

US00D506120S

(12) **United States Design Patent** (10) **Patent No.:** **US D506,120 S**
Straka, Jr. et al. (45) **Date of Patent:** **** Jun. 14, 2005**

(54) **MULTI-DIRECTIONAL ROTARY-PAWL LATCH**

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(73) Assignee: **Southco, Inc.**, Concordville, PA (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/200,725**

(22) Filed: **Mar. 3, 2004**

Related U.S. Application Data

(63) Continuation of application No. 10/784,706, filed on Feb. 22, 2004.

(51) **LOC (8) Cl.** **08-07**

(52) **U.S. Cl.** **D8/331**

(58) **Field of Search** D8/330, 331, 336, D8/343, 302, 339; 292/237, 96, DIG. 30, DIG. 31, 137, 336.5, 63-67; 70/91, 97, 94, 77-79, 206, 102, 210

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Primary Examiner—Prabhakar Deshmukh
(74) *Attorney, Agent, or Firm*—Paul & Paul

(57) **CLAIM**

The ornamental design for a multi-directional rotary-pawl latch, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a multi-directional rotary-pawl latch embodying our new design, showing the handle in a folded-down position and the lower housing in a first angular orientation relative to the upper housing;

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;

FIG. 8 is a perspective view of the multi-directional rotary-pawl latch of FIG. 1 showing the handle in the raised position;

FIG. 9 is a front view of the multi-directional rotary-pawl latch of FIG. 8;

FIG. 10 is a rear view of the multi-directional rotary-pawl latch of FIG. 8;

FIG. 11 is a right side view of the multi-directional rotary-pawl latch of FIG. 8;

FIG. 12 is a left side view of the multi-directional rotary-pawl latch of FIG. 8;

FIG. 13 is a top view of the multi-directional rotary-pawl latch of FIG. 8;

FIG. 14 is a bottom view of the multi-directional rotary-pawl latch of FIG. 8;

FIG. 15 is a perspective view of the multi-directional rotary-pawl latch of FIG. 1, showing the handle in a folded-down position and the lower housing in a second angular orientation relative to the upper housing;

FIG. 16 is a front view thereof;

FIG. 17 is a rear view thereof;

FIG. 18 is a right side view thereof;

FIG. 19 is a left side view thereof;

FIG. 20 is a top view thereof;

FIG. 21 is a bottom view thereof;

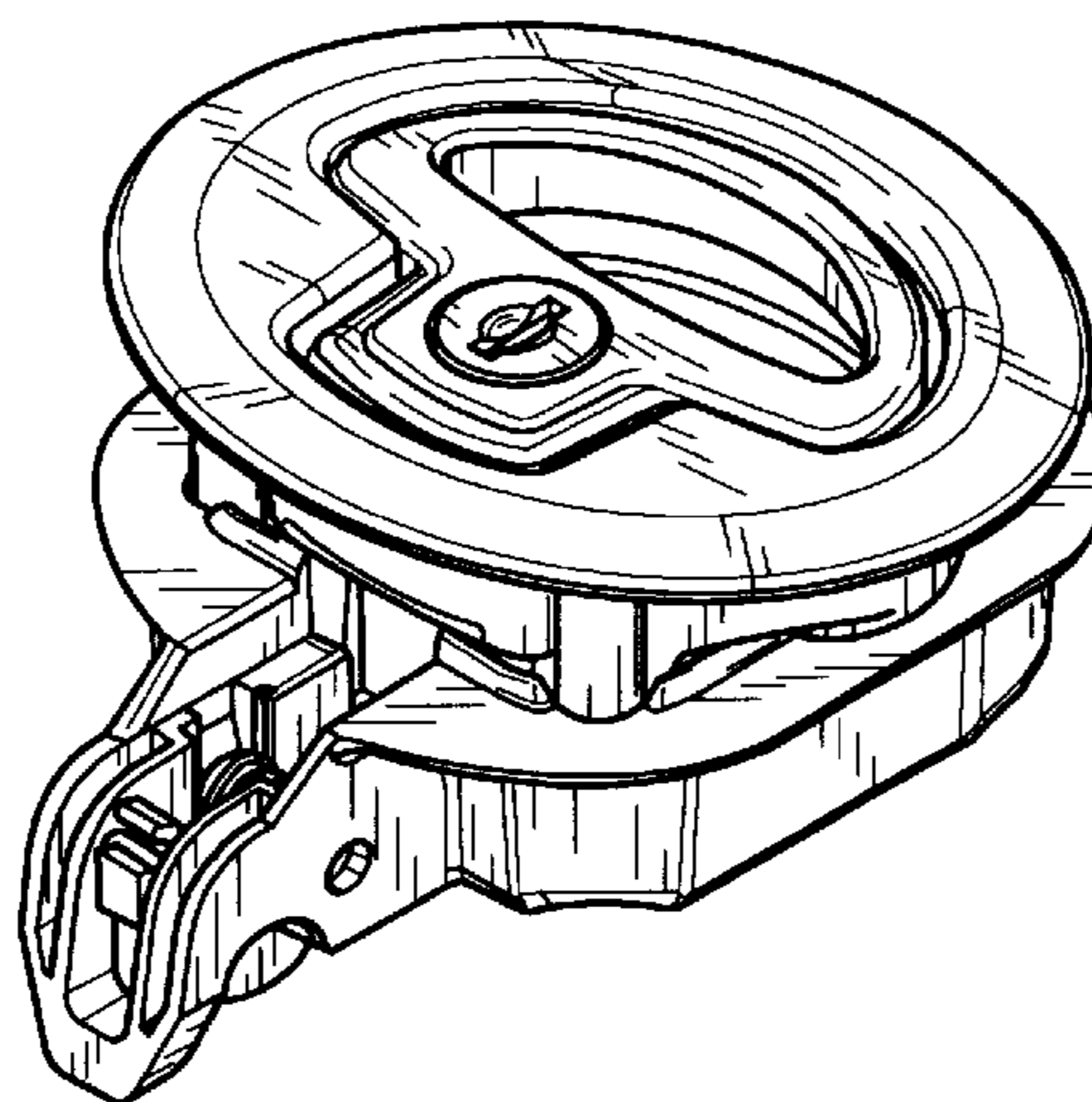


FIG. 22 is a perspective view of the multi-directional rotary-pawl latch of FIG. 15 showing the handle in the raised position;

FIG. 23 is a front view of the multi-directional rotary-pawl latch of FIG. 22;

FIG. 24 is a rear view of the multi-directional rotary-pawl latch of FIG. 22;

FIG. 25 is a right side view of the multi-directional rotary-pawl latch of FIG. 22;

FIG. 26 is a left side view of the multi-directional rotary-pawl latch of FIG. 22;

FIG. 27 is a top view of the multi-directional rotary-pawl latch of FIG. 22;

FIG. 28 is a bottom view of the multi-directional rotary-pawl latch of FIG. 22;

FIG. 29 is a perspective view of the multi-directional rotary-pawl latch of FIG. 1, showing the handle in a folded-down position and the lower housing in a third angular orientation relative to the upper housing;

FIG. 30 is a front view thereof;

FIG. 31 is a rear view thereof;

FIG. 32 is a right side view thereof;

FIG. 33 is a left side view thereof;

FIG. 34 is a top view thereof;

FIG. 35 is a bottom view thereof;

FIG. 36 is a perspective view of the multi-directional rotary-pawl latch of FIG. 29 showing the handle in the raised position;

FIG. 37 is a front view of the multi-directional rotary-pawl latch of FIG. 36;

FIG. 38 is a rear view of the multi-directional rotary-pawl latch of FIG. 36;

FIG. 39 is a right side view of the multi-directional rotary-pawl latch of FIG. 36;

FIG. 40 is a left side view of the multi-directional rotary-pawl latch of FIG. 36;

FIG. 41 is a top view of the multi-directional rotary-pawl latch of FIG. 36;

FIG. 42 is a bottom view of the multi-directional rotary-pawl latch of FIG. 36;

FIG. 43 is a perspective view of the multi-directional rotary-pawl latch of FIG. 1, showing the handle in a folded-down position and the lower housing in a fourth angular orientation relative to the upper housing;

FIG. 44 is a front view thereof;

FIG. 45 is a rear view thereof;

FIG. 46 is a right side view thereof;

FIG. 47 is a left side view thereof;

FIG. 48 is a top view thereof;

FIG. 49 is a bottom view thereof;

FIG. 50 is a perspective view of the multi-directional rotary-pawl latch of FIG. 43 showing the handle in the raised position;

FIG. 51 is a front view of the multi-directional rotary-pawl latch of FIG. 50;

FIG. 52 is a rear view of the multi-directional rotary-pawl latch of FIG. 50;

FIG. 53 is a right side view of the multi-directional rotary-pawl latch of FIG. 50;

FIG. 54 is a left side view of the multi-directional rotary-pawl latch of FIG. 50;

FIG. 55 is a top view of the multi-directional rotary-pawl latch of FIG. 50; and,

FIG. 56 is a bottom view of the multi-directional rotary-pawl latch of FIG. 50.

