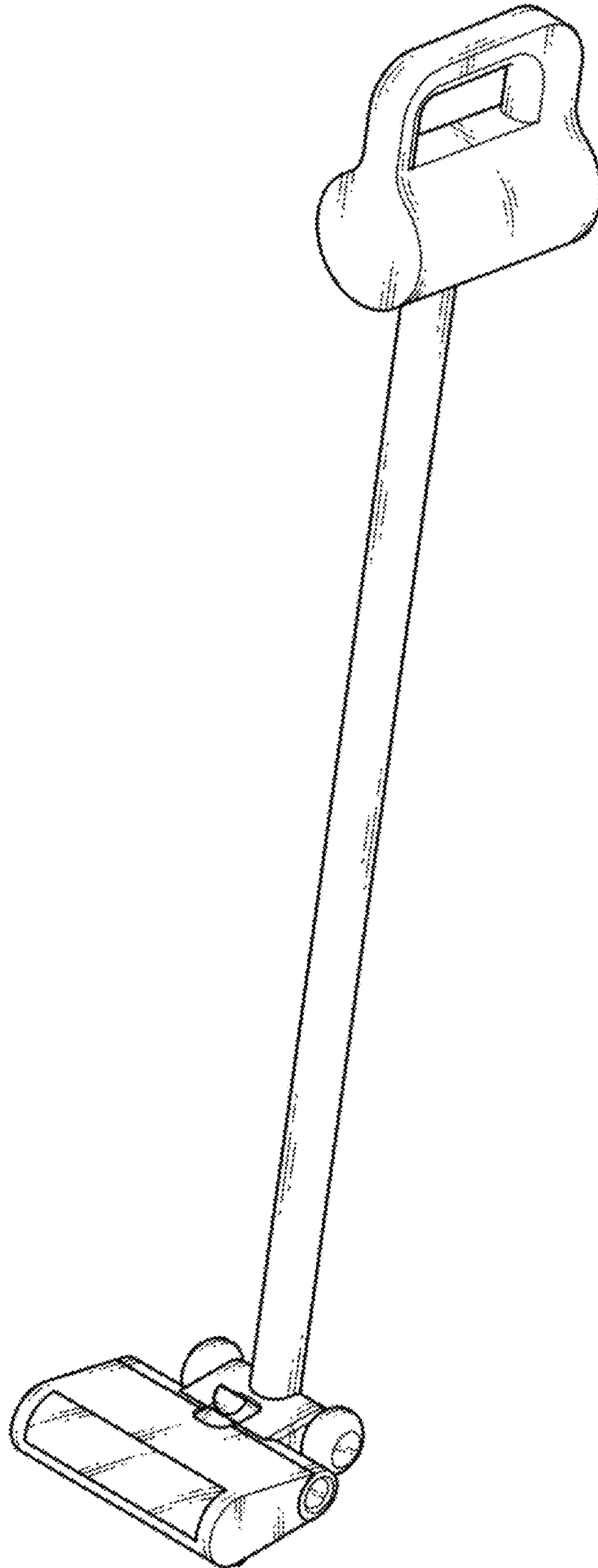
(58) **Field of Classification Search**
USPC D32/21, 22, 23, 30, 31, 32
CPC A47L 5/24; A47L 5/28; A47L 2201/04;
A47L 2201/00; A47L 2201/024

See application file for complete search history.

