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

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(54) **SOLAR BATTERY BOX**

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

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(51) **LOC (13) Cl.** **13-02**

(52) **U.S. Cl.**

USPC **D13/103**

(58) **Field of Classification Search**

USPC D13/103, 107, 108, 110, 137.1–137.4,
D13/138.1–138.2, 139.1–139.8, 152, 154,
D13/158, 171, 174, 184, 199; D14/250,
D14/251, 253, 432, 434

CPC Y02E 60/12; Y02E 60/122; Y02E 60/124;
Y02E 60/50; H01M 2/02; H01M 2/022;
H01M 2/0202; H01M 2/0207; H01M
2/0212; H01M 2/1061; H01M 2/1022;
H01M 2/1055; H01M 2/1066; H01M
2/105; H01M 2/204; H01M 2/202; H01M
2/206; H01M 10/4257; H01M 10/0436;
H01M 10/48; H01M 10/44; H01M 10/46;
H01M 10/465; H01M 10/482; H01R
11/00; H01R 9/00; H01R 13/00; H01R
13/04; H01R 13/10; H01R 13/6666;
H01R 13/6675; H01R 25/00; H01R
25/006; H01H 2207/00; H01H 2207/022
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D329,634 S 9/1992 Mizusugi et al.
D449,577 S 10/2001 Nishio et al.
D495,994 S 9/2004 Arakelian
D499,070 S 11/2004 Lavington

D517,479 S 3/2006 Schemm
D517,987 S 3/2006 Castagnola et al.
D517,988 S 3/2006 Ihde et al.
D635,106 S * 3/2011 Cheng D13/184
D660,261 S * 5/2012 Huang D13/184
D681,549 S 5/2013 Jackson
D686,157 S 7/2013 Kawase et al.
D718,717 S 12/2014 Commerford
D785,567 S 5/2017 Abena et al.
D821,968 S * 7/2018 Zhao D13/103
D823,788 S * 7/2018 Wei D13/103
D852,739 S * 7/2019 Becker D13/108

(Continued)

FOREIGN PATENT DOCUMENTS

JP D1077188 4/2000
JP D1140395 3/2002

(Continued)

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(57) **CLAIM**

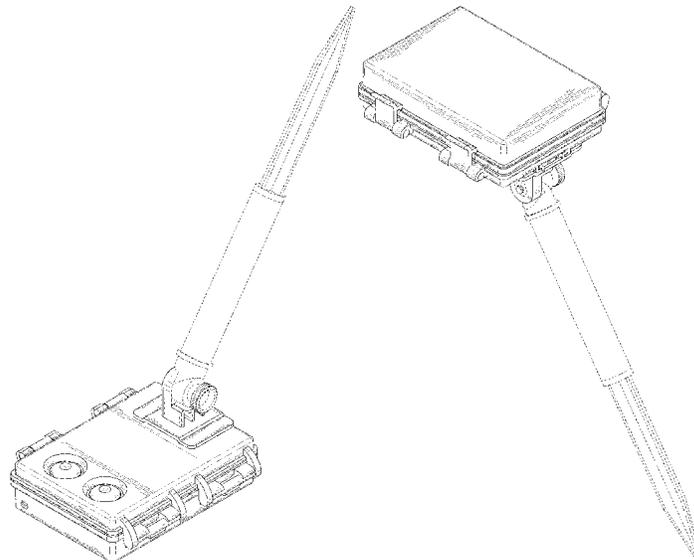
The ornamental design for a solar battery box, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, left side perspective view of a solar battery box showing my new design; FIG. 2 is a bottom, rear, right side 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; and, FIG. 8 is a bottom plan view thereof.