1 Claim, 16 Drawing Sheets

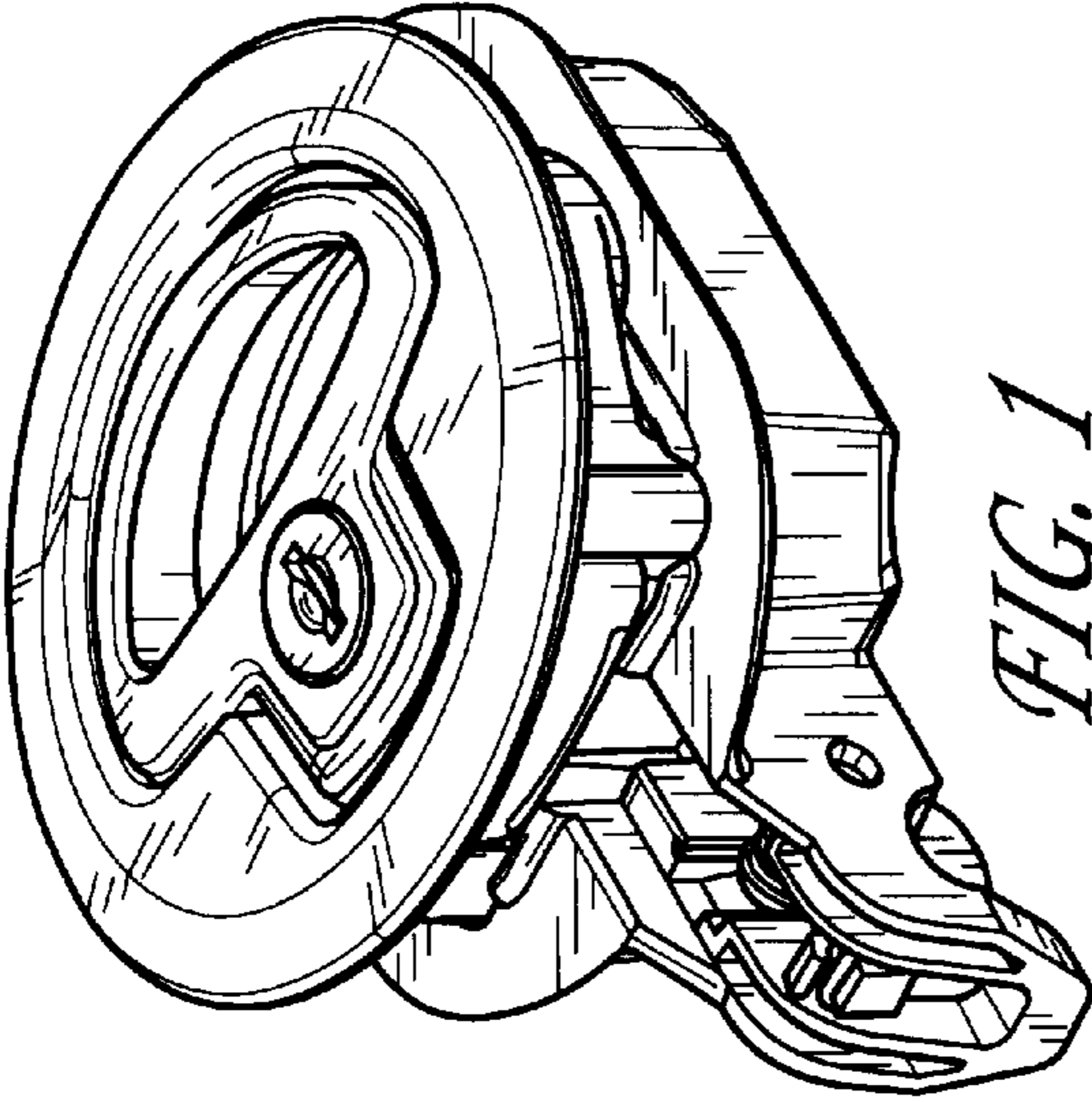


FIG. 1

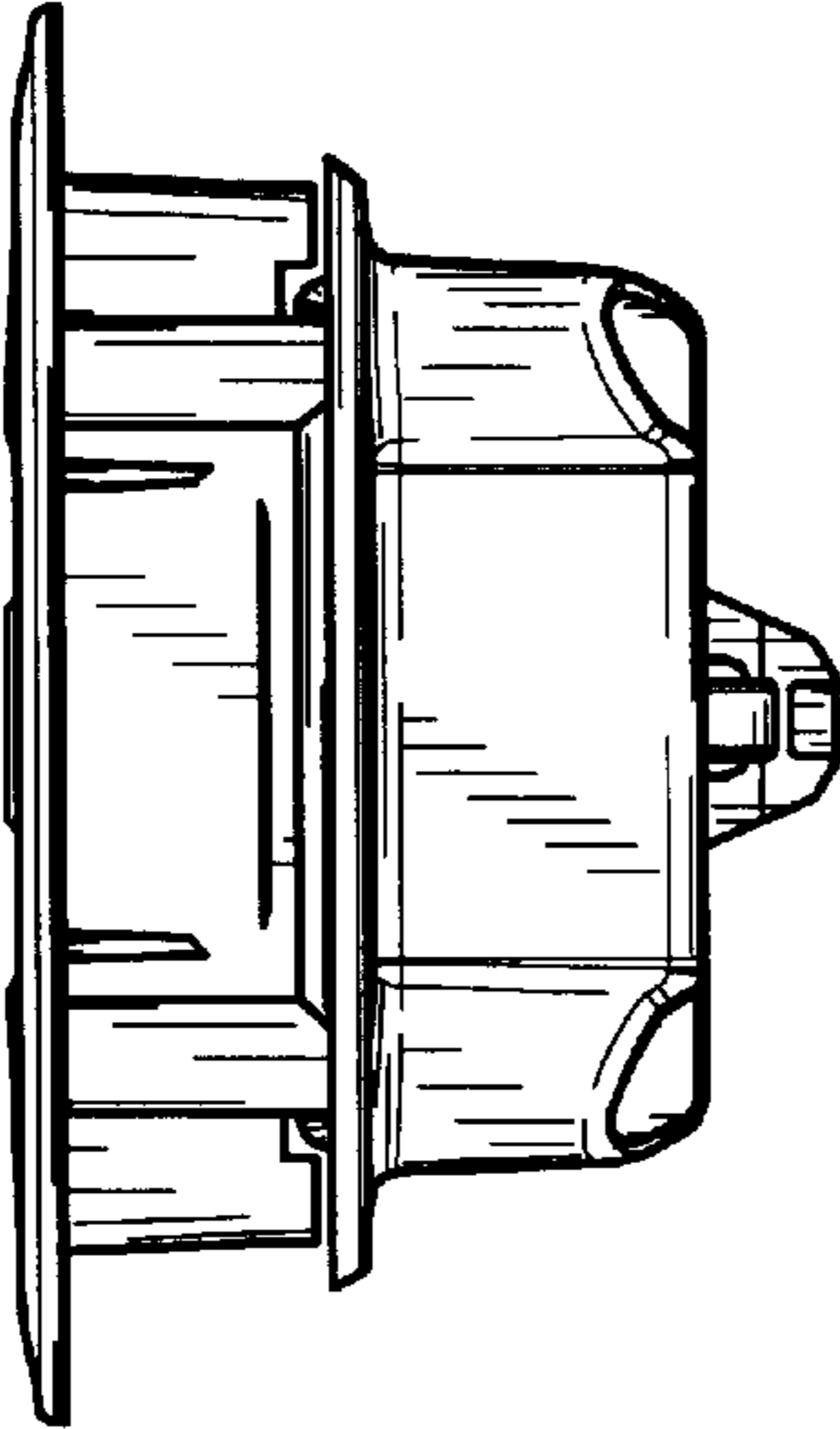


FIG. 2

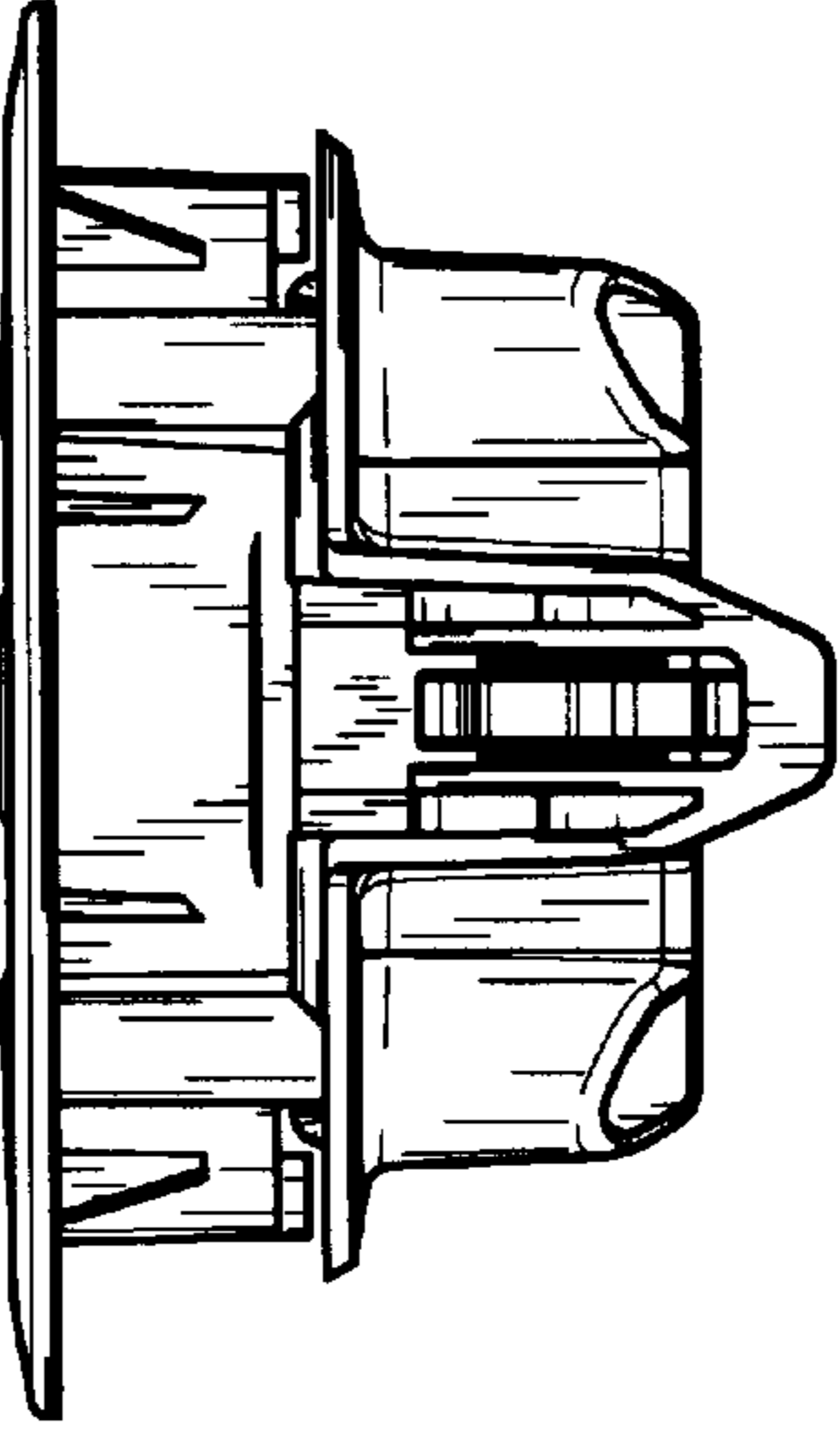


FIG. 3



FIG. 4



FIG. 5

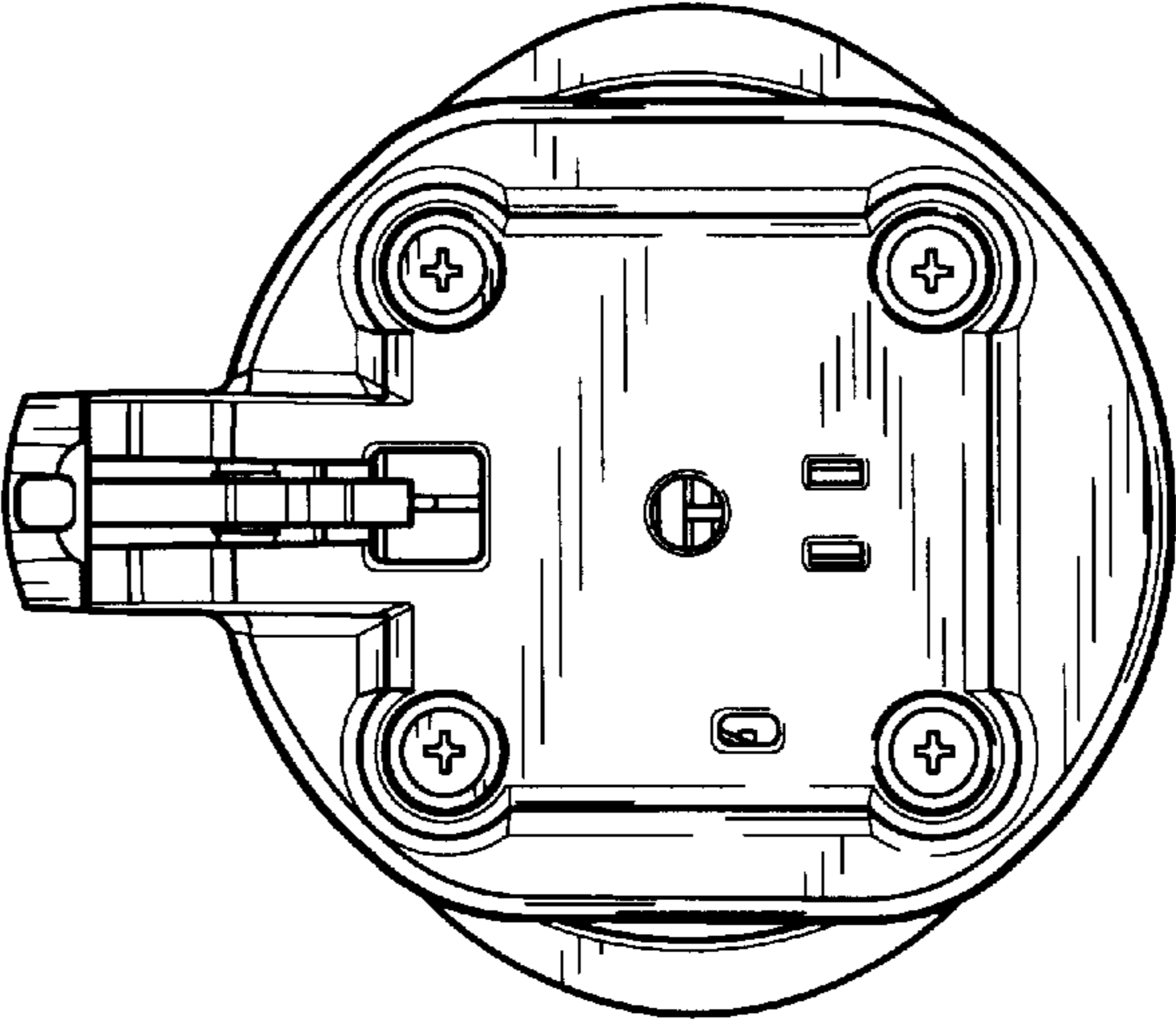


