



US00D931704S

(12) **United States Design Patent** (10) **Patent No.:** **US D931,704 S**  
**Ma** (45) **Date of Patent:** **\*\* Sep. 28, 2021**

(54) **ELECTRONIC LOCK SET**

(71) Applicant: **ZKTECO CO., LTD.**, Dongguan (CN)

(72) Inventor: **Shuangtai Ma**, Shenzhen (CN)

(73) Assignee: **ZKTECO CO., LTD.**, Guangdong (CN)

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

(21) Appl. No.: **29/698,148**

(22) Filed: **Jul. 15, 2019**

(30) **Foreign Application Priority Data**

Jan. 26, 2019 (CN) ..... 201930045529.9

(51) **LOC (13) Cl.** ..... **08-07**

(52) **U.S. Cl.**  
USPC ..... **D8/331**

(58) **Field of Classification Search**

USPC ..... D8/336, 338, 343-346, 300-302,  
D8/306-333; 70/91, 277, 336, 280, 14,  
70/51, 52, 57.1, 67, 69, 78, 85, 86, 88,  
70/141

CPC ..... E05B 69/003; E05B 71/00; E05B 73/005;  
E05B 17/142; E05B 47/0011; E05B  
47/00; E05B 41/00; E05B 47/06; E05B  
47/0615; E05B 47/0012; E05B 15/02;  
E05B 65/466; E05B 65/469; E05B  
13/001; E05B 13/007; E05B 13/00; E05B  
13/10; E05B 65/44; E05B 65/46; E05B  
65/462; E05B 65/461; E05B 65/463;  
E05B 65/464; E05B 51/00; E05B 35/00;  
E05B 39/00; E05B 47/0001; E05B 17/14;  
B62H 5/001; A47F 3/00; A47F 3/005;  
A47F 3/007; A47F 7/024; G07C 9/00563;  
G07C 2047/0086; Y10T 70/5155; Y10T  
70/5199

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D494,841 S \* 8/2004 Moon ..... D8/352  
D545,662 S \* 7/2007 Lu ..... D8/302

(Continued)

FOREIGN PATENT DOCUMENTS

CN 303813480 \* 1/2016  
CN 305502700 \* 7/2019

(Continued)

OTHER PUBLICATIONS

ETEKJOY Store, Electronic Door Lock, Date first available Aug. 29, 2018, [online]retrieved May 13, 2021,available from [https://www.amazon.com/ETEKJOY-Electronic-Password-Keyhole-Touchscreen/dp/B07GZSWS44/ref=pd\\_di\\_sccai\\_1/137-6526422-2539313? \(Year: 2018\).\\*](https://www.amazon.com/ETEKJOY-Electronic-Password-Keyhole-Touchscreen/dp/B07GZSWS44/ref=pd_di_sccai_1/137-6526422-2539313? (Year: 2018).*)

(Continued)

*Primary Examiner* — Keli L Hill

*Assistant Examiner* — Sara S Sahneh

(74) *Attorney, Agent, or Firm* — Venable LLP

(57) **CLAIM**

The ornamental design for an electronic lock set, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of an electronic lock set showing my new design;

FIG. 2 is a back view thereof;

FIG. 3 is a left view thereof;

FIG. 4 is a right view thereof;

FIG. 5 is a top view thereof;