The broken lines in the drawings are for the purpose of illustrating portions of the solar battery box that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | |
|----------|---|---|--------|-------|-------|---------|
| D853,320 | S | * | 7/2019 | Guo | | D13/103 |
| D881,812 | S | * | 4/2020 | Yang | | D13/119 |
| D883,196 | S | * | 5/2020 | Chen | | D13/103 |
| D885,326 | S | * | 5/2020 | Zhang | | D13/103 |
| D886,045 | S | * | 6/2020 | Deng | | D13/103 |

FOREIGN PATENT DOCUMENTS

| | | |
|----|----------|---------|
| JP | D1174484 | 4/2003 |
| JP | D1229989 | 12/2004 |
| JP | D1248289 | 7/2005 |
| TW | D101964 | 12/2004 |
| TW | D180280 | 12/2016 |

* cited by examiner

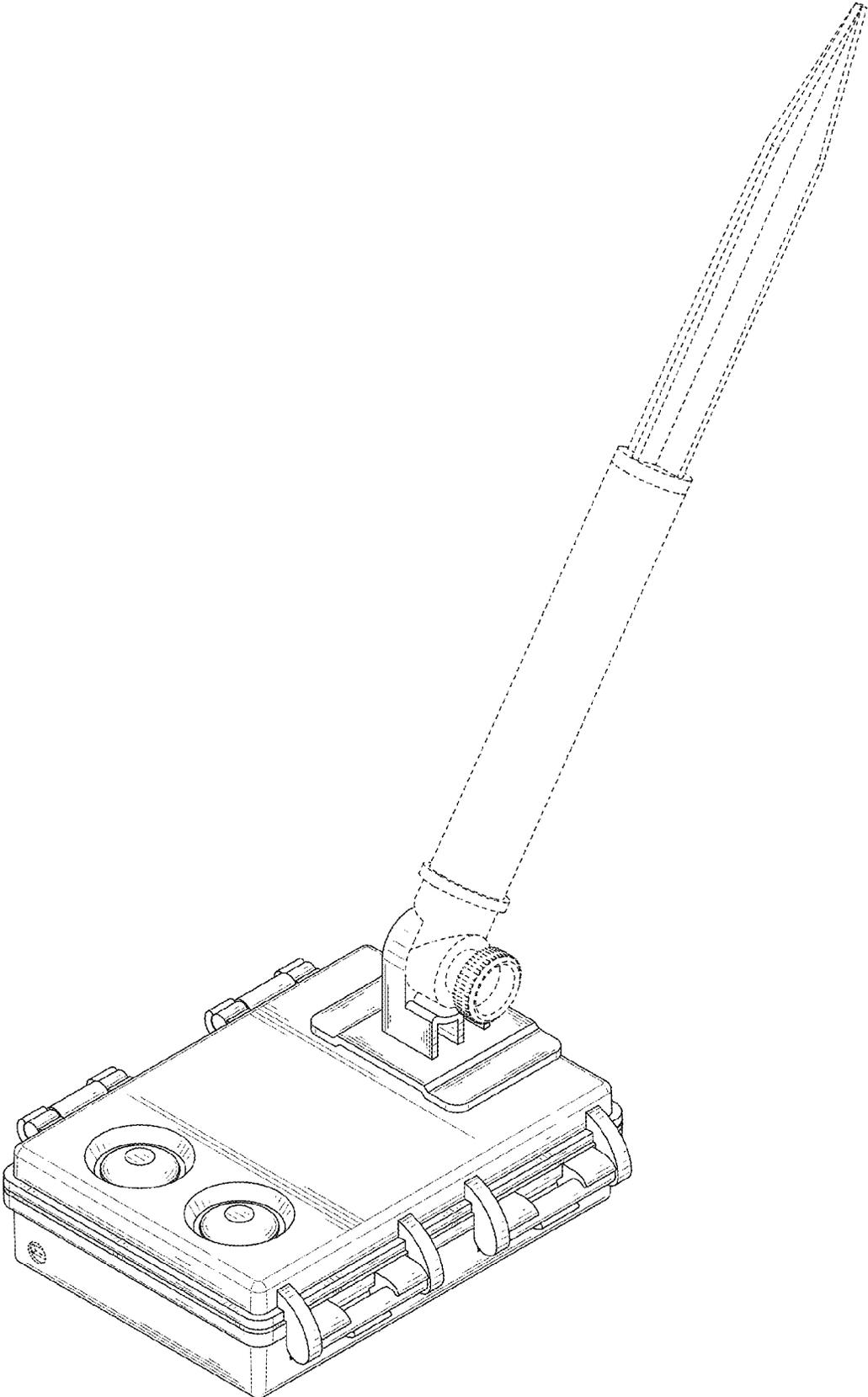