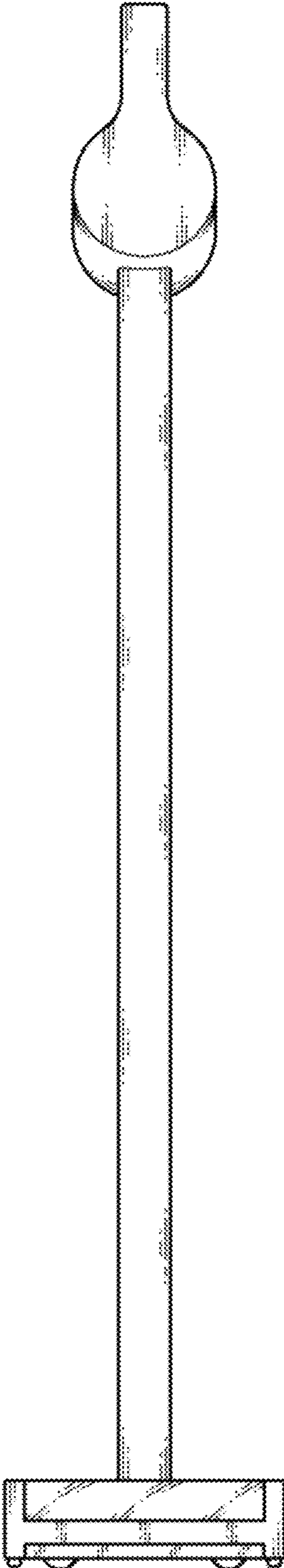
1 Claim, 9 Drawing Sheets



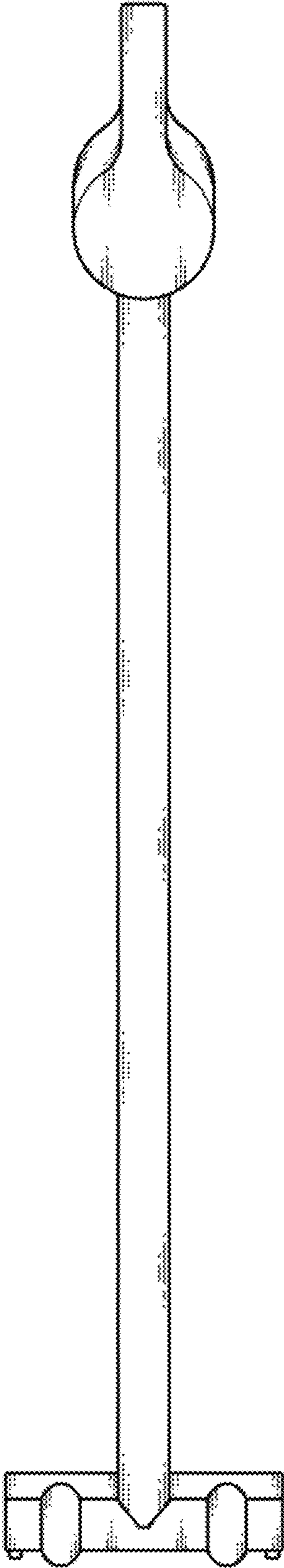
