



US00D900371S

(12) **United States Design Patent**  
**Zhong**

(10) **Patent No.:** **US D900,371 S**

(45) **Date of Patent:** **\*\* Oct. 27, 2020**

(54) **COMBINED OUTDOOR LIGHT AND SOLAR PANEL**

(71) Applicant: **Shenzhen Tollar Security Equipment Co., Ltd.**, Shenzhen (CN)

(72) Inventor: **Ru An Zhong**, Lianjiang (CN)

(73) Assignee: **SHENZHEN TOLLAR SECURITY EQUIPMENT CO., LTD.**, Shenzhen (CN)

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

(21) Appl. No.: **29/673,096**

(22) Filed: **Dec. 12, 2018**

(51) **LOC (12) Cl.** ..... **26-05**

(52) **U.S. Cl.**  
USPC ..... **D26/51**

(58) **Field of Classification Search**  
USPC ..... D26/37-38, 44, 46, 49, 51, 60-68, 71;  
D13/101-102, 184, 199  
CPC .. F21S 8/081; F21S 8/083; F21S 8/088; F21S 9/03;  
F21S 9/032; F21S 9/035; F21S 4/00; F21S 6/00;  
F21S 8/003; F21S 8/00; F21V 21/0824; F21V 1/00;  
F21V 14/00; F21V 14/02; F21V 15/01; F21V 21/14;  
F21V 7/00; F21V 9/00; F21V 17/02; F21V 21/30;  
F21V 29/00; F21W 2111/02; F21W 2111/023;  
F21W 2131/109; F21L 4/00; H01R 33/00  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,217,296 A \* 6/1993 Tanner ..... F21V 21/30  
362/183  
D404,842 S \* 1/1999 Hurst ..... D26/68

6,786,622 B1 \* 9/2004 Rice ..... B60Q 1/245  
362/271  
D558,250 S \* 12/2007 Hsia ..... D16/203  
D574,532 S \* 8/2008 Lee ..... D26/63  
D574,988 S \* 8/2008 Cheng ..... D26/63  
D615,688 S \* 5/2010 Chen ..... D26/63  
D647,234 S \* 10/2011 Izardel ..... D26/65  
9,197,033 B1 \* 11/2015 Tsai ..... H01S 5/4025  
D762,903 S \* 8/2016 Tsai ..... D26/63  
D764,694 S \* 8/2016 Tsai ..... D26/63  
D767,484 S \* 9/2016 Morad ..... D13/102  
D769,498 S \* 10/2016 Liang ..... D26/61  
D785,224 S \* 4/2017 Tsai ..... D26/68  
D793,334 S \* 8/2017 Estes ..... D13/102  
D797,342 S \* 9/2017 Rousseau ..... D26/63  
D797,973 S \* 9/2017 Rousseau ..... D26/63

(Continued)