FIG. 1

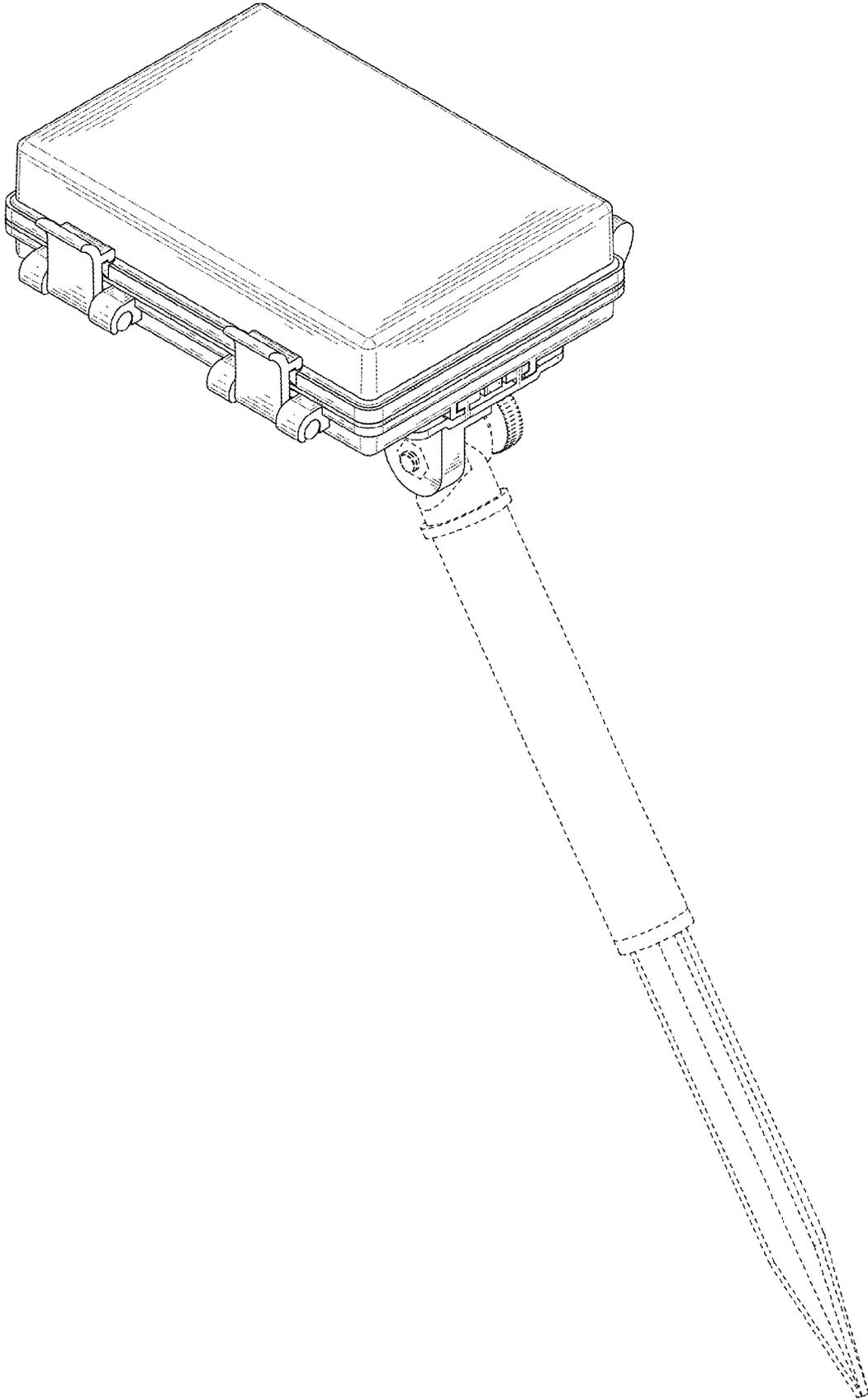


FIG. 2

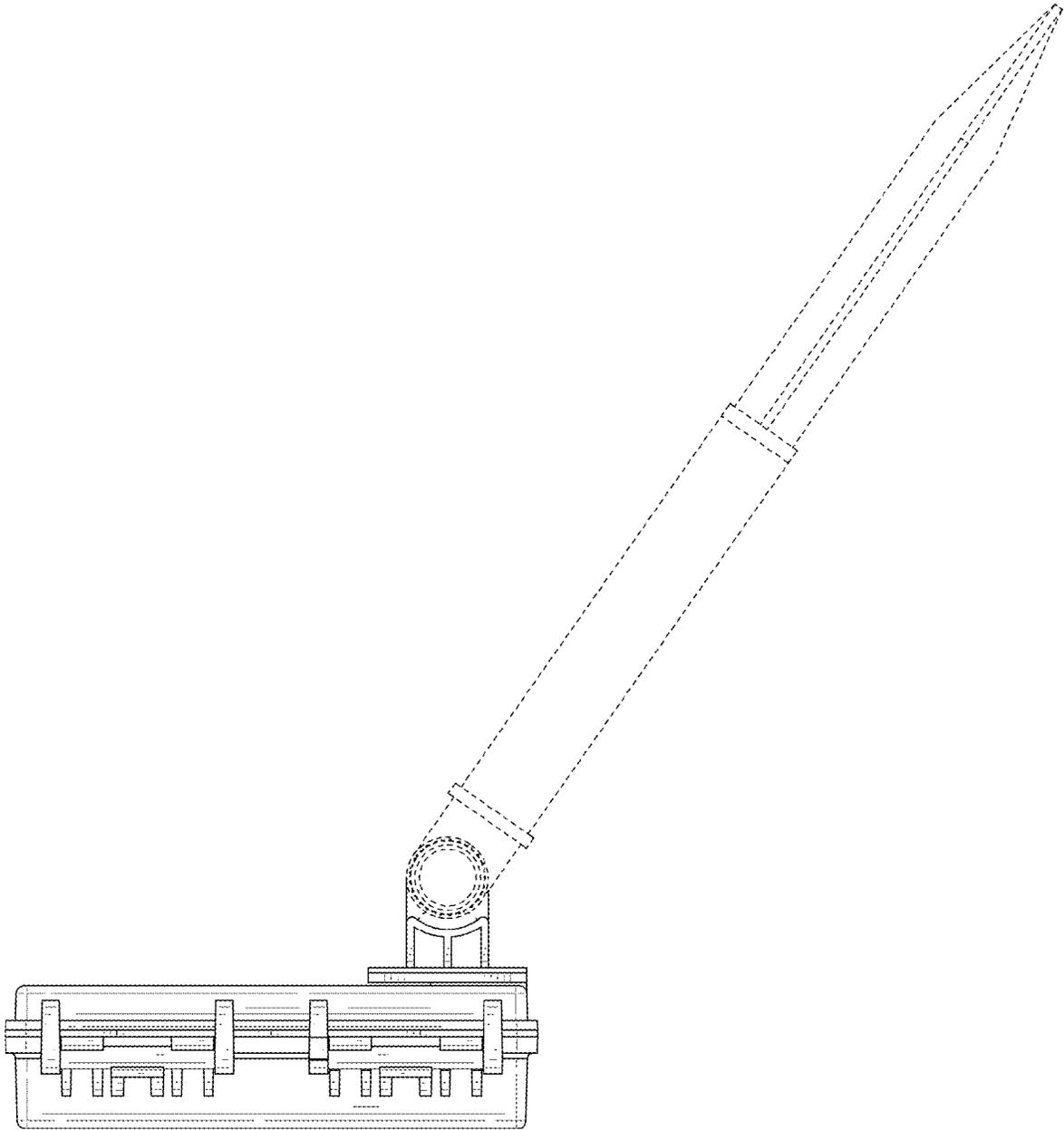


FIG. 3

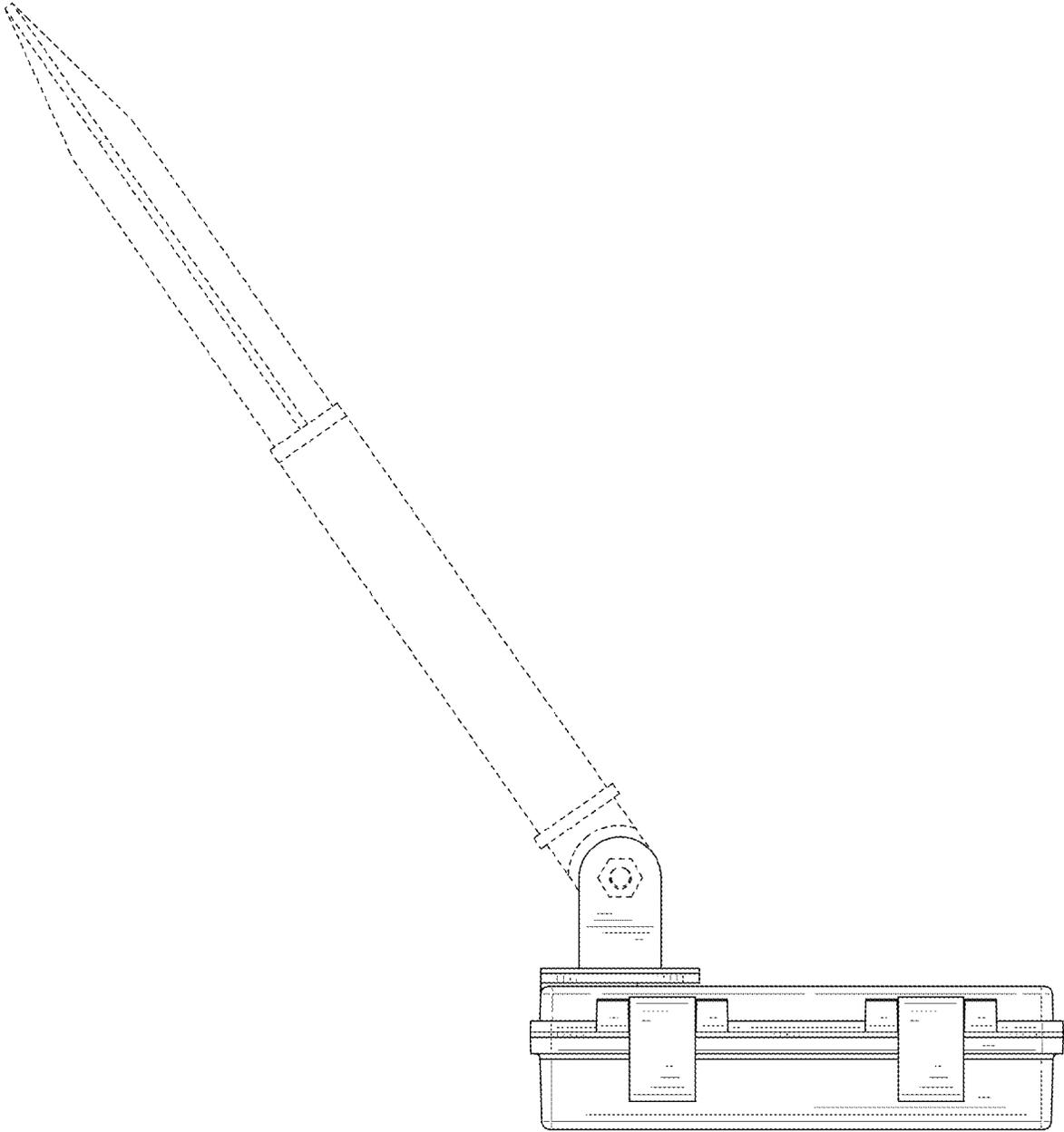


FIG. 4