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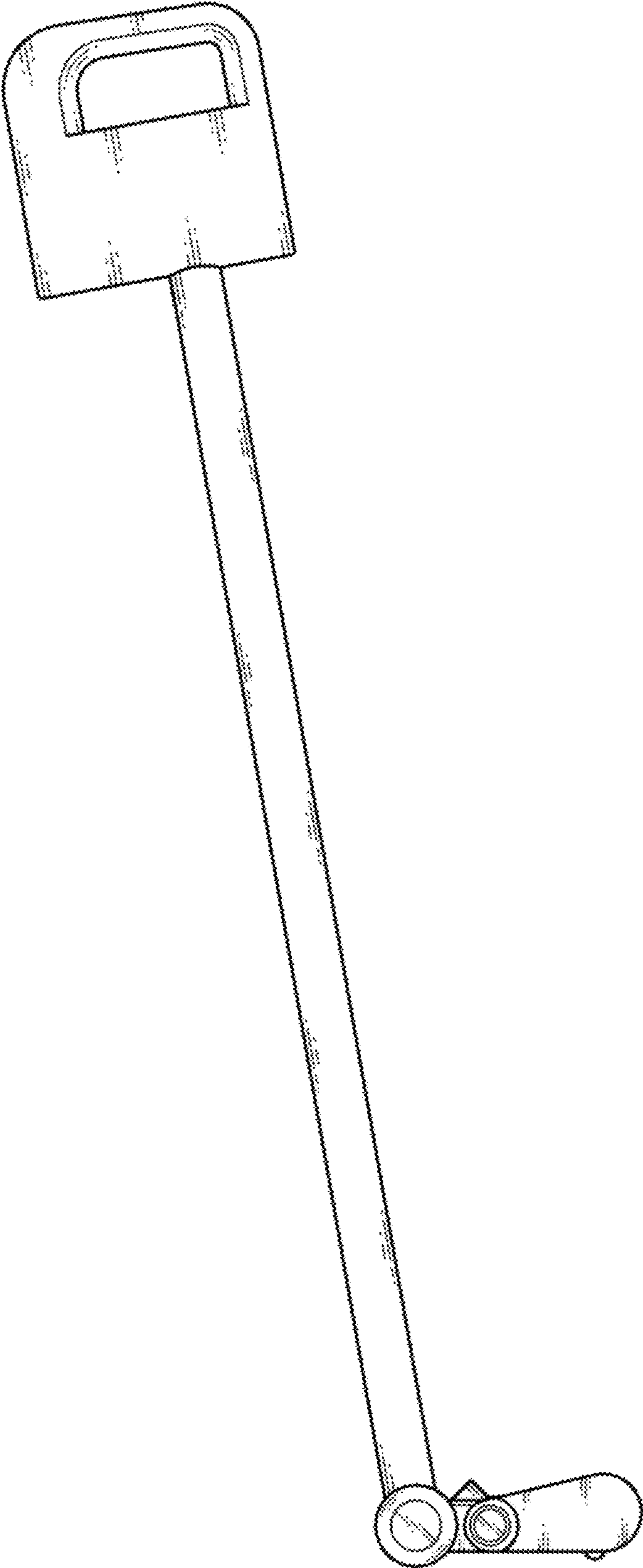
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