US0D1065958S

(12) United States Design Patent

Chu et al.

(10) Patent No.: US D1,065,958 S
(45) Date of Patent: ** Mar. 11, 2025

(54) **BENDING TOOL**

(71) Applicant: **Acclarent, Inc.**, Irvine, CA (US)

(72) Inventors: **Brittanie Chu**, Chino Hills, CA (US); **Raymond Yue-sing Tang**, Rosemead, CA (US)

(73) Assignee: **Acclarent, Inc.**, Irvine, CA (US)

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

(21) Appl. No.: **29/897,191**

(22) Filed: **Jul. 12, 2023**

(51) **LOC (15) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/140**; D8/32

(58) **Field of Classification Search**
USPC D24/133, 140; D8/14, 32, 51
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,466,381 A 4/1949 Clouse
2,907,368 A * 10/1959 Barnes B21D 7/022 72/457

(Continued)

FOREIGN PATENT DOCUMENTS

CN 102756024 A 10/2012

OTHER PUBLICATIONS

International Search Report and Written Opinion of Application No. PCT/US2024/037614, dated Dec. 4, 2024, 21 pages.

Primary Examiner — Philip S Hyder

(74) *Attorney, Agent, or Firm* — Morgan, Lewis & Bockius LLP

(57) **CLAIM**

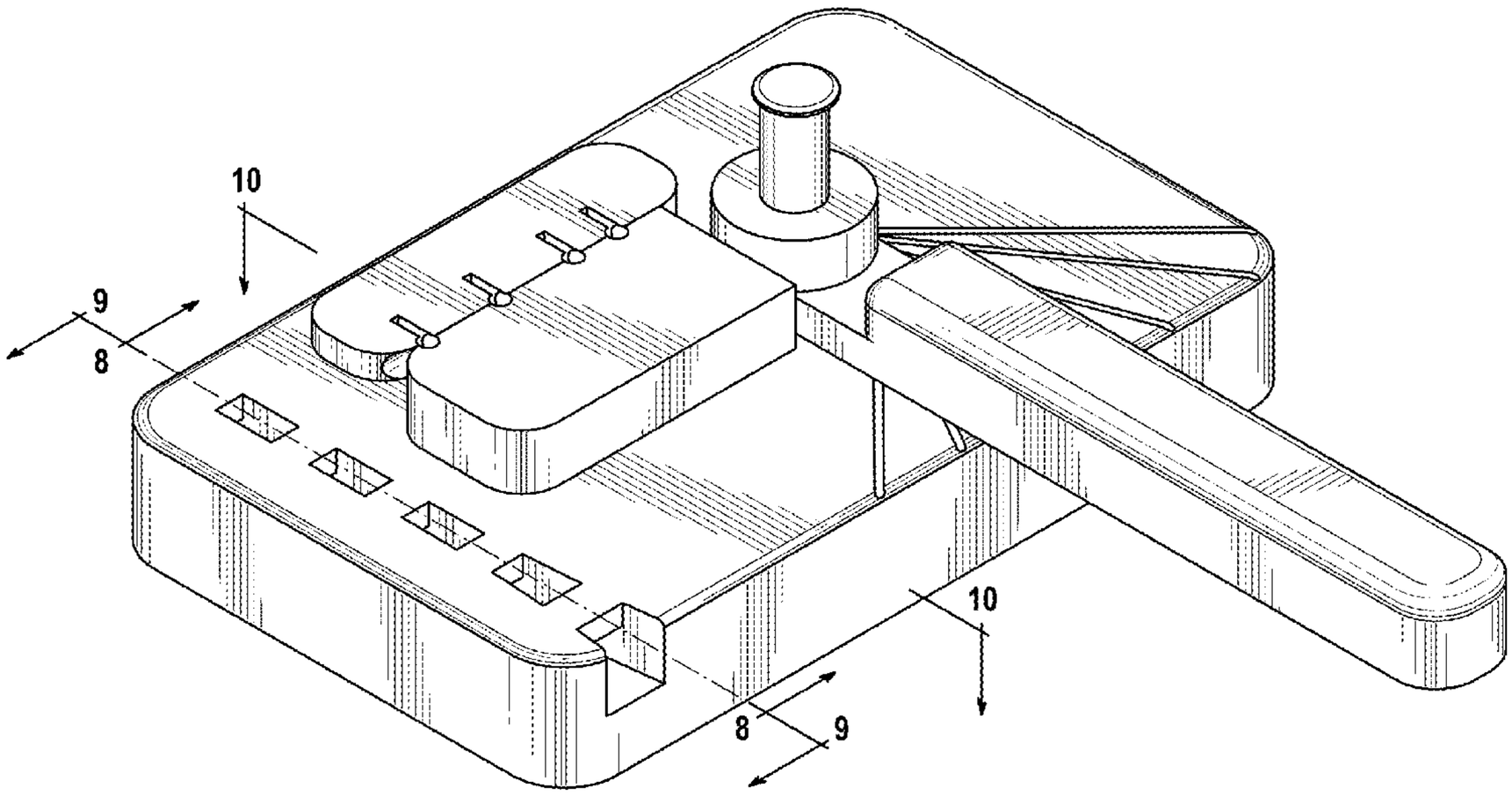
The ornamental design for a bending tool as shown and described.

DESCRIPTION

FIG. **1** is a top perspective view of a bending tool, showing our new design;
FIG. **2** is a front elevational view of the bending tool of FIG. **1**;
FIG. **3** is a back elevational view of the bending tool of FIG. **1**;
FIG. **4** is a left elevational view of the bending tool of FIG. **1**;
FIG. **5** is a right elevational view of the bending tool of FIG. **1**;
FIG. **6** is a top plan view of the bending tool of FIG. **1**;
FIG. **7** is a bottom plan view of the bending tool of FIG. **1**;
FIG. **8** is as cross-sectional view of the bending tool of FIG. **1**, taken along line **8-8** of FIG. **1**;
FIG. **9** is as cross-sectional view of the bending tool of FIG. **1**, taken along line **9-9** of FIG. **1**;
FIG. **10** is as cross-sectional view of the bending tool of FIG. **1**, taken along line **10-10** of FIG. **1**;
FIG. **11** is a perspective view of another embodiment of a bending tool, showing our new design;
FIG. **12** is a front elevational view of the bending tool of FIG. **11**;
FIG. **13** is a back elevational view of the bending tool of FIG. **11**;
FIG. **14** is a left elevational view of the bending tool of FIG. **11**;
FIG. **15** is a right elevational view of the bending tool of FIG. **11**;
FIG. **16** is a top plan view of the bending tool of FIG. **11**; and,
FIG. **17** is a bottom plan view of the bending tool of FIG. **11**.

The broken line showings aspects of the bending tool in FIGS. **11** through **16** form no part of the claimed design.

