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

(10) **Patent No.:** **US D970,327 S**

(45) **Date of Patent:** **** Nov. 22, 2022**

(54) **HACKSAW FRAME**

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** **08-03**

(52) **U.S. Cl.**
USPC **D8/97**; D8/60; D8/61

(58) **Field of Classification Search**
USPC D8/1, 60, 97, 61, 107, 11, 57, 26;
D15/28, 127
CPC B27B 21/02; B27B 21/00; B27B 21/04;
B27B 21/06; B27B 21/08; B27B 23/00;
B27B 31/00; B27B 31/003; B27B 13/02;
B27B 33/10; B27L 7/00; B27L 5/06;
B23B 3/26; B23B 5/14; B23B 5/08
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,729,092 A * 9/1929 Aubin B23D 49/11
30/505
- 1,972,566 A * 9/1934 Laemmel B23D 51/14
30/507
- D162,794 S * 4/1951 Derr D8/DIG. 3
- 2,642,100 A * 6/1953 Quirke B27B 17/0008
30/340
- D260,072 S * 8/1981 Covey D8/97
- D267,225 S * 12/1982 Shimizu D8/95
- D324,476 S * 3/1992 King, III D8/107
- D359,672 S * 6/1995 Gardiner D8/97

- D397,281 S * 8/1998 Hsu D8/95
- D519,816 S * 5/2006 Budrow D8/95
- D575,131 S * 8/2008 Cheng D8/107

(Continued)

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(57) **CLAIM**

The ornamental design for a hacksaw frame, as shown and described.

DESCRIPTION

FIG. 1 is a front, right and top perspective view of a hacksaw frame, showing my design.

FIG. 2 is a rear, left and bottom perspective view thereof.

FIG. 3 is a front elevation view thereof.

FIG. 4 is a rear elevation view thereof.

FIG. 5 is a left side elevation view thereof.

FIG. 6 is a right side elevation view thereof.

FIG. 7 is a top plan view thereof.

FIG. 8 is a bottom plan view thereof.

FIG. 9 is a partial enlarged view of an area labeled 9 in FIG. 1.

FIG. 10 is a partial enlarged view of an area labeled 10 in FIG. 1.

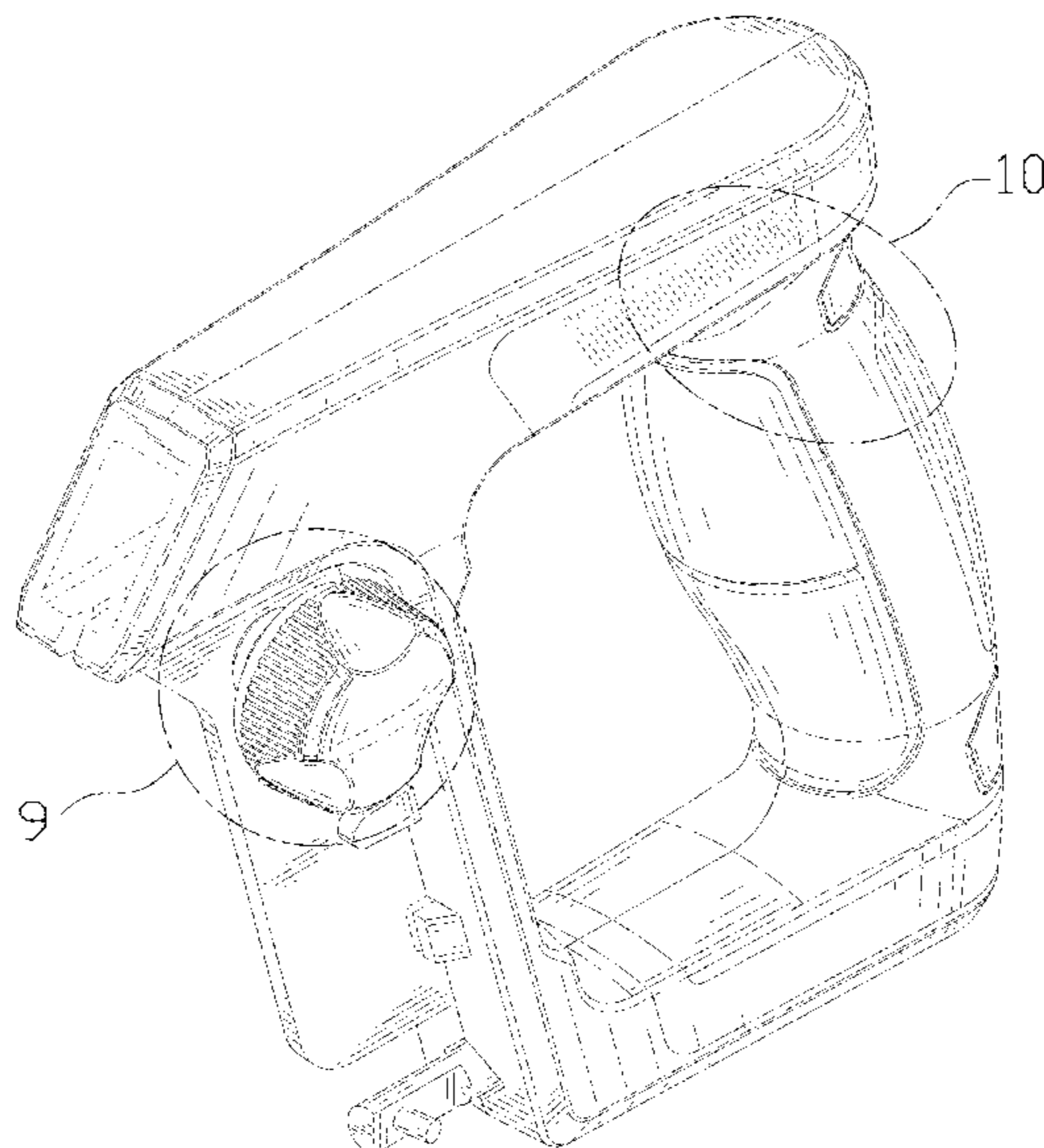
FIG. 11 is a top perspective view thereof, shown in an environment of use;

FIG. 12 is a top perspective view thereof, shown in an alternate environment of use; and,

FIG. 13 is a top perspective view thereof, shown in an additional alternate environment of use.