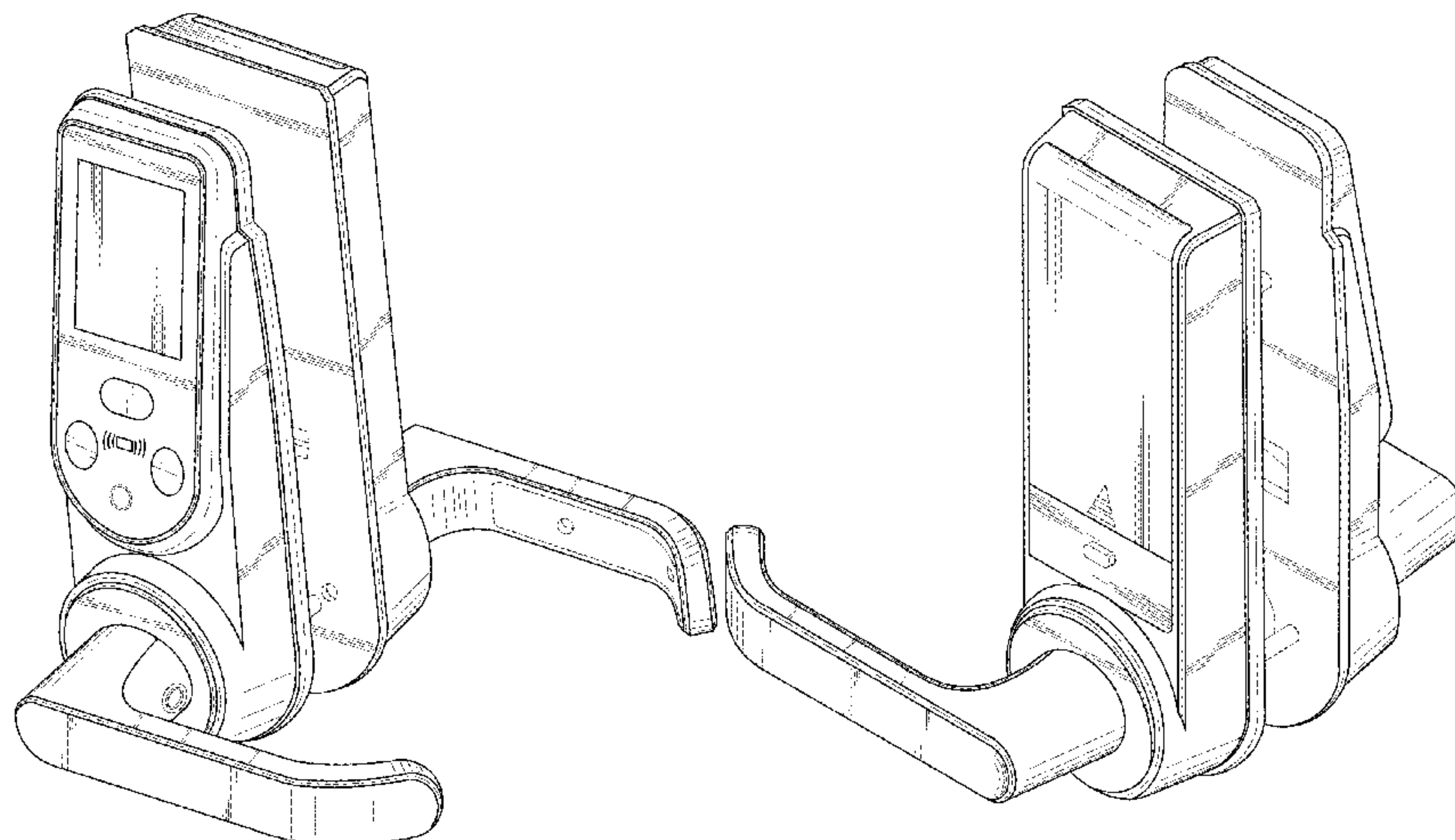
FIG. 6 is a bottom view thereof;

FIG. 7 is a front perspective thereof; and,

FIG. 8 is a back perspective view thereof.

The broken lines shown are included for the purpose of illustrating portions of the electronic lock set that form no part of the claim.

**1 Claim, 8 Drawing Sheets**



(56)                      **References Cited**

U.S. PATENT DOCUMENTS

D607,303 S \* 1/2010 Kim ..... D8/331  
D677,145 S \* 3/2013 Hsieh ..... D8/346  
D679,986 S \* 4/2013 Hsieh ..... D8/330  
D696,569 S \* 12/2013 Luo ..... D8/331  
D790,948 S \* 7/2017 Lai ..... D8/331  
D840,785 S \* 2/2019 Kasper ..... D8/330  
D906,086 S \* 12/2020 Qinggui ..... D8/331  
D911,147 S \* 2/2021 Li ..... D8/330  
2018/0283044 A1 \* 10/2018 Morstatt ..... E05B 71/00  
2020/0248480 A1 \* 8/2020 Arlinghaus ..... E05B 65/10  
2021/0062543 A1 \* 3/2021 Peng ..... G07C 9/00182

FOREIGN PATENT DOCUMENTS

CN                306159815        \* 6/2020  
CN                306195138        \* 7/2020  
CN                306247138        \* 8/2020  
CN                306410106        \* 10/2020  
CN                306492394        \* 12/2020

OTHER PUBLICATIONS

Colosus, Keyless Electronic, Date first available Feb. 19, 2019,  
[online]retrieved May 13, 2021,available from [https://www.amazon.com/COLOSUS-Keyless-Electronic-Security-Touchscreen/dp/B07ND5BW1X/ref=pd\\_sbs\\_421\\_2/137-6526422-2539313?\\_encod](https://www.amazon.com/COLOSUS-Keyless-Electronic-Security-Touchscreen/dp/B07ND5BW1X/ref=pd_sbs_421_2/137-6526422-2539313?_encod)  
(Year: 2019).\*

