



US00D982071S

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

(10) **Patent No.:** **US D982,071 S**
(45) **Date of Patent:** **** Mar. 28, 2023**

(54) **LIGATURE SCREW FOR INSTRUMENT MOUTHPIECE**

(71) Applicant: **Wanne Inc.**, Bellingham, WA (US)

(72) Inventor: **Theo Wanne**, Bellingham, WA (US)

(73) Assignee: **Wanne Inc.**, Bellingham, WA (US)

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

(21) Appl. No.: **29/750,939**

(22) Filed: **Sep. 17, 2020**

(51) **LOC (14) Cl.** **17-02**

(52) **U.S. Cl.**
USPC **D17/13**

(58) **Field of Classification Search**
USPC D17/10, 13, 99
CPC .. G10D 7/00; G10D 7/02; G10D 7/08; G10D 7/14; G10D 7/15; G10D 9/00; G10D 9/02; G10D 9/025; G10D 9/03
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

8,217,248 B1 * 7/2012 Feliciano G10D 9/02
84/382
D711,457 S * 8/2014 Tatsumi D17/13
(Continued)

FOREIGN PATENT DOCUMENTS

JP 07064542 A * 3/1995
WO WO-2007006967 A1 * 1/2007 G10D 9/02

Primary Examiner — R. Johnson

(74) *Attorney, Agent, or Firm* — FisherBroyles LLP;
Kevin D. Jablonski

(57) **CLAIM**

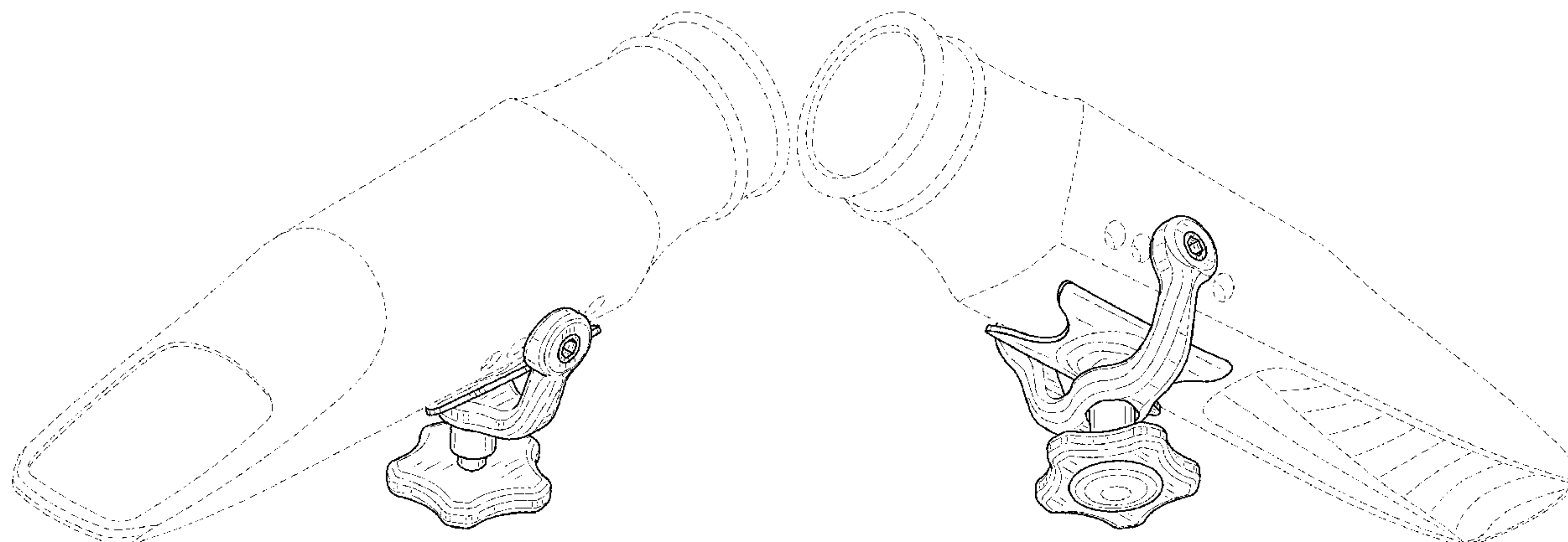
The ornamental design for a ligature screw for instrument mouthpiece, as shown and described.