1 Claim, 17 Drawing Sheets



(58) **Field of Classification Search**
CPC A61F 9/00745; A61B 17/8863; A61B 2090/067; B21D 7/063; B21D 7/022
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,236,082	A	2/1966	Beck et al.	
3,732,721	A *	5/1973	Cusimano	B21D 11/12 72/217
3,808,867	A *	5/1974	Becker	B21D 7/063 72/321
4,249,407	A	2/1981	Fogelman	
4,788,847	A *	12/1988	Sterghos	B21D 7/06 72/389.8
D319,376	S *	8/1991	Young	D8/32
5,632,086	A *	5/1997	Helwig	B21F 1/06 72/457
5,819,571	A *	10/1998	Johnson	A61F 9/00745 72/31.12
D416,566	S *	11/1999	Perez	D15/123
6,128,944	A *	10/2000	Haynes	B21F 1/002 72/458
6,993,950	B2 *	2/2006	Bryan	B21D 7/02 72/464
7,624,608	B1 *	12/2009	Karty	B21D 7/063 81/177.1
8,359,892	B1 *	1/2013	Karty	B21F 1/002 81/177.1
9,839,463	B2 *	12/2017	Dominik	B21D 7/063
D936,222	S *	11/2021	Ebrahimi	D24/140
2016/0089707	A1	3/2016	Cheng	
2023/0200809	A1 *	6/2023	Wahl	A61B 17/064 606/101
2024/0165687	A1 *	5/2024	DePierri	B21D 9/055