\* cited by examiner

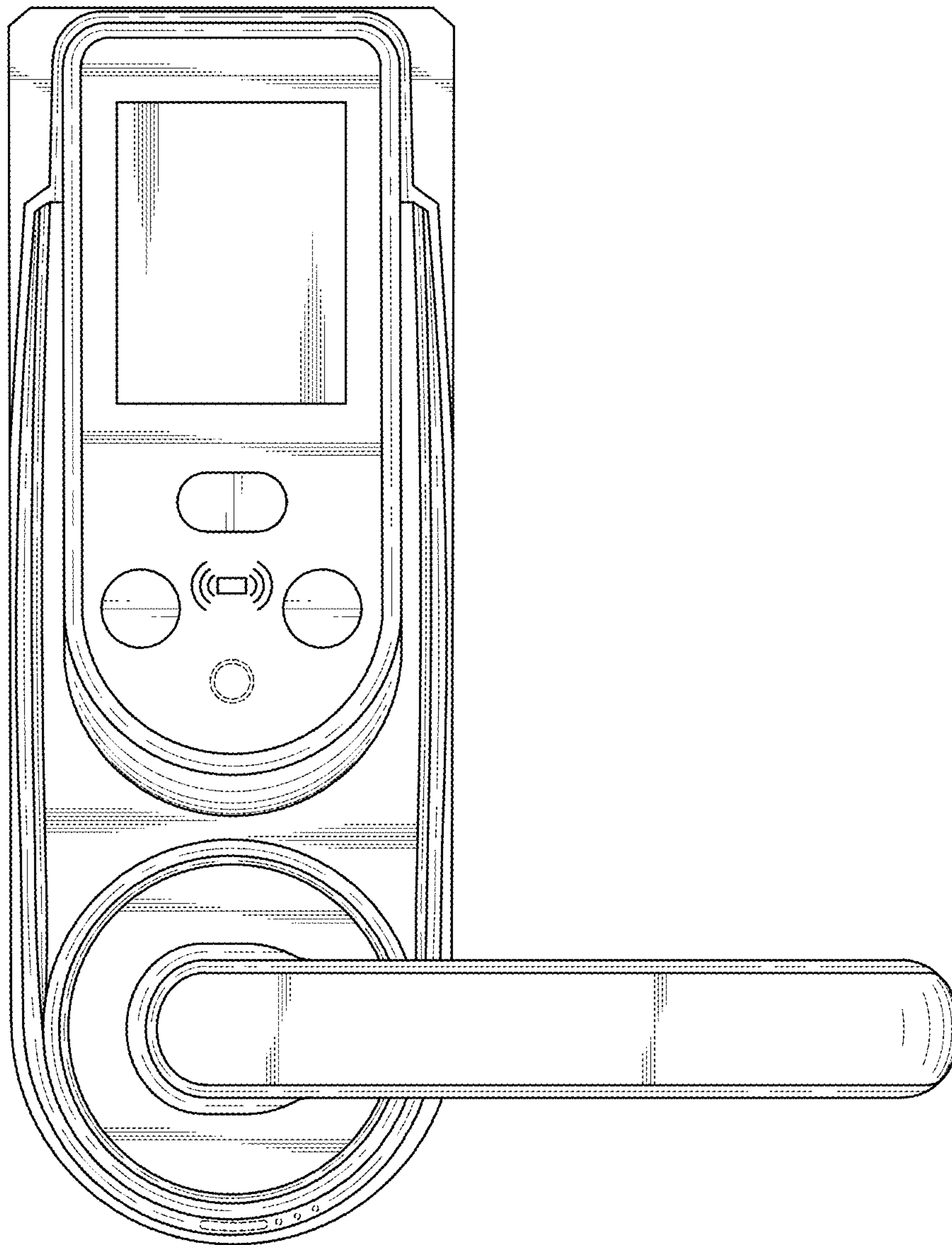


FIG. 1