DESCRIPTION

FIG. 1 is a first isometric view of the ligature screw for instrument mouthpiece;
FIG. 2 is a second isometric view of the ligature screw for instrument mouthpiece;
FIG. 3 is a right-side view of the ligature screw for instrument mouthpiece;
FIG. 4 is a left-side view of the ligature screw for instrument mouthpiece;
FIG. 5 is a top view of the ligature screw for instrument mouthpiece;
FIG. 6 is a bottom view of the ligature screw for instrument mouthpiece;
FIG. 7 is a front view of the ligature screw for instrument mouthpiece; and,
FIG. 8 is a back view of the ligature screw for instrument mouthpiece.

The subject ornamental design, as shown in FIGS. 1-8 is for a ligature screw for holding a mouthpiece to a musical instrument such as a saxophone or other woodwind instrument. The ligature screw is operable to rotate within an alignment arm that may attach to a mouthpiece at one of a plurality of engagement holes (disclaimed in this embodiment as broken lines). The ligature screw is operated when a person engages a rotatable screw handle that is shown having five rounded points in a star-like pattern. When rotating the ligature screw in one direction (e.g., clockwise), an engagement base may be moved toward a mouthpiece body (disclaimed). Likewise, when rotating the ligature screw in another direction (e.g., counter-clockwise), the engagement base may be moved away from the mouthpiece body (disclaimed). Further, the ligature screw is disposed within an assembly that is able to engage one set of engagement holes on the mouthpiece. Having a ligature screw assembly that only contacts the mouthpiece at two points is a design feature. Broken lines represent unclaimed material that is intended to aid in interpretation of the physical appearance of the ligature screw without limiting the scope of the ligature screw.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2008/0083316 A1* 4/2008 Wanne G10D 9/02
84/398
2022/0148542 A1* 5/2022 Wanne G10D 9/02