*Primary Examiner* — Sheryl Lane

*Assistant Examiner* — Stacey L Hopkins

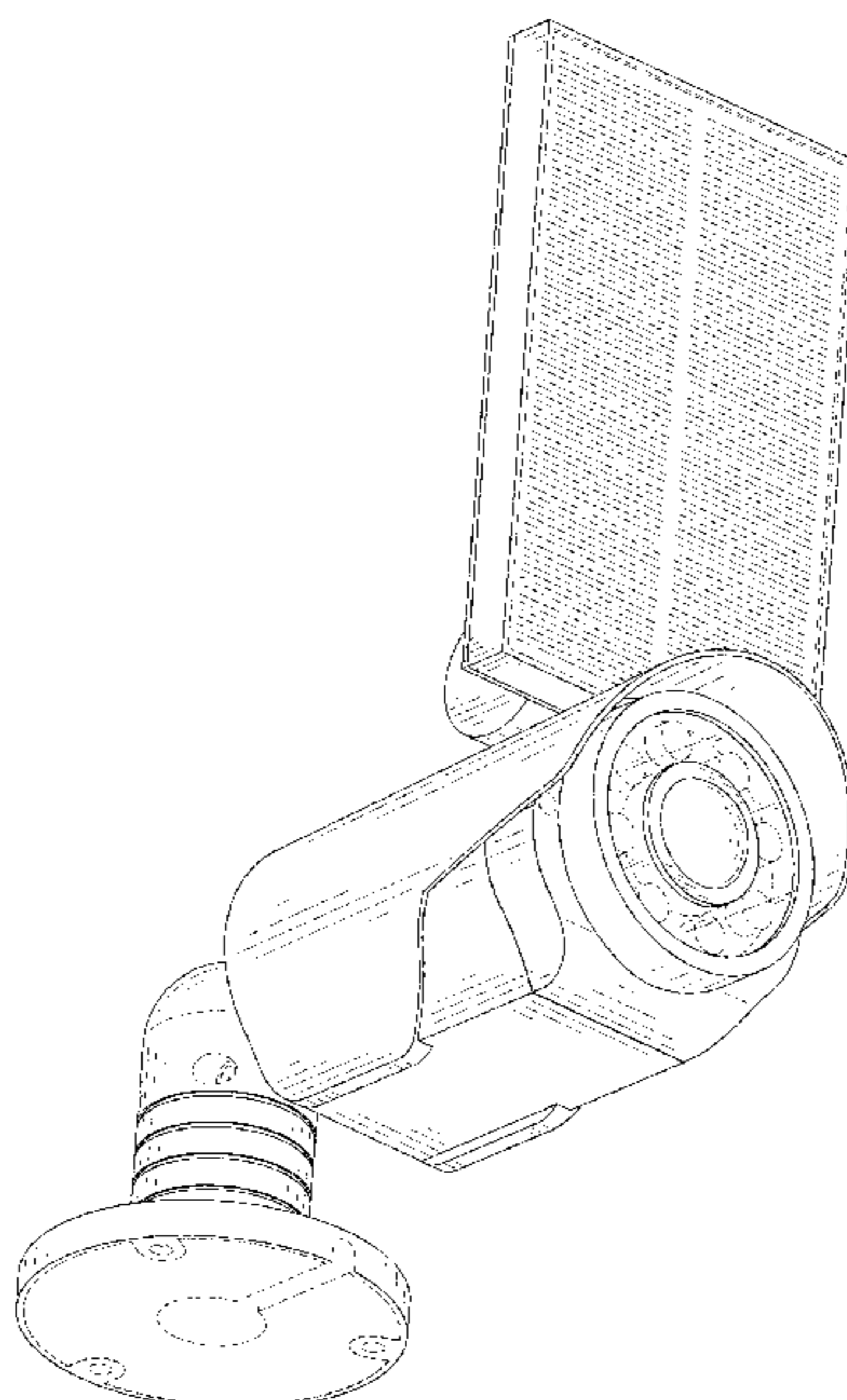
(57) **CLAIM**

The ornamental design for a combined outdoor light and solar panel, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a combined outdoor light and solar panel showing my new design, where the combined outdoor light and solar panel is in a first configuration of use; FIG. 2 is another perspective view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a rear elevational view thereof; FIG. 5 is a left side elevational view thereof; FIG. 6 is a right side elevational view thereof; FIG. 7 is a top plan view thereof; FIG. 8 is a bottom plan view thereof; and, FIG. 9 is a perspective view of the combined outdoor light and solar panel, where the combined outdoor light and solar panel is in a second configuration of use. The broken lines illustrate portions of the combined outdoor light and solar panel that form no part of the claimed design.

**1 Claim, 9 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D810,342 S \* 2/2018 Chen ..... D26/68  
 D814,402 S \* 4/2018 Cheung ..... D13/102  
 D818,171 S \* 5/2018 Brynjolfsson ..... D26/63  
 D821,303 S \* 6/2018 Albright ..... D13/102  
 D821,626 S \* 6/2018 Hou ..... D26/69  
 D822,246 S \* 7/2018 Hou ..... D26/51  
 D832,203 S \* 10/2018 Caswell ..... D13/102  
 D841,571 S \* 2/2019 Zhou ..... D13/102  
 D841,858 S \* 2/2019 Deng ..... D26/68  
 D846,791 S \* 4/2019 Liang ..... D26/113  
 D848,046 S \* 5/2019 Zhuo ..... D26/67  
 D851,798 S \* 6/2019 Liu ..... D26/63  
 D851,799 S \* 6/2019 Liu ..... D26/63  
 D866,456 S \* 11/2019 Negley ..... D13/102  
 D866,831 S \* 11/2019 Xiao ..... D26/51  
 D867,644 S \* 11/2019 Luo ..... D26/68  
 10,488,002 B1 \* 11/2019 Hwang ..... F21S 8/081  
 D881,433 S \* 4/2020 Chen ..... D26/67  
 D883,547 S \* 5/2020 Li ..... D26/63  
 2004/0100794 A1 \* 5/2004 Michael ..... F21S 9/032  
 362/183  
 2005/0103378 A1 \* 5/2005 Pu ..... H02S 20/00  
 136/244

2006/0012978 A1 \* 1/2006 Allsop ..... F21S 6/004  
 362/183  
 2006/0262522 A1 \* 11/2006 Allsop ..... F21S 9/035  
 362/153.1  
 2007/0002561 A1 \* 1/2007 Tesmer ..... F21V 21/0824  
 362/183  
 2007/0084500 A1 \* 4/2007 Chen ..... F21V 21/0824  
 136/244  
 2009/0309968 A1 \* 12/2009 Cheng ..... H04N 7/183  
 348/143  
 2010/0195319 A1 \* 8/2010 Norriella Carreno .. F21S 9/035  
 362/183  
 2010/0219762 A1 \* 9/2010 Brumels ..... H02S 20/10  
 315/158  
 2010/0296274 A1 \* 11/2010 Yu ..... G09F 13/02  
 362/183  
 2014/0198208 A1 \* 7/2014 Neufeld ..... G06F 3/005  
 348/143  
 2015/0260385 A1 \* 9/2015 Brynjolfsson ..... F21V 23/045  
 315/152  
 2015/0358511 A1 \* 12/2015 Jung ..... H04N 5/2256  
 348/143  
 2018/0094783 A1 \* 4/2018 Wang ..... F21S 9/035  
 2019/0211985 A1 \* 7/2019 Wijaya ..... F21V 21/0824