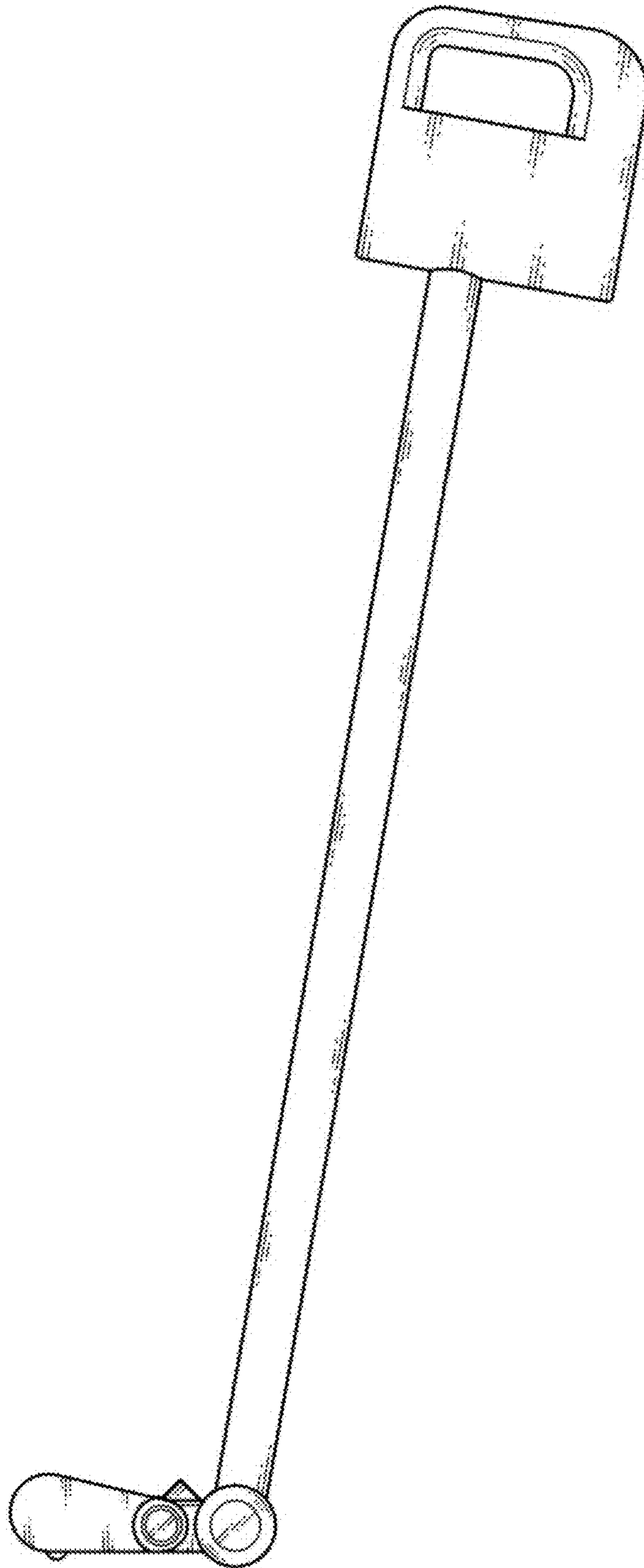
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