

US00D904072S

(12) **United States Design Patent** (10) **Patent No.:** **US D904,072 S**
Smith et al. (45) **Date of Patent:** **** Dec. 8, 2020**

(54) **CORD TENSIONER**
(71) Applicant: **Hunter Douglas Inc.**, Pearl River, NY (US)
(72) Inventors: **Stephen P. Smith**, Denver, CO (US); **Michael True**, Thornton, CO (US); **Fred Bould**, Menlo Park, CA (US); **Kwan Hon Anson Cheung**, San Francisco, CA (US); **Andrew Aguinaldo**, Round Lake, IL (US)

2011/0035908 A1* 2/2011 Chen E06B 9/262
24/116 A
2011/0318087 A1* 12/2011 Wen E06B 9/326
403/2
2012/0037324 A1* 2/2012 Graneto, III A47H 1/04
160/341
2014/0235387 A1* 8/2014 Bergamaschi F16H 7/08
474/112
2014/0311686 A1* 10/2014 Yu E06B 9/323
160/84.02

(Continued)

(73) Assignee: **Hunter Douglas Inc.**, Pearl River, NY (US)

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

(21) Appl. No.: **29/655,932**

(22) Filed: **Jul. 9, 2018**

(51) **LOC (12) Cl.** **06-10**

(52) **U.S. Cl.**
USPC **D6/581**

(58) **Field of Classification Search**
USPC D6/575-577, 579, 580; D13/155;
D25/119, 121, 136
CPC A47H 1/04; A47H 15/00; A47H 23/01;
E06B 2009/2622; E06B 2009/402; E06B
2009/407; E06B 9/26; E06B 9/28; E06B
9/323; E06B 9/36; E06B 9/386; E06B
9/388; E06B 9/40; E06B 9/42; E06B 9/58
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D522,787 S * 6/2006 Dekker D6/575
D709,714 S * 7/2014 Graneto, III E06B 9/40
D6/580
10,641,040 B2 * 5/2020 Holt E06B 9/56
10,648,230 B2 * 5/2020 Holt E06B 9/42
2009/0250177 A1 * 10/2009 Byeon E06B 9/40
160/323.1

OTHER PUBLICATIONS

Ningbo Zhenfei, "Cord Tensioner," photo taken at R+T Stuttgart trade show. Stuttgart, Germany. Feb. 2018.