FIG. 7

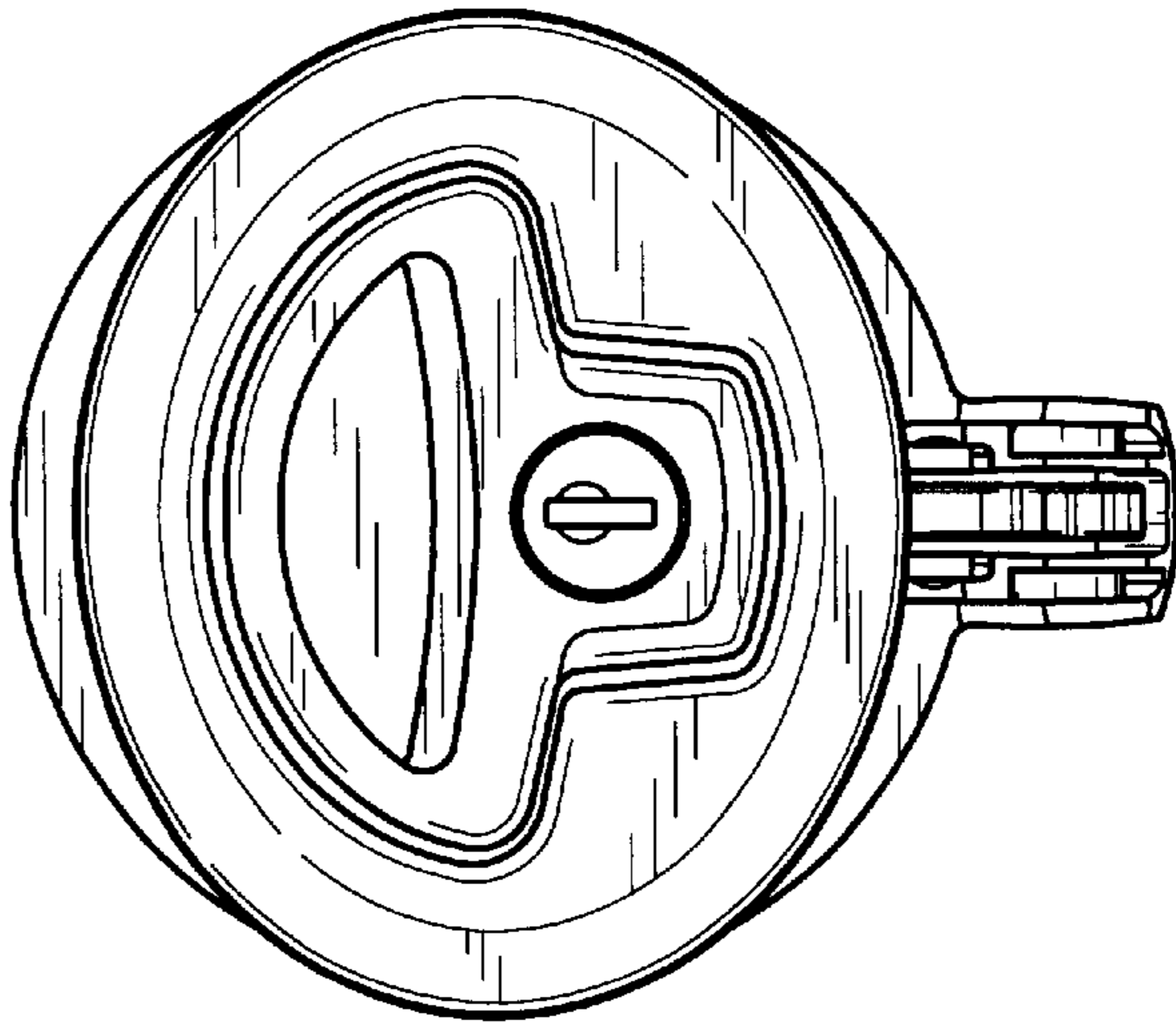


FIG. 6

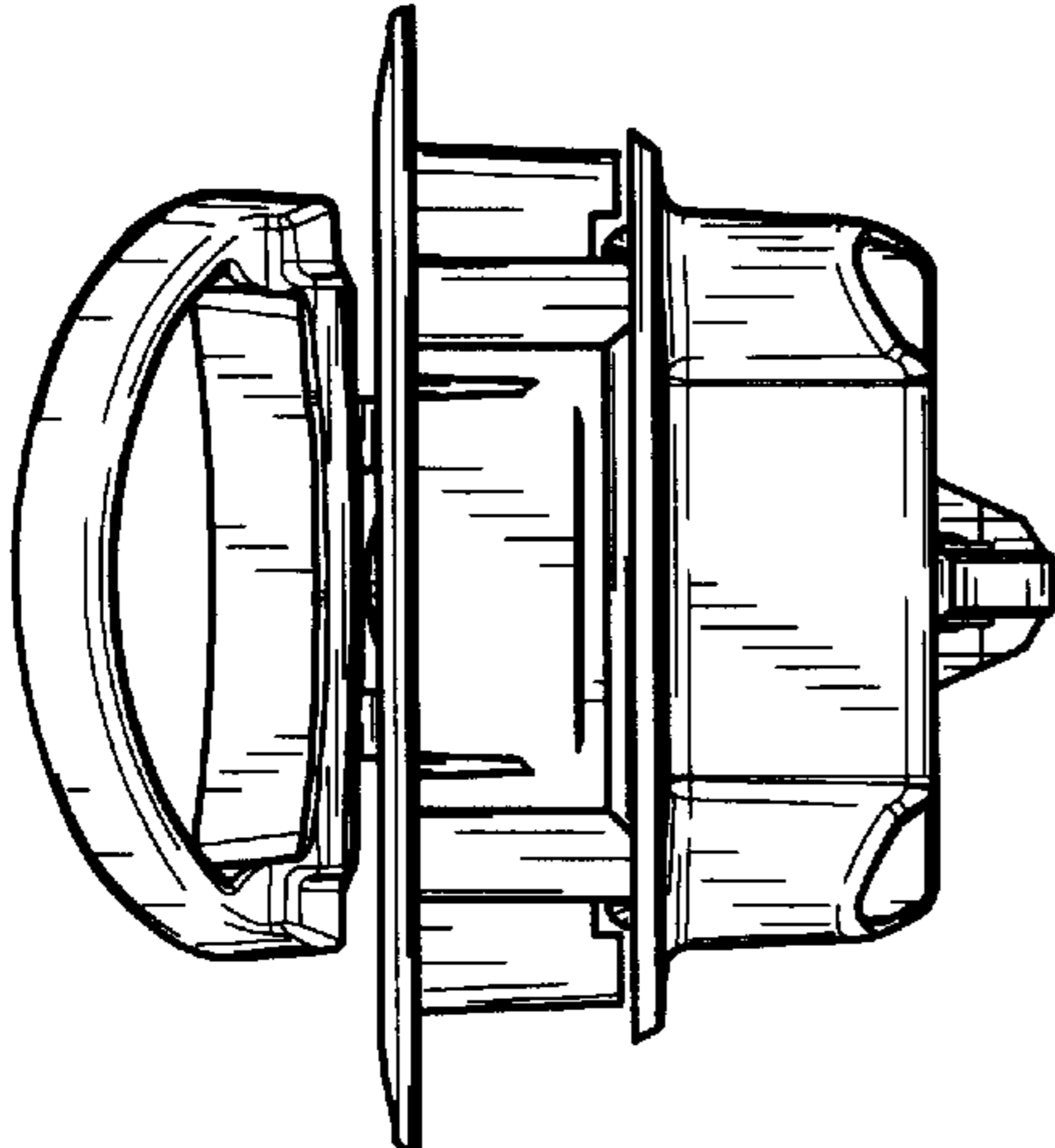


FIG. 9

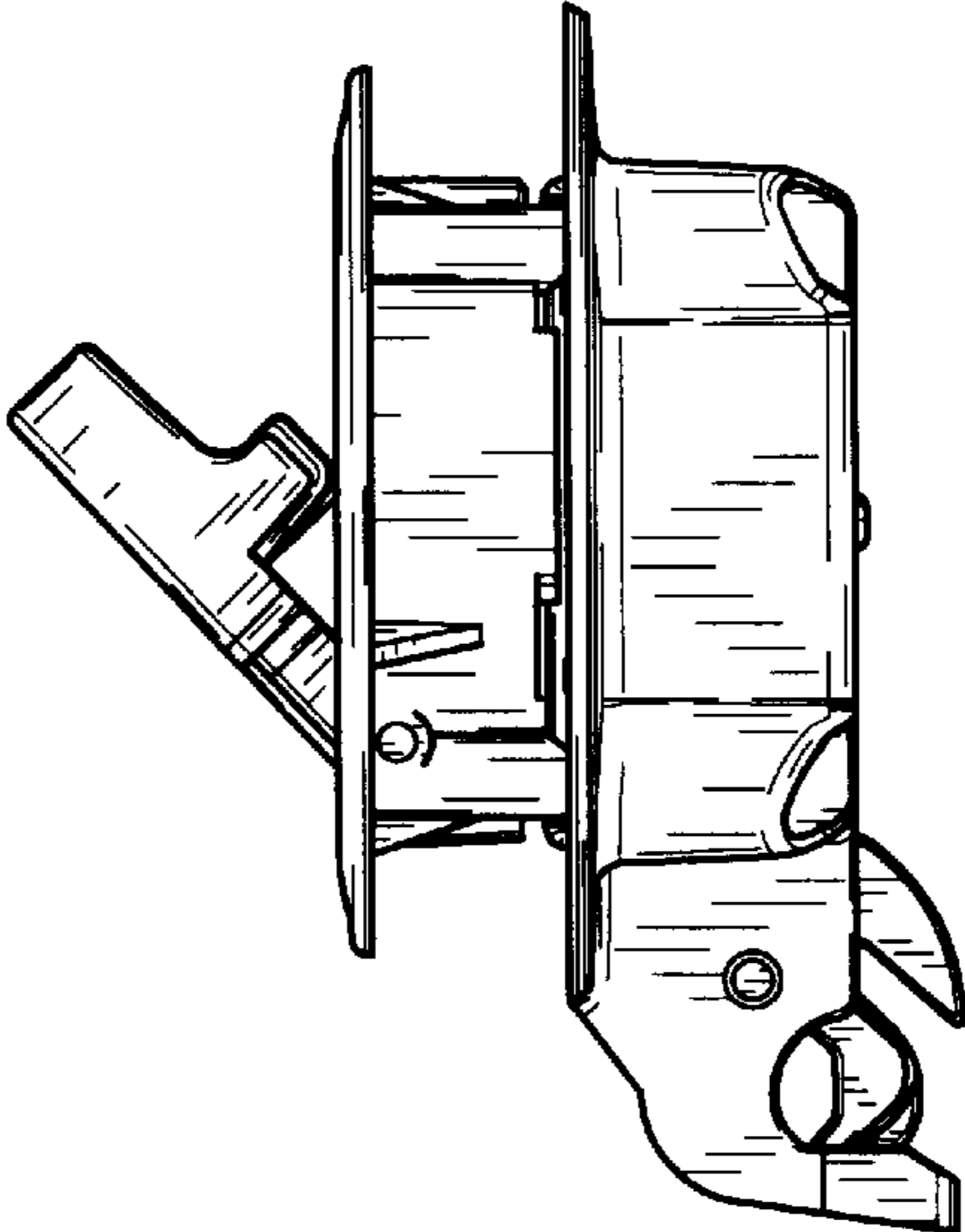


FIG. 11

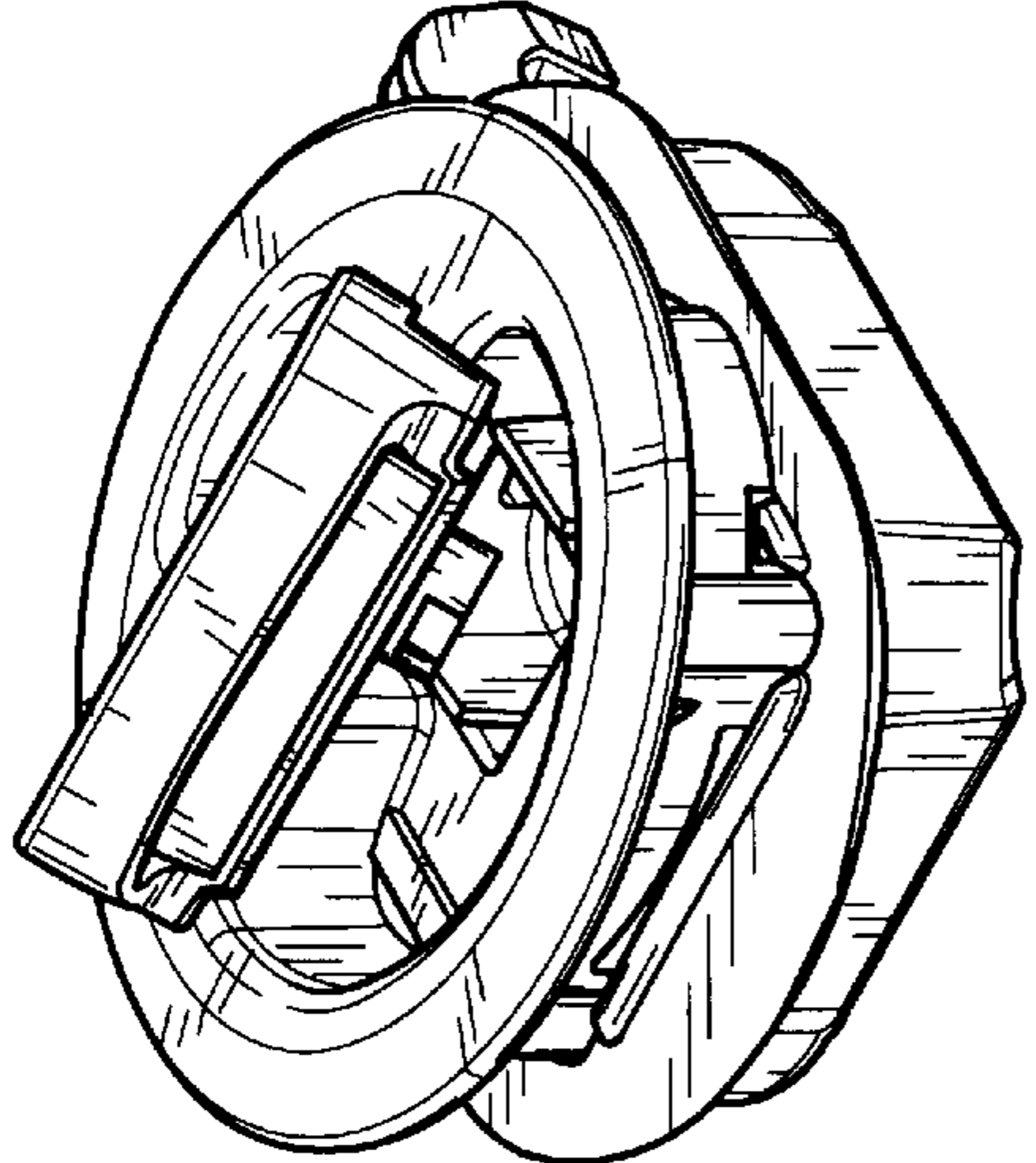