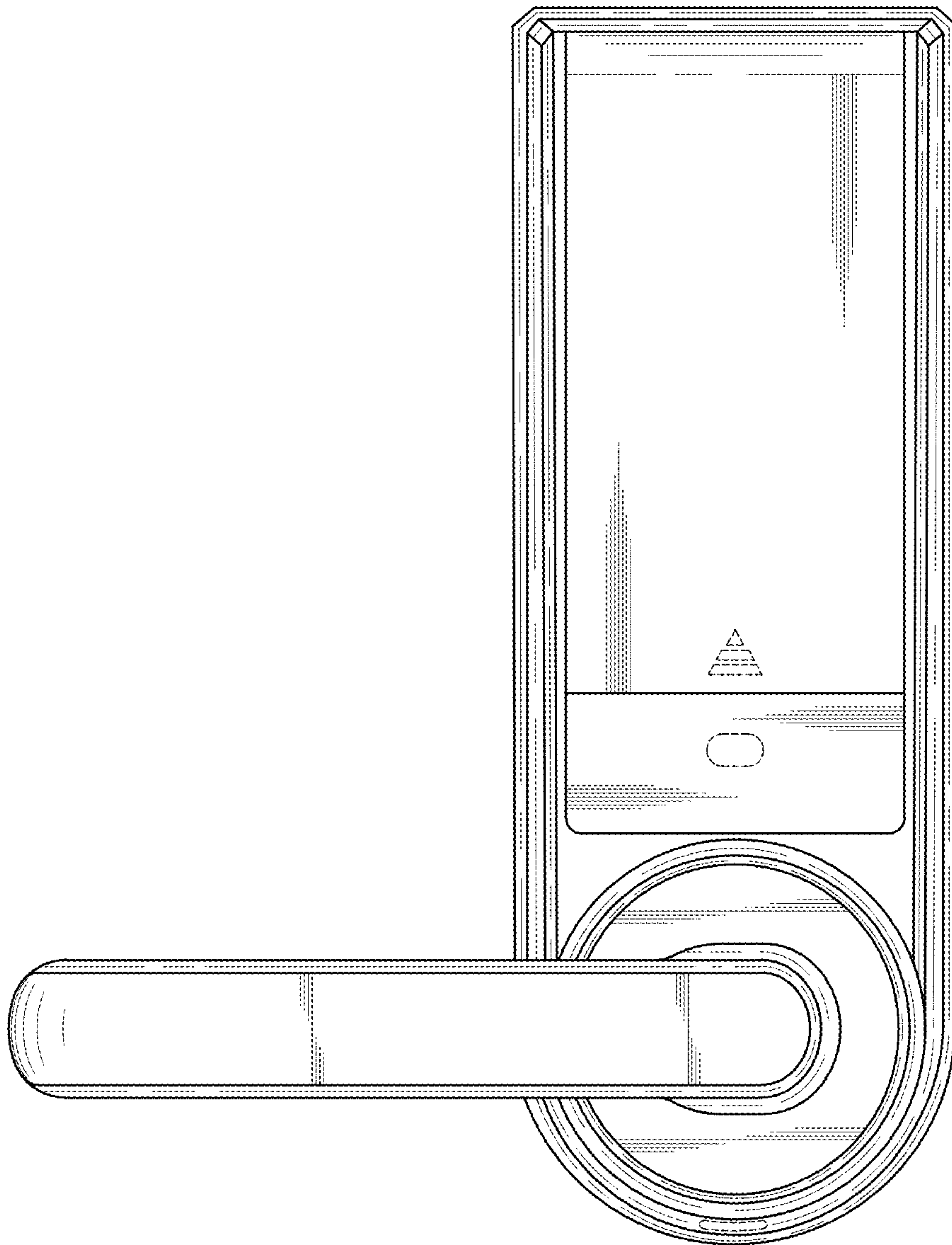


FIG. 2