Primary Examiner — Kevin K Rudzinski

Assistant Examiner — Clare Ann Gannon

(74) *Attorney, Agent, or Firm* — Leason Ellis LLP

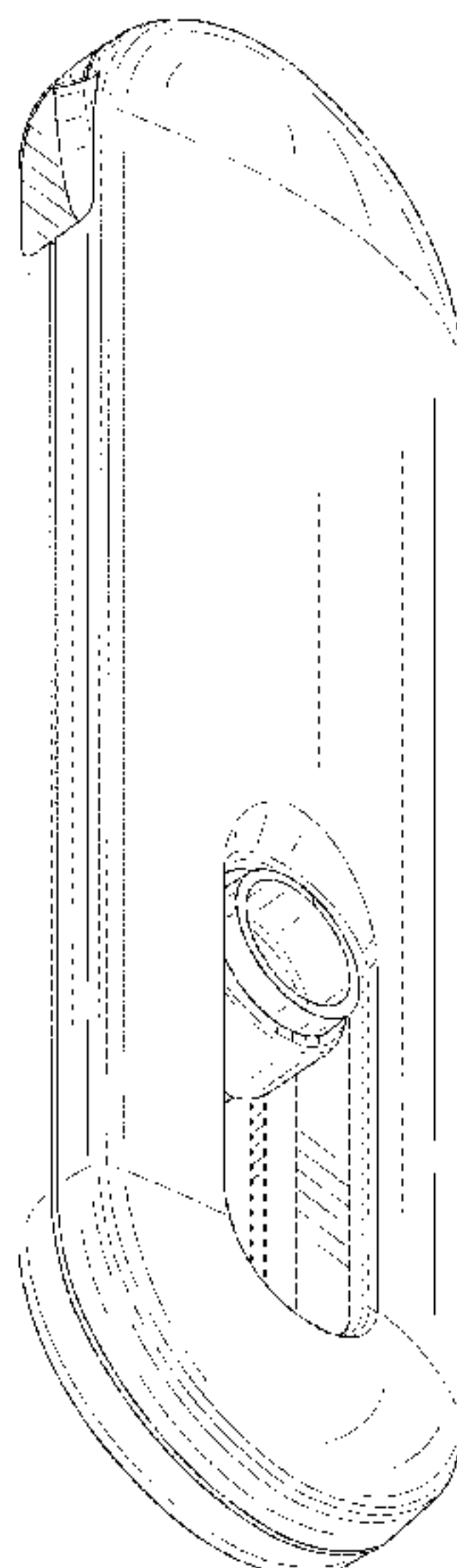
(57) **CLAIM**

The ornamental design for a cord tensioner, as shown and described.

DESCRIPTION

FIG. 1 is a bottom perspective view of a cord tensioner showing the claimed design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof; and,
FIG. 8 is a top perspective view thereof.
The dash-dash broken lines illustrate environmental structure and form no part of the claimed design.
Conventional contour lines and/or surface shading are illustrated for purposes of highlighting the solid-rendering, but form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2015/0121762 A1* 5/2015 Chou E05F 11/04
49/352
2015/0233179 A1* 8/2015 Huang E06B 9/40
160/309
2015/0376941 A1* 12/2015 Fujita E06B 9/26
160/241
2019/0264501 A1* 8/2019 Marocco E06B 9/324