\* cited by examiner

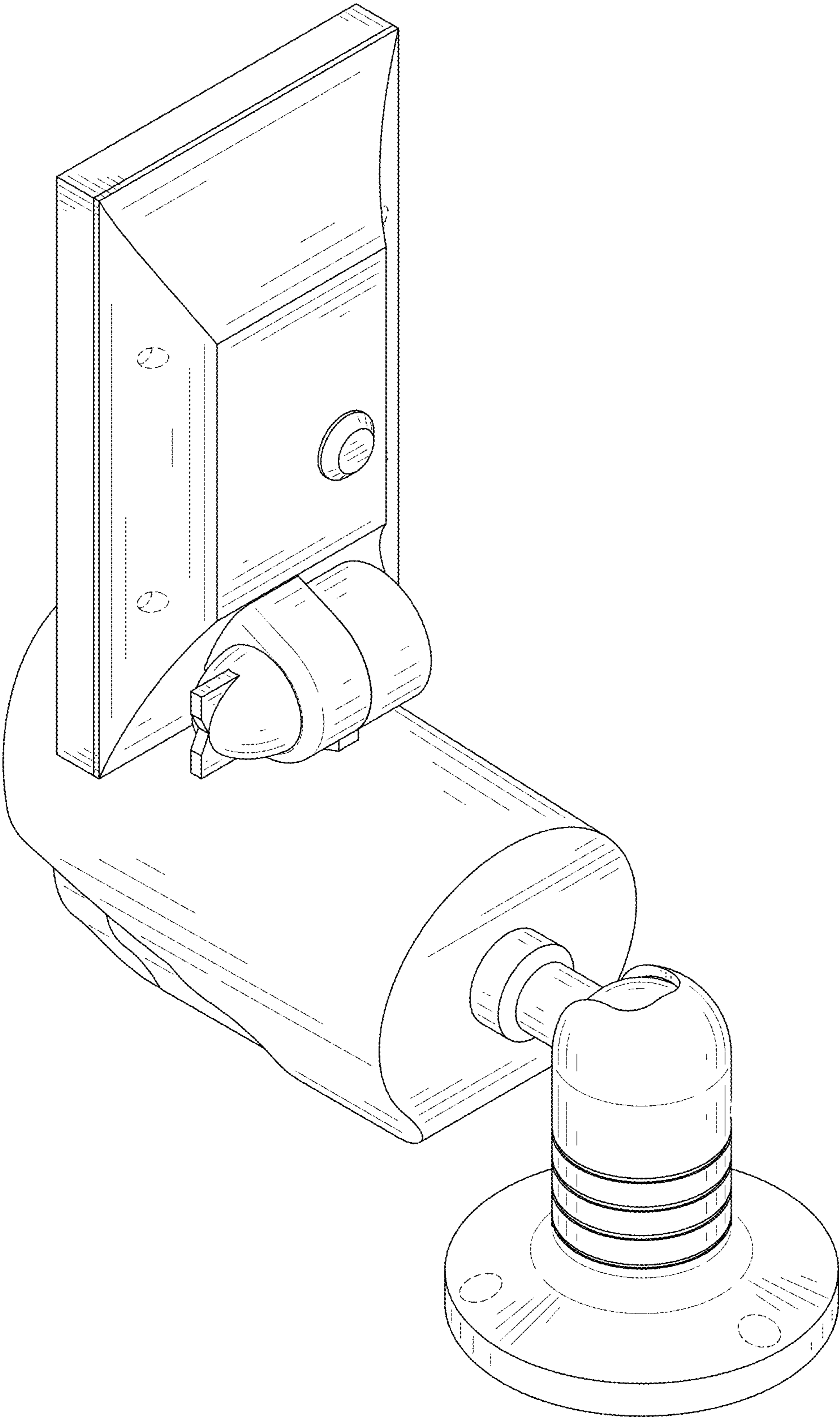


FIG. 1