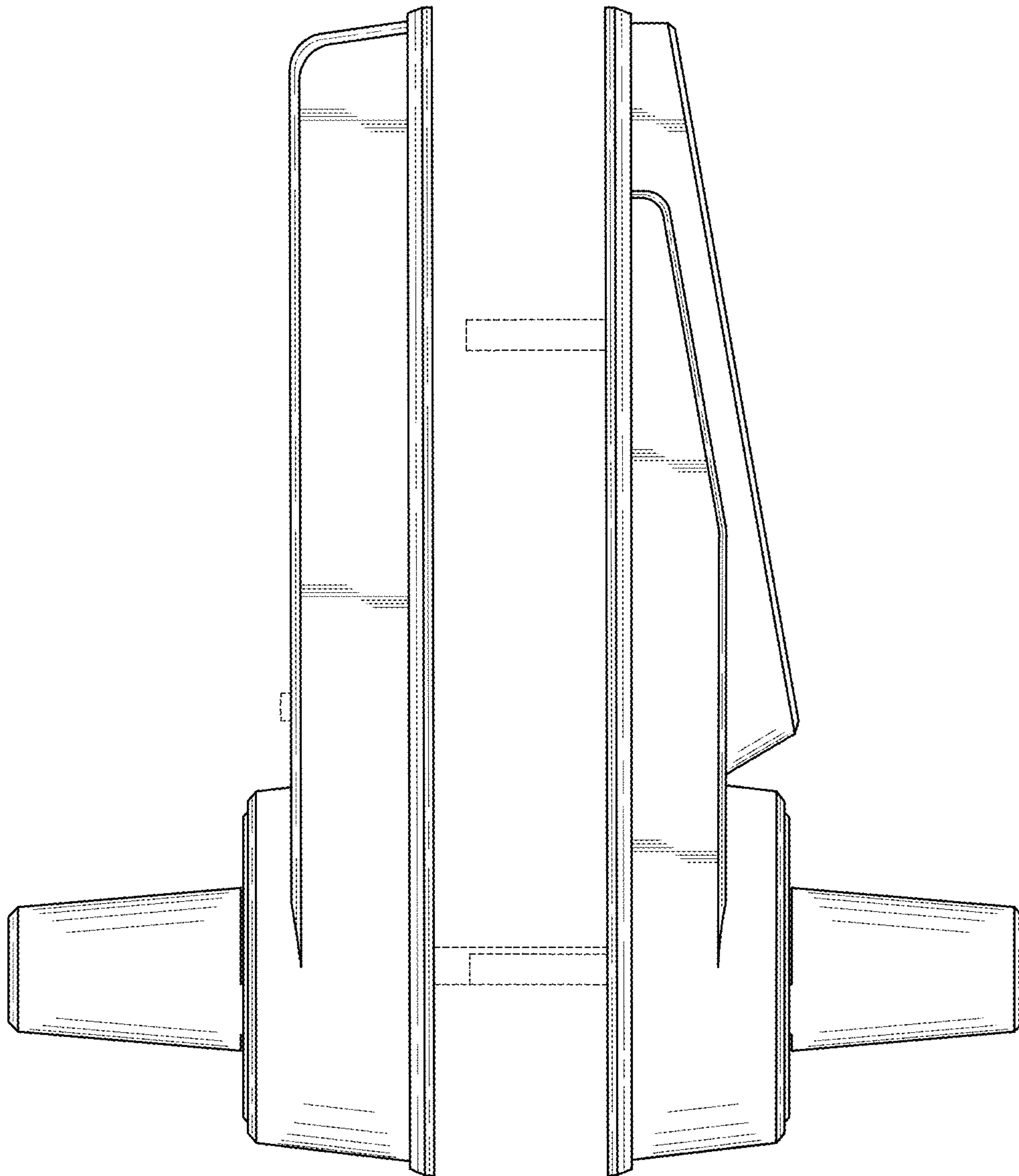


FIG. 3

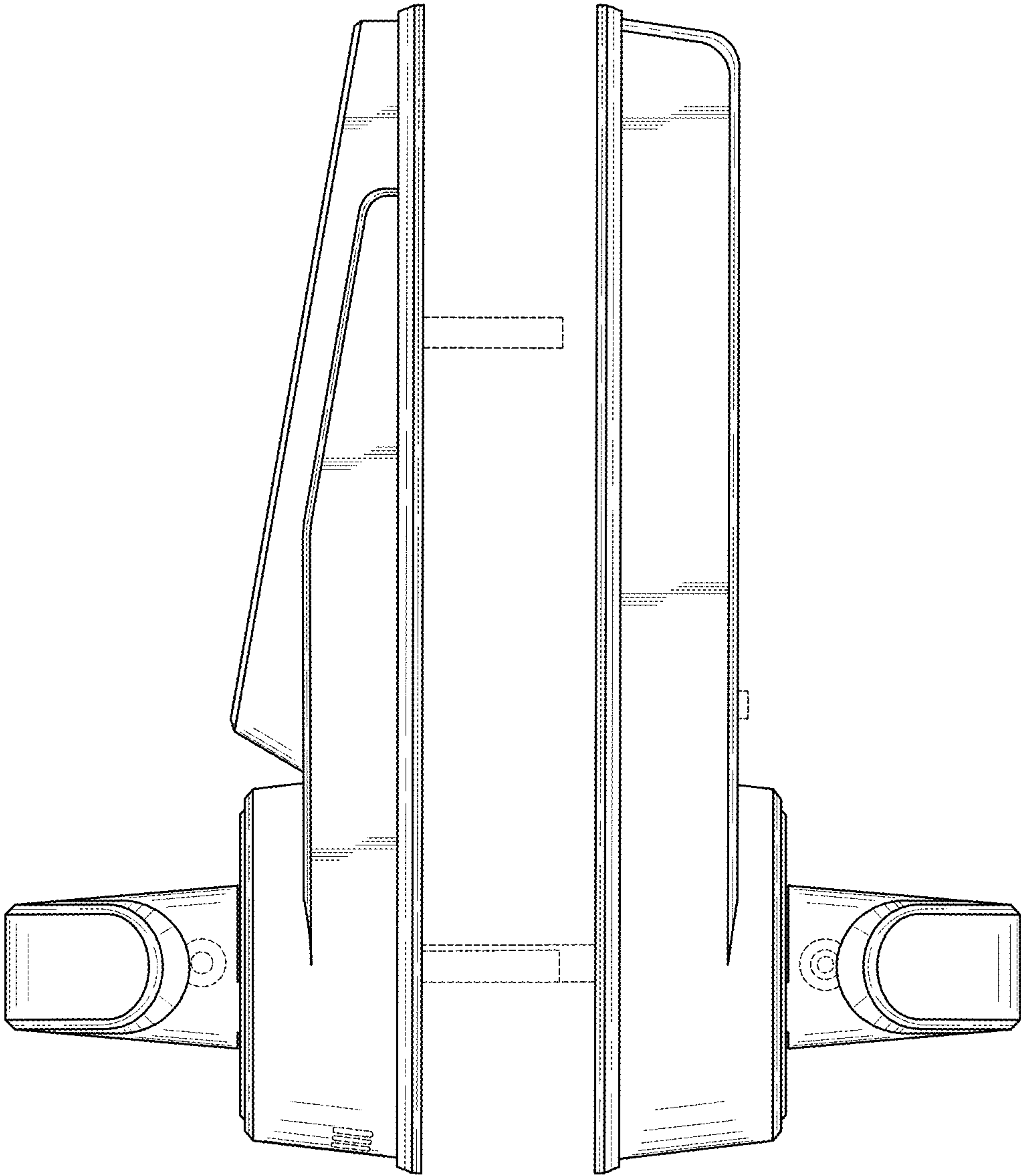