* cited by examiner

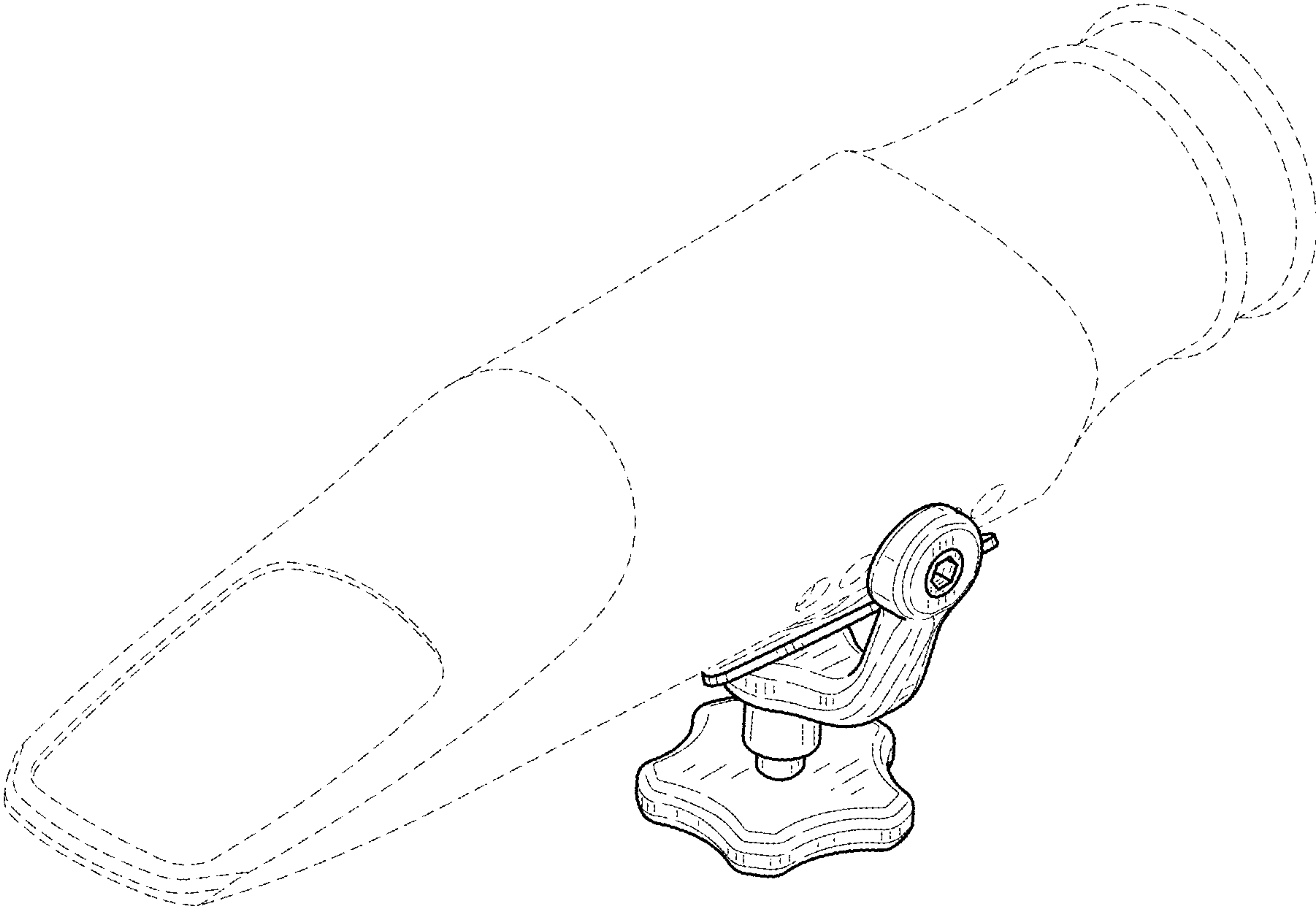


FIG.1