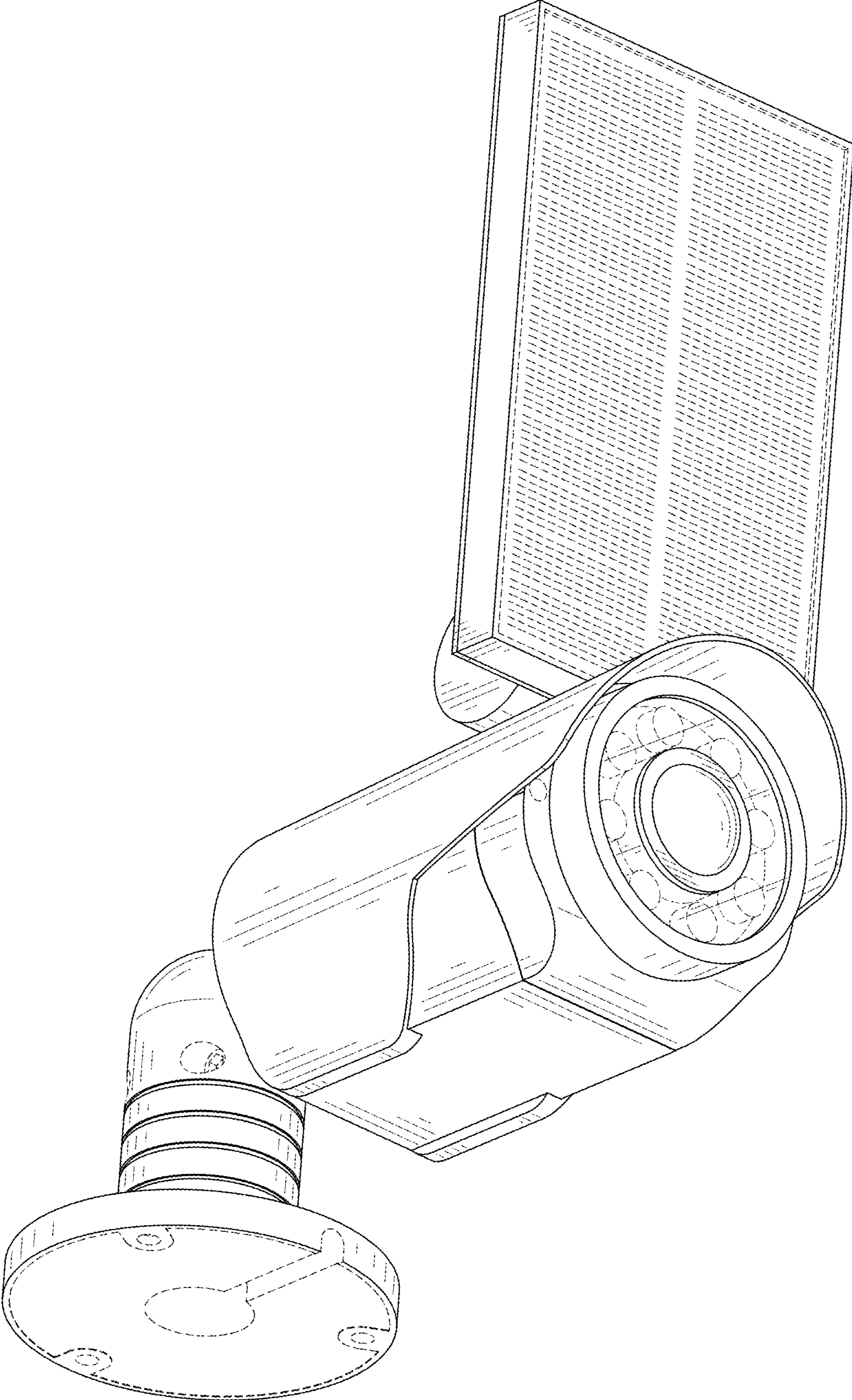


FIG. 2

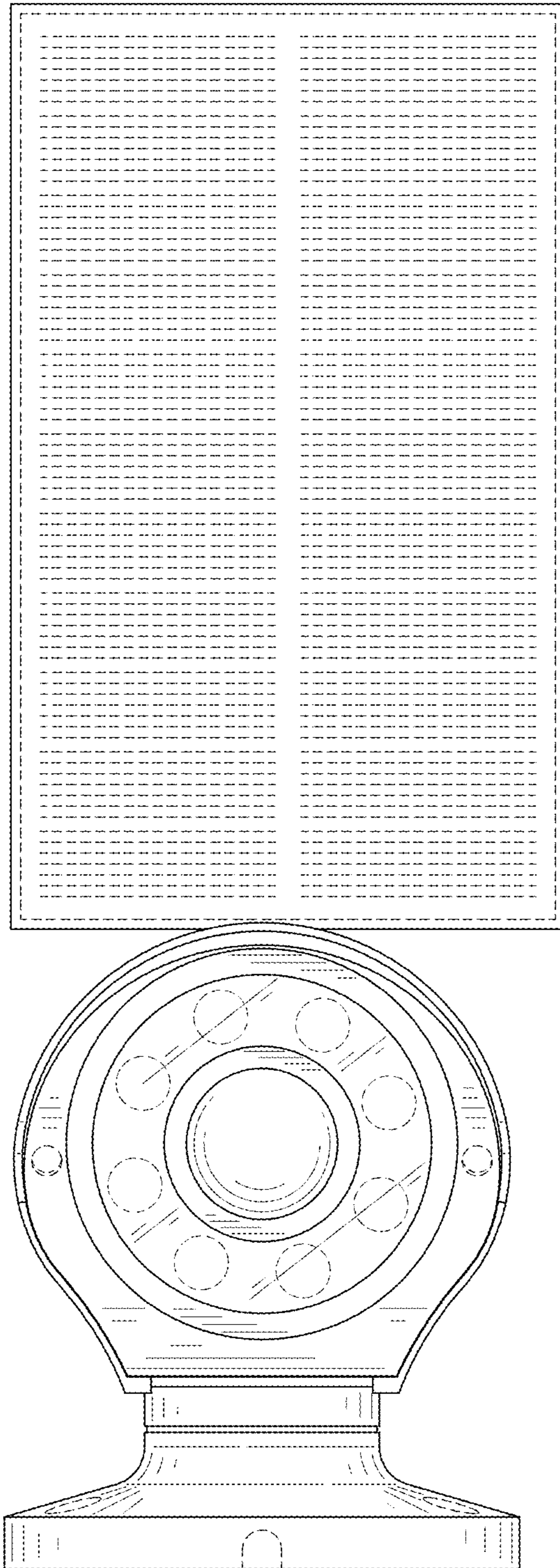