The evenly-spaced broken lines shown in FIGS. 1-13 illustrate portions of the hacksaw frame that form no part of the claimed design; The additional evenly-spaced broken lines shown in FIGS. 11-13 are for environmental purposes and form no part of the claimed design; the dot-dash broken lines surrounding the detail views shown in FIGS. 1, 9 and 10 are for annotative purposes only and form no part thereof.

1 Claim, 13 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D605,923 S * 12/2009 Jones D8/95
D633,360 S 3/2011 Shih
D645,330 S * 9/2011 Jones D8/95
D733,517 S * 7/2015 Constantine D8/107
D754,505 S * 4/2016 deBretton Gordon D8/57
D908,456 S * 1/2021 Thorn D8/95
D932,862 S 10/2021 Sun
D951,054 S * 5/2022 Weber D8/95
2018/0099339 A1 * 4/2018 Rowlay B26B 1/042

* cited by examiner

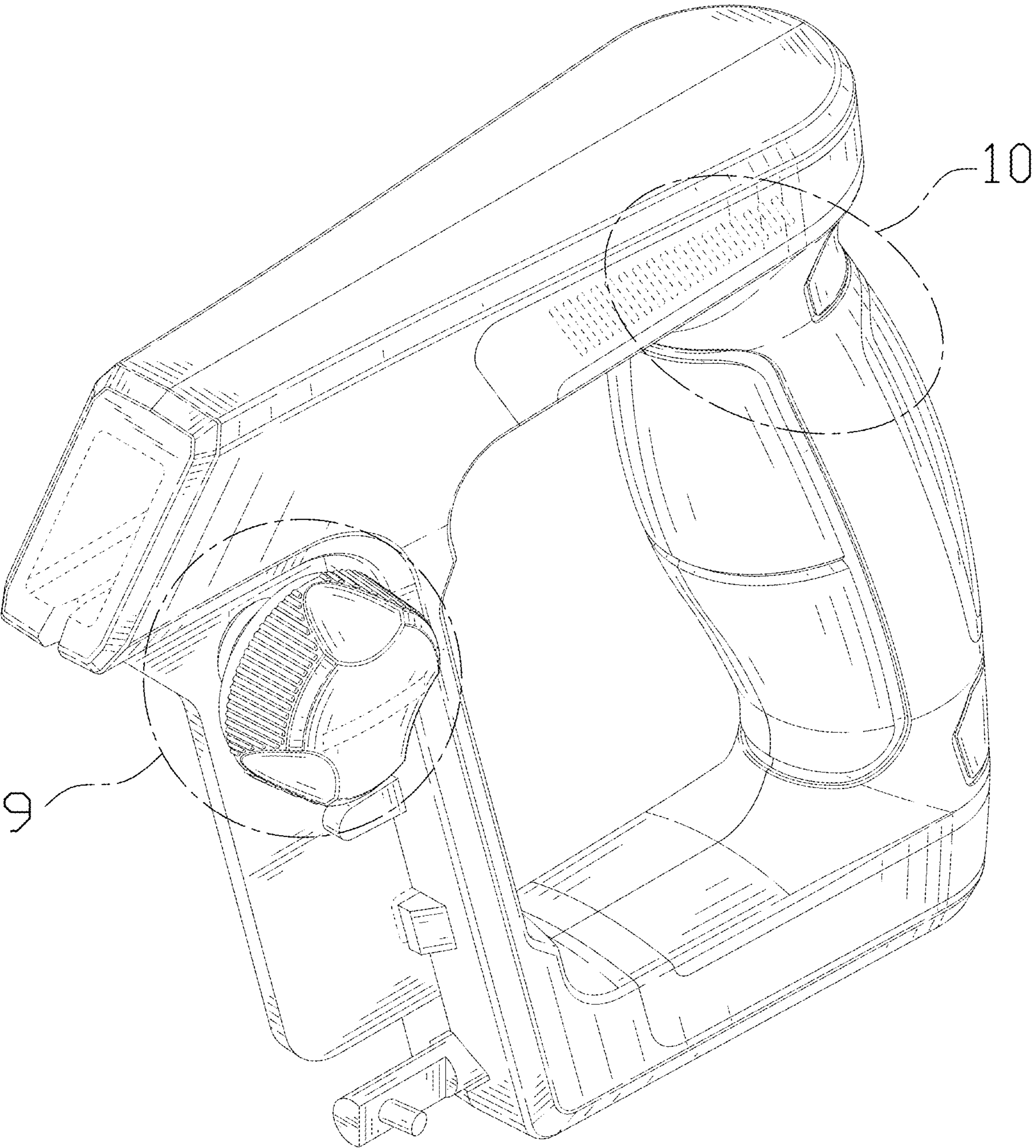