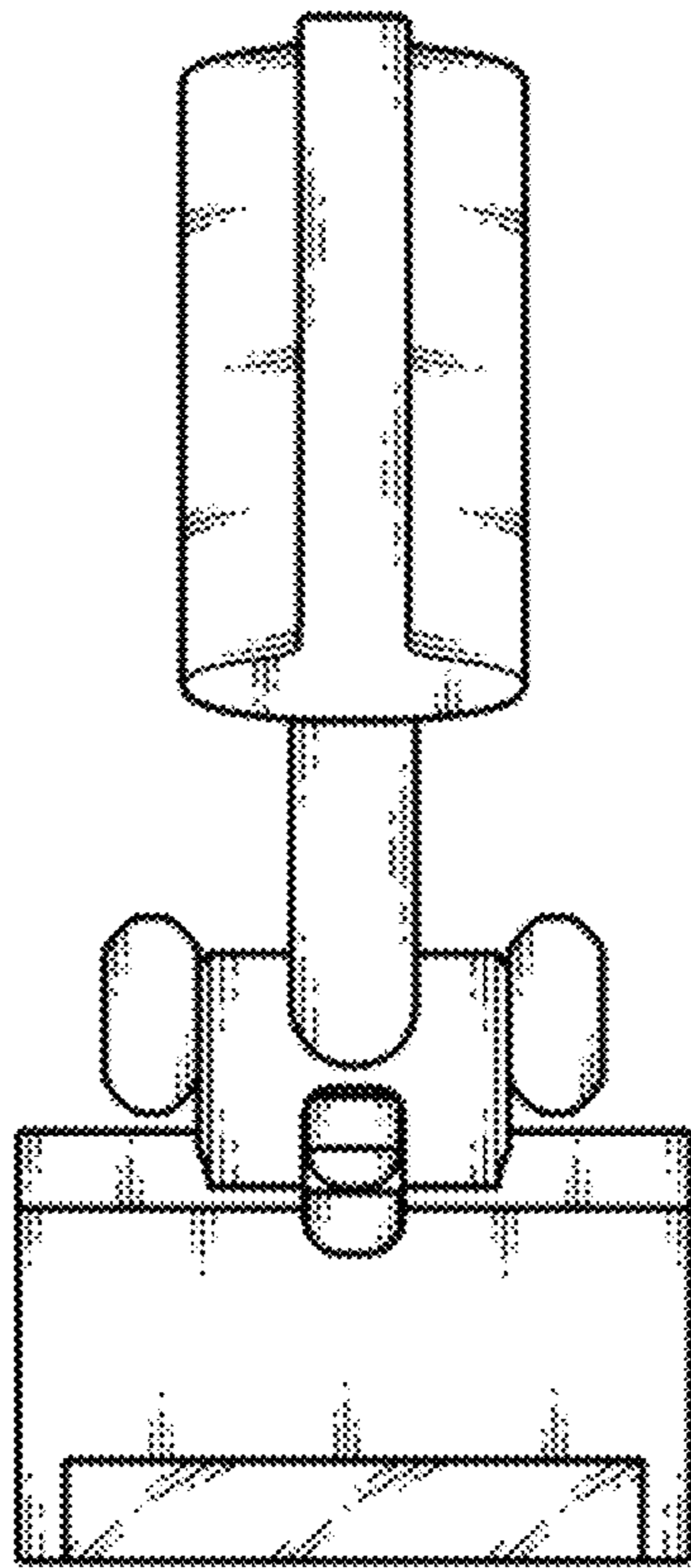
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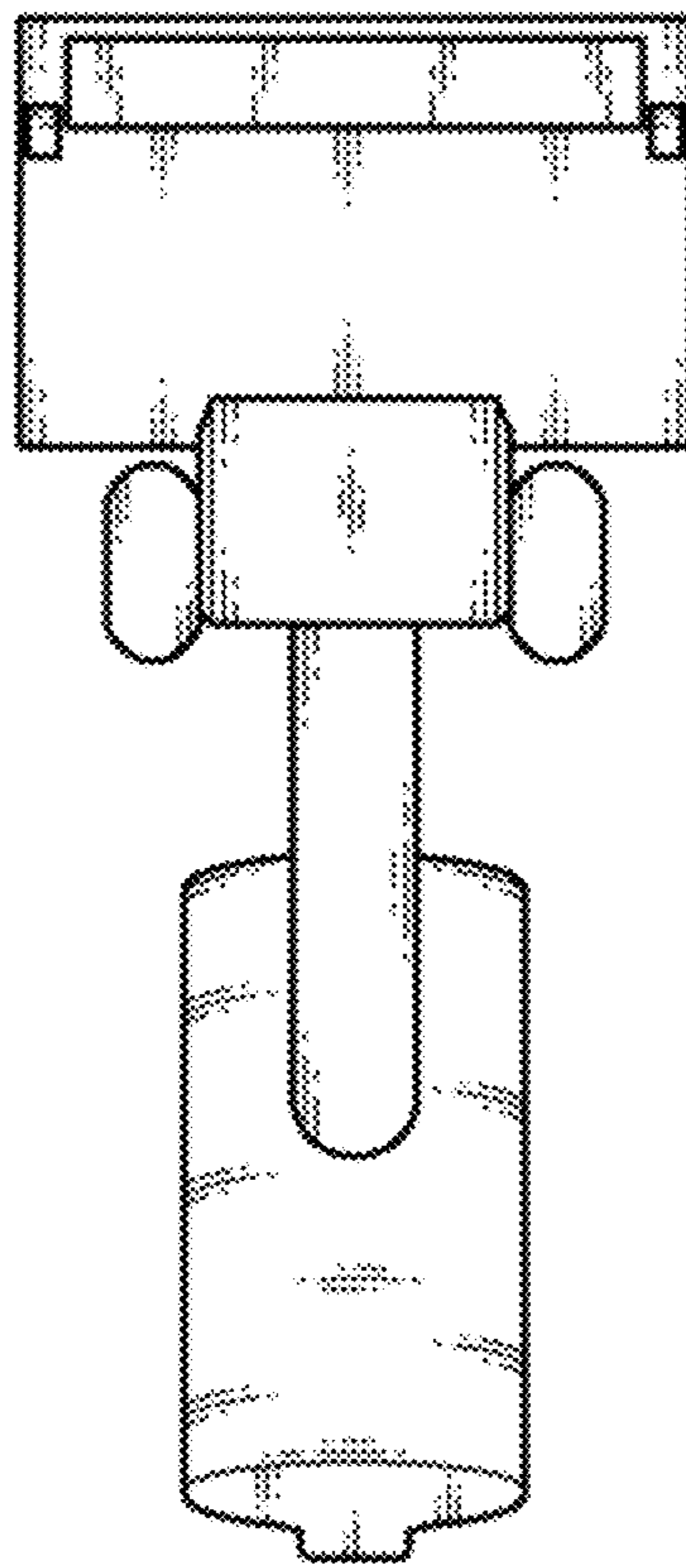