FIG. 3

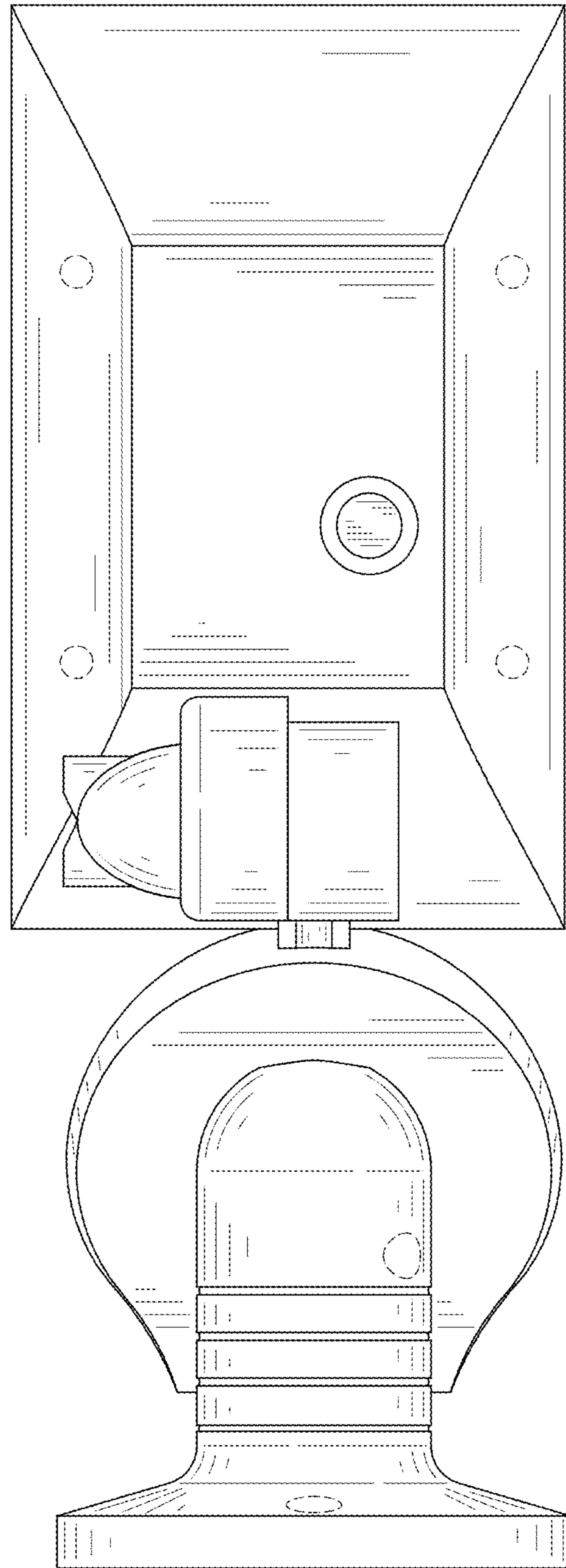


FIG. 4