FIG. 8

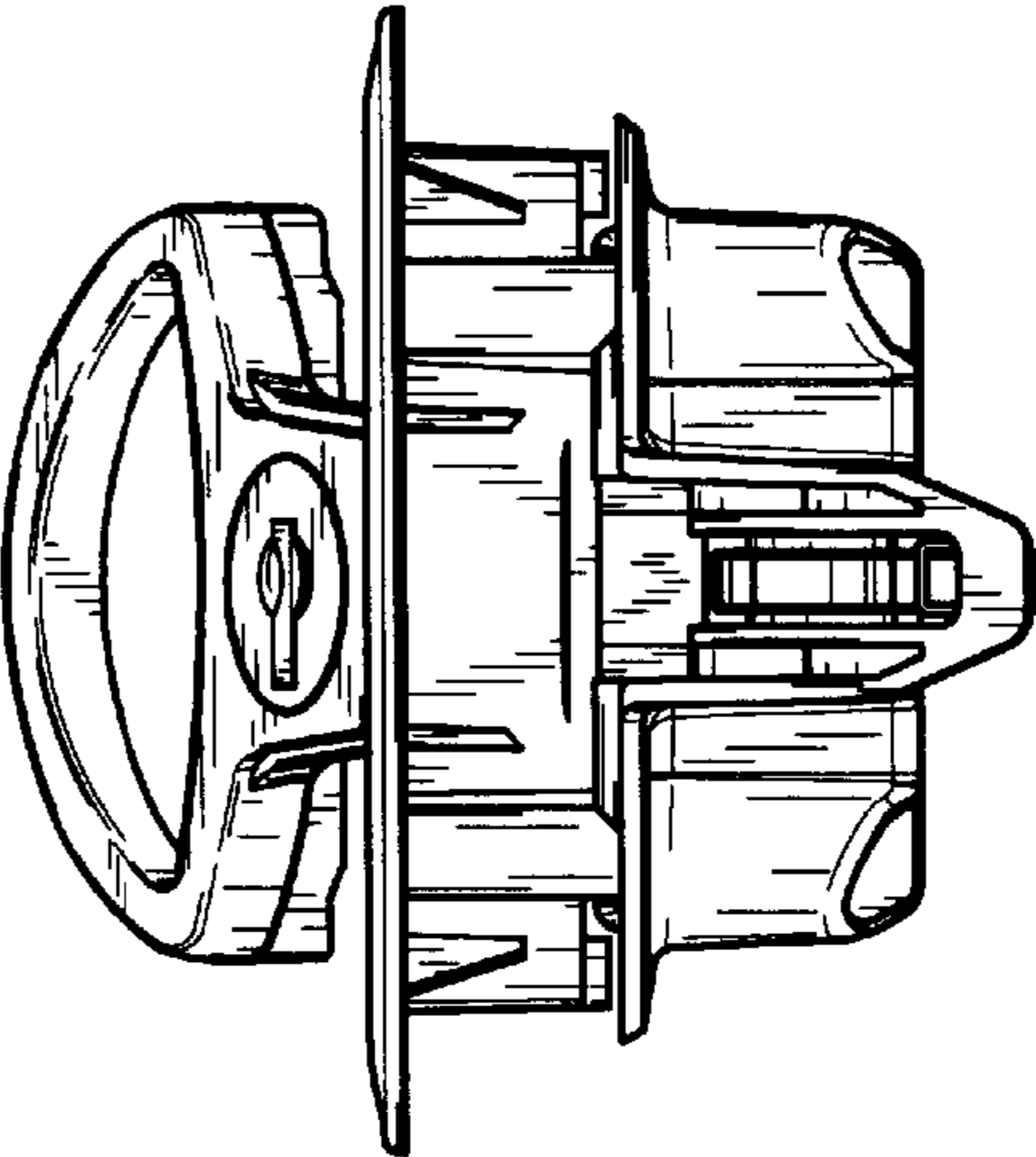


FIG. 10

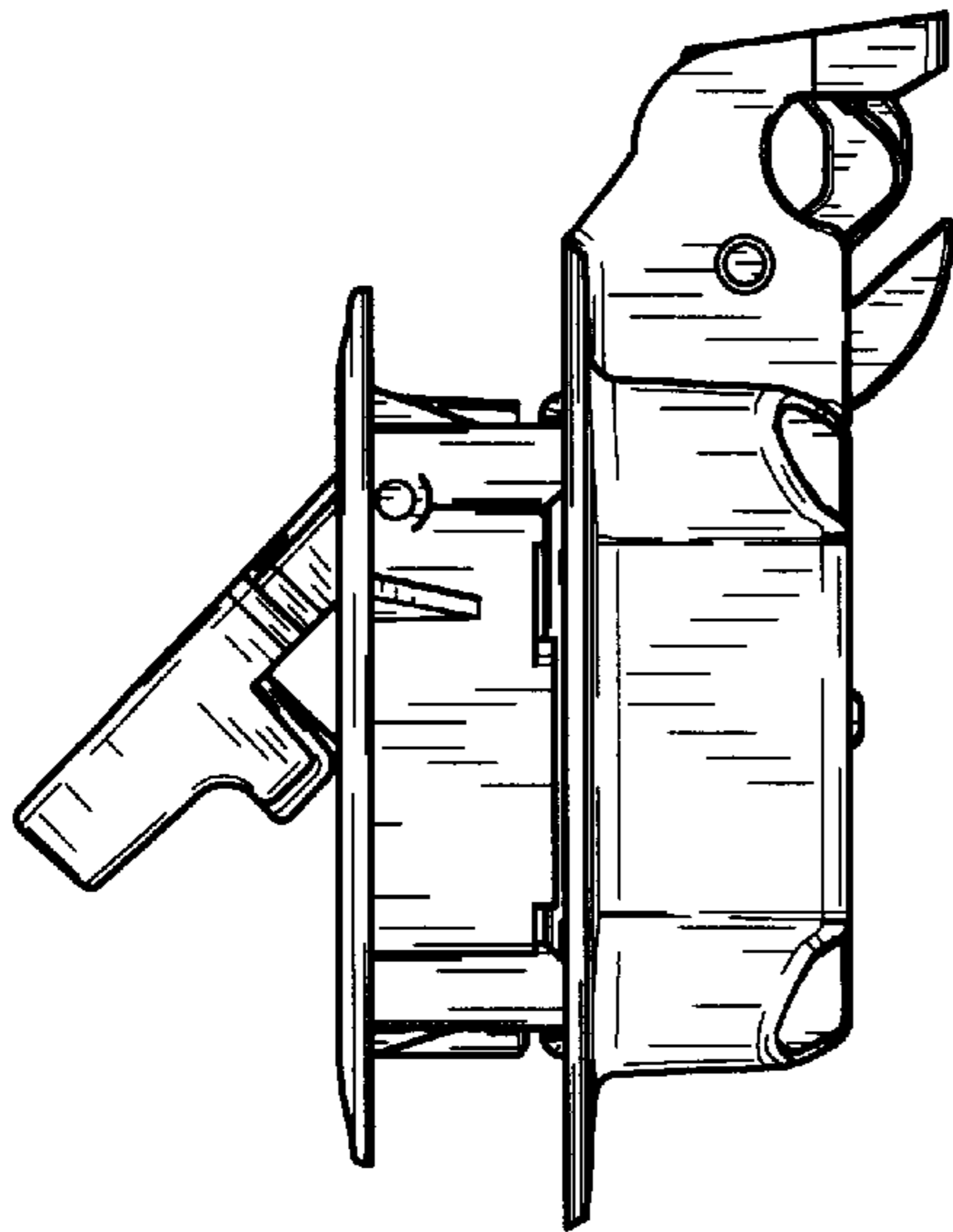


FIG. 12

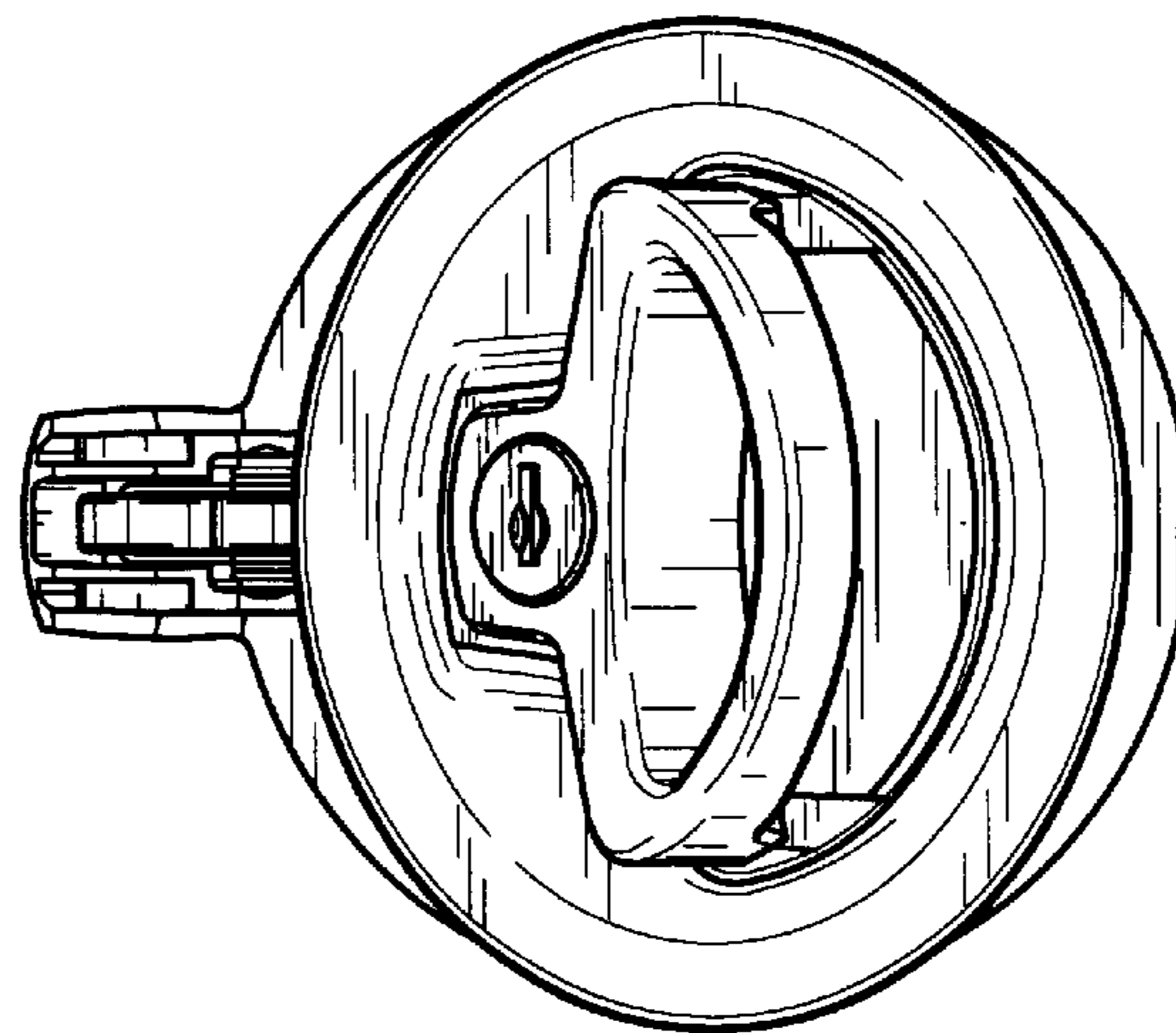


FIG. 13

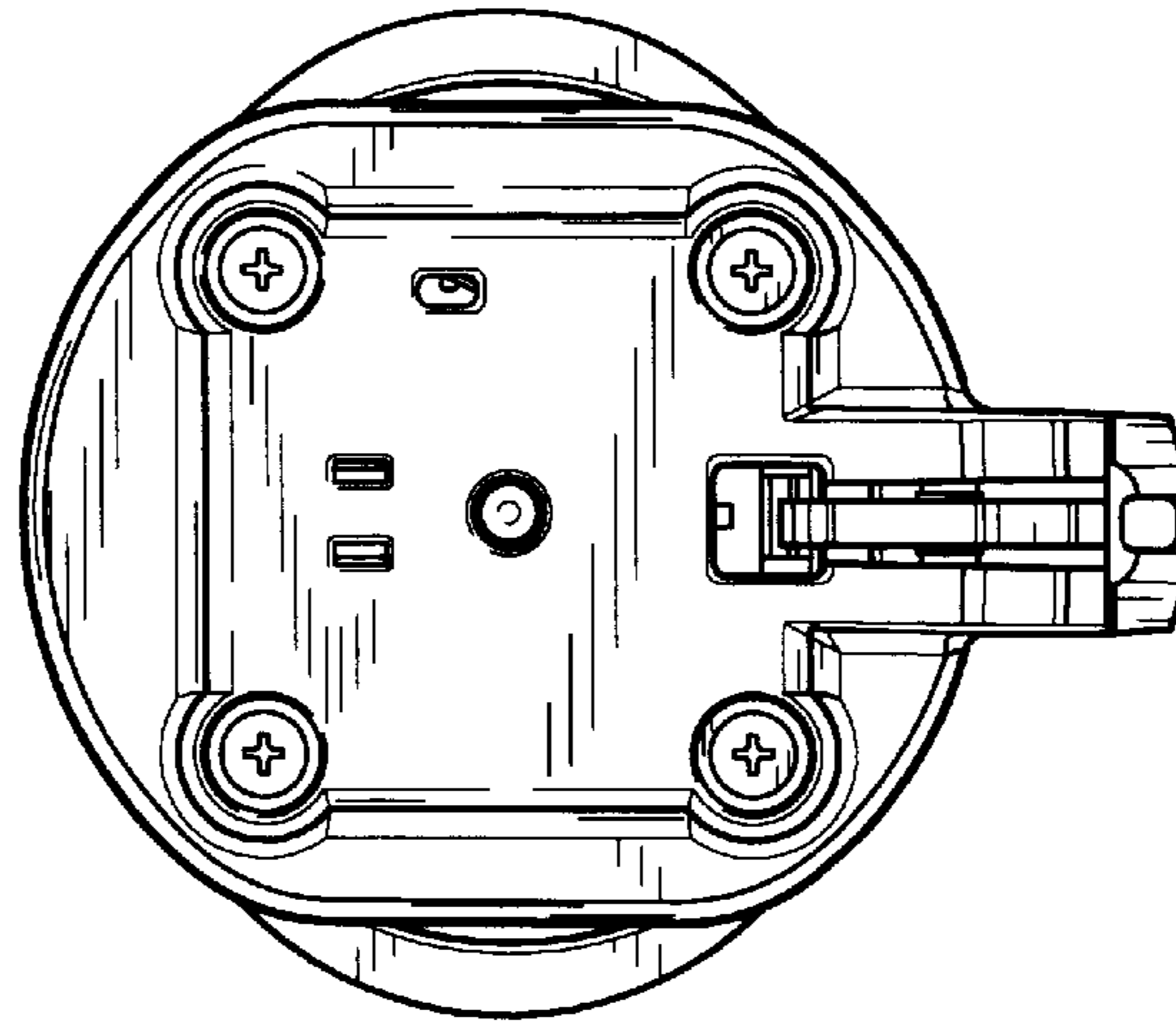


FIG. 14