* cited by examiner

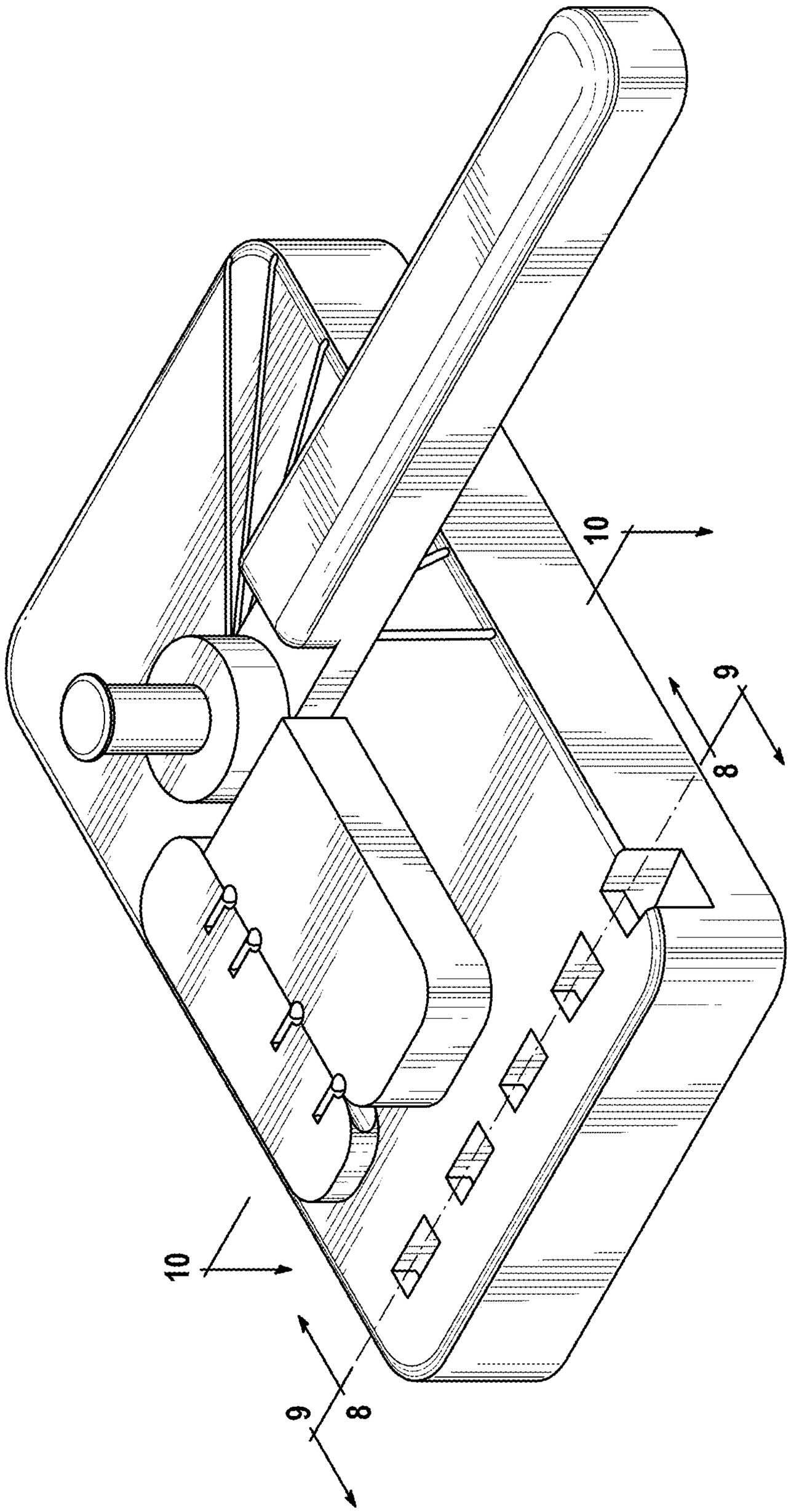


FIG. 1

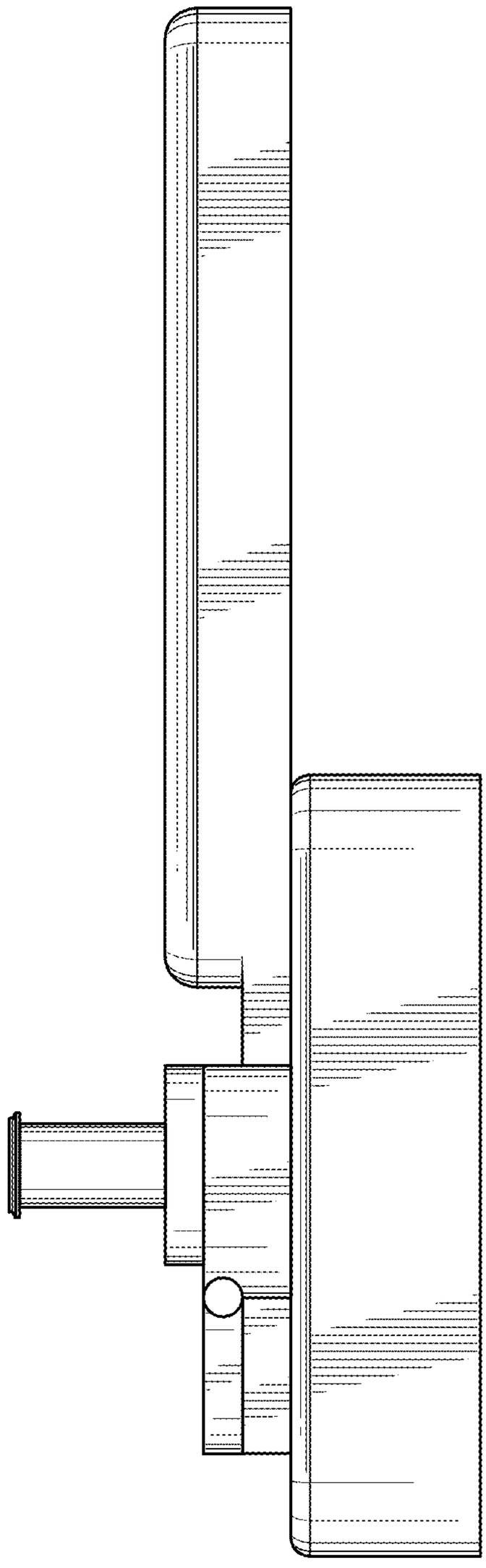


FIG. 2

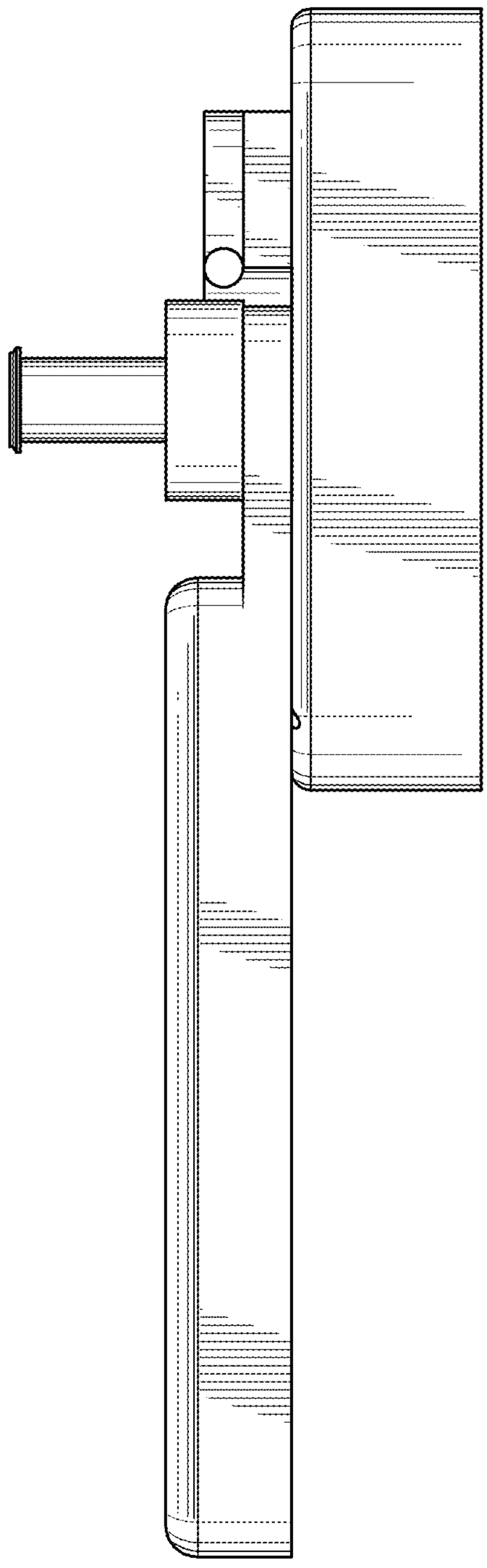