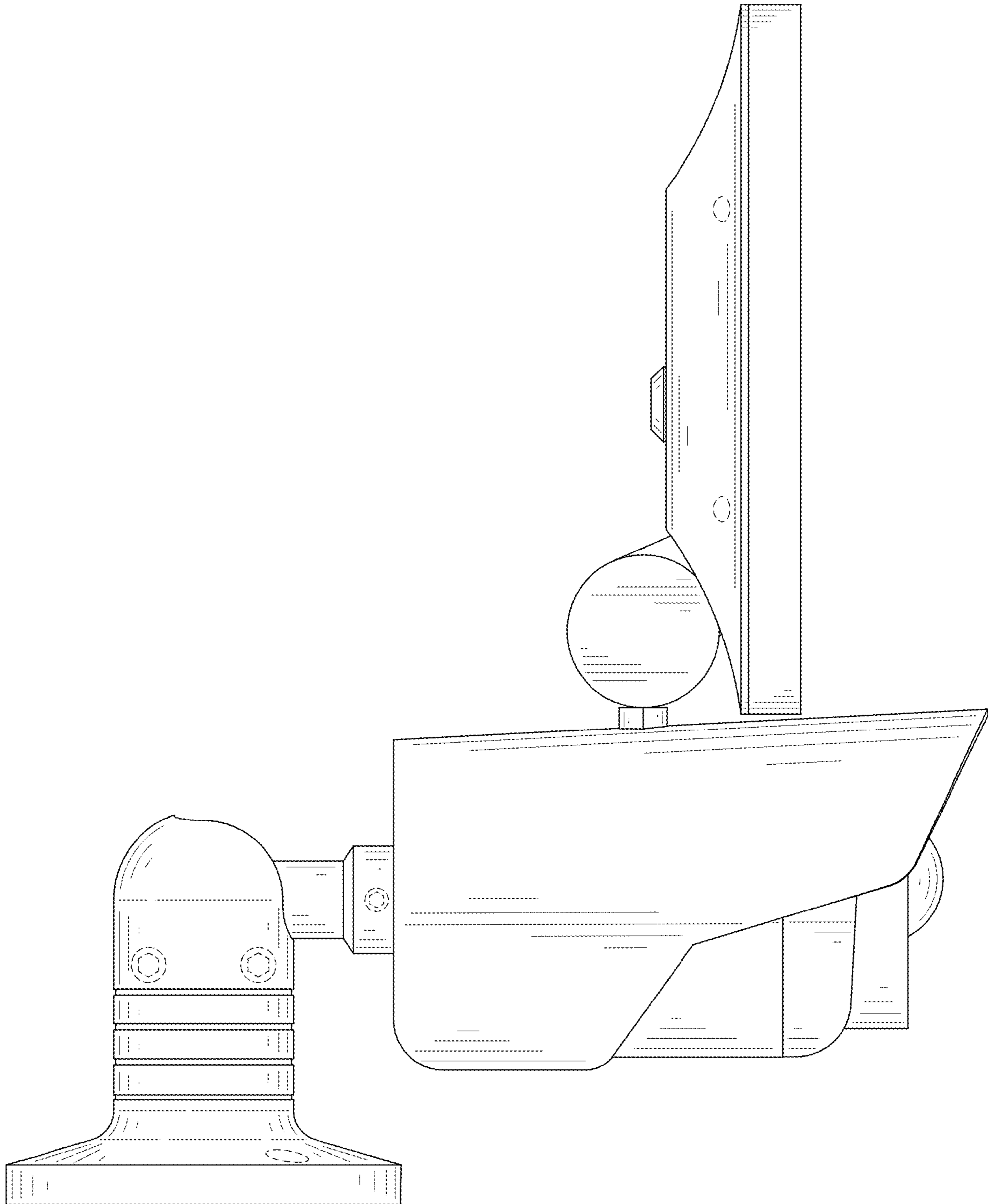


FIG. 5

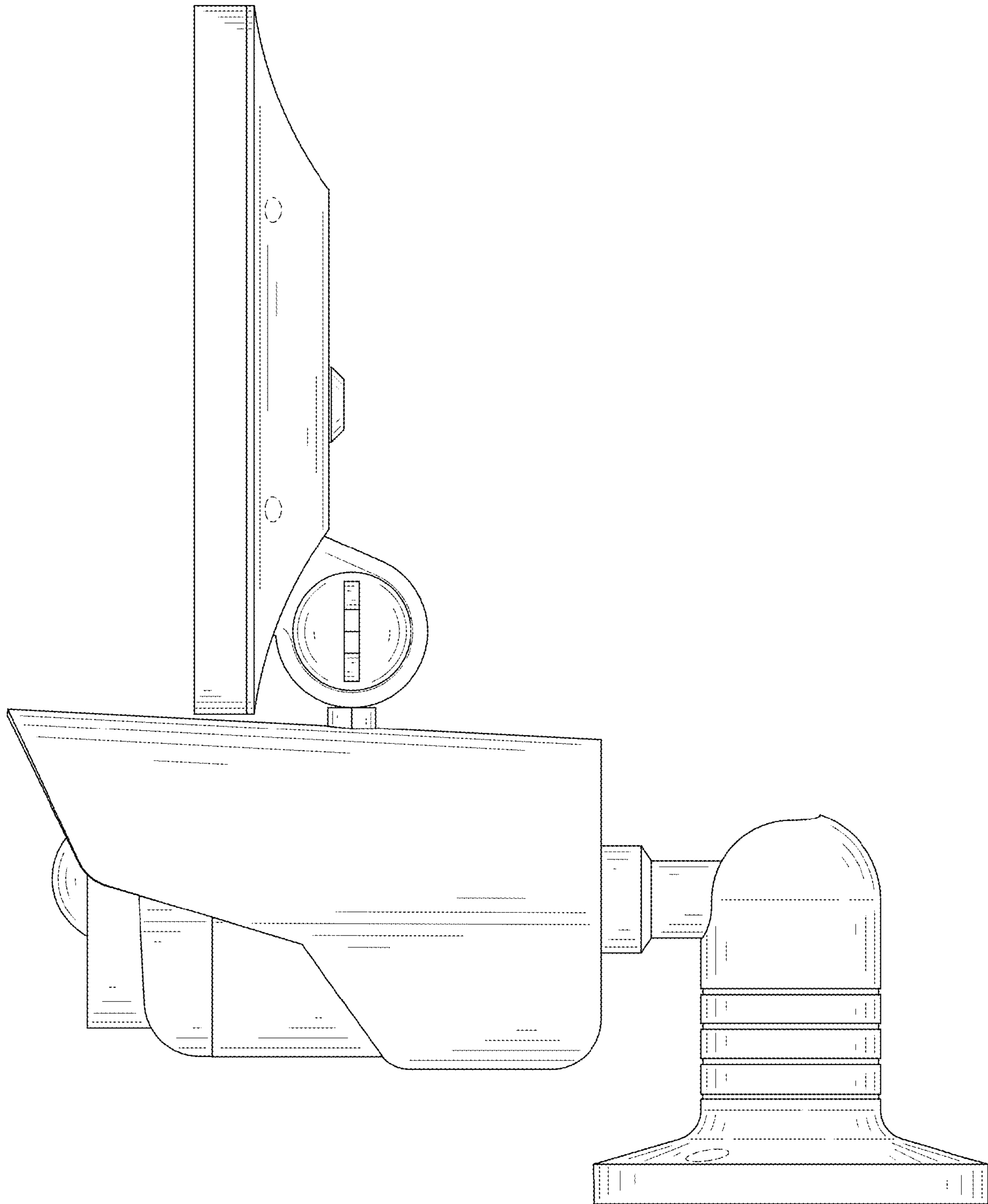