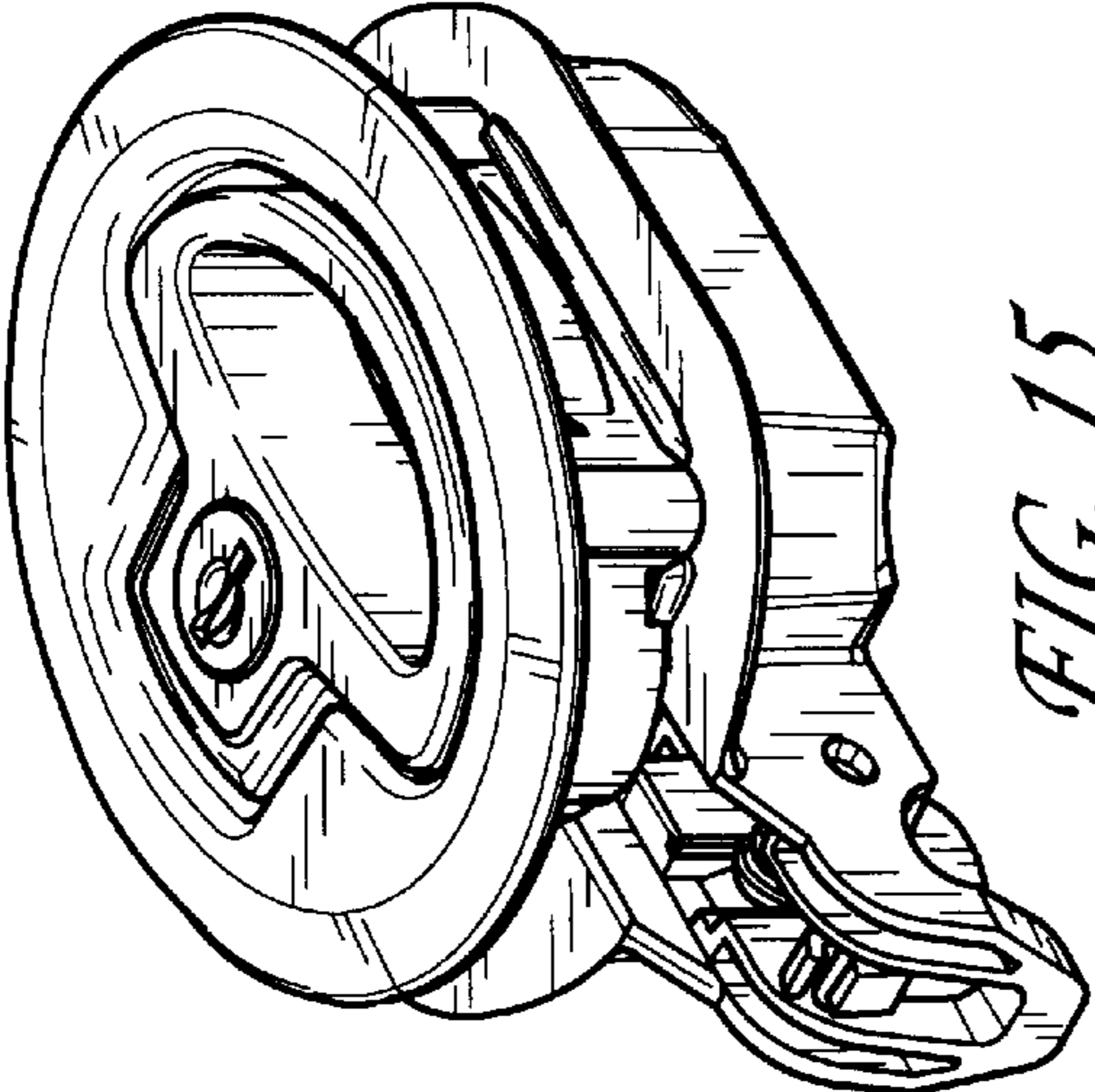


FIG. 15



FIG. 16



FIG. 17

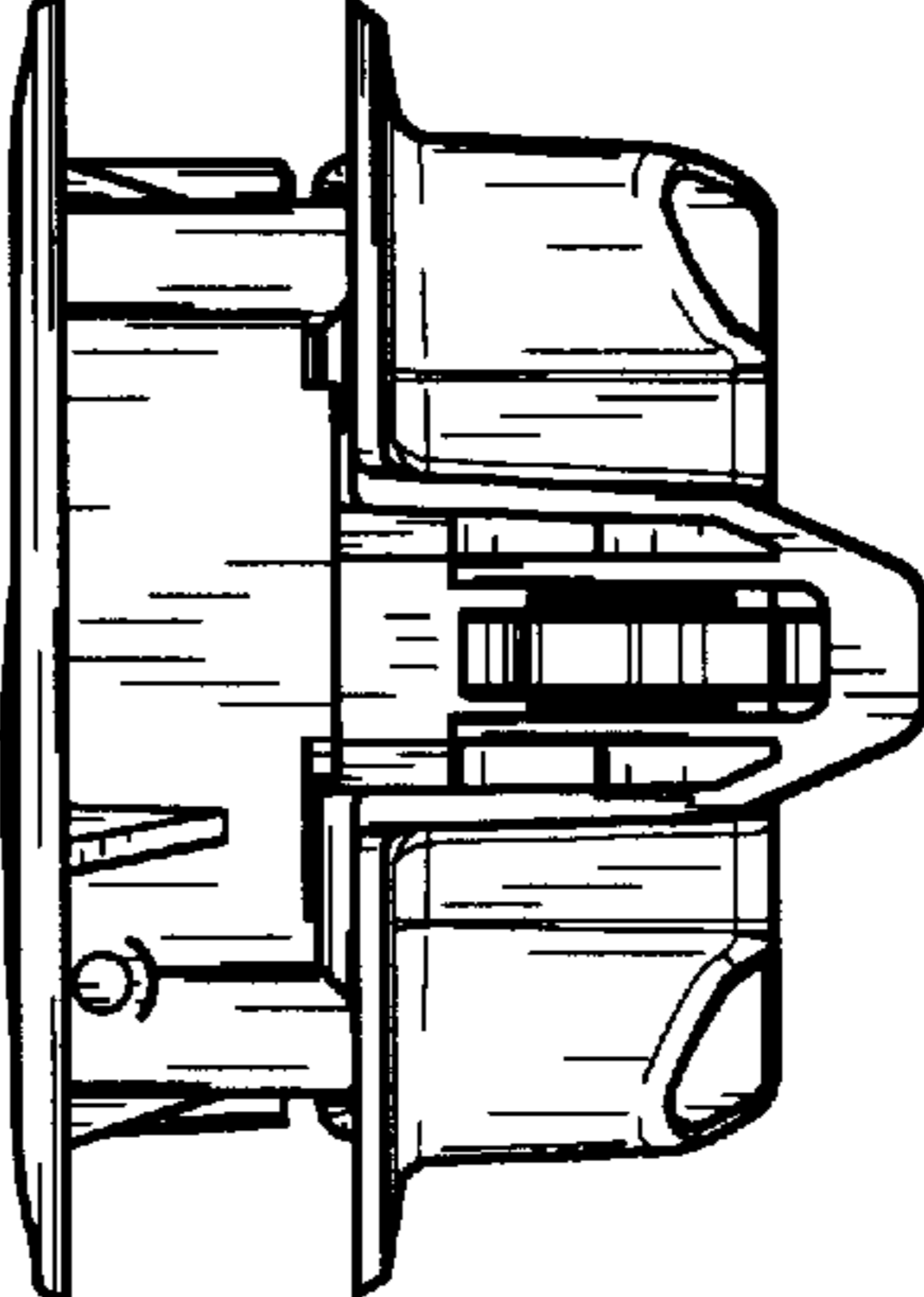


FIG. 18

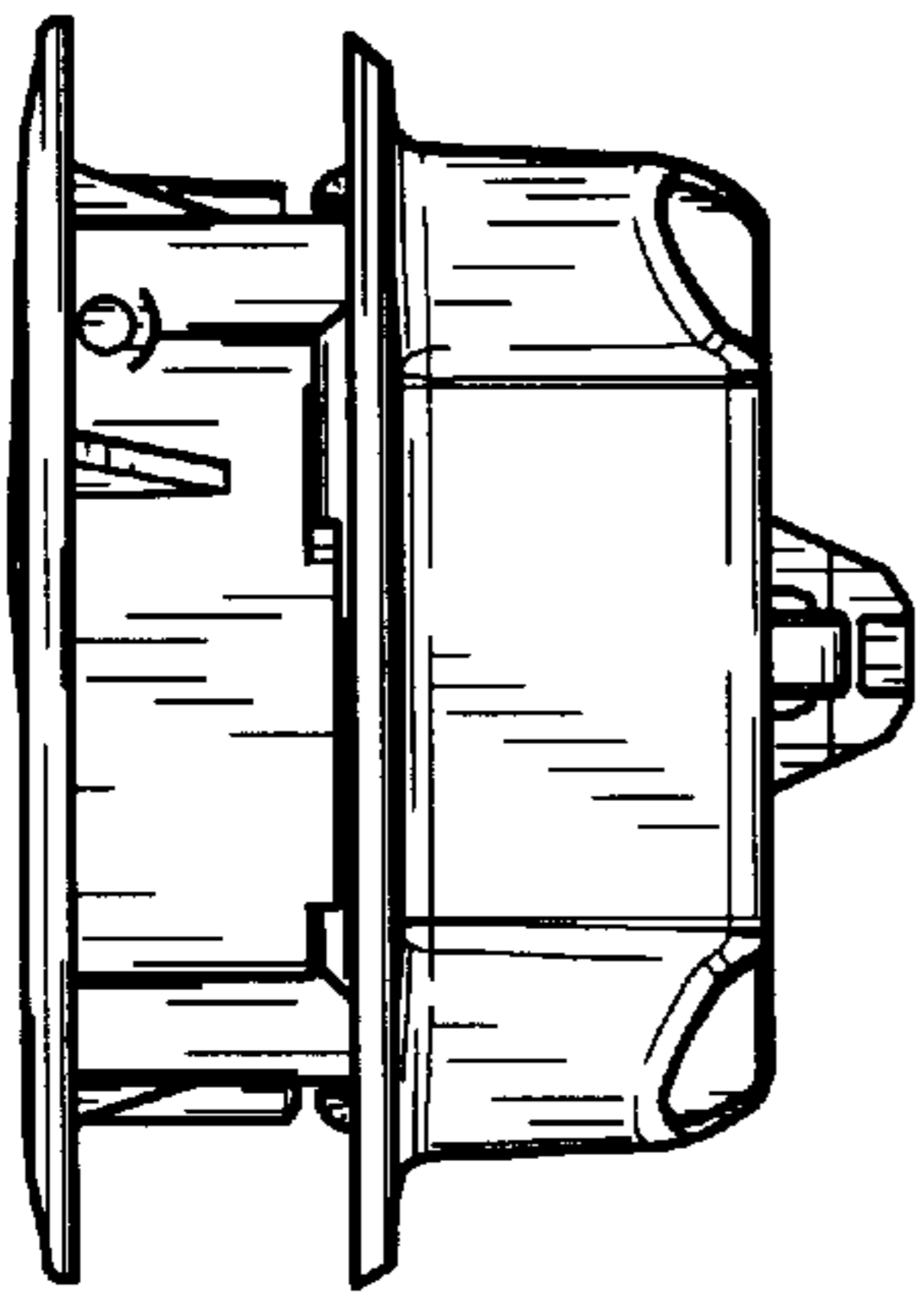


FIG. 19

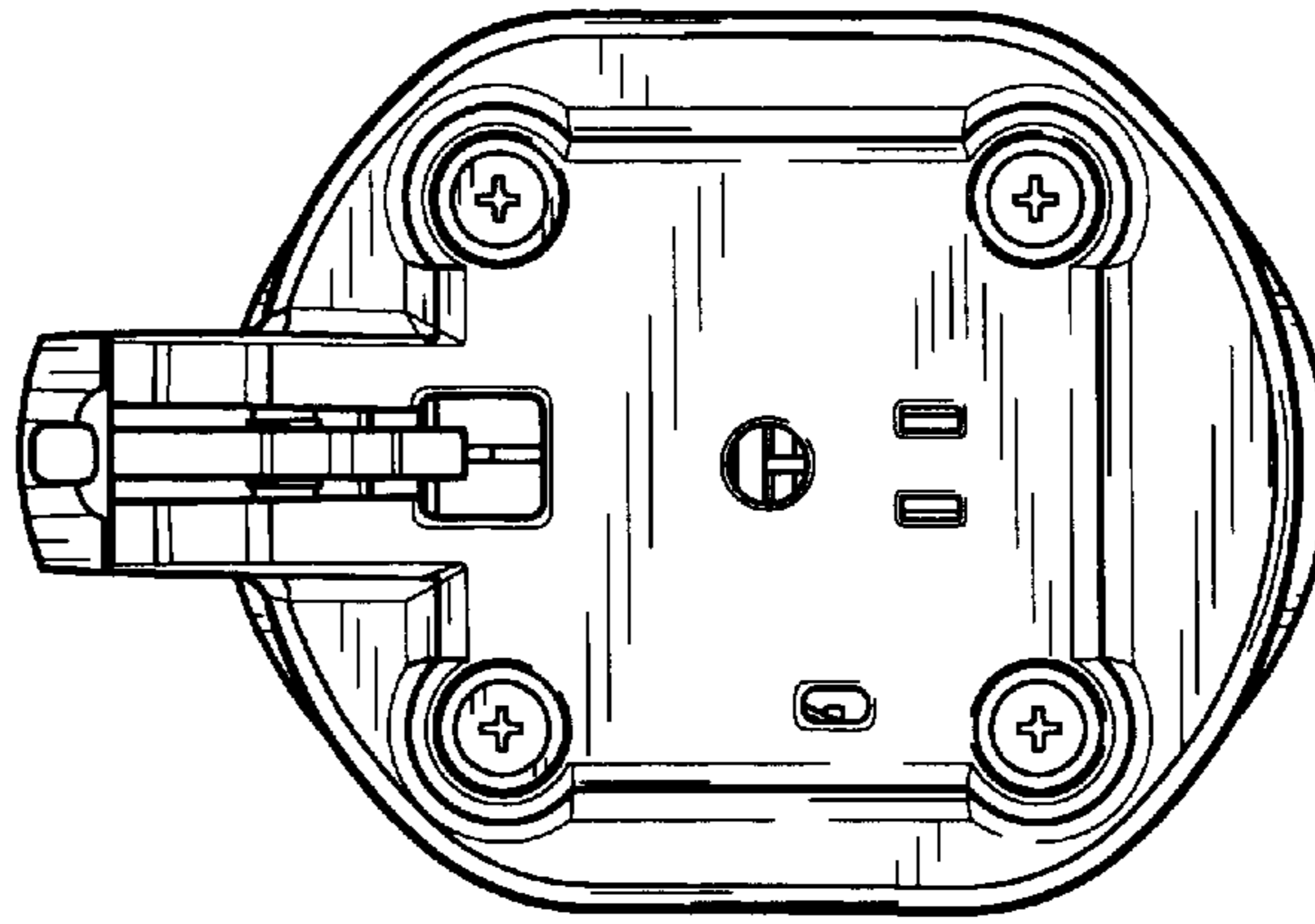


FIG. 21