FIG. 3

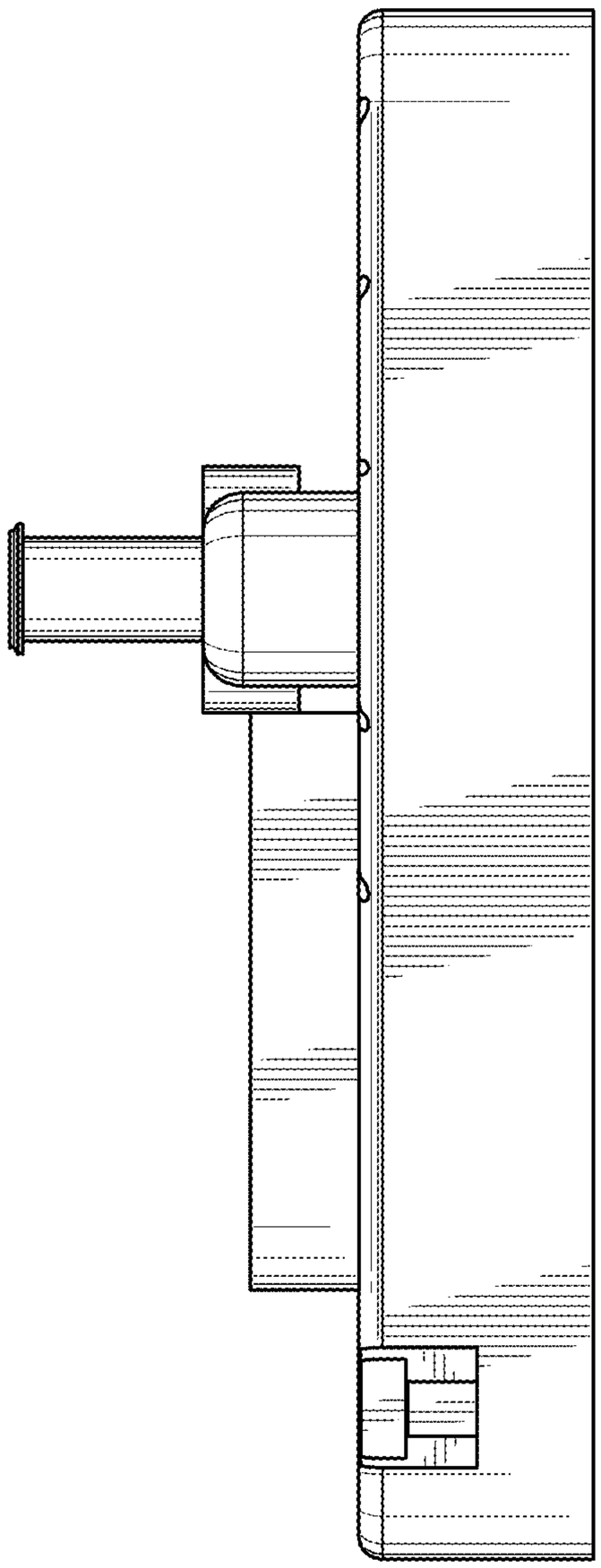


FIG. 4

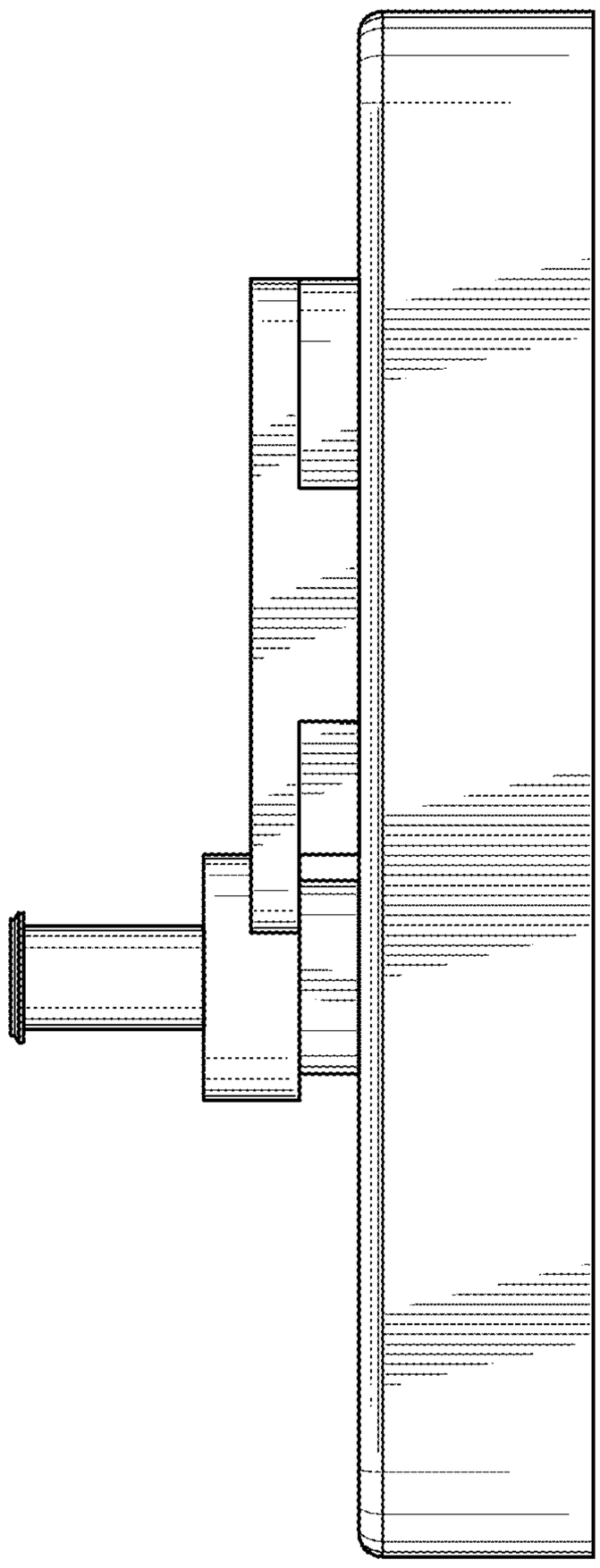


FIG. 5

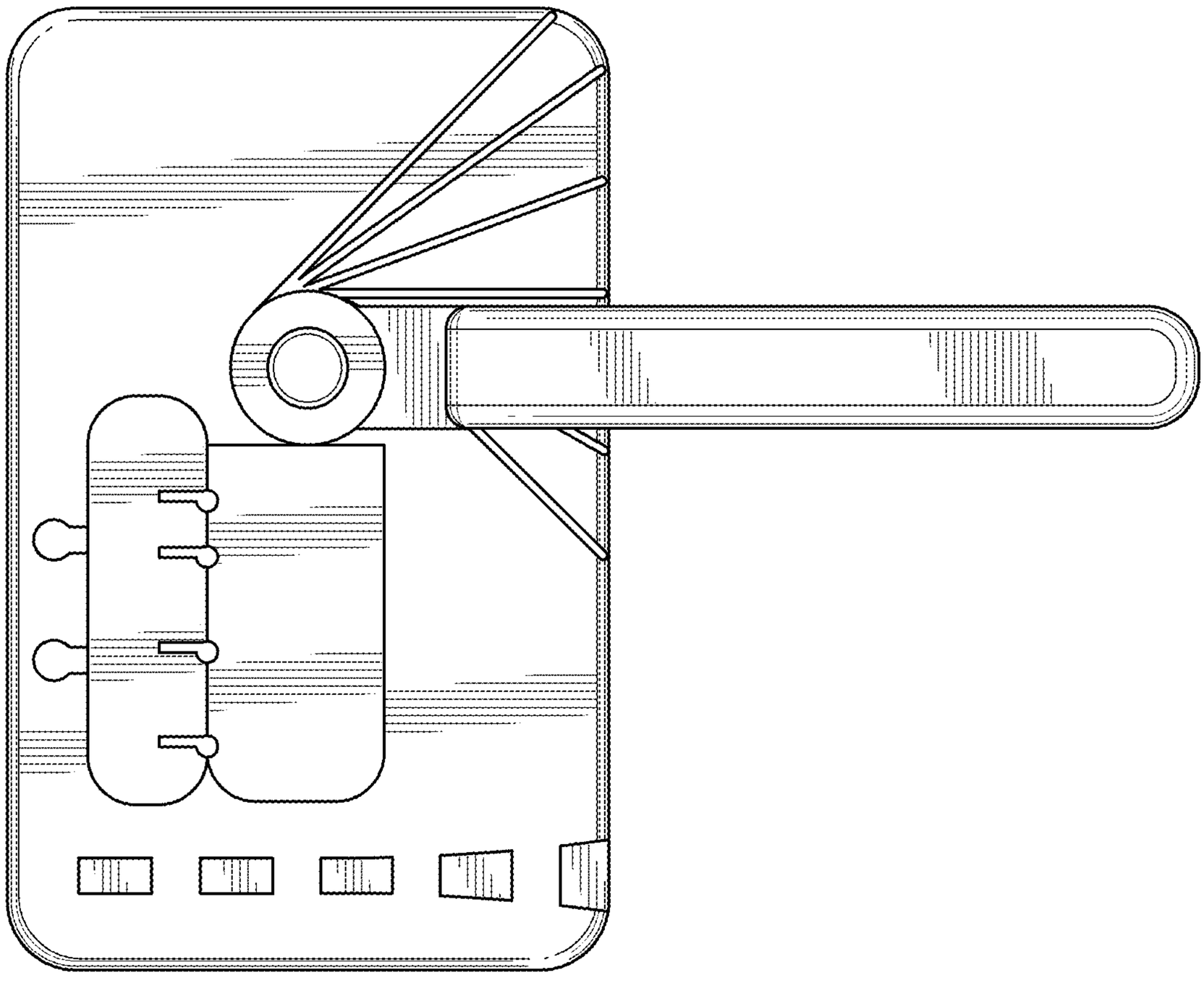