* cited by examiner

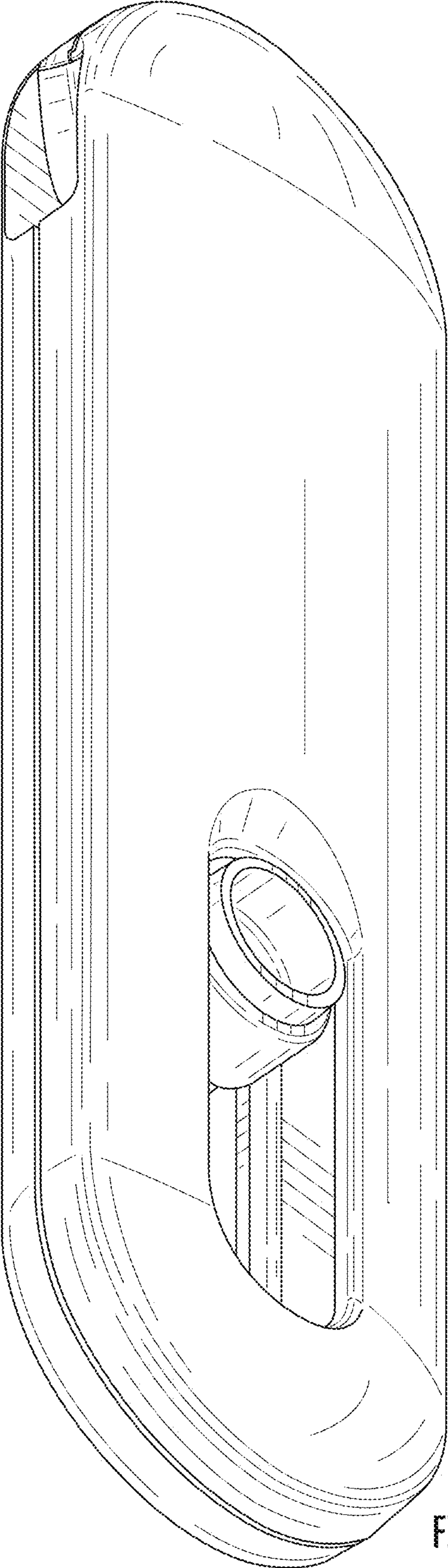


FIG. 1

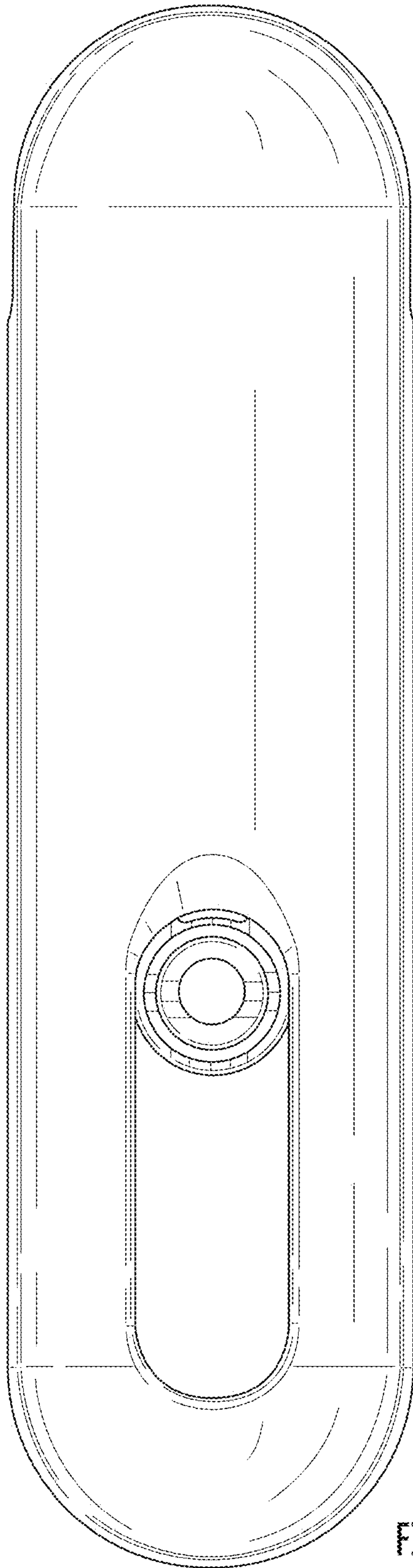


FIG. 2