FIG. 1

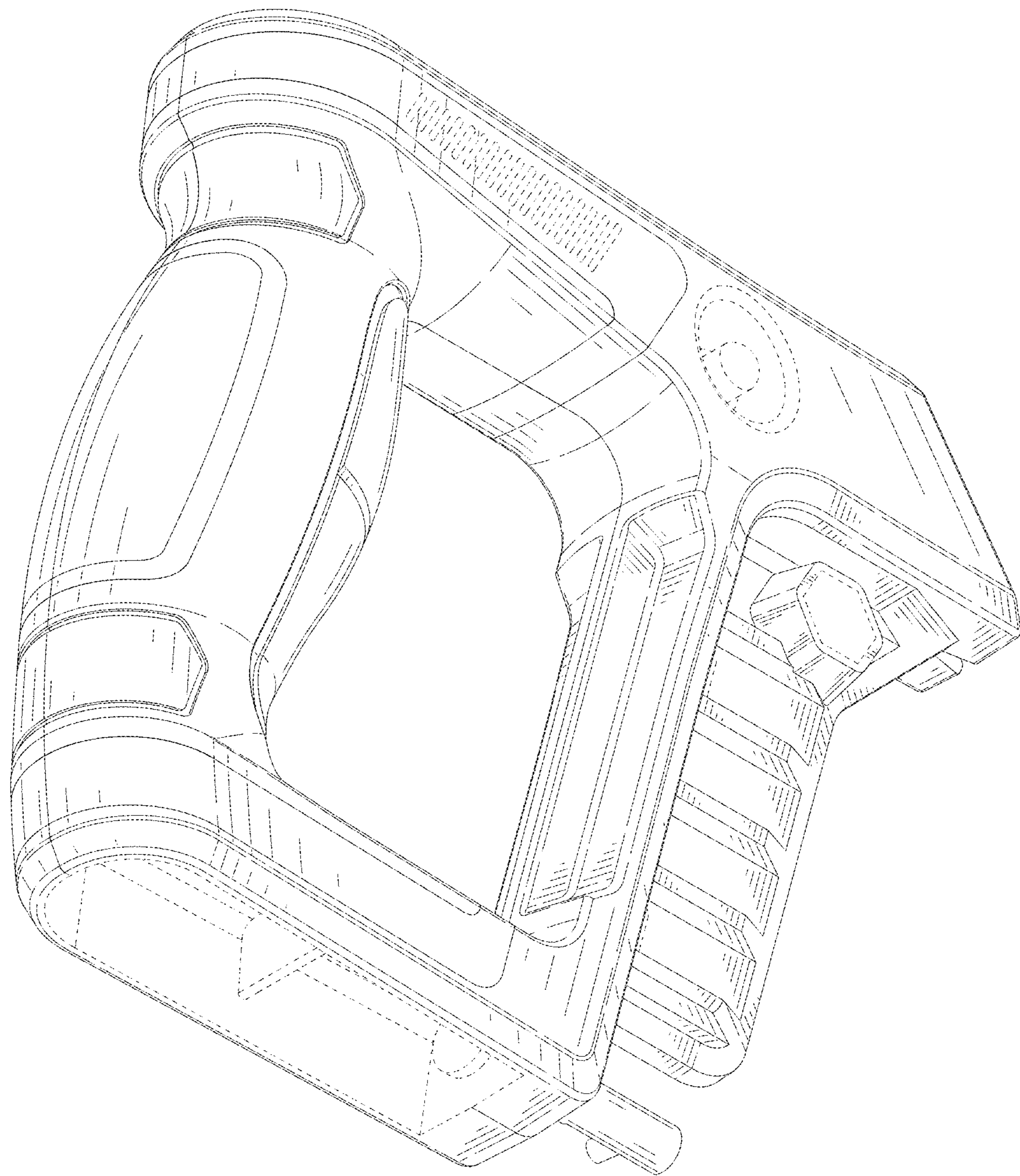


FIG. 2

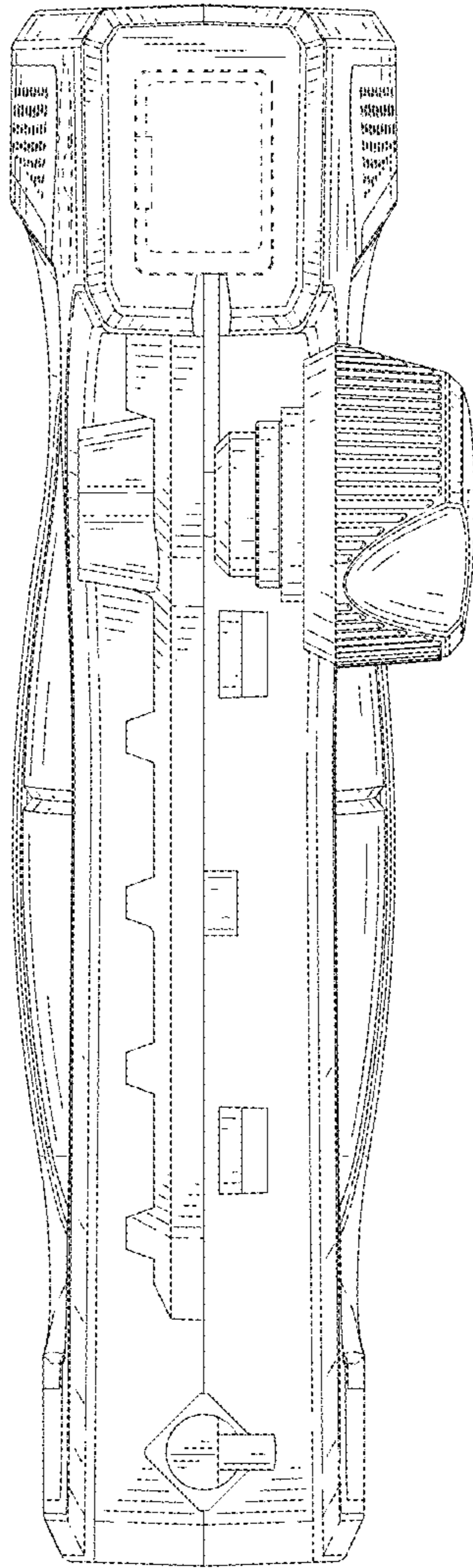


FIG. 3

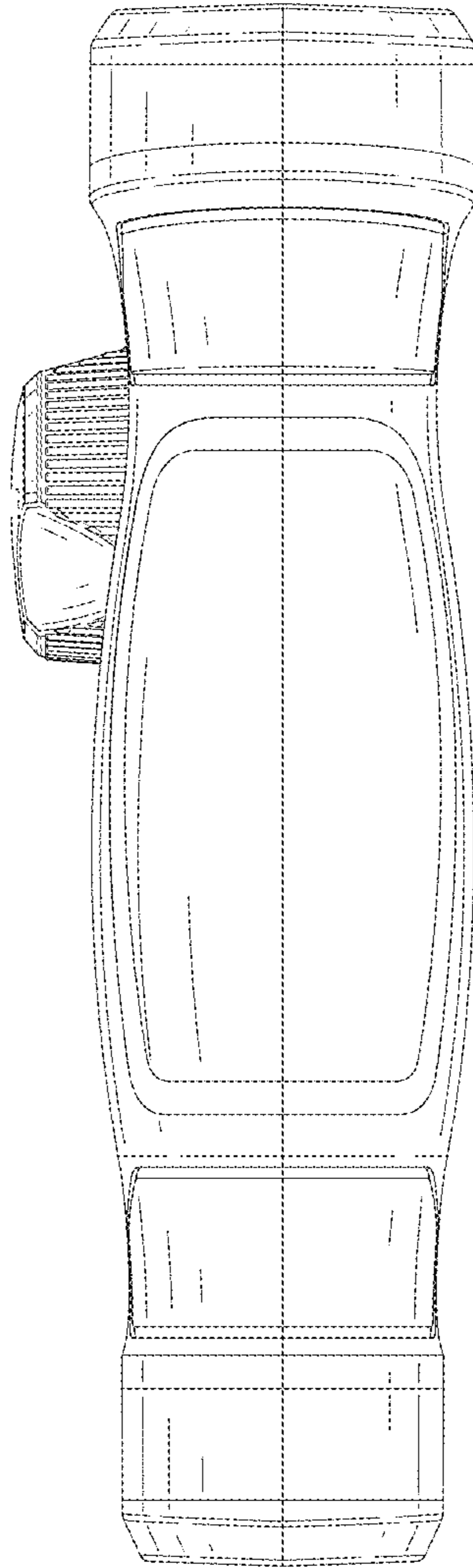


FIG. 4

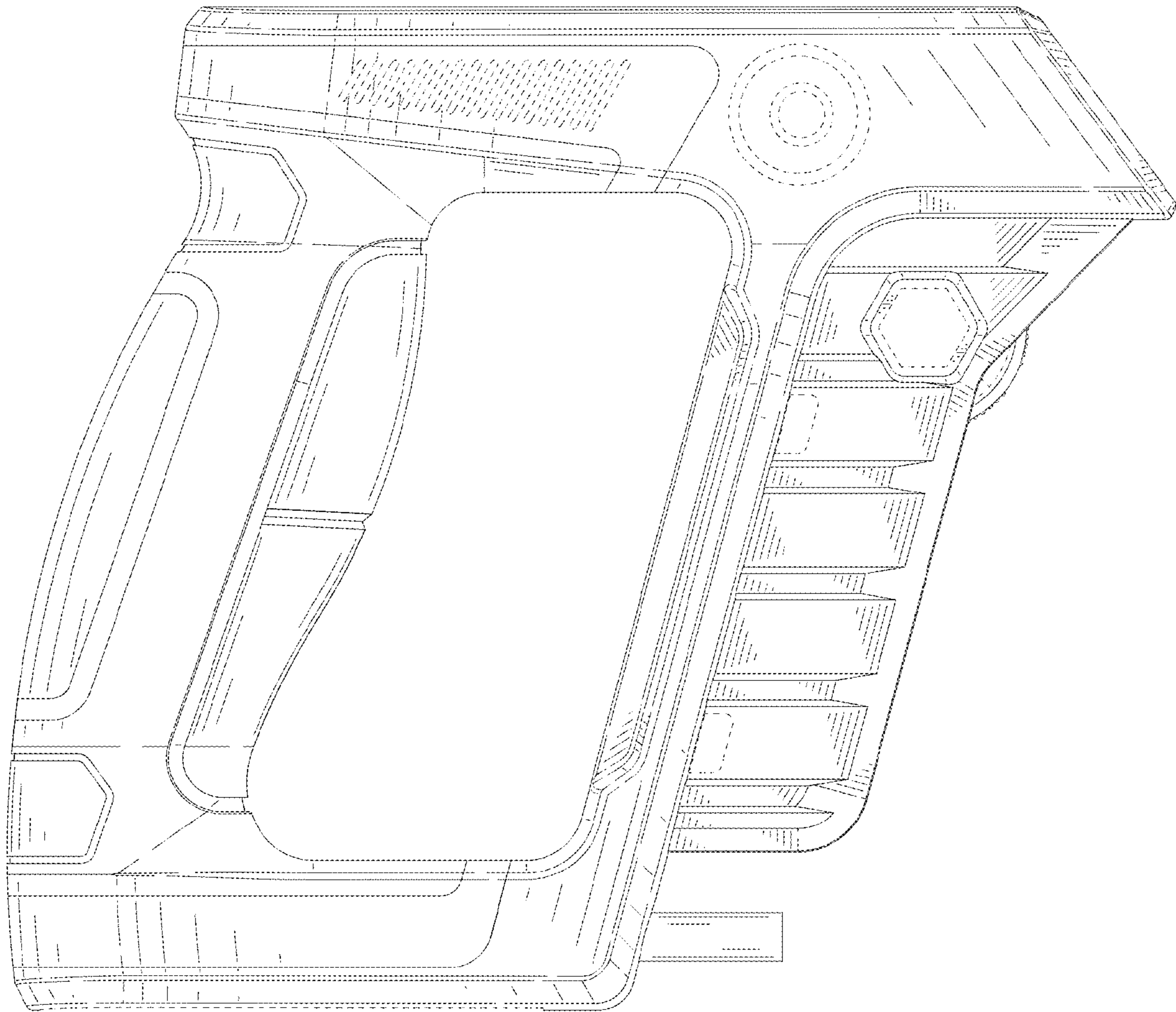