FIG. 6

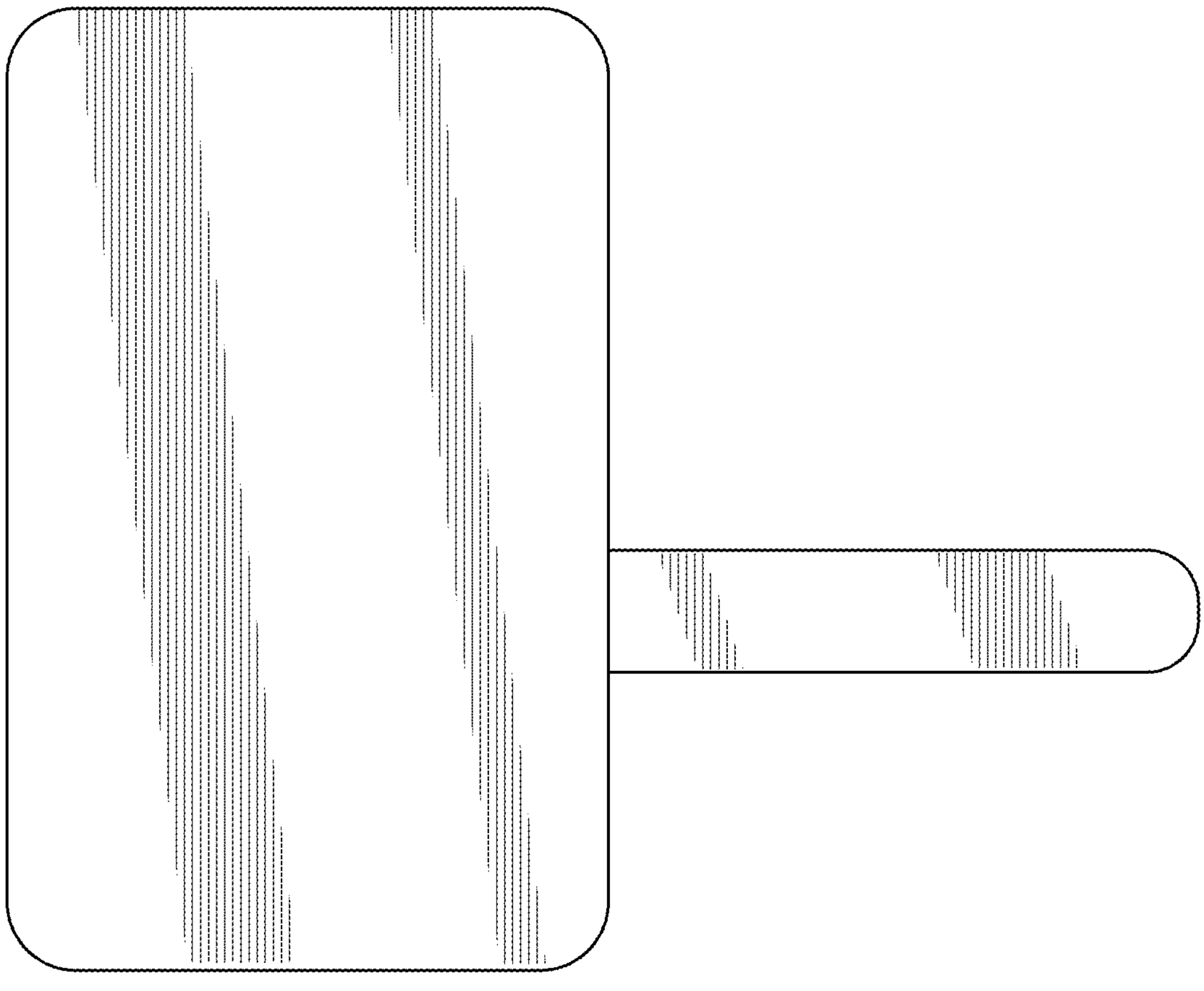


FIG. 7

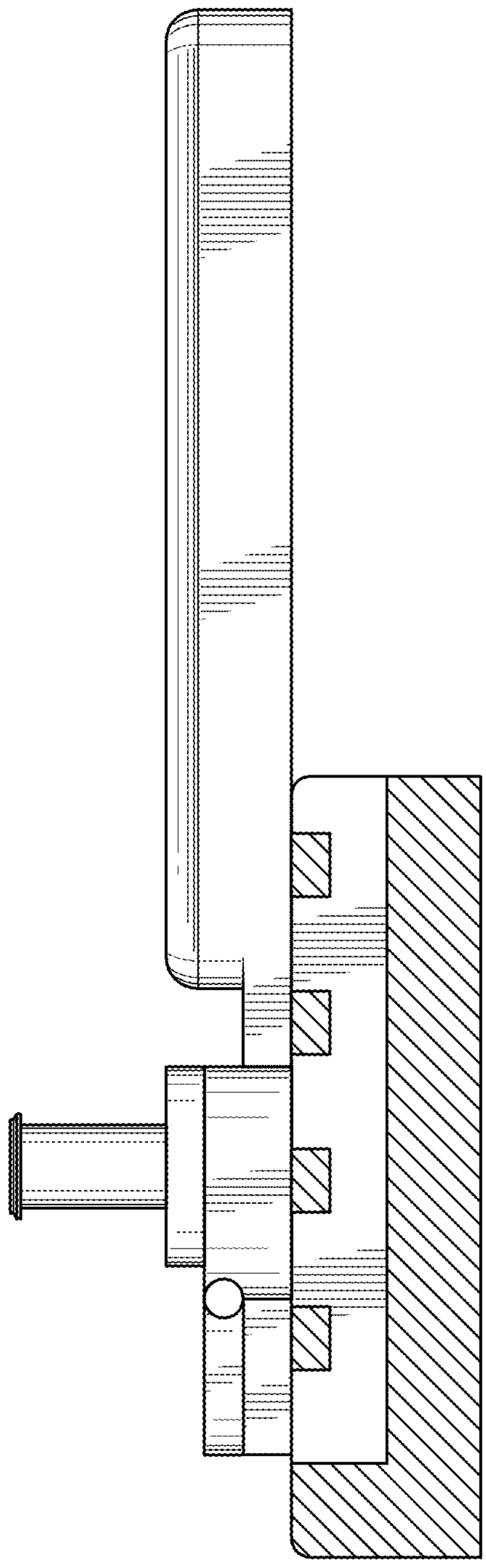


FIG. 8