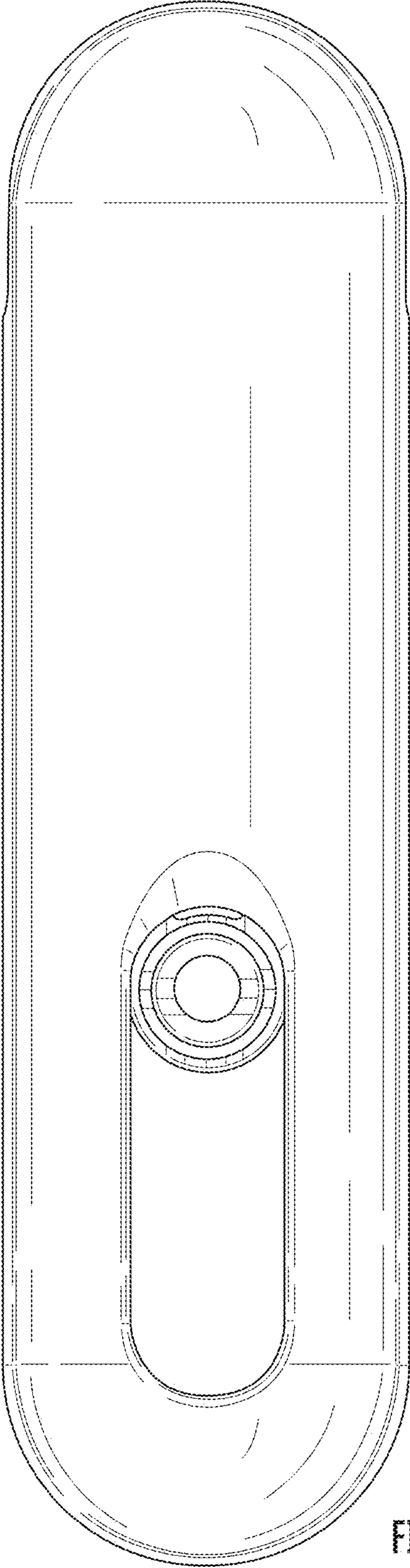


FIG. 3

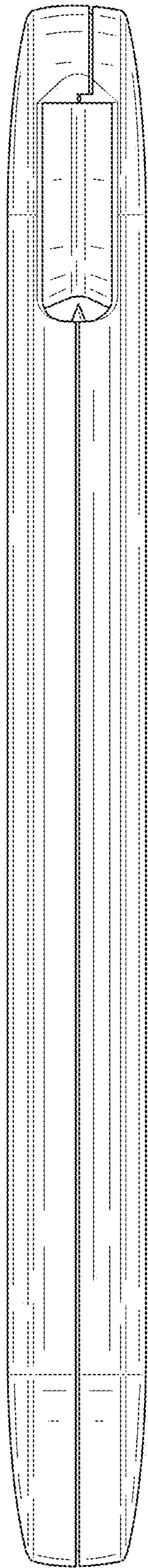


FIG. 4

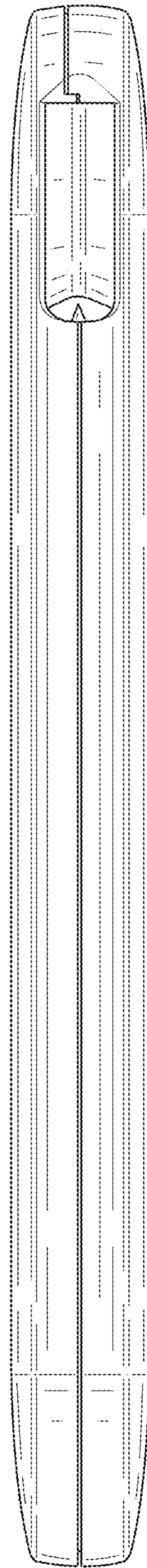