FIG. 5

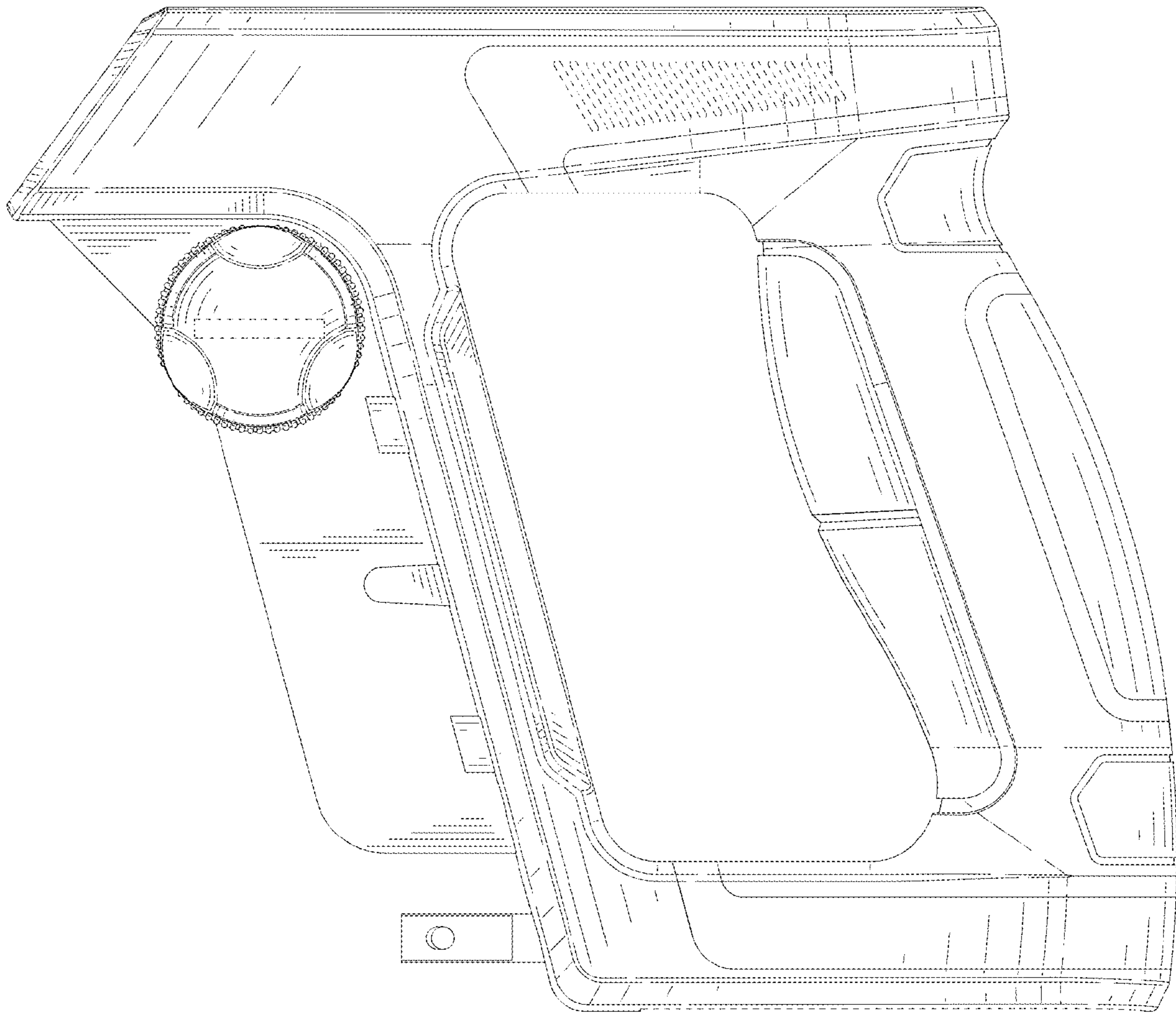


FIG. 6

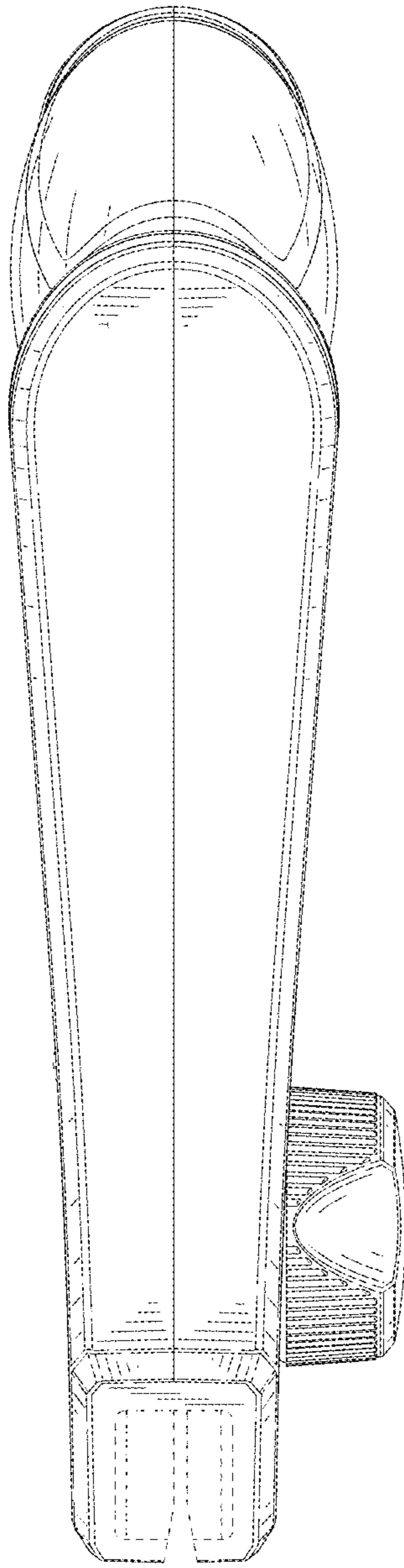


FIG. 7

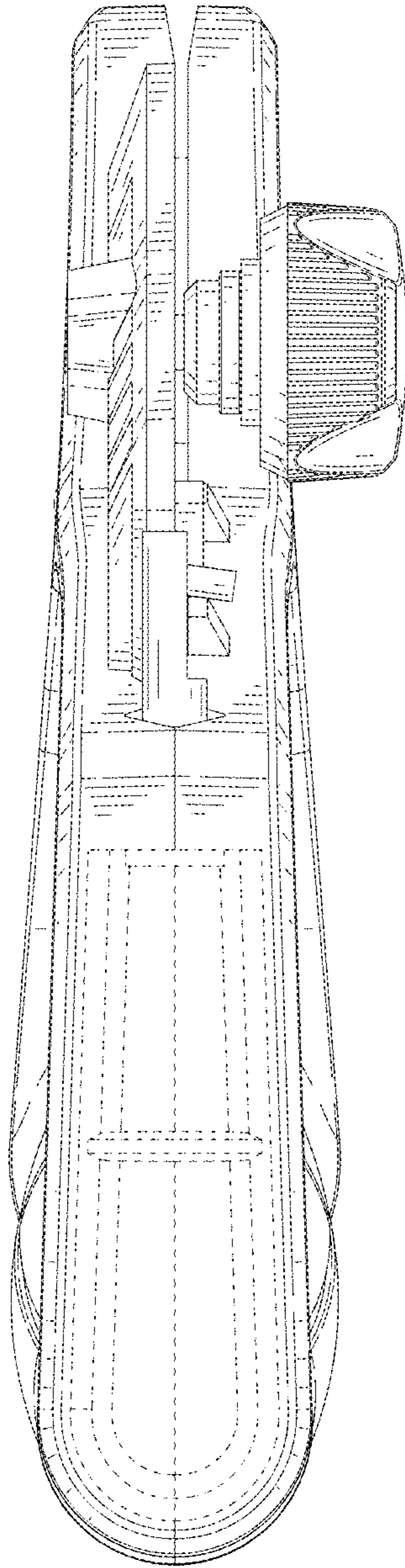


FIG. 8

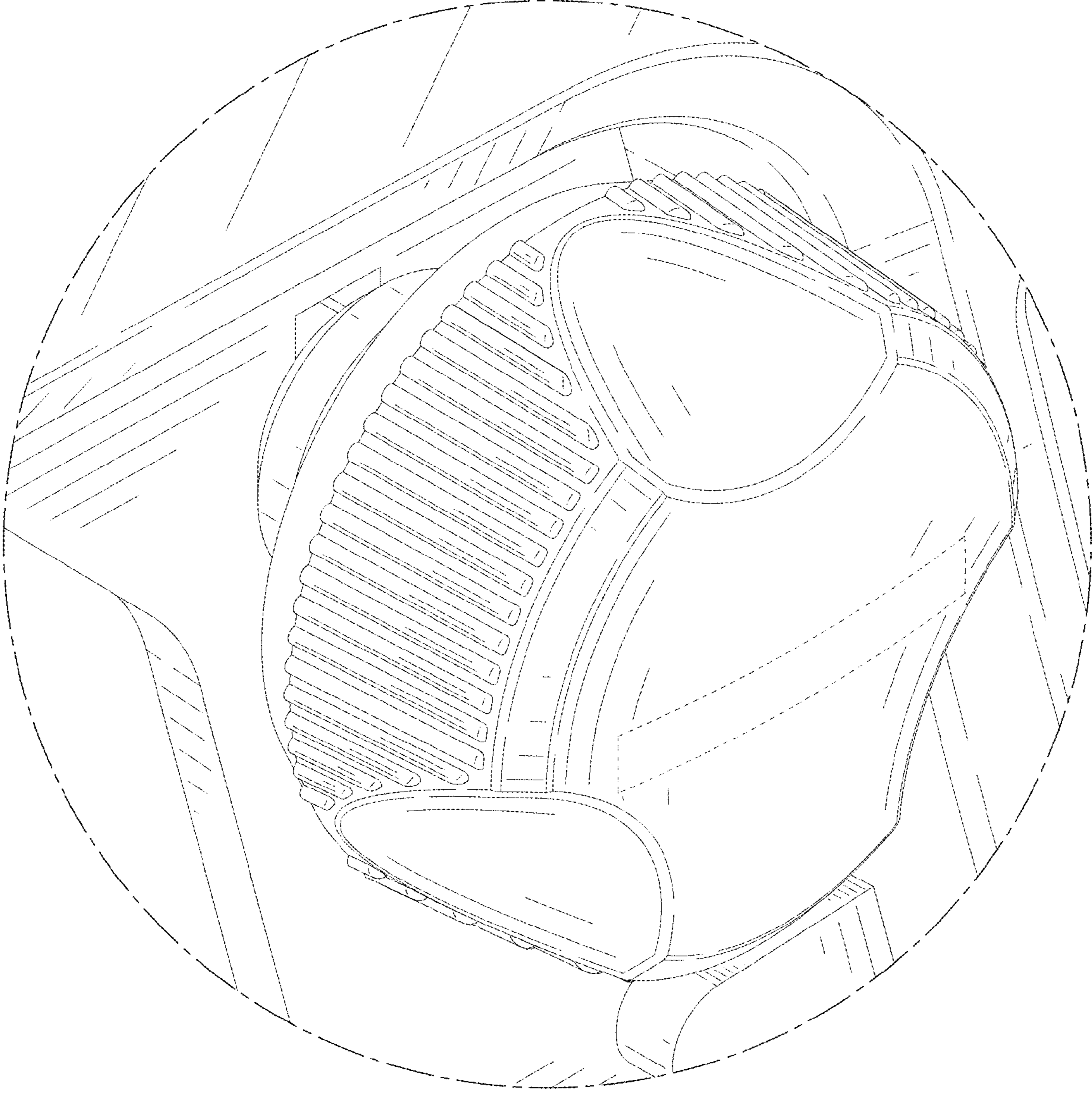


FIG. 9