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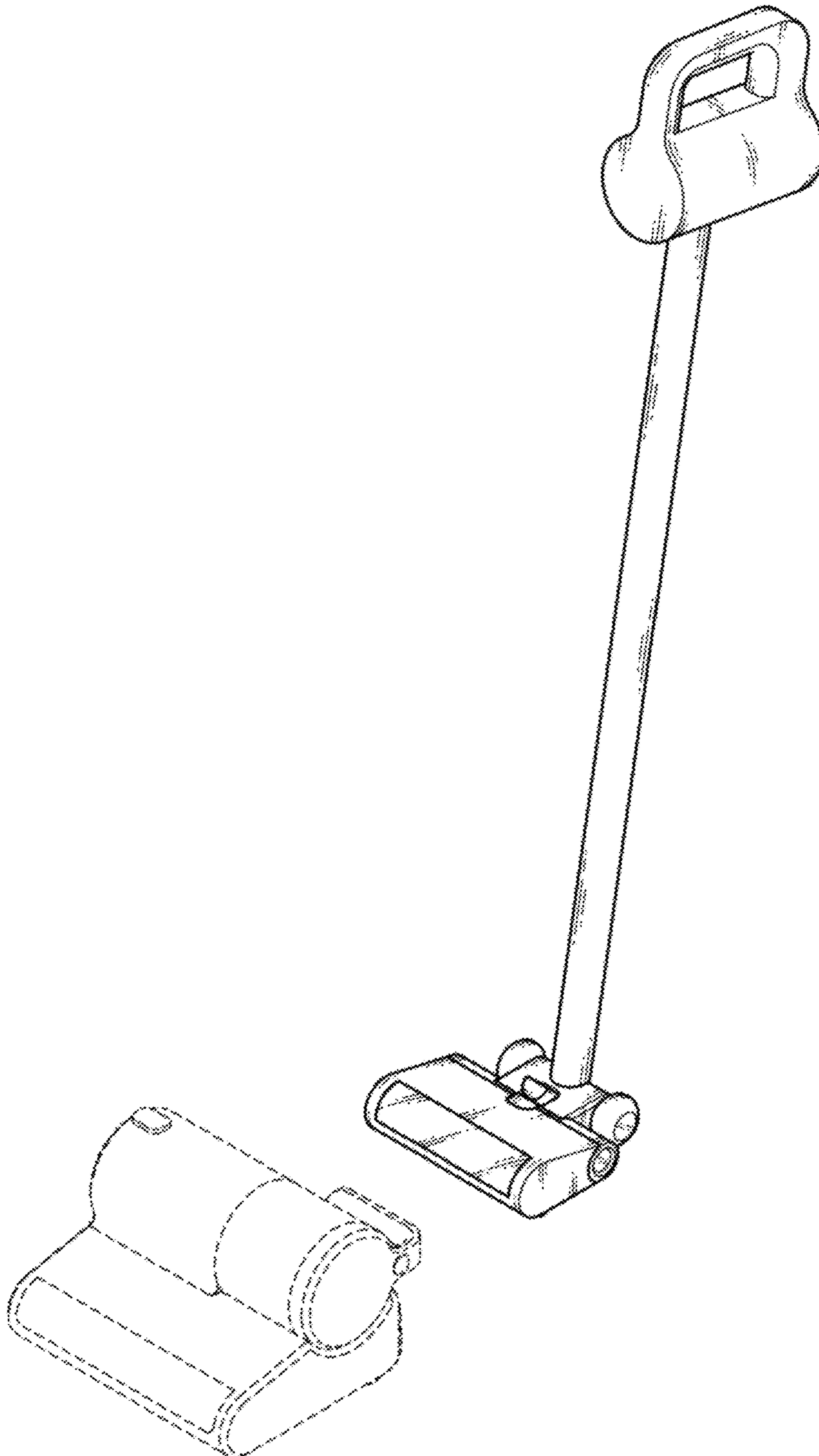
1.6



1.7



1.8



1.9