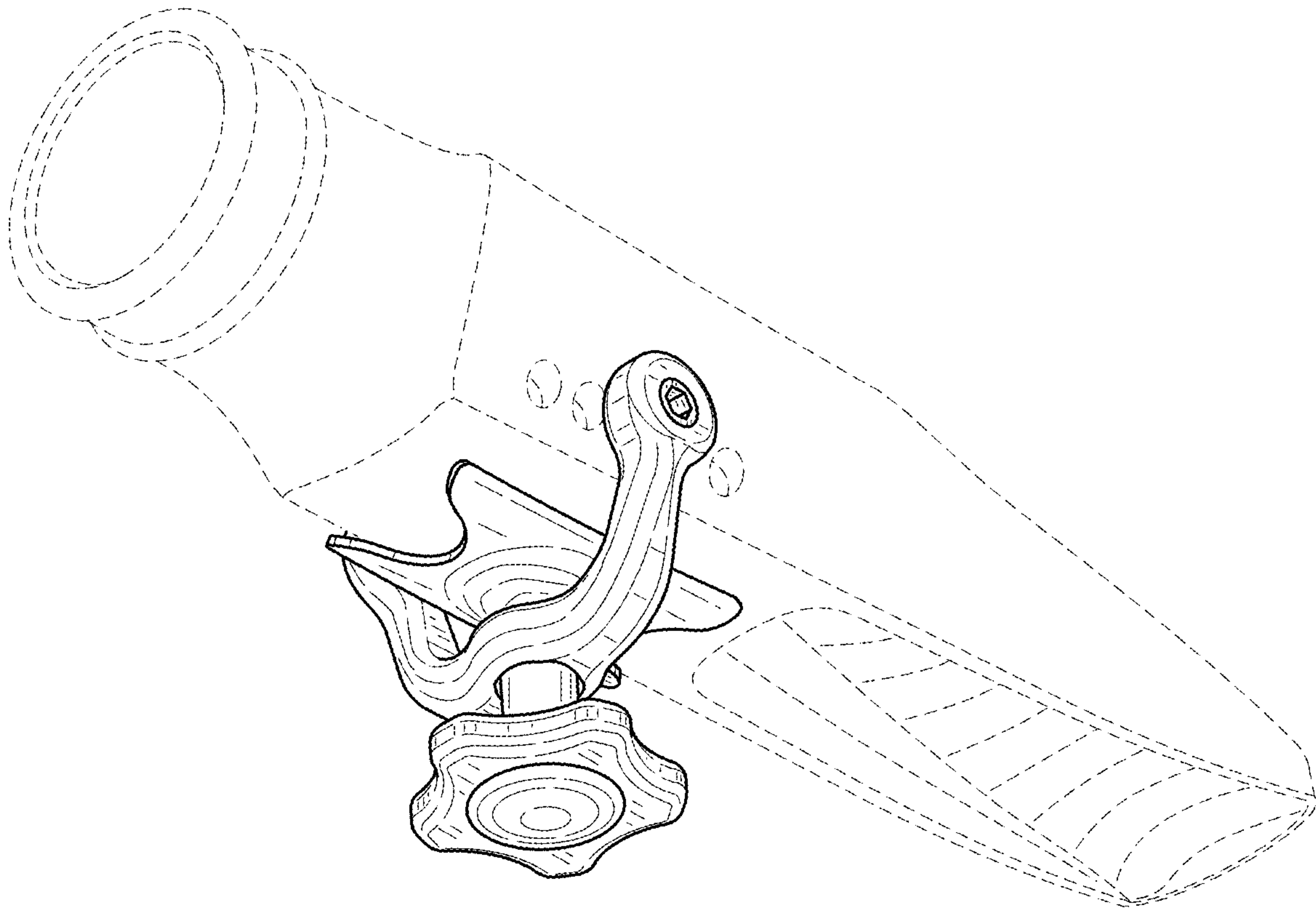


FIG.2