FIG. 6



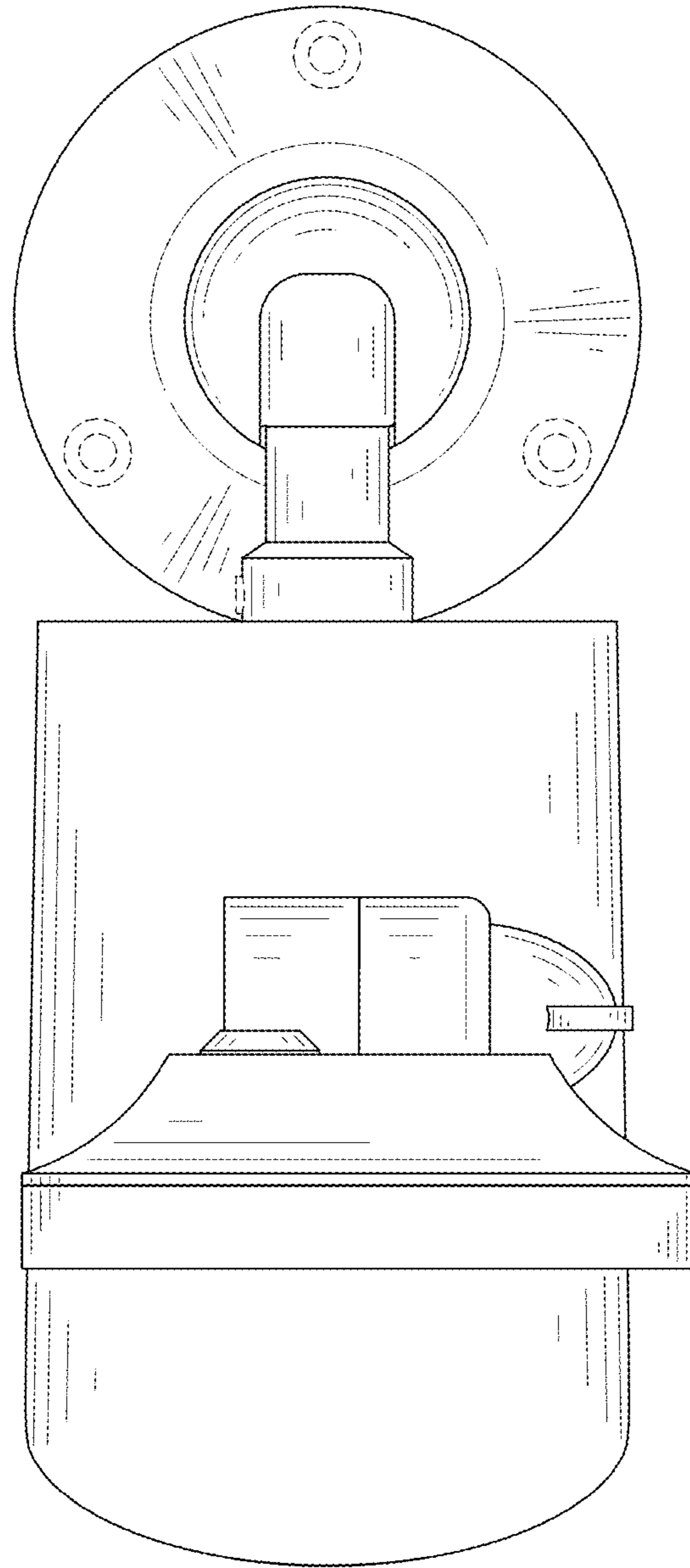


FIG. 7