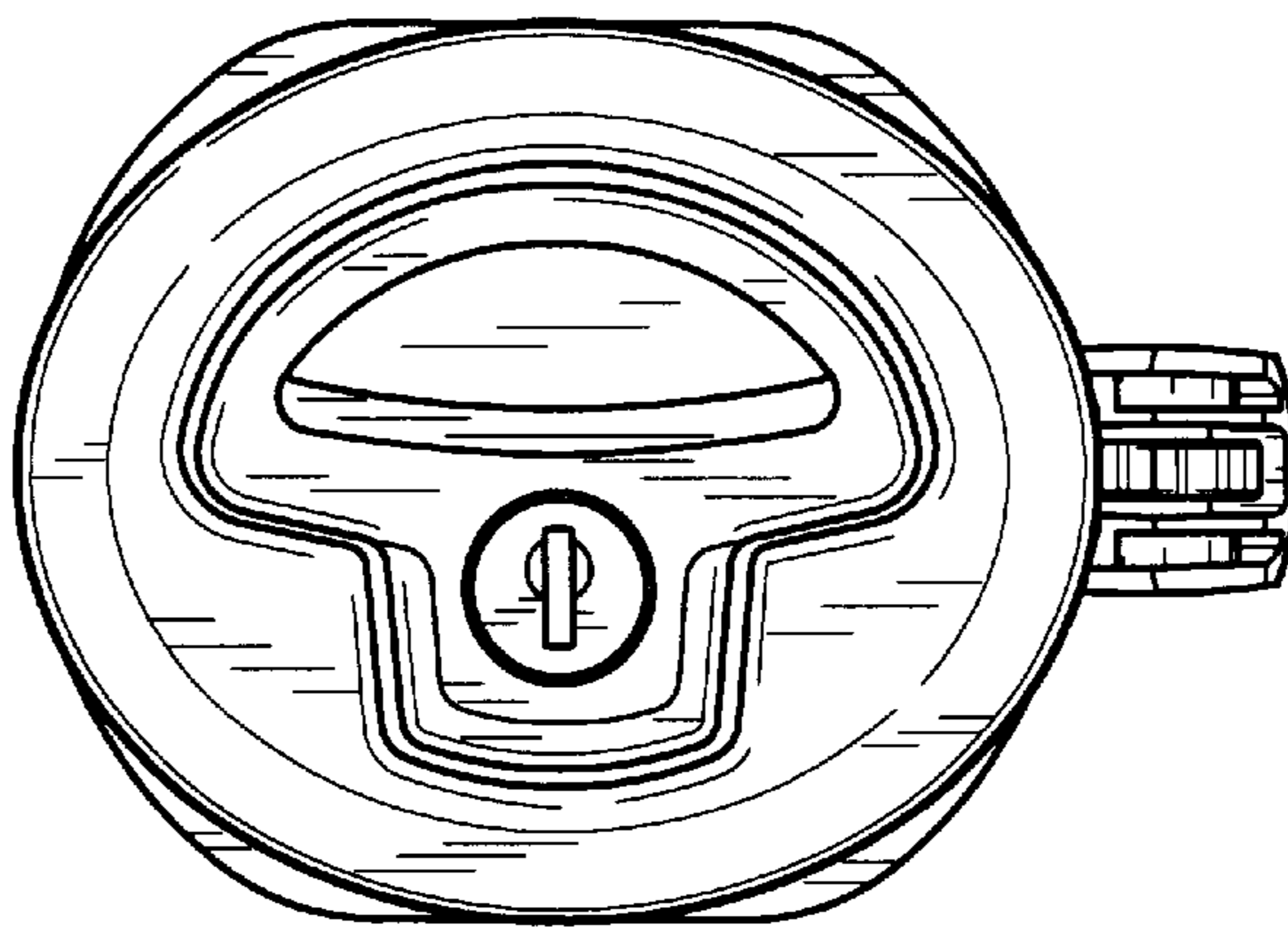


FIG. 20

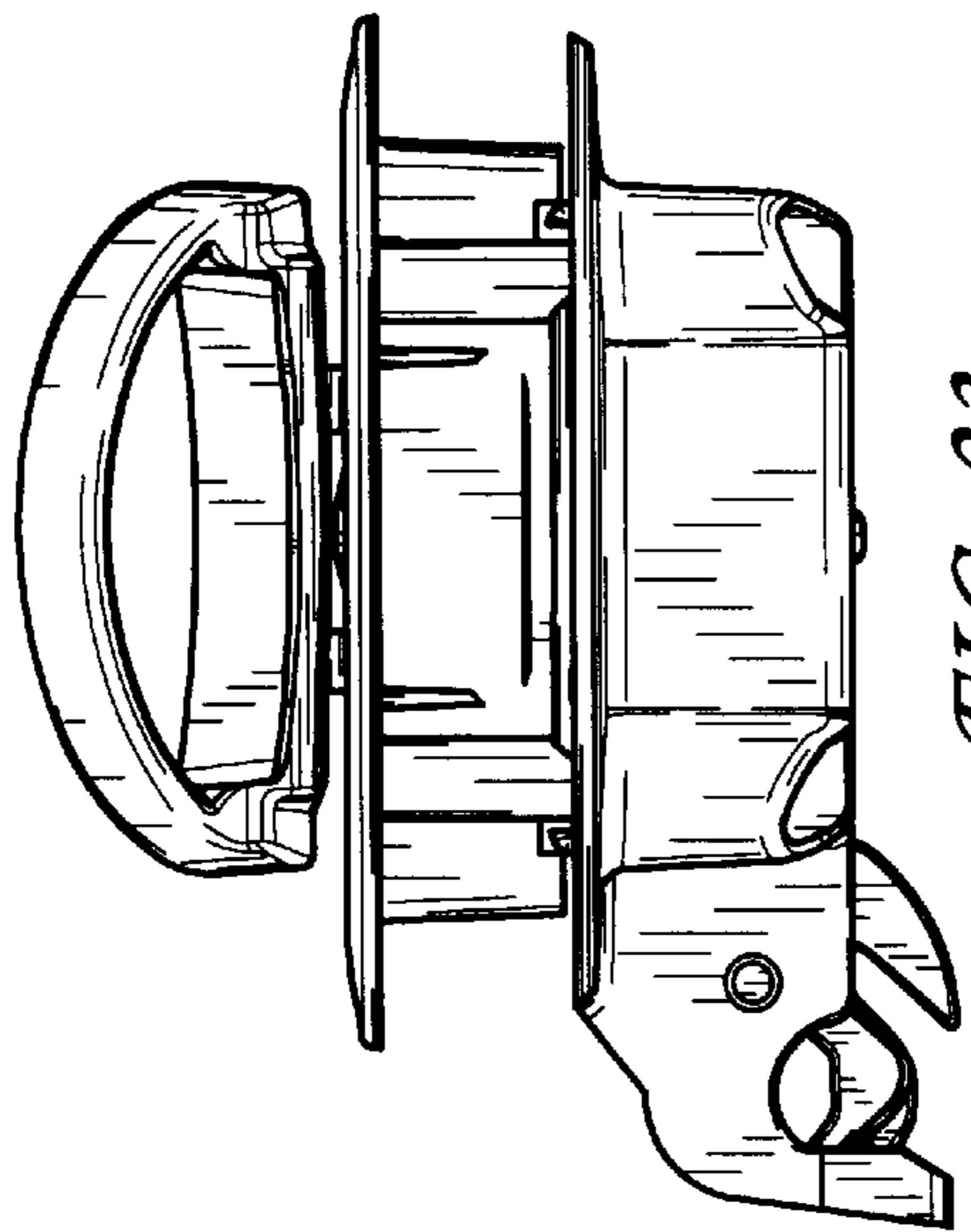


FIG. 23

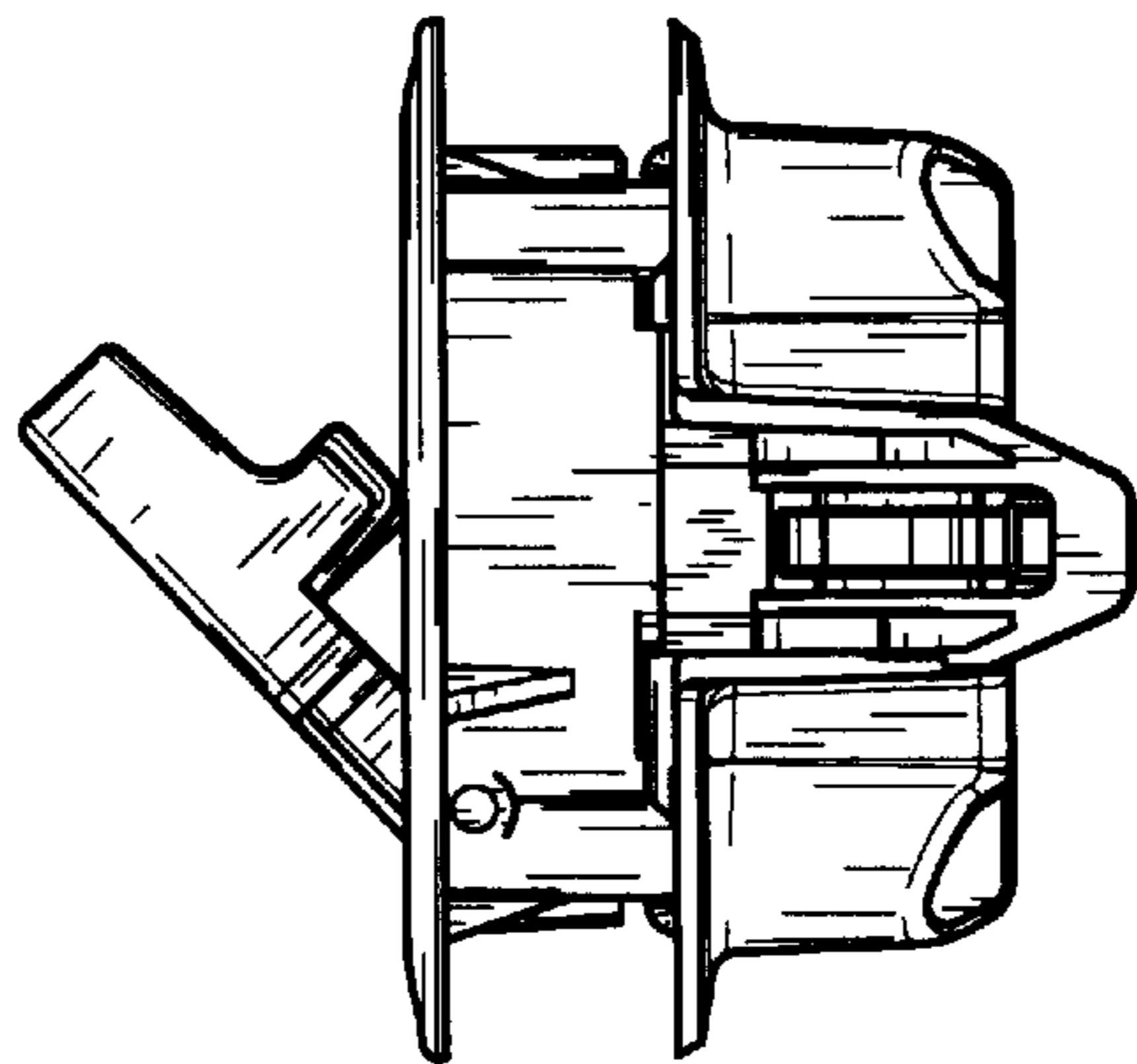


FIG. 25

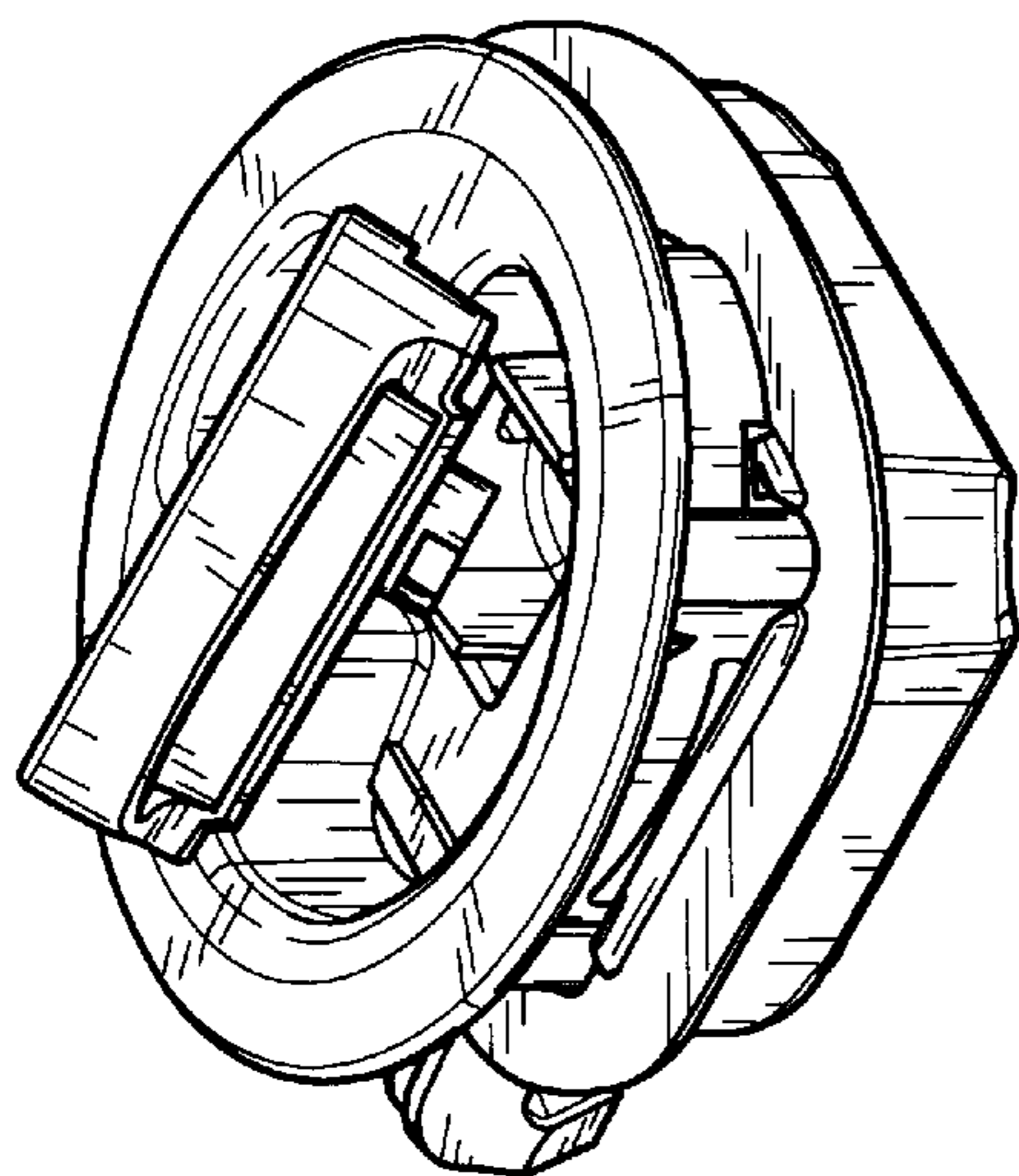


FIG. 22