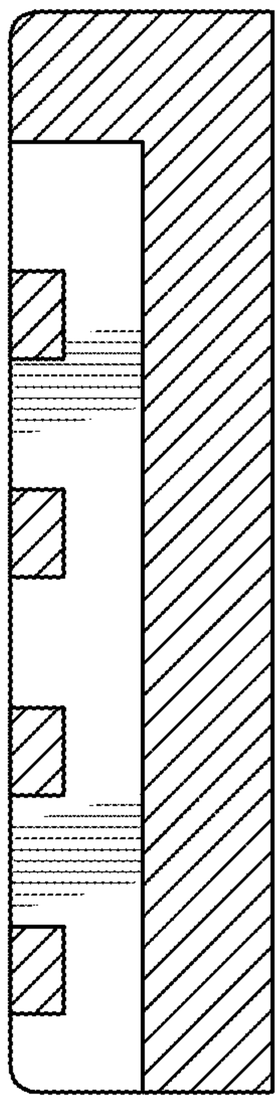


FIG. 9

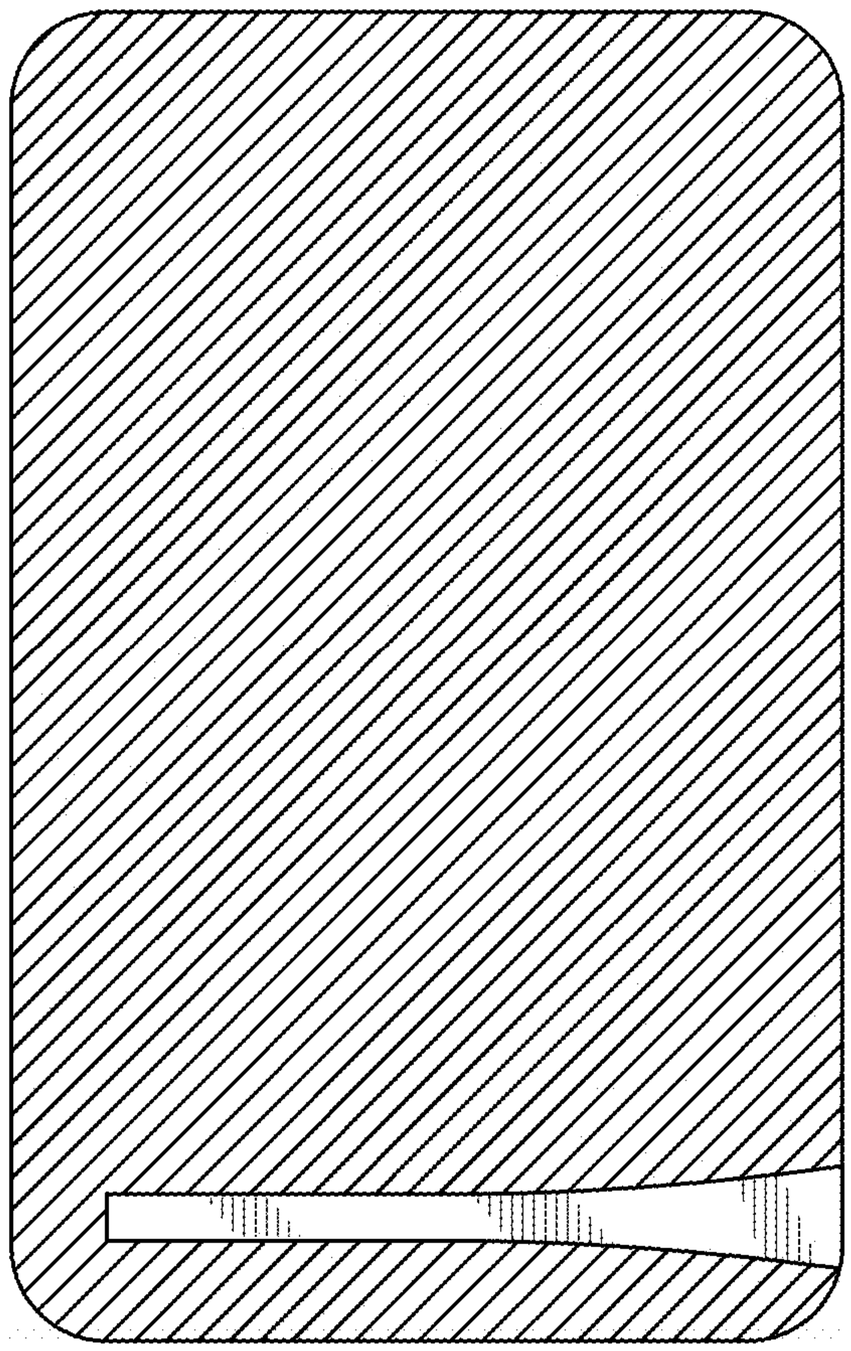


FIG. 10

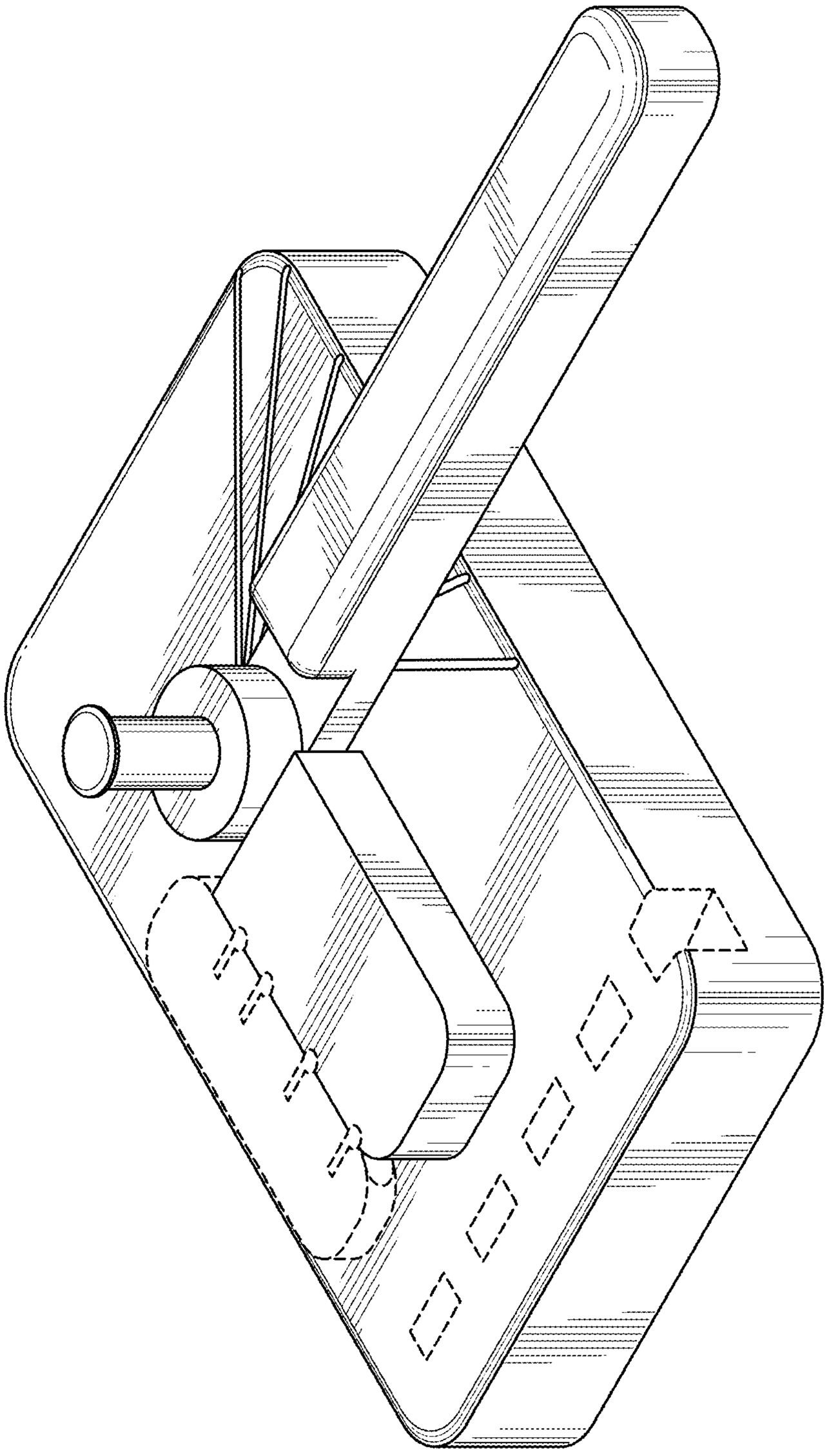


FIG. 11