FIG. 4

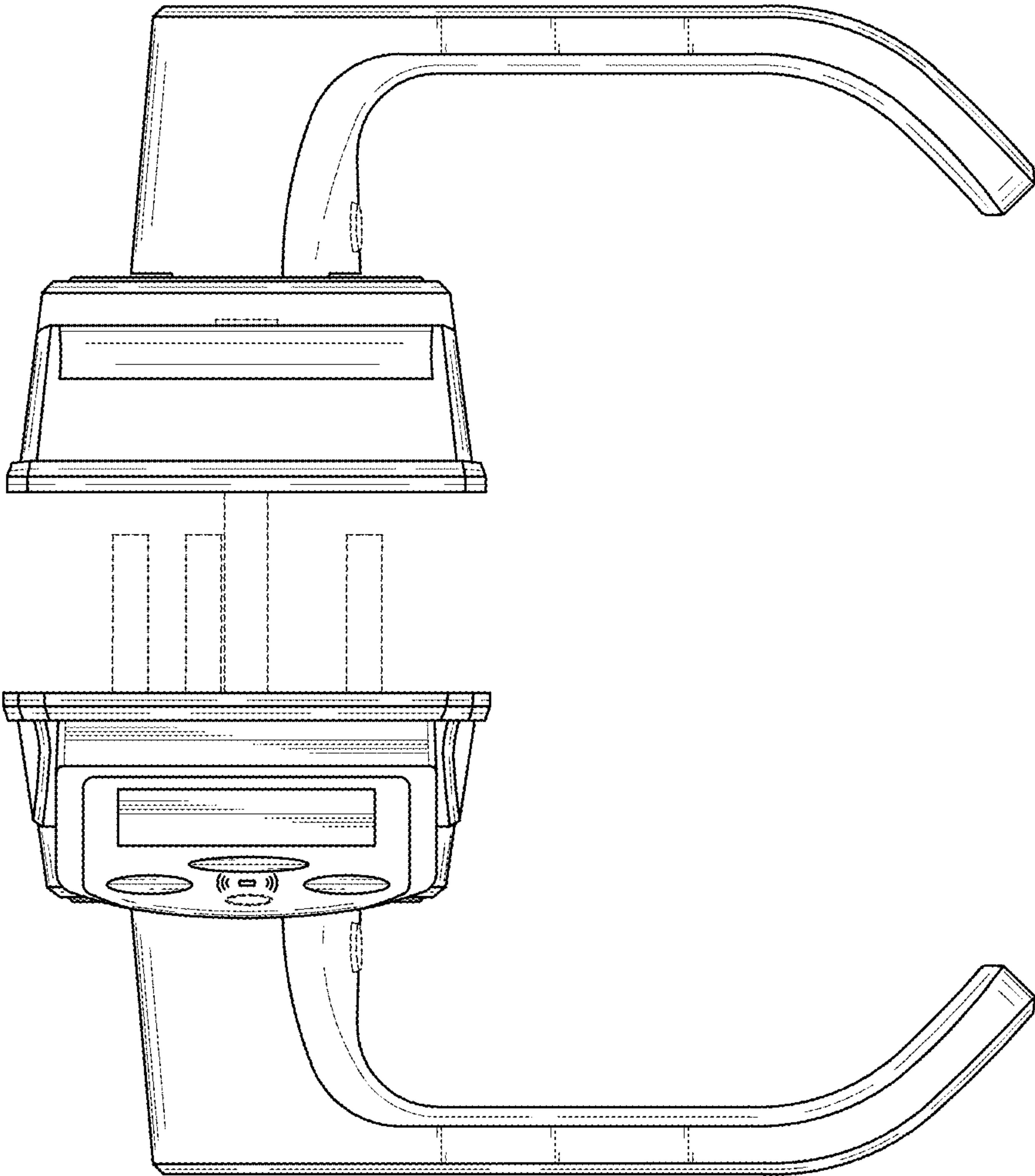


FIG. 5