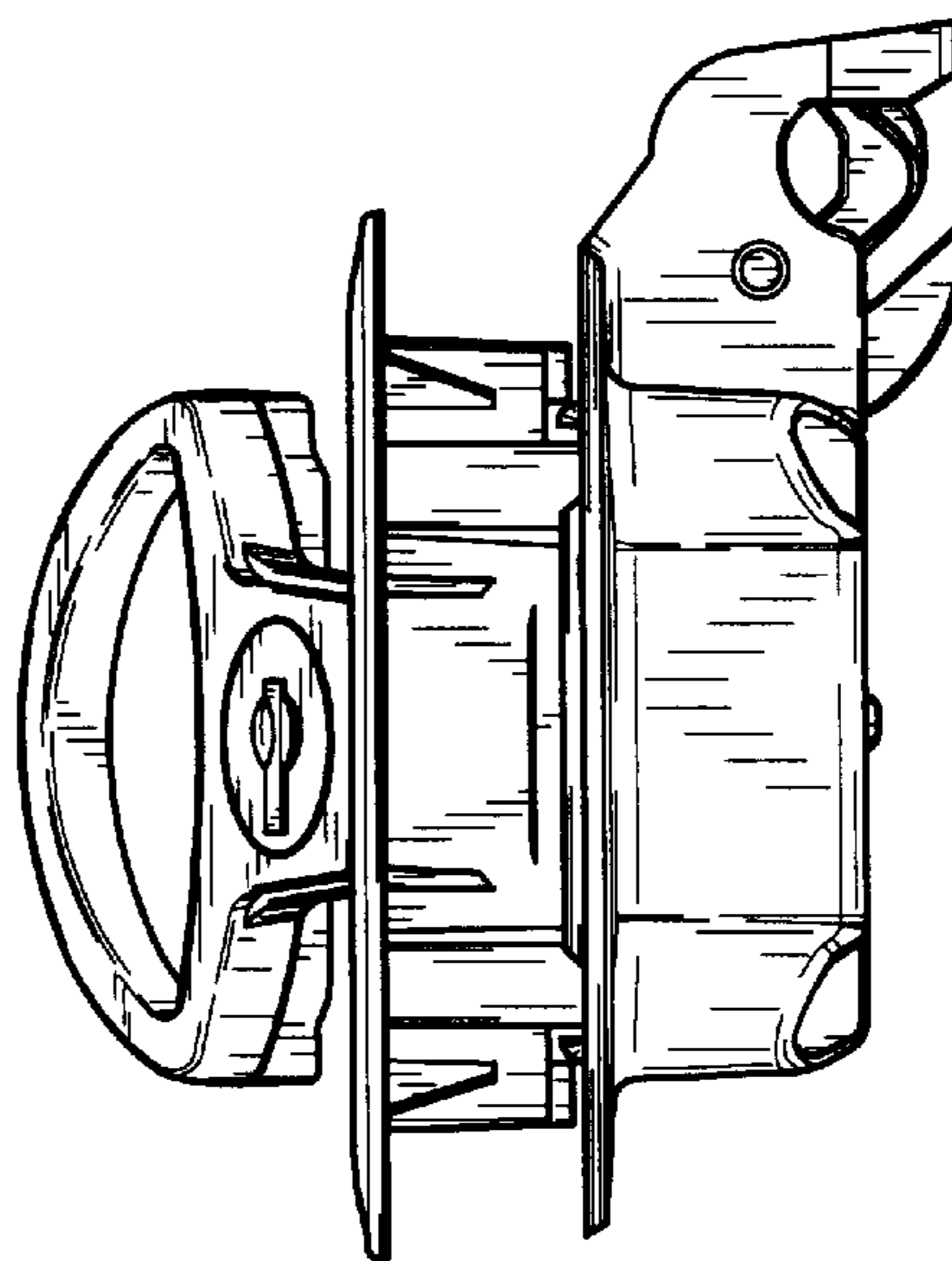


FIG. 24

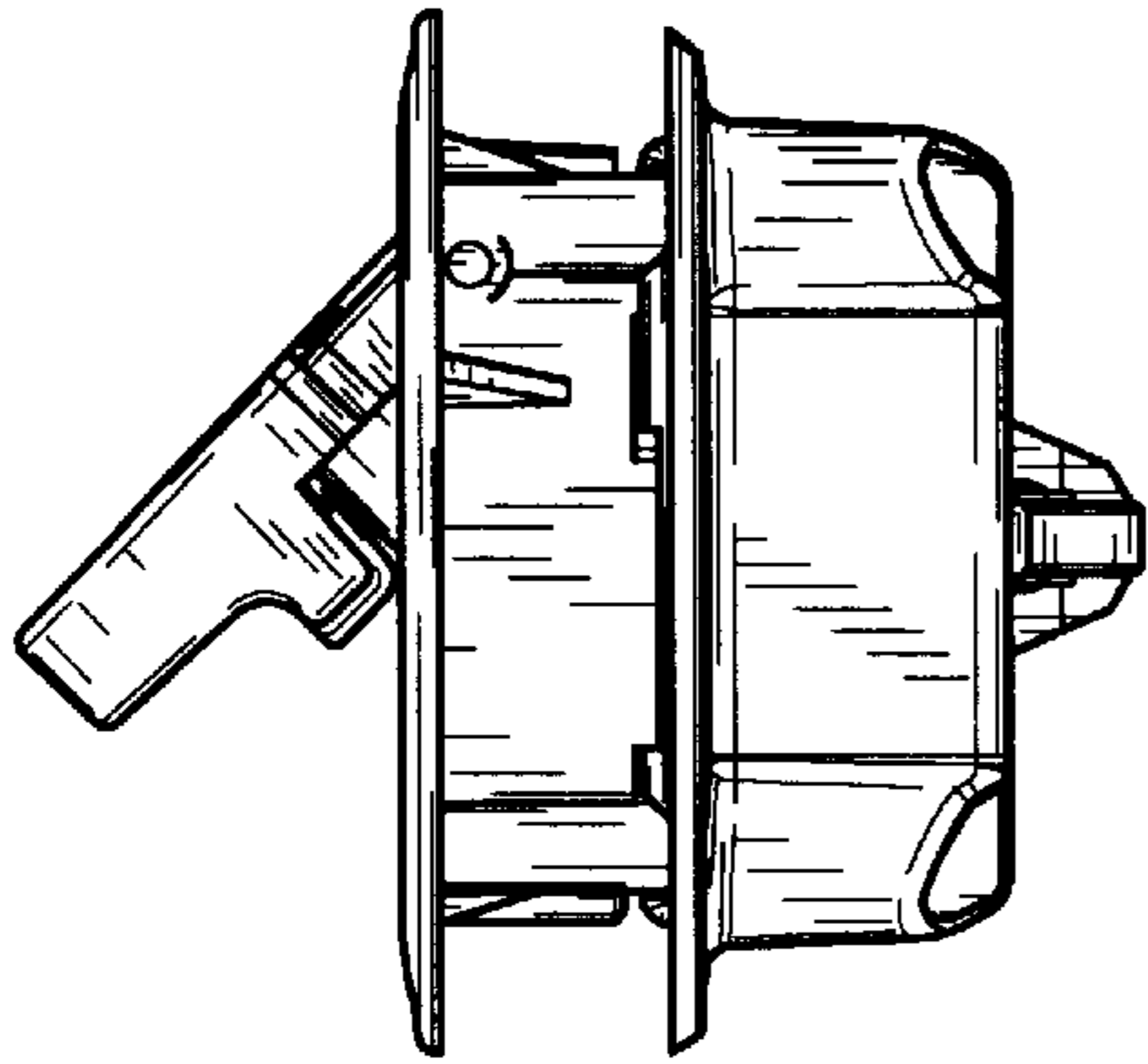


FIG. 26

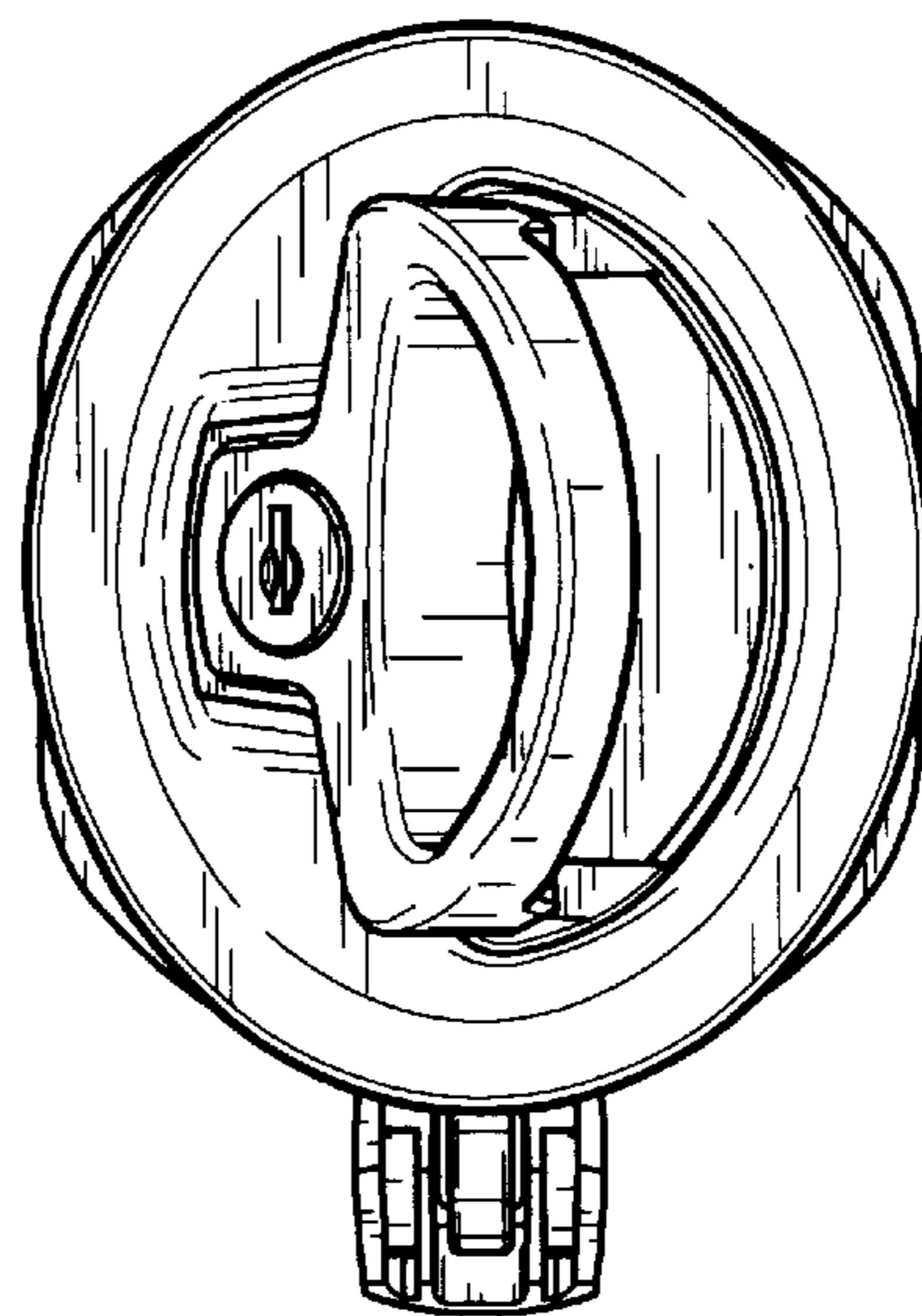


FIG. 27

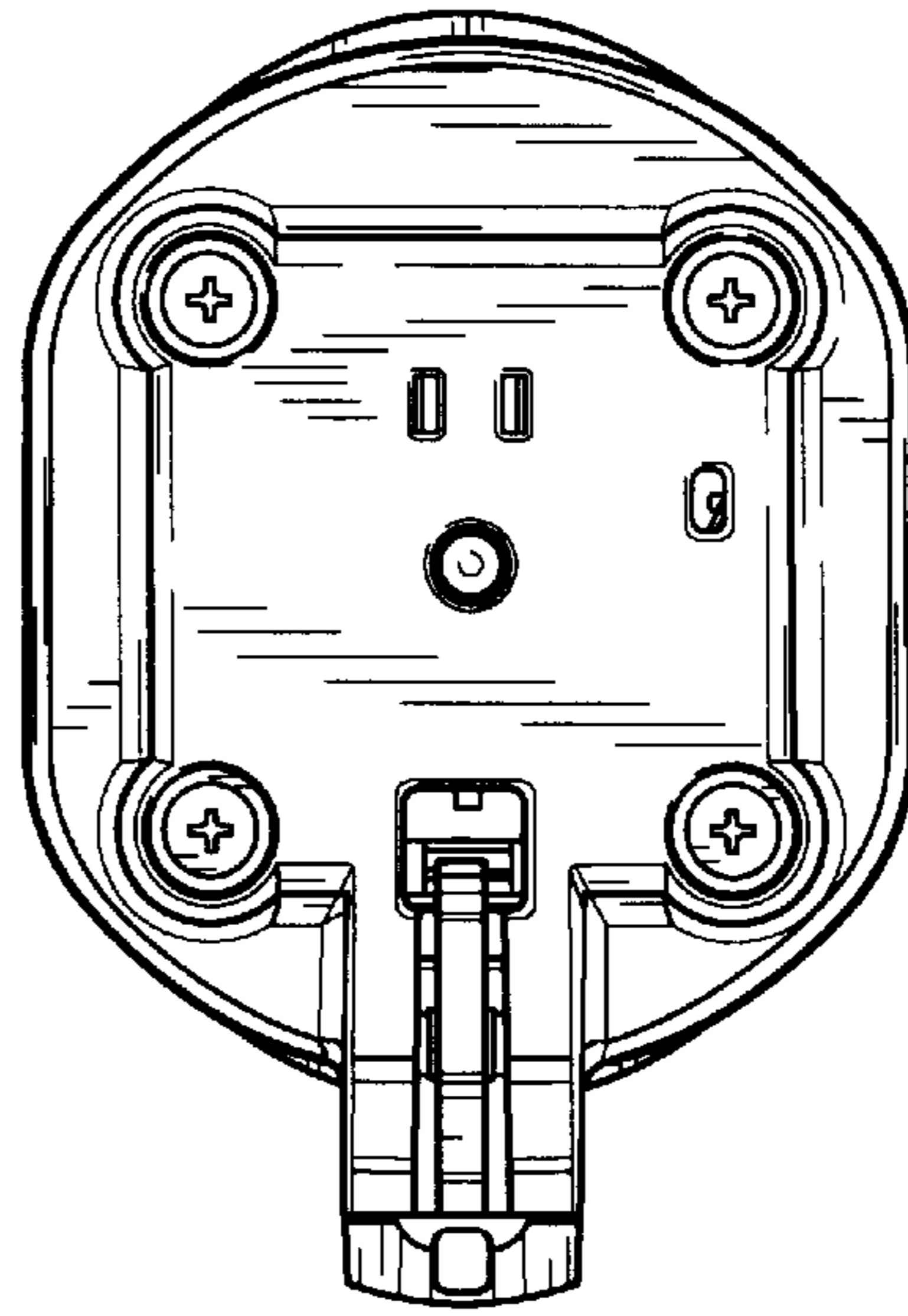


FIG. 28

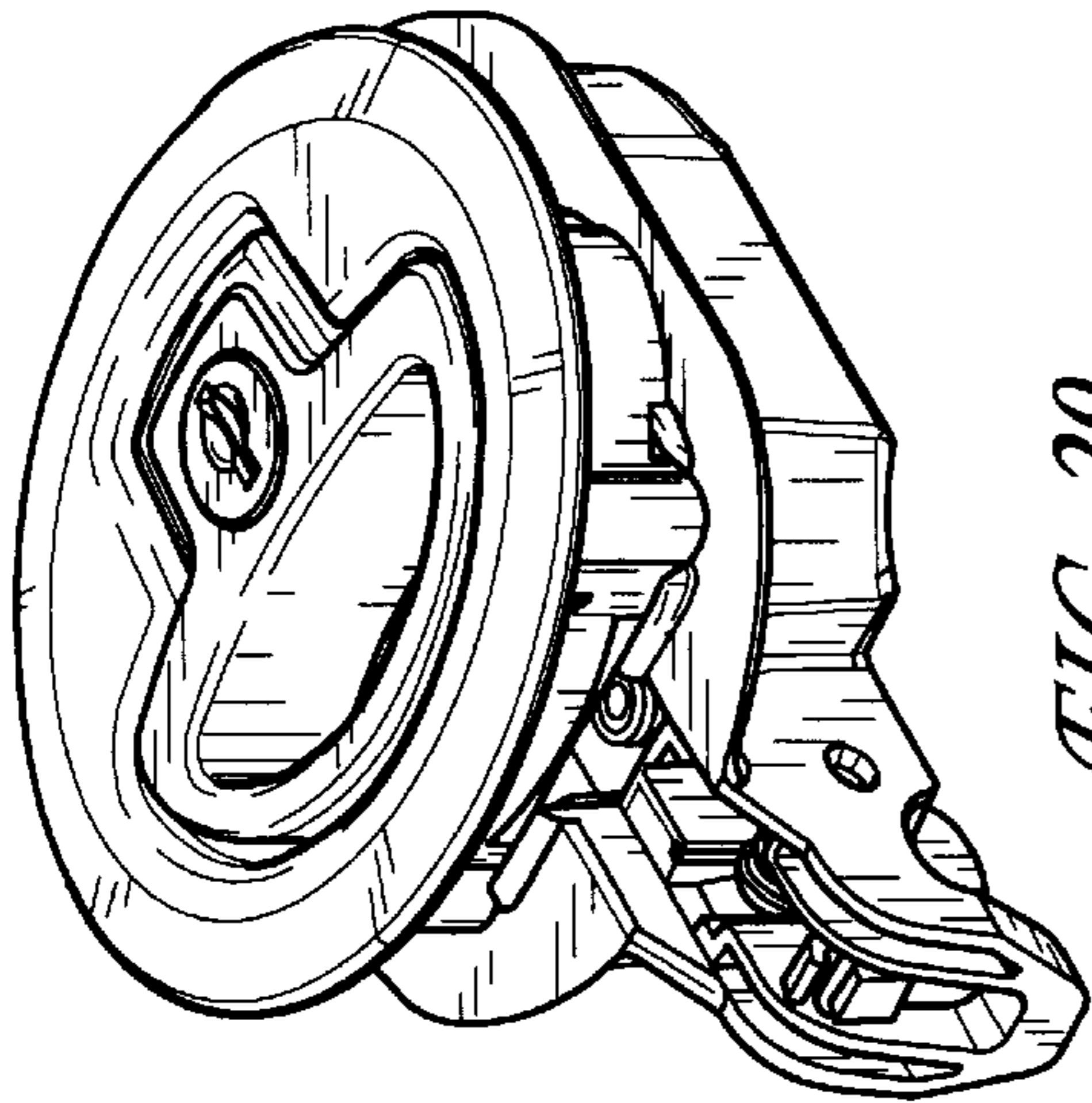