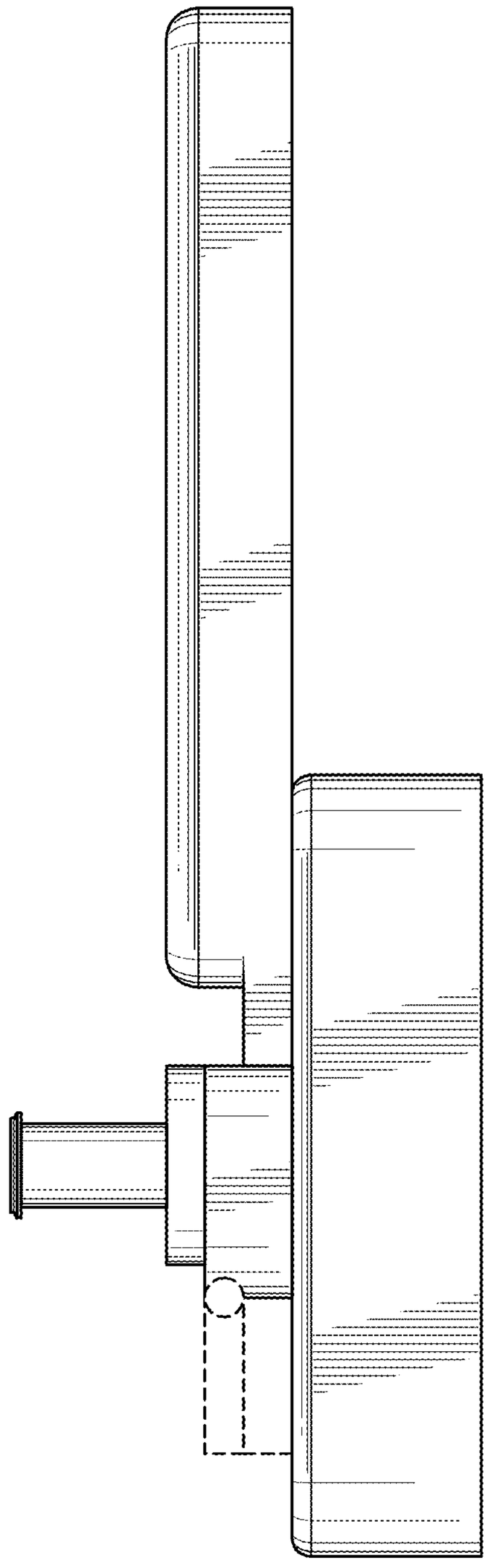


FIG. 12

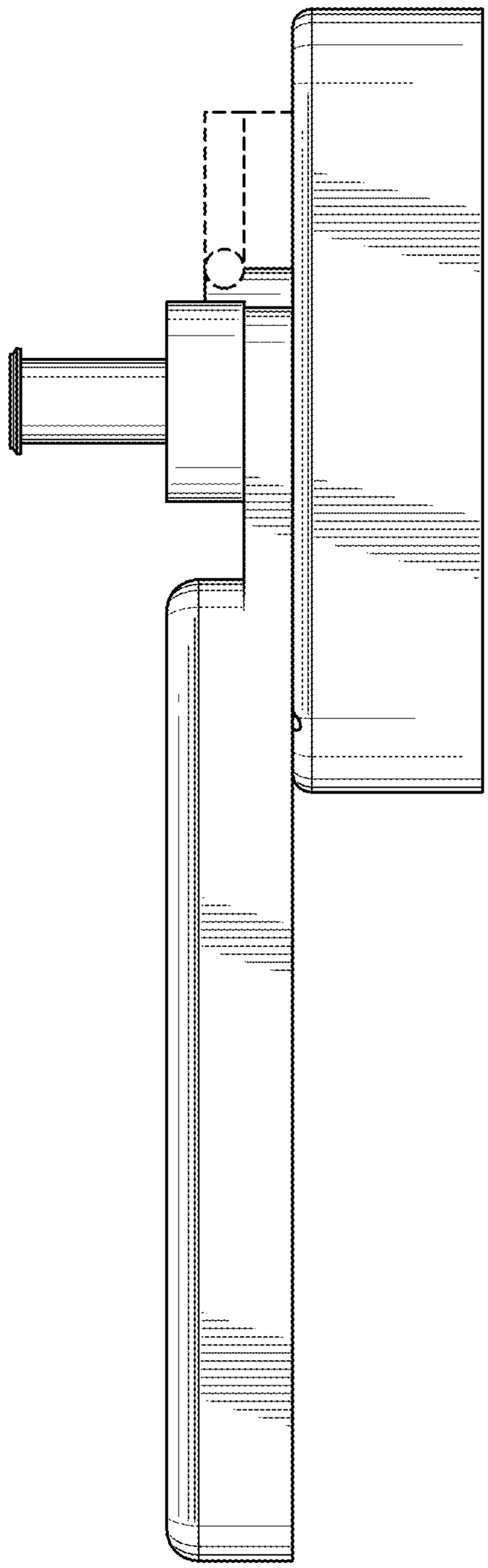


FIG. 13

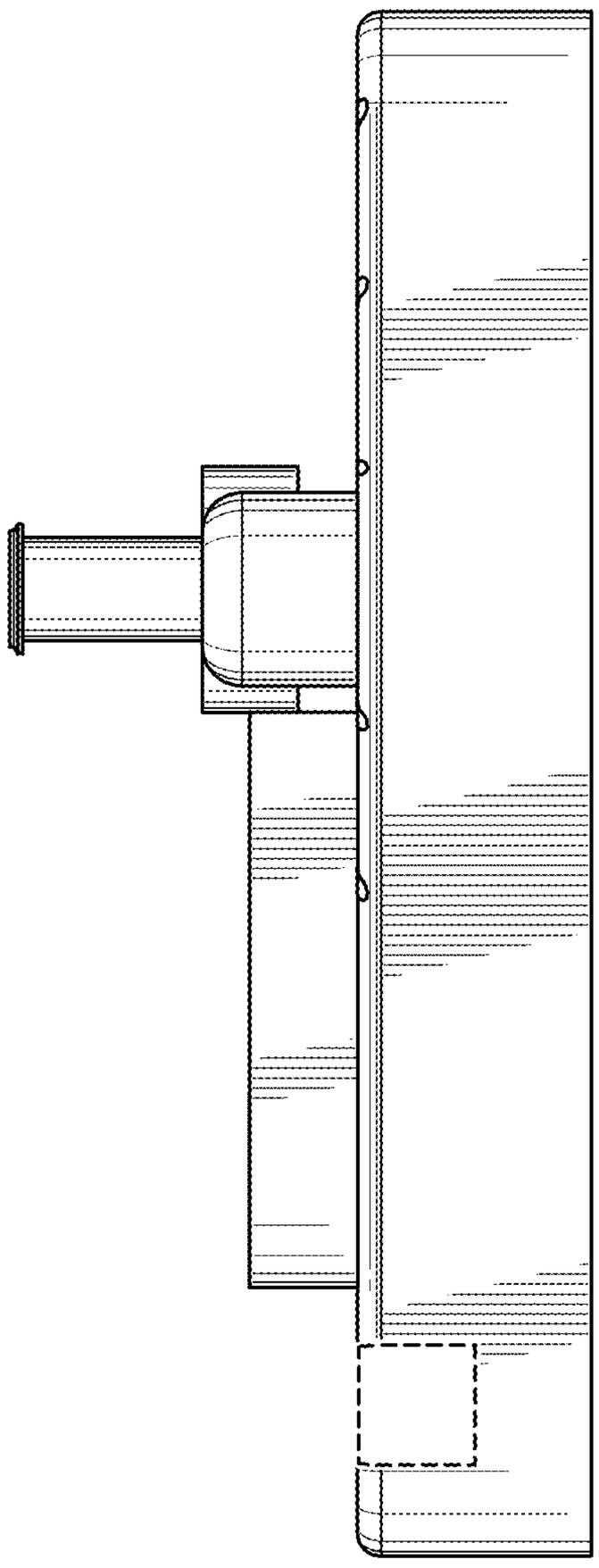


FIG. 14