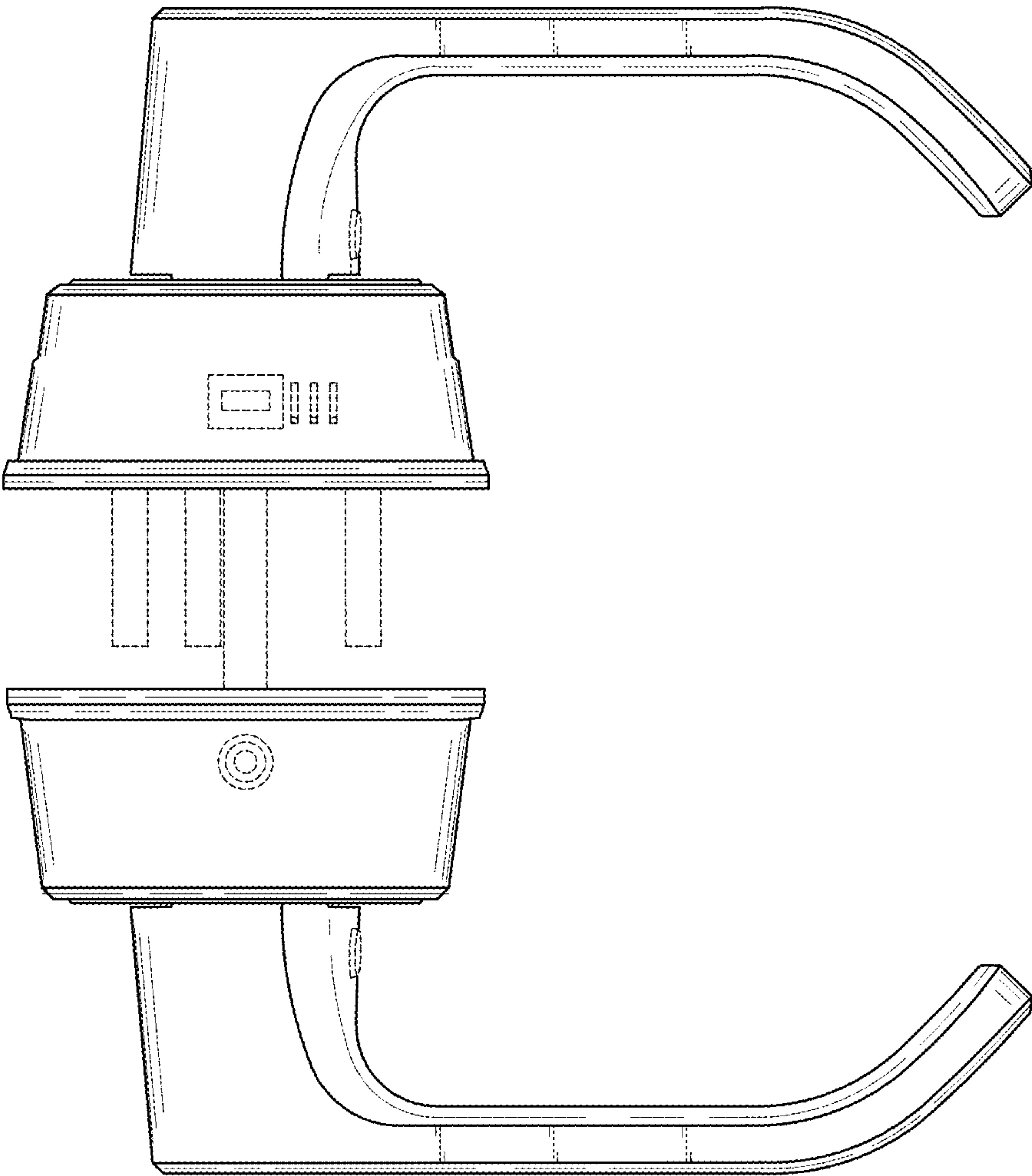


FIG. 6

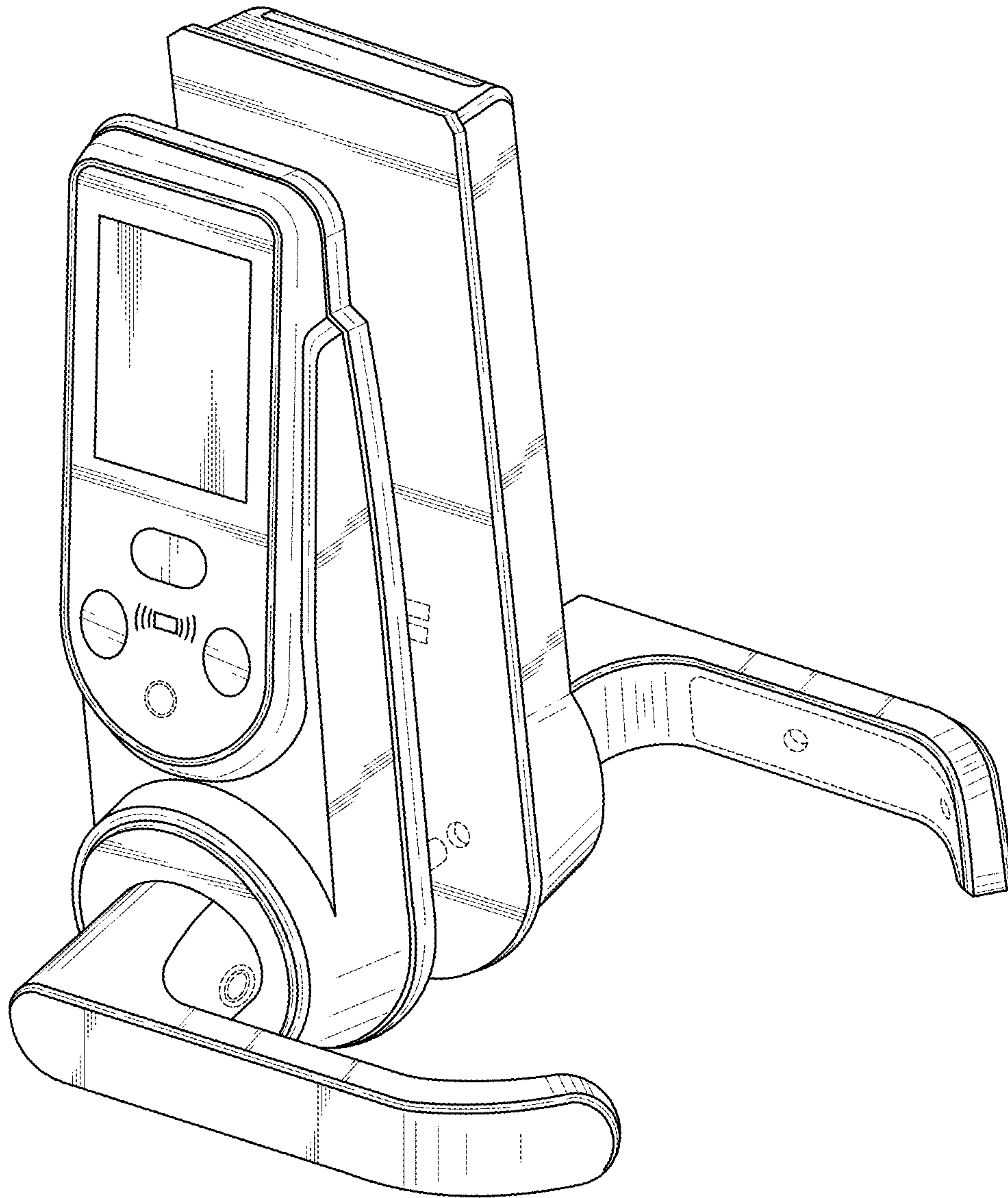