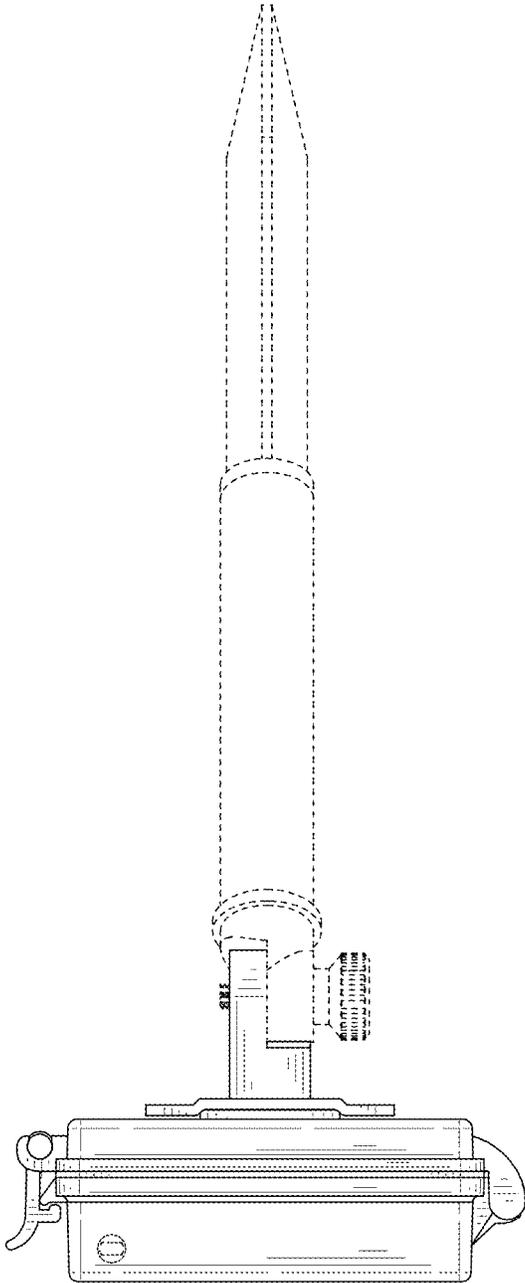


FIG. 5

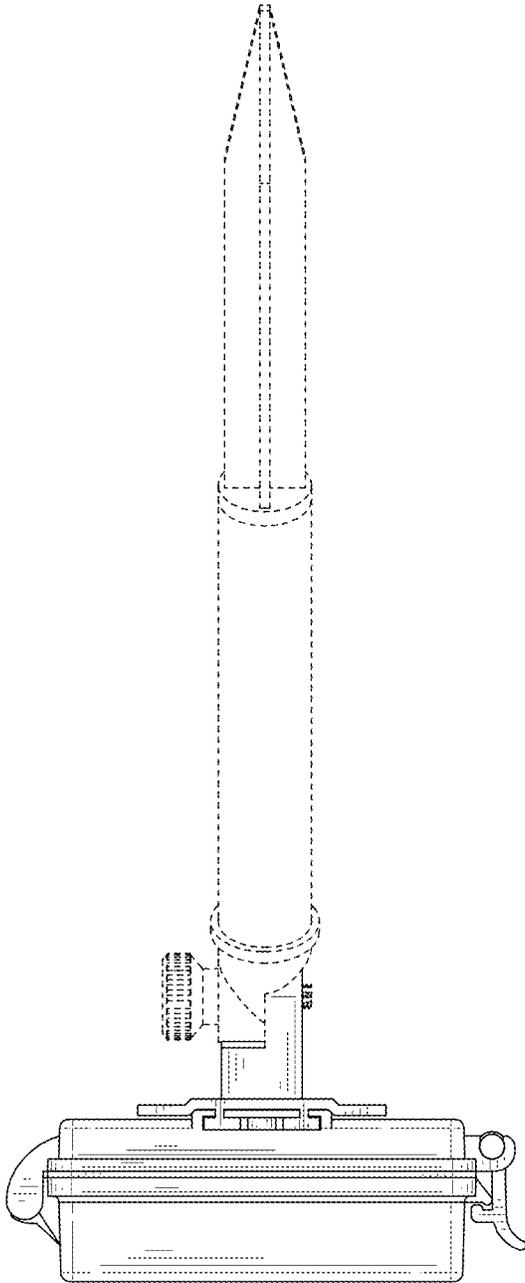


FIG. 6

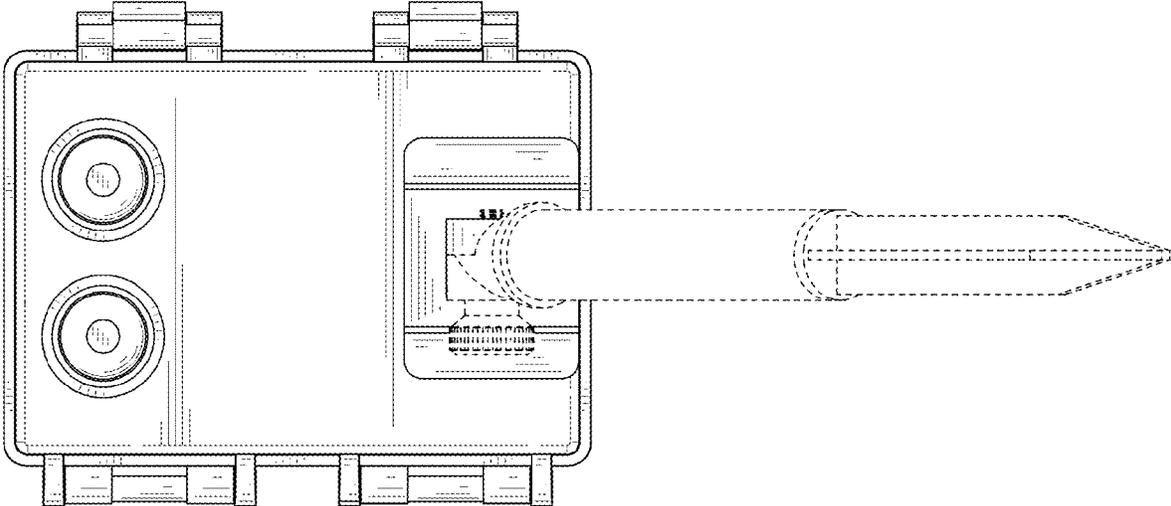


FIG. 7

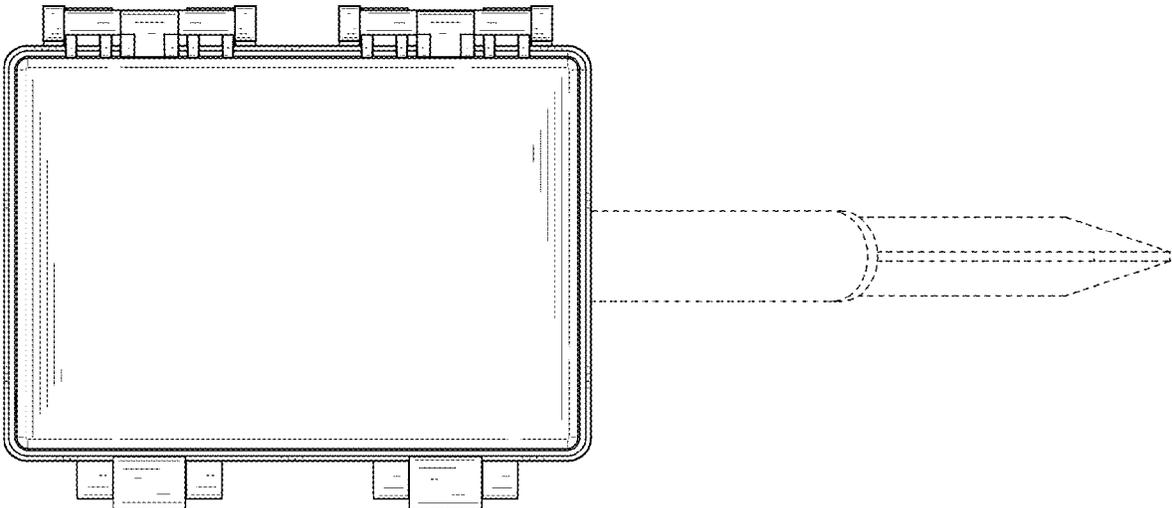


FIG. 8