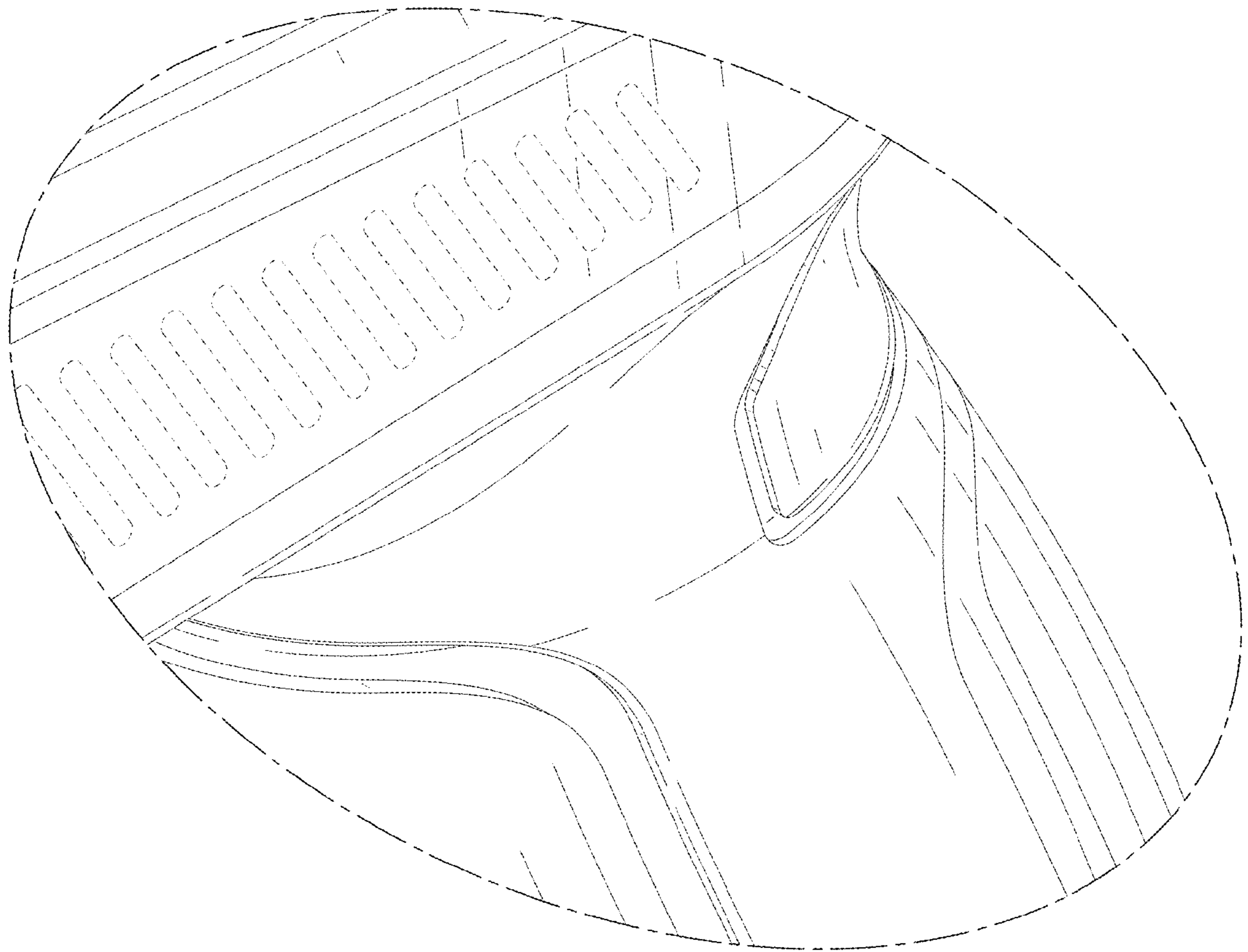


FIG. 10

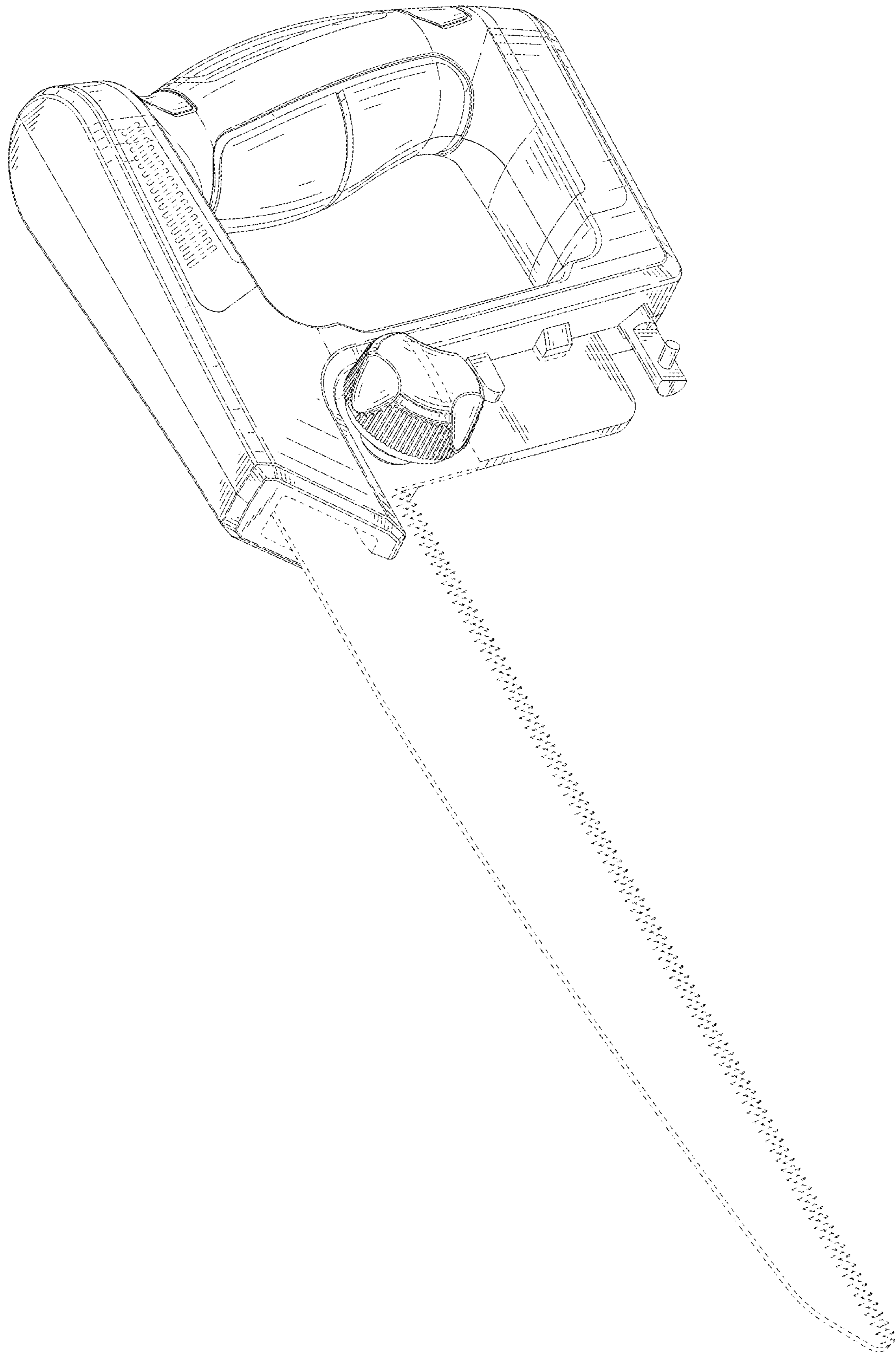


FIG. 11

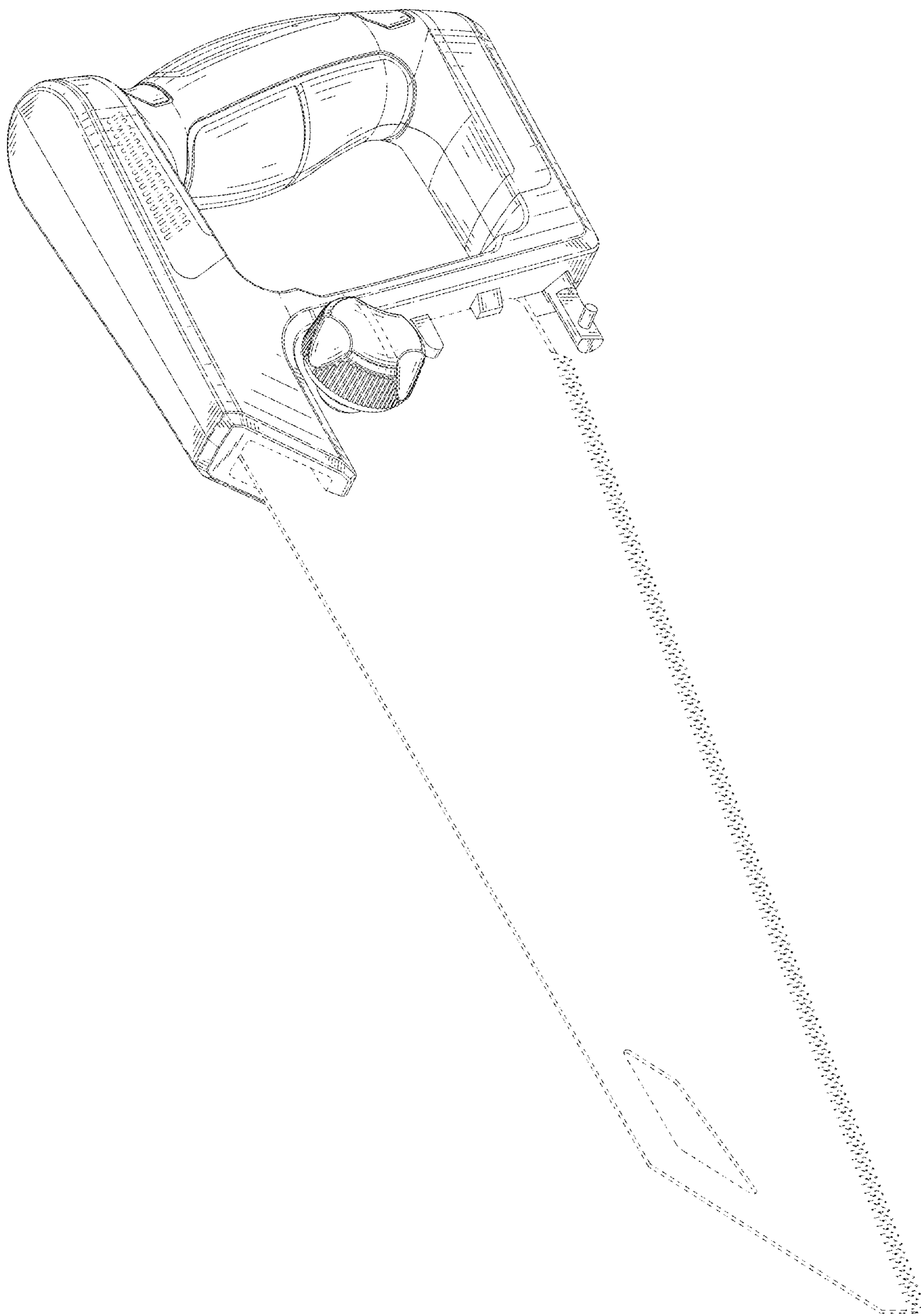


FIG. 12

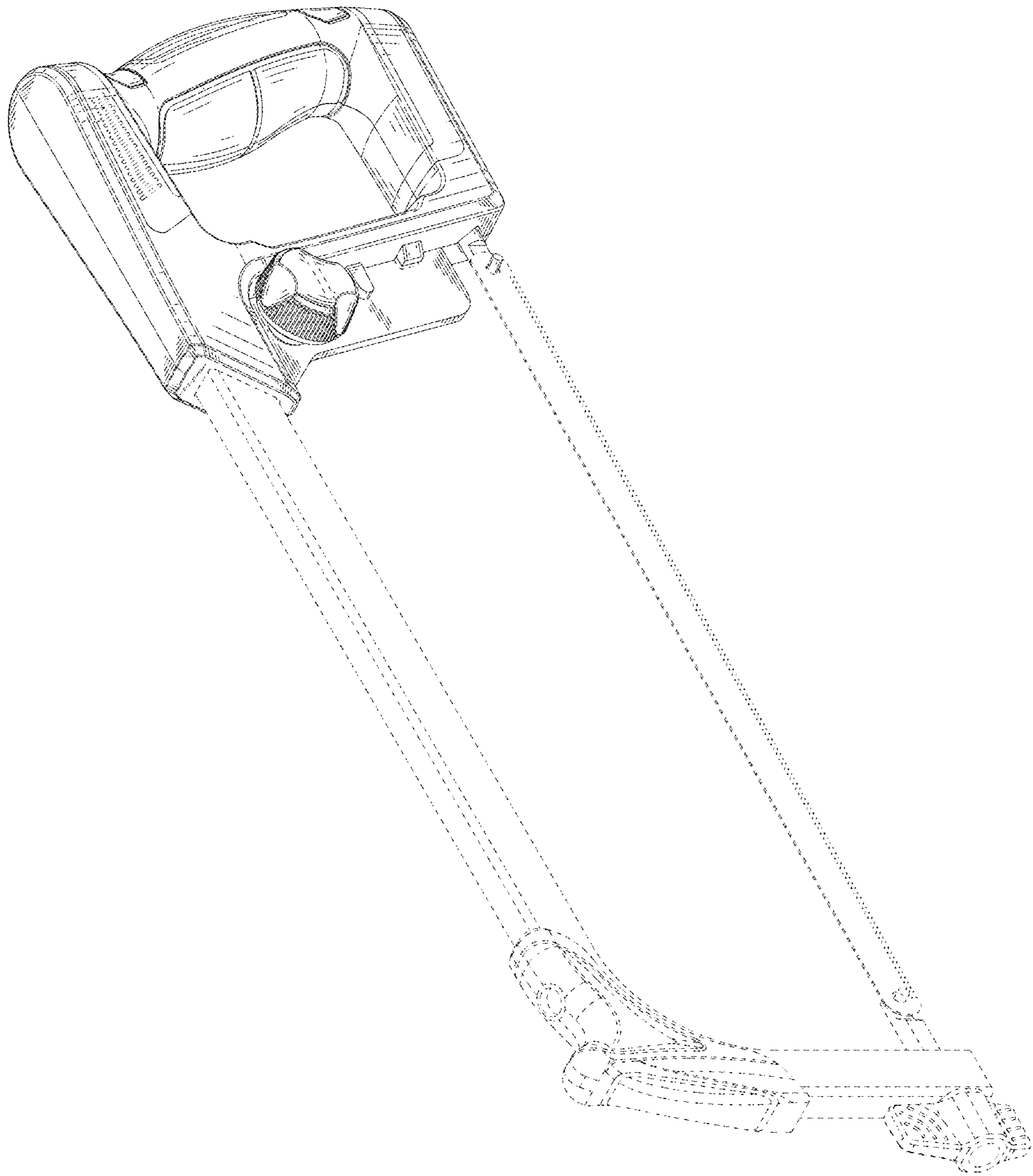


FIG. 13