FIG. 29

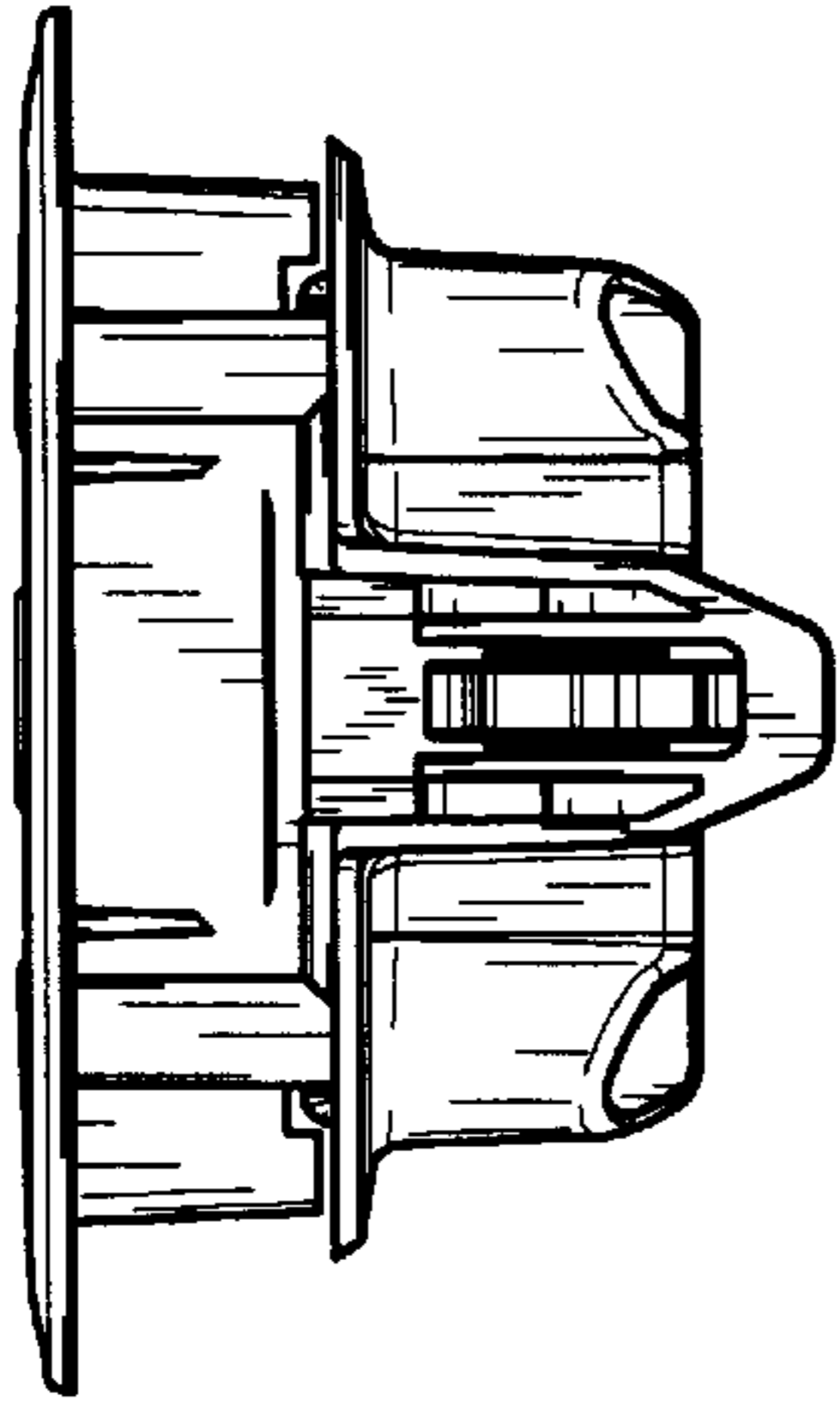


FIG. 30

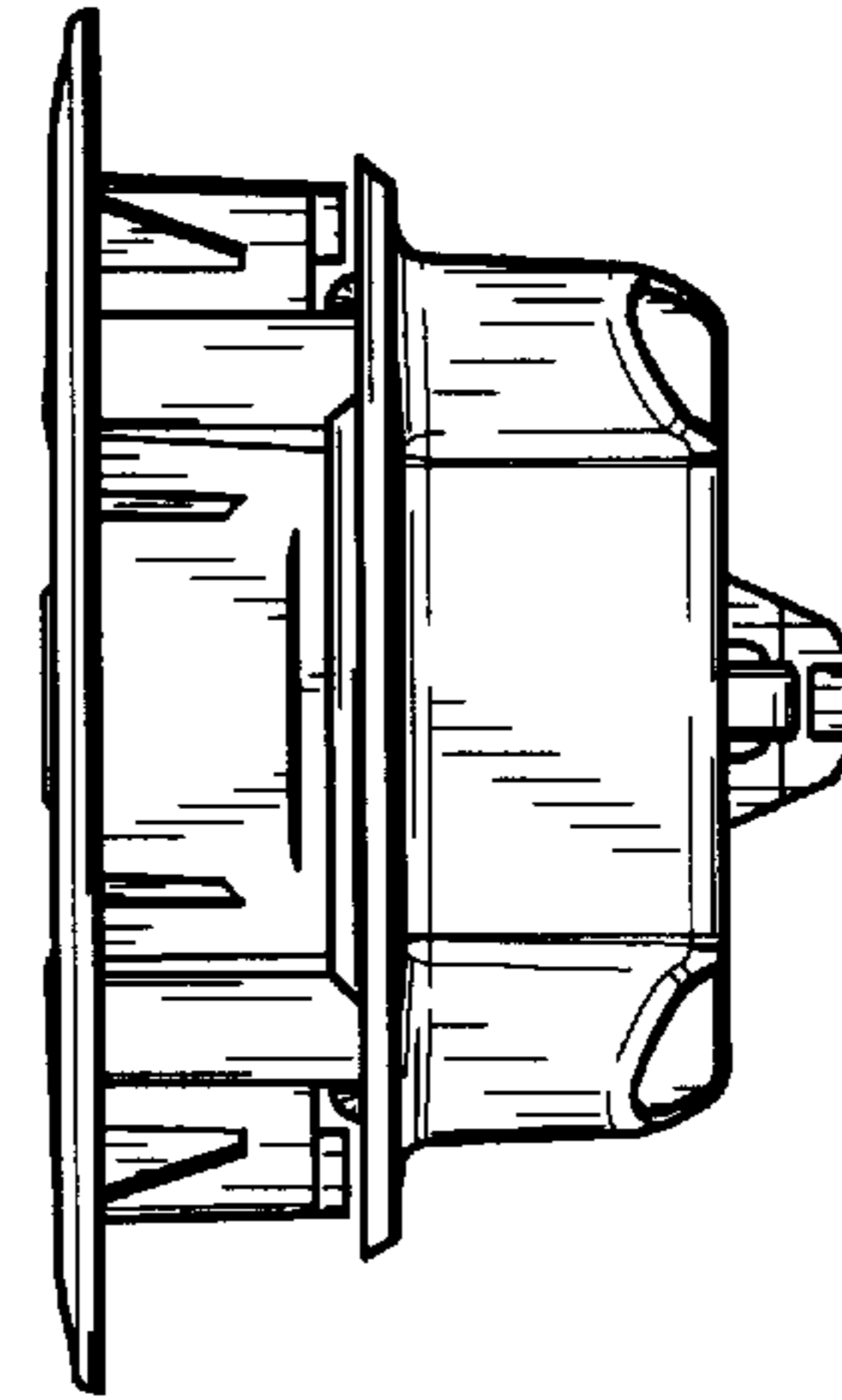


FIG. 31

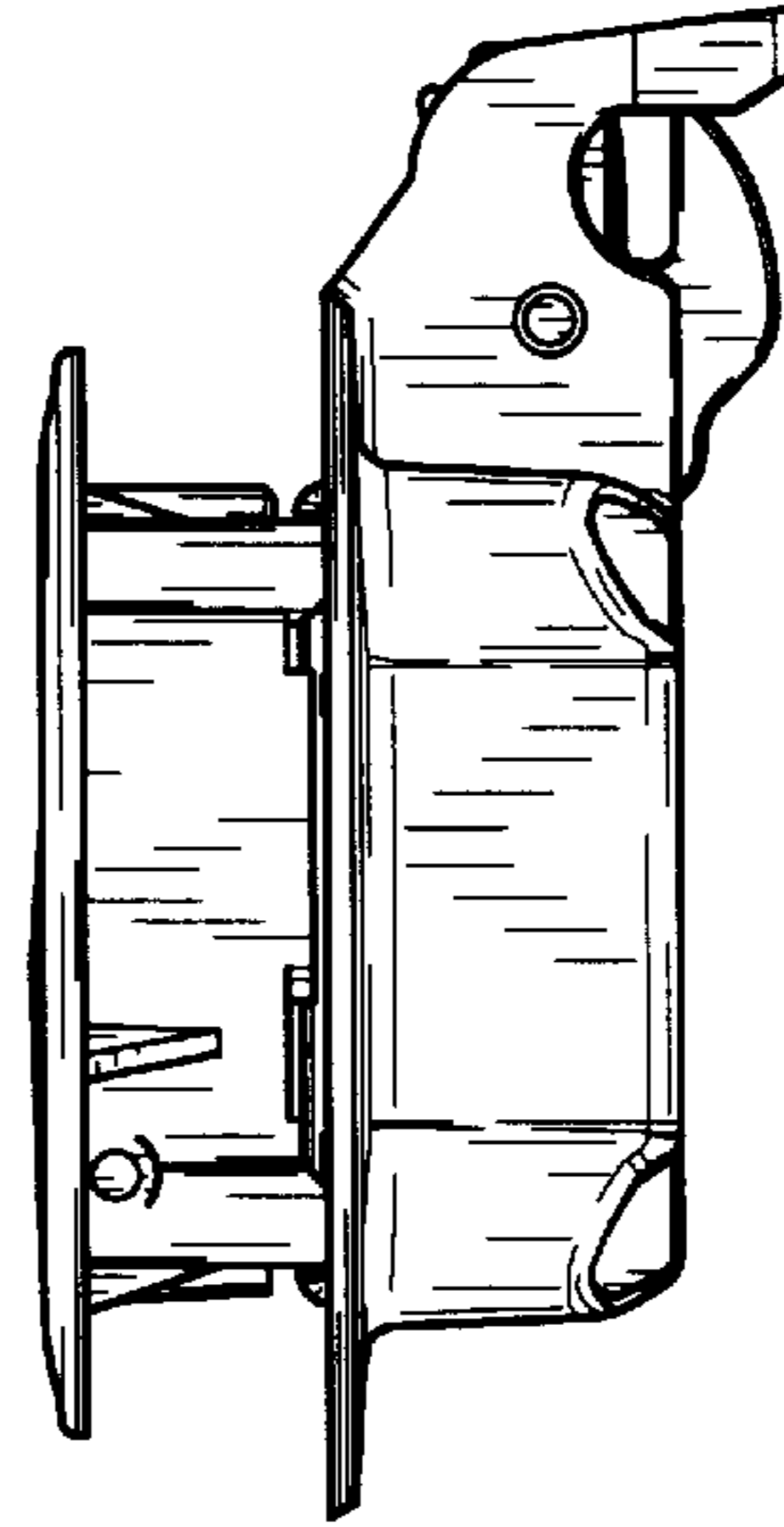


FIG. 32

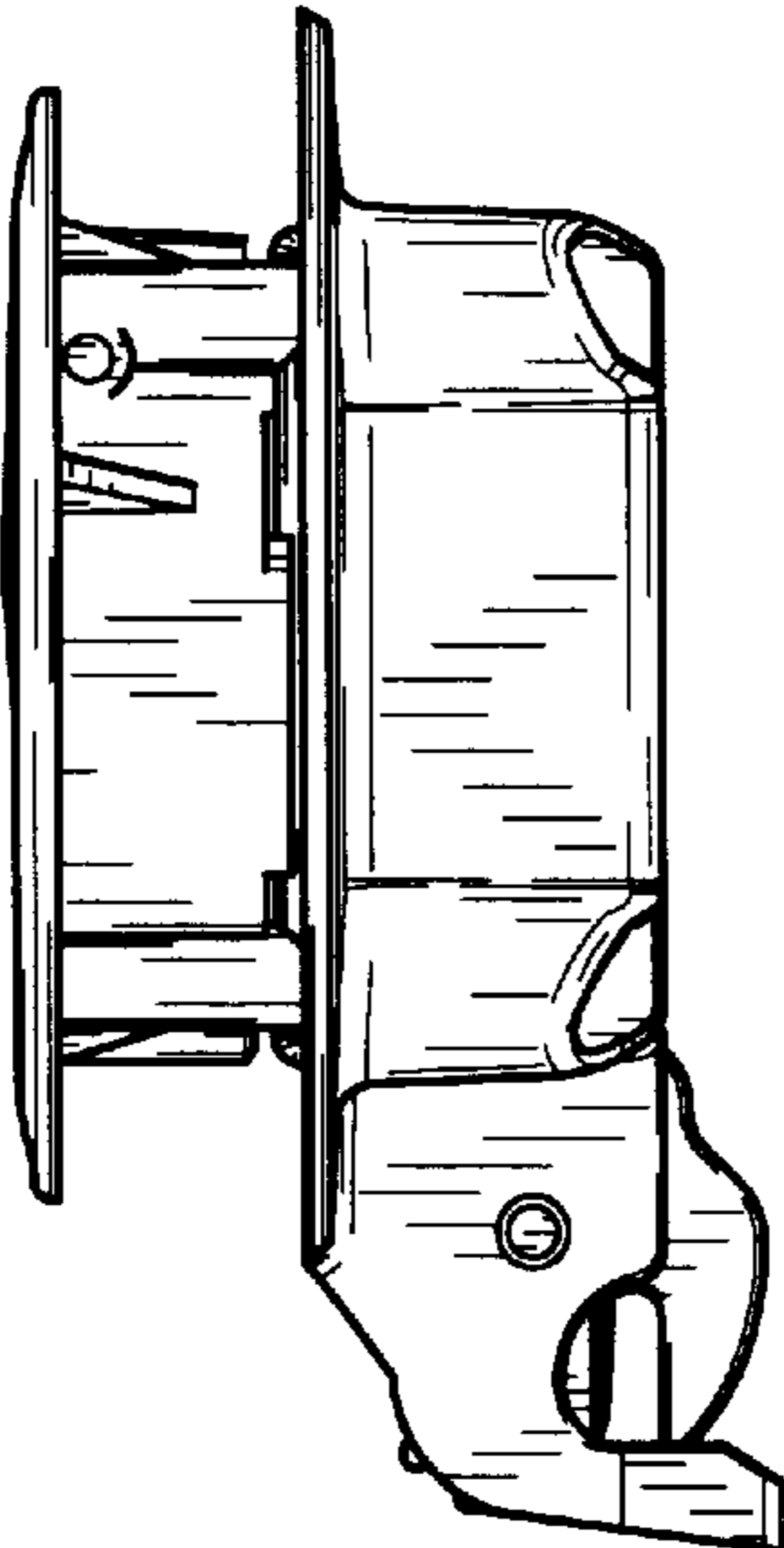


FIG. 33