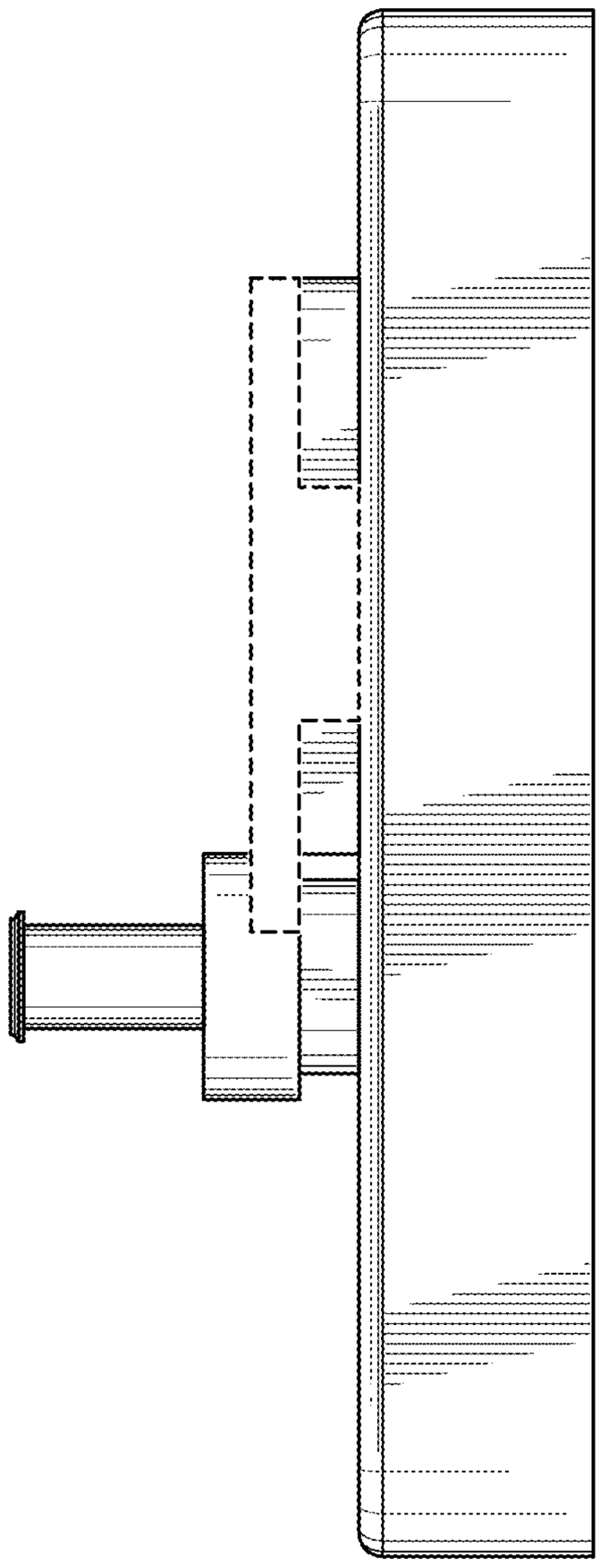


FIG. 15

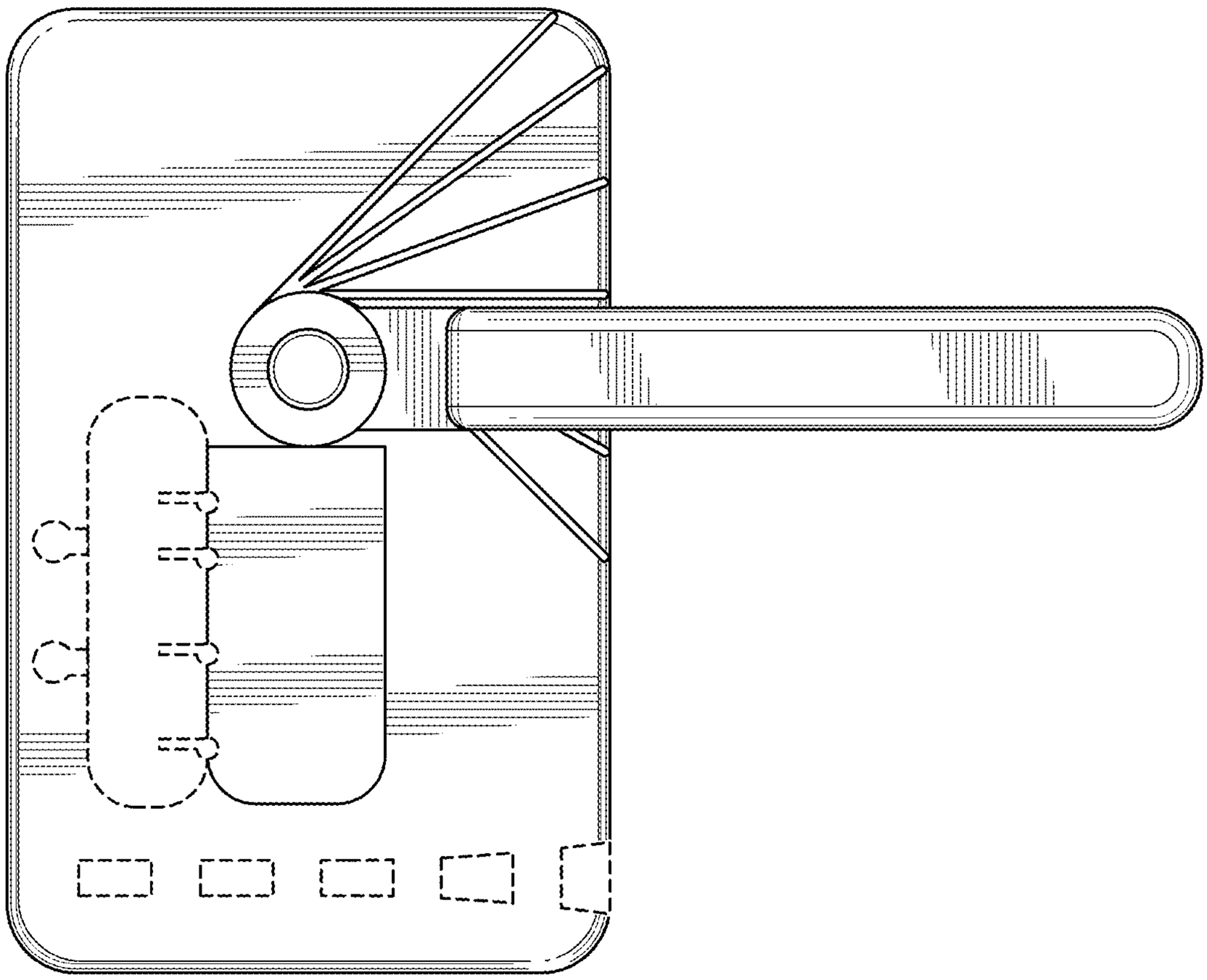


FIG. 16

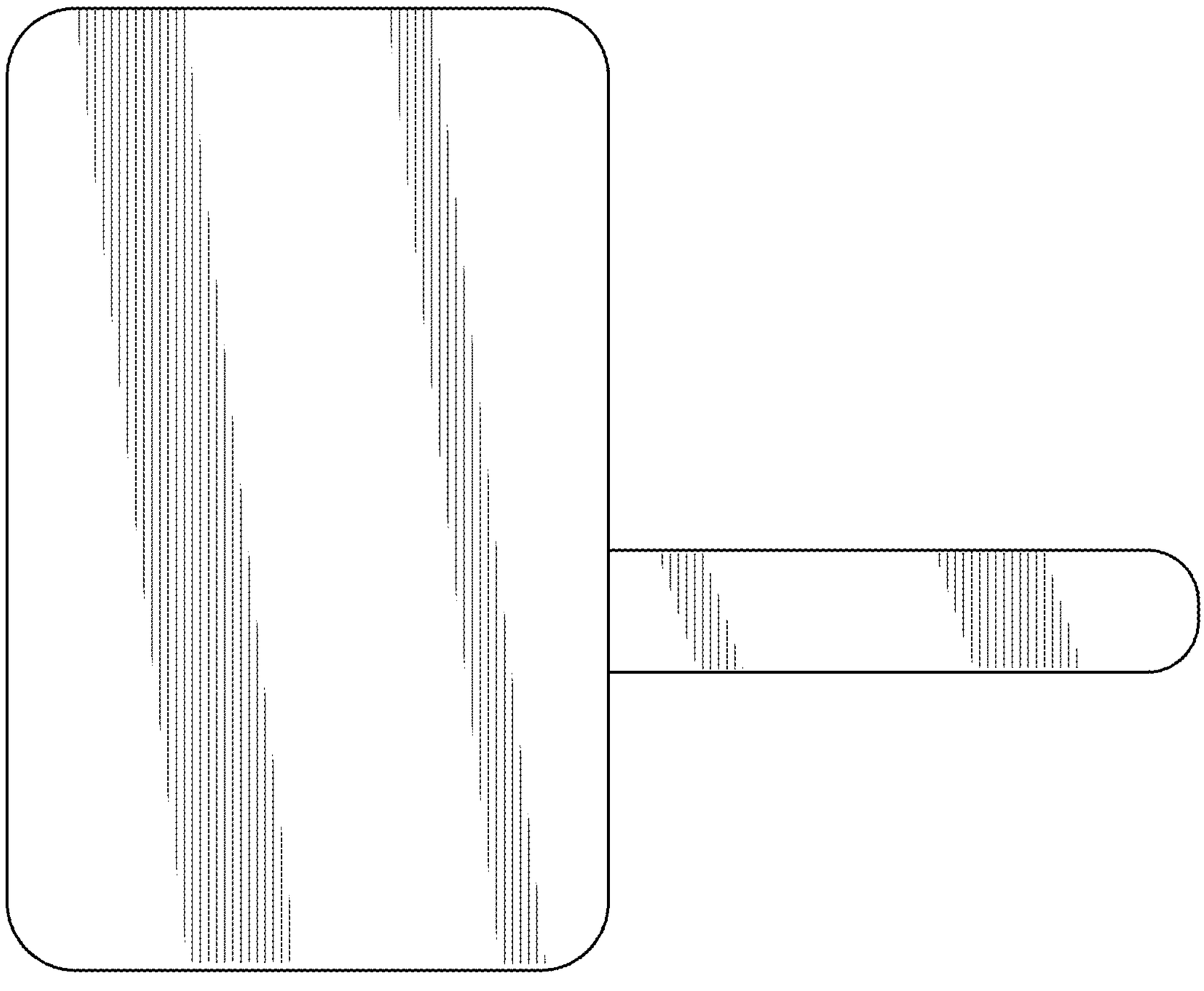


FIG. 17