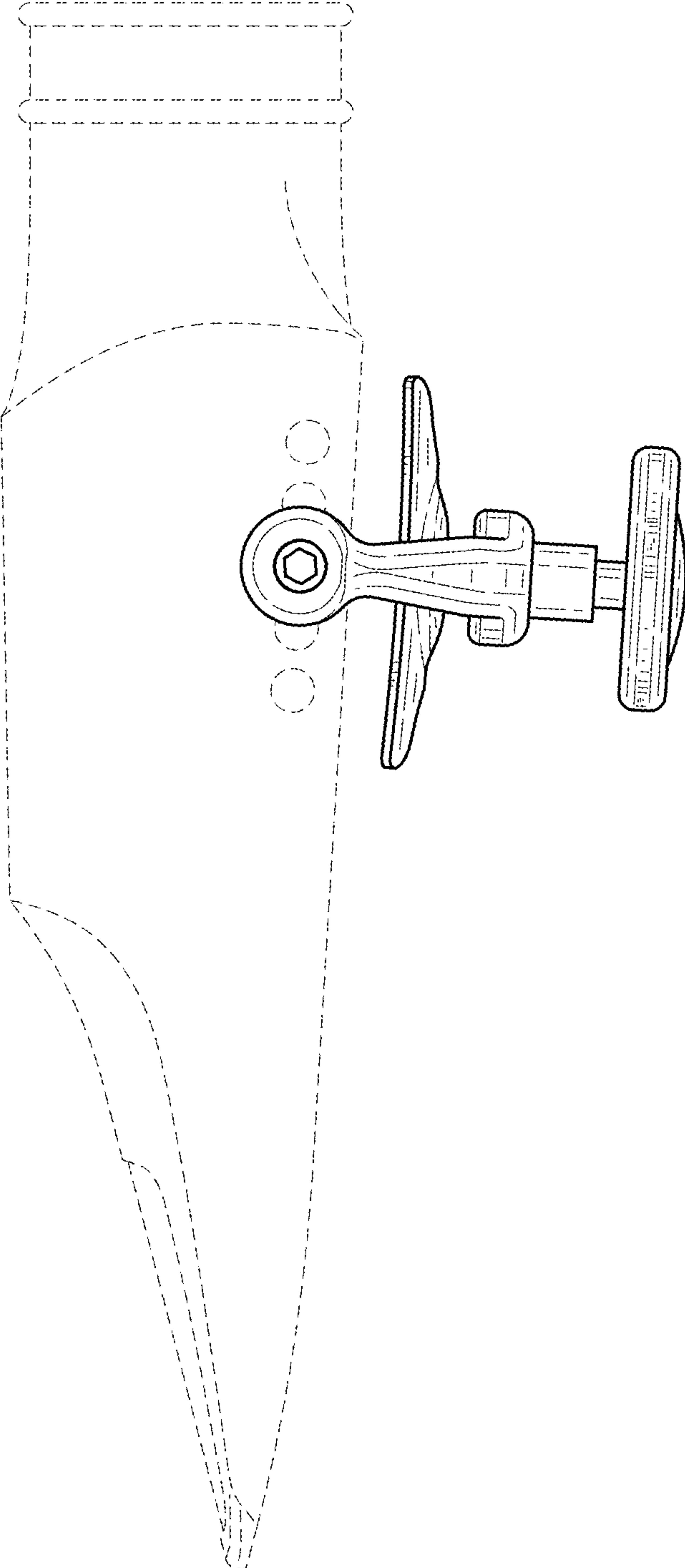


FIG.3

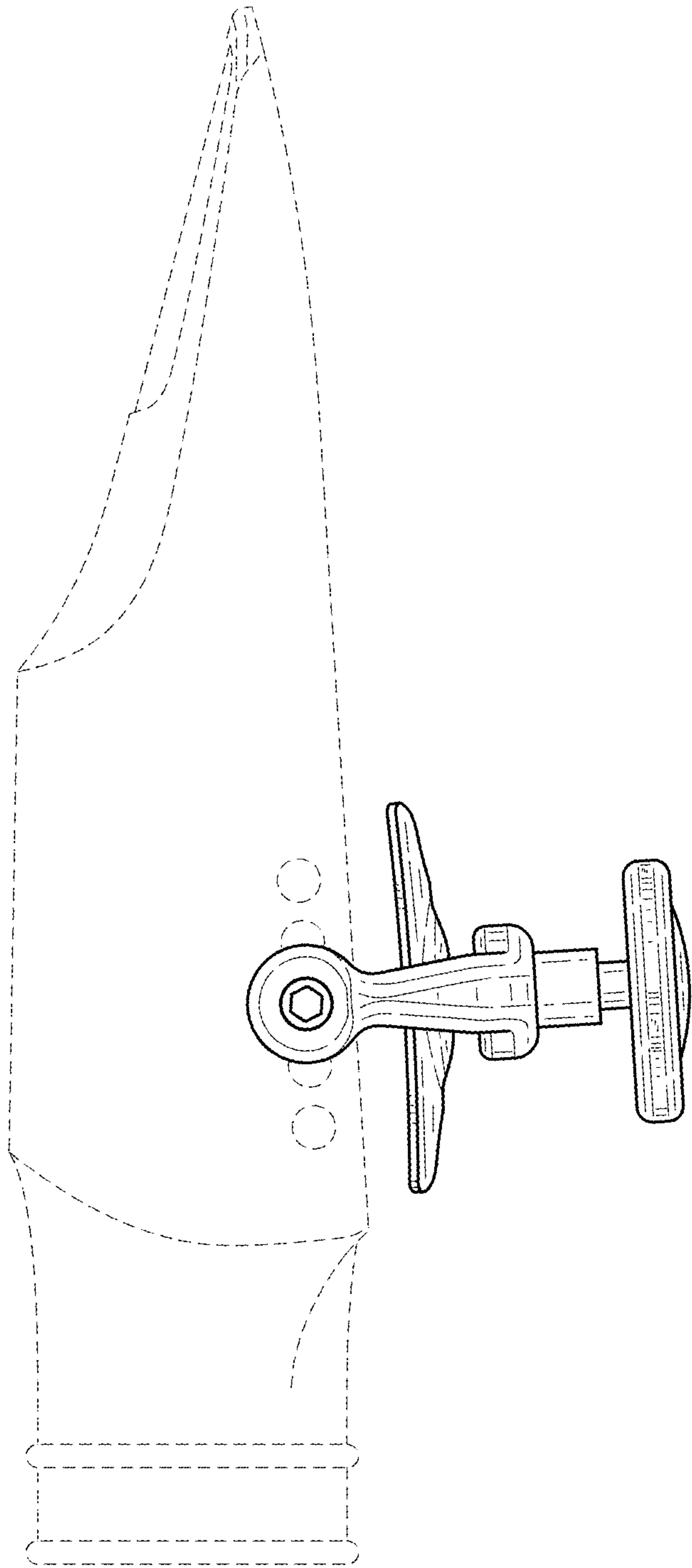