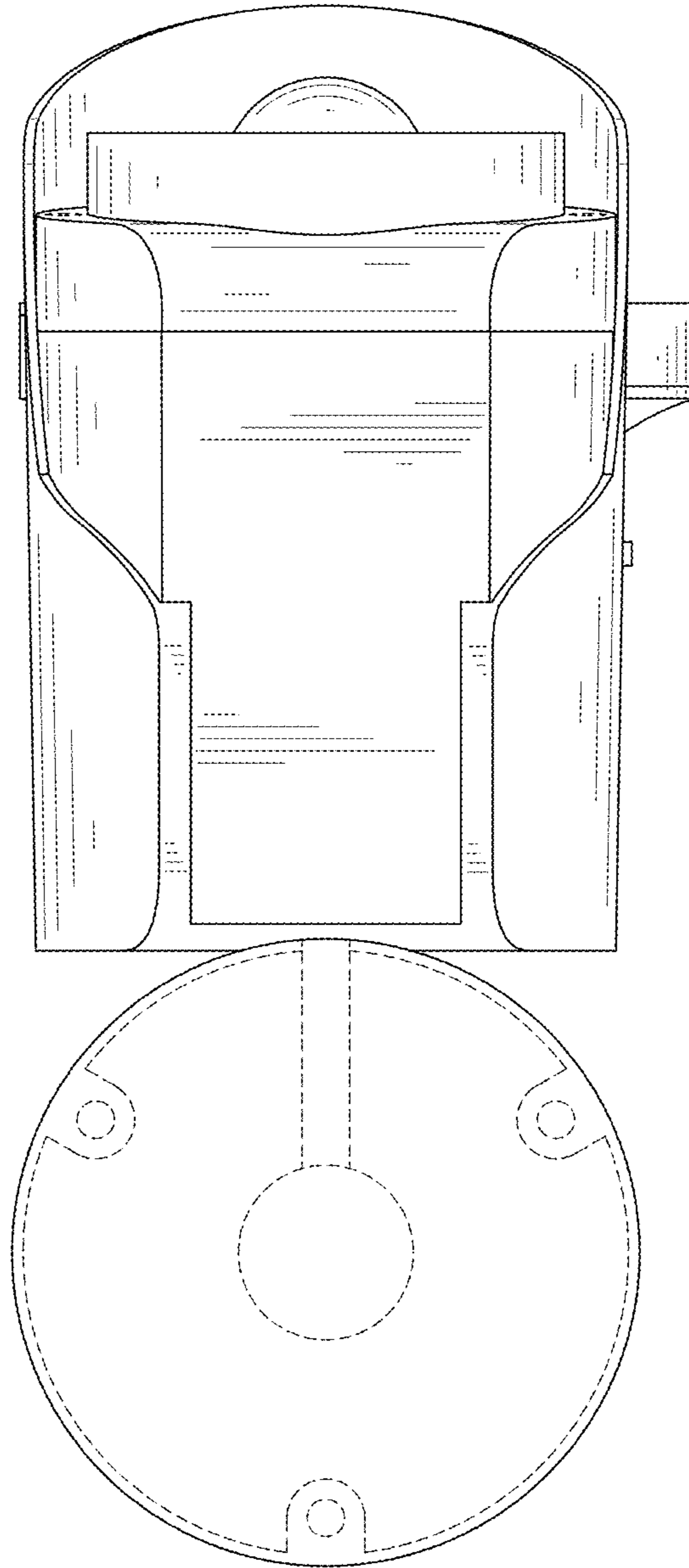


FIG. 8

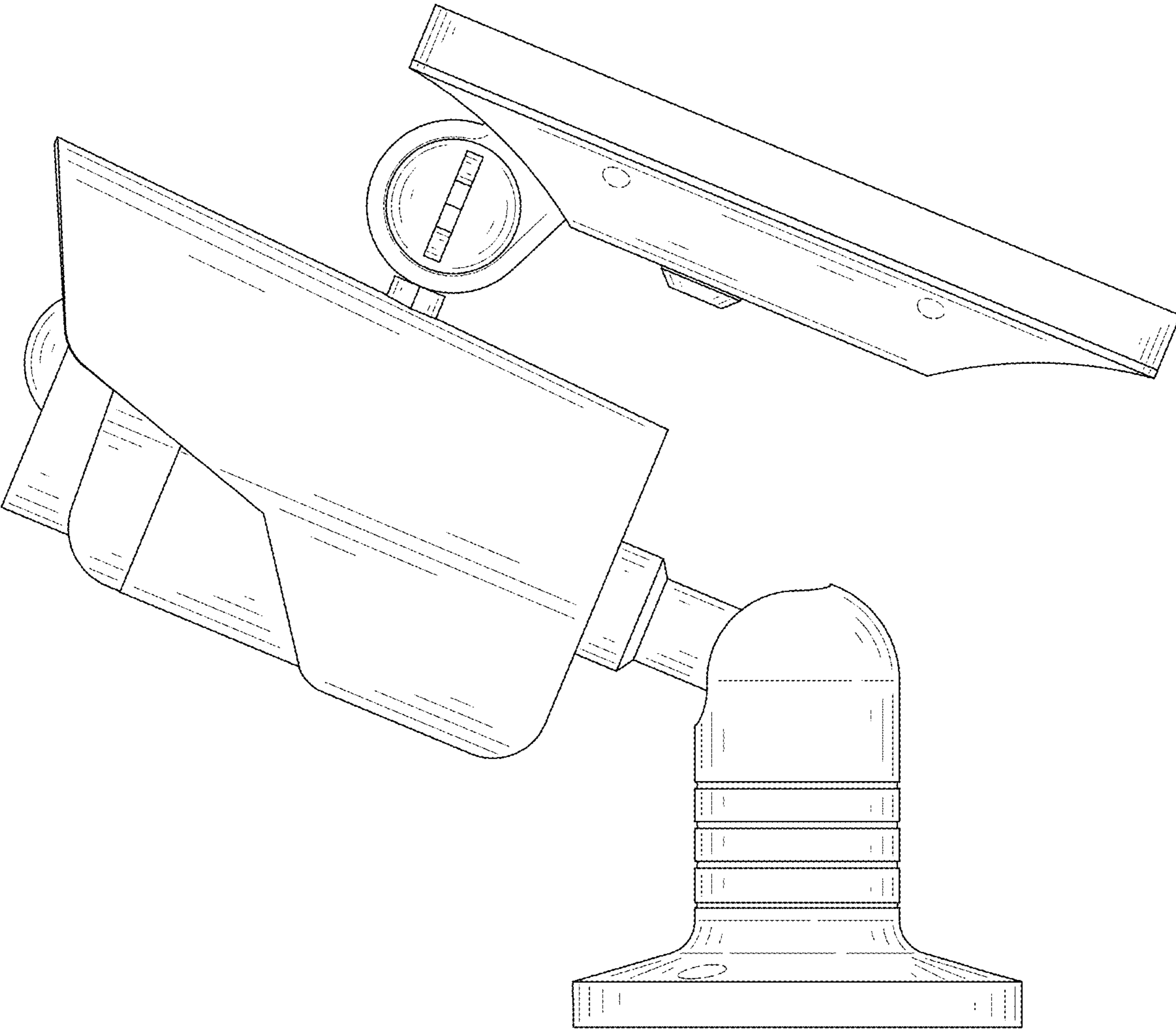


FIG. 9