FIG. 7

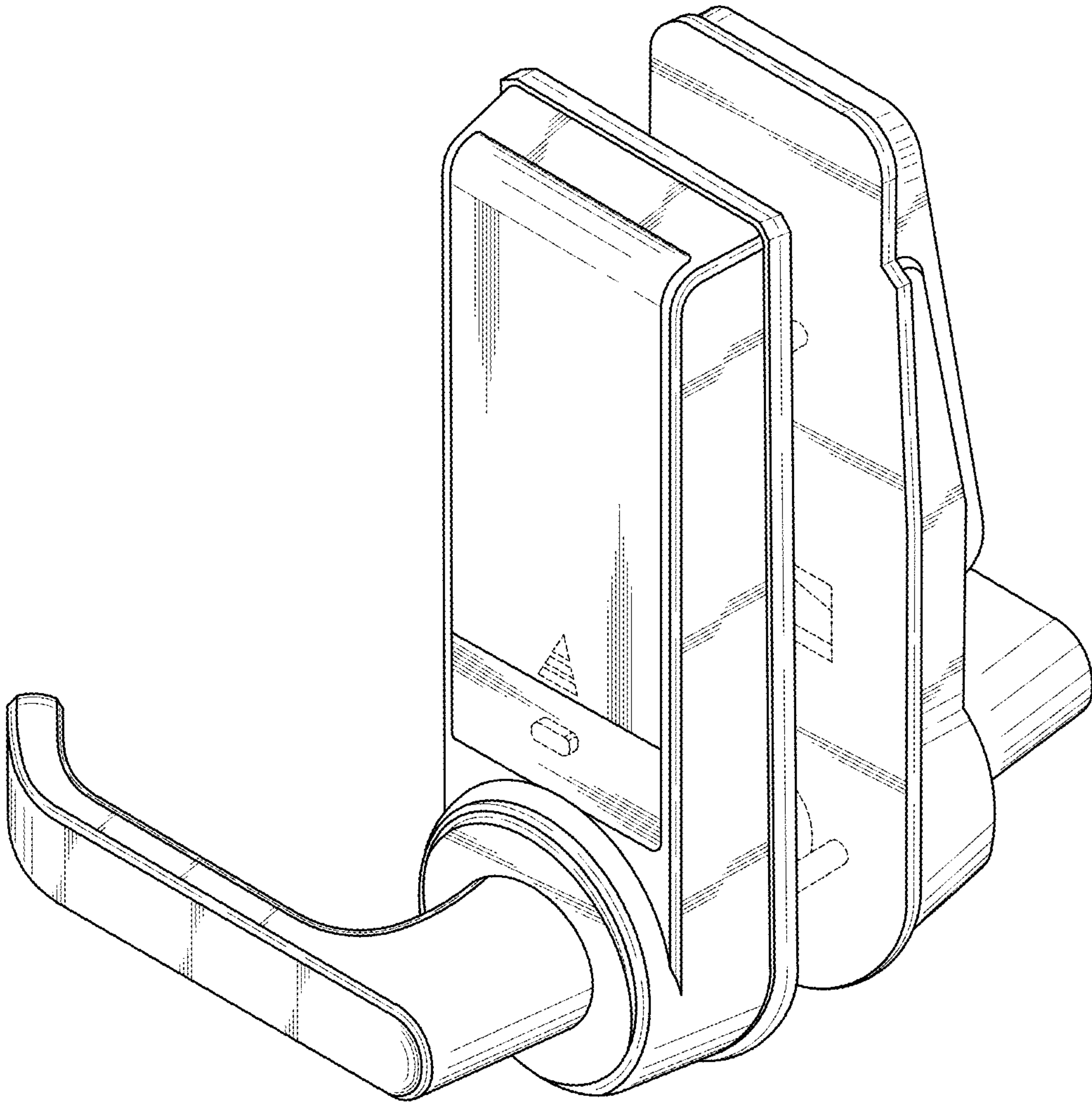


FIG. 8