FIG.4

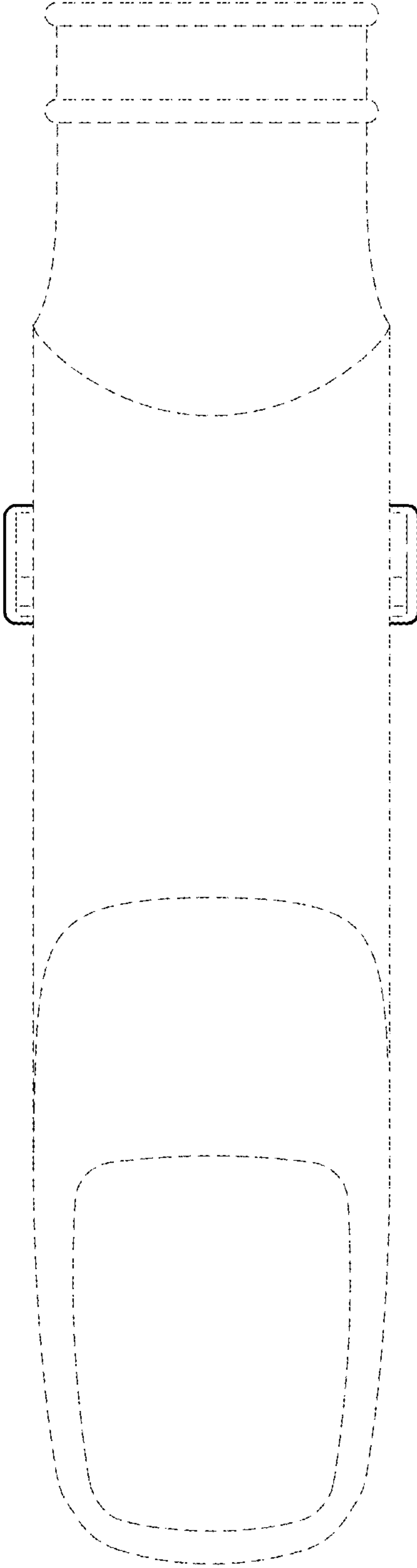


FIG.5