FIG. 5

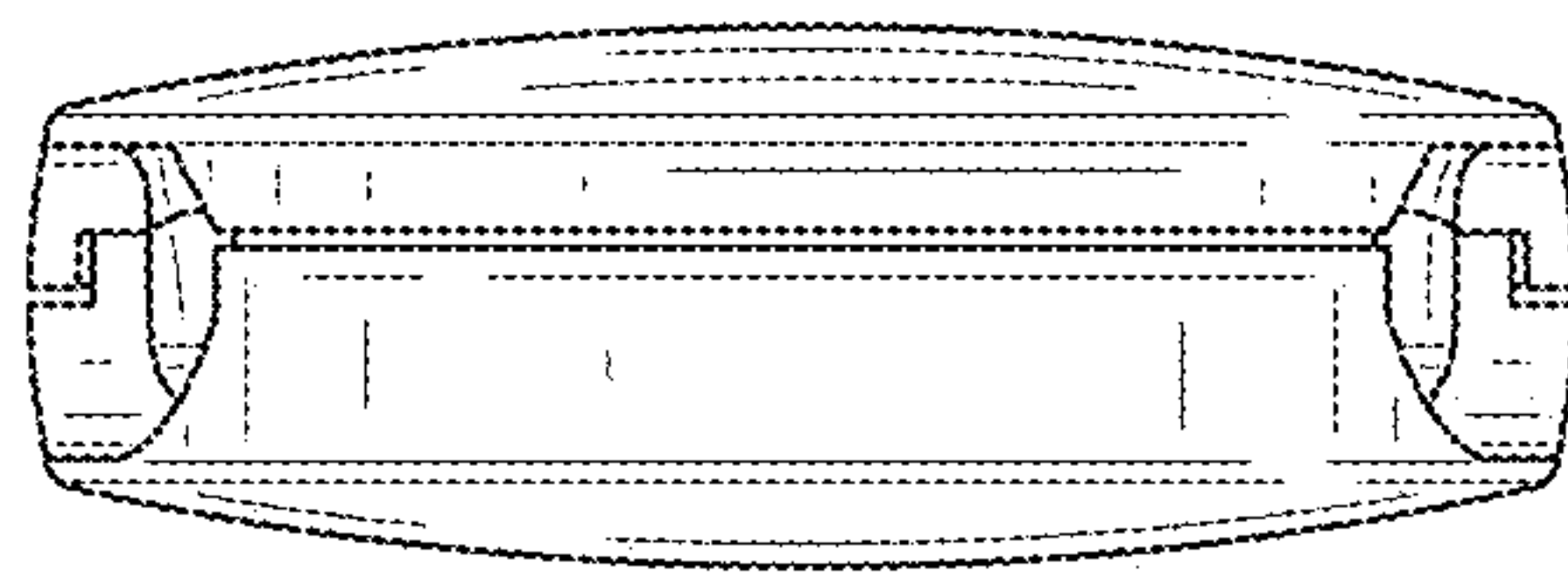


FIG. 6



FIG. 7

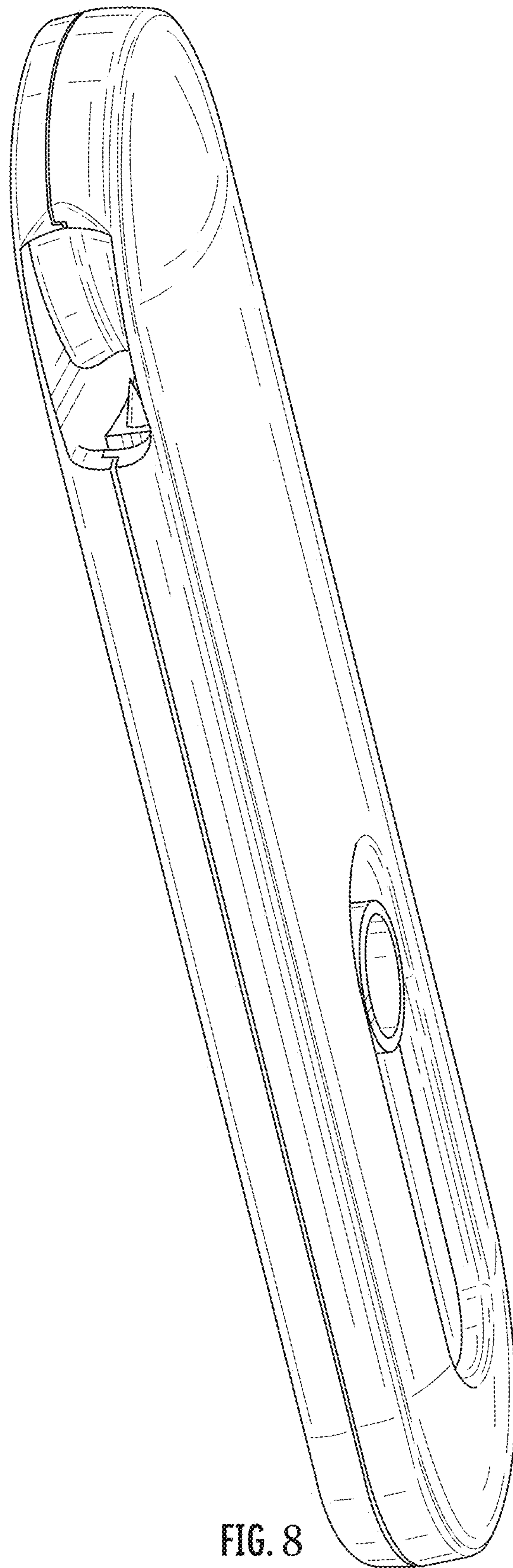


FIG. 8