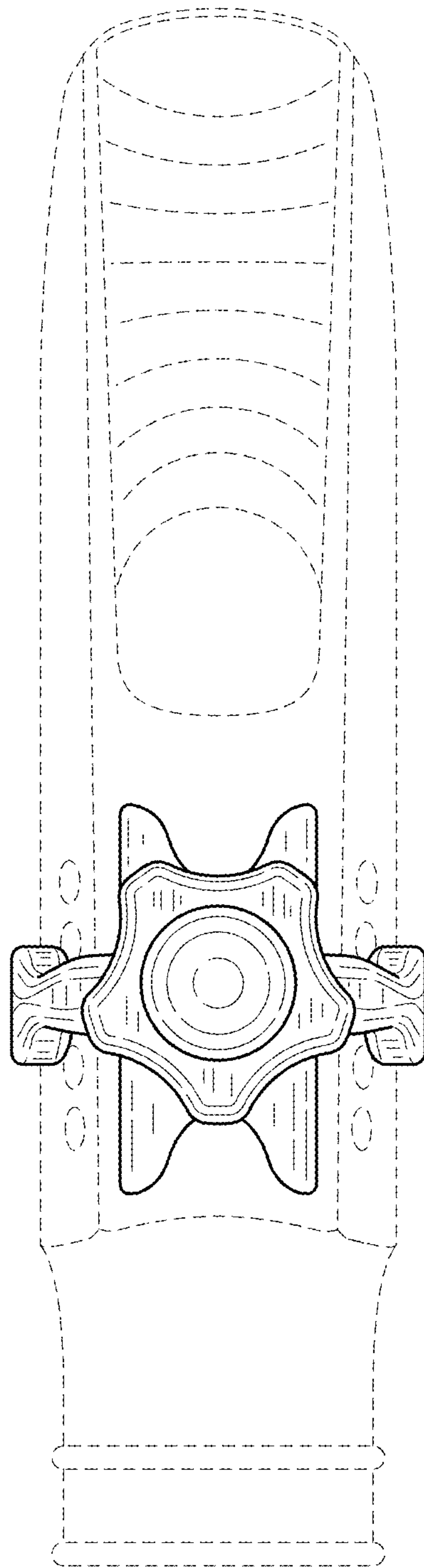


FIG.6

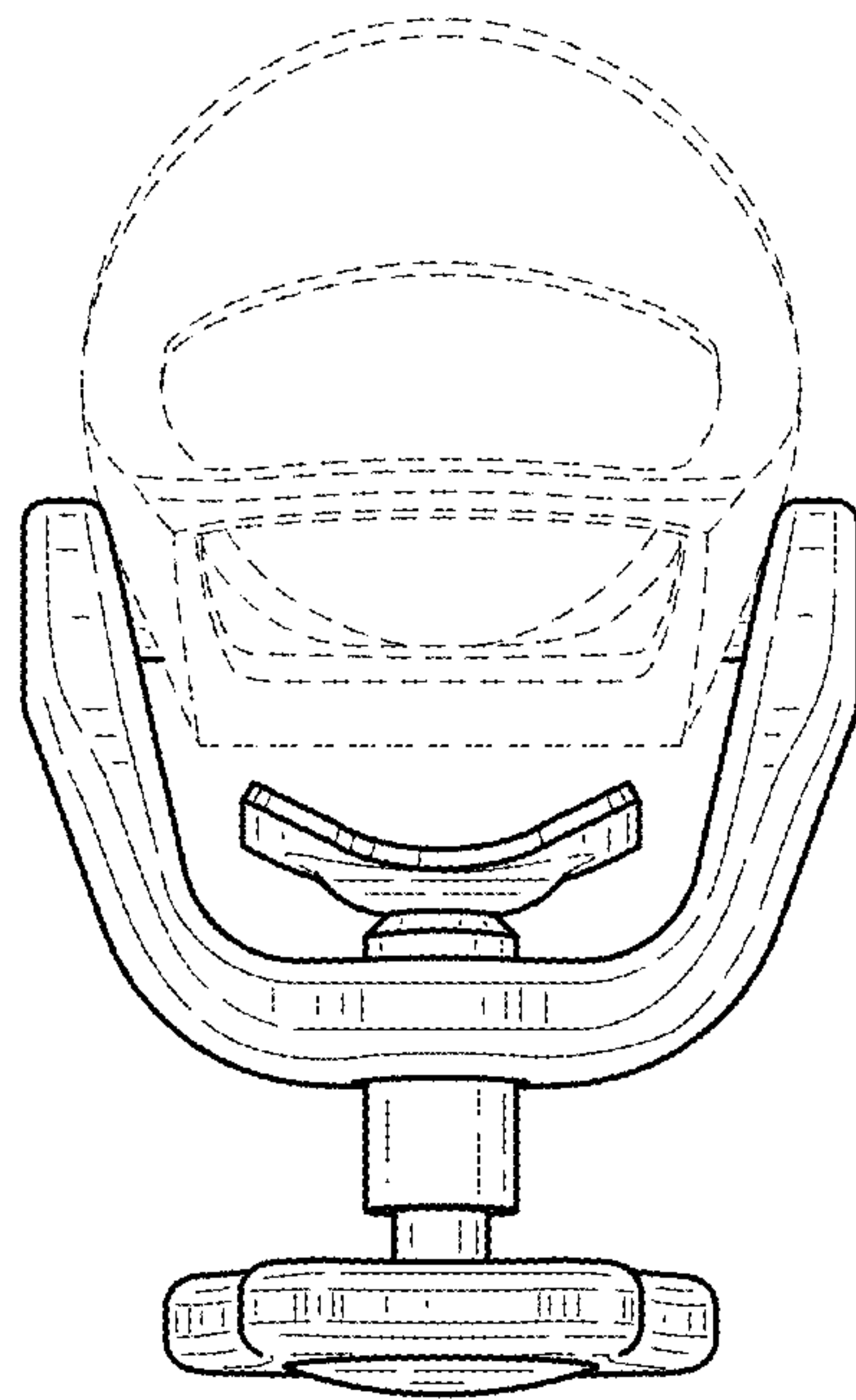


FIG. 7

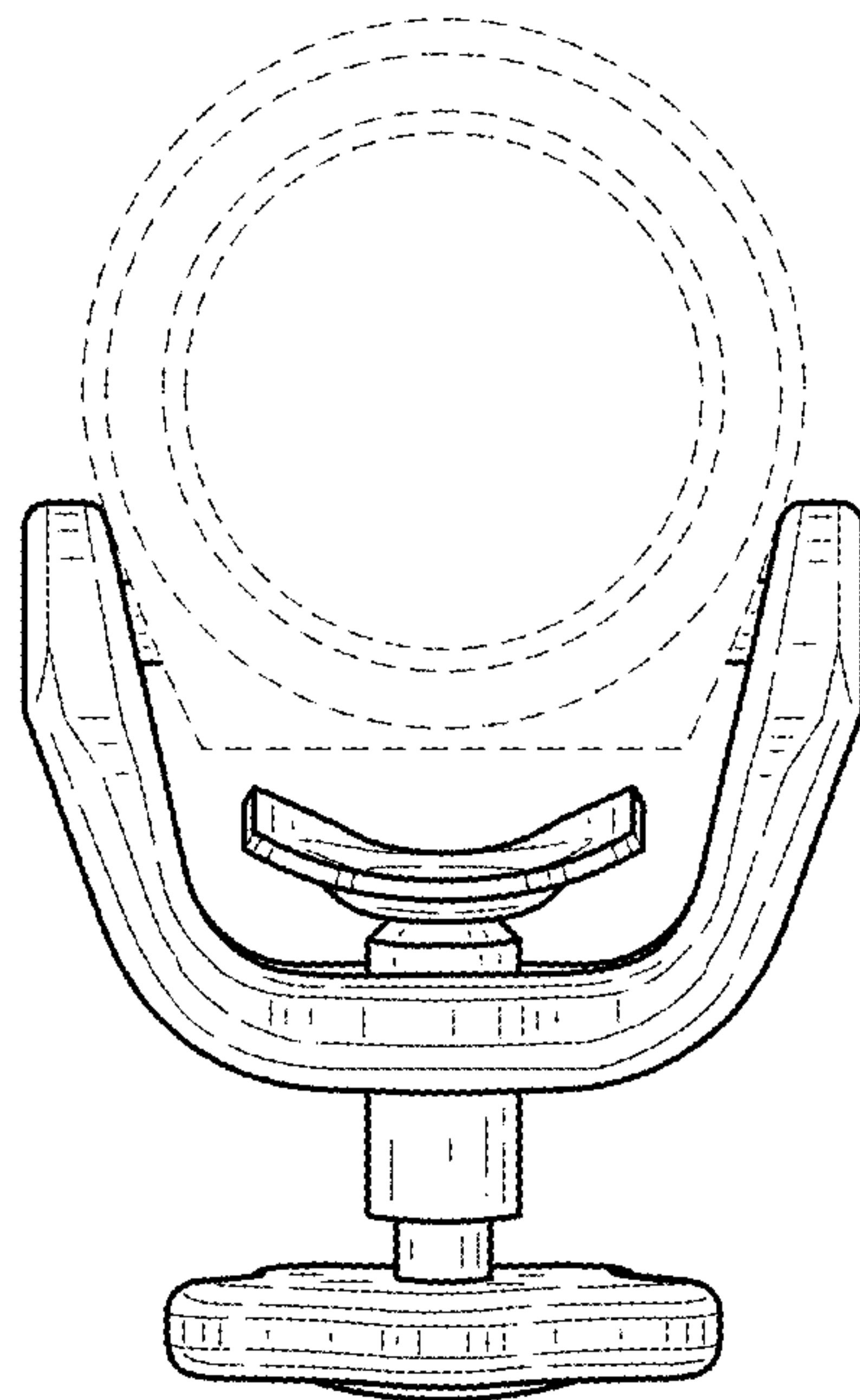


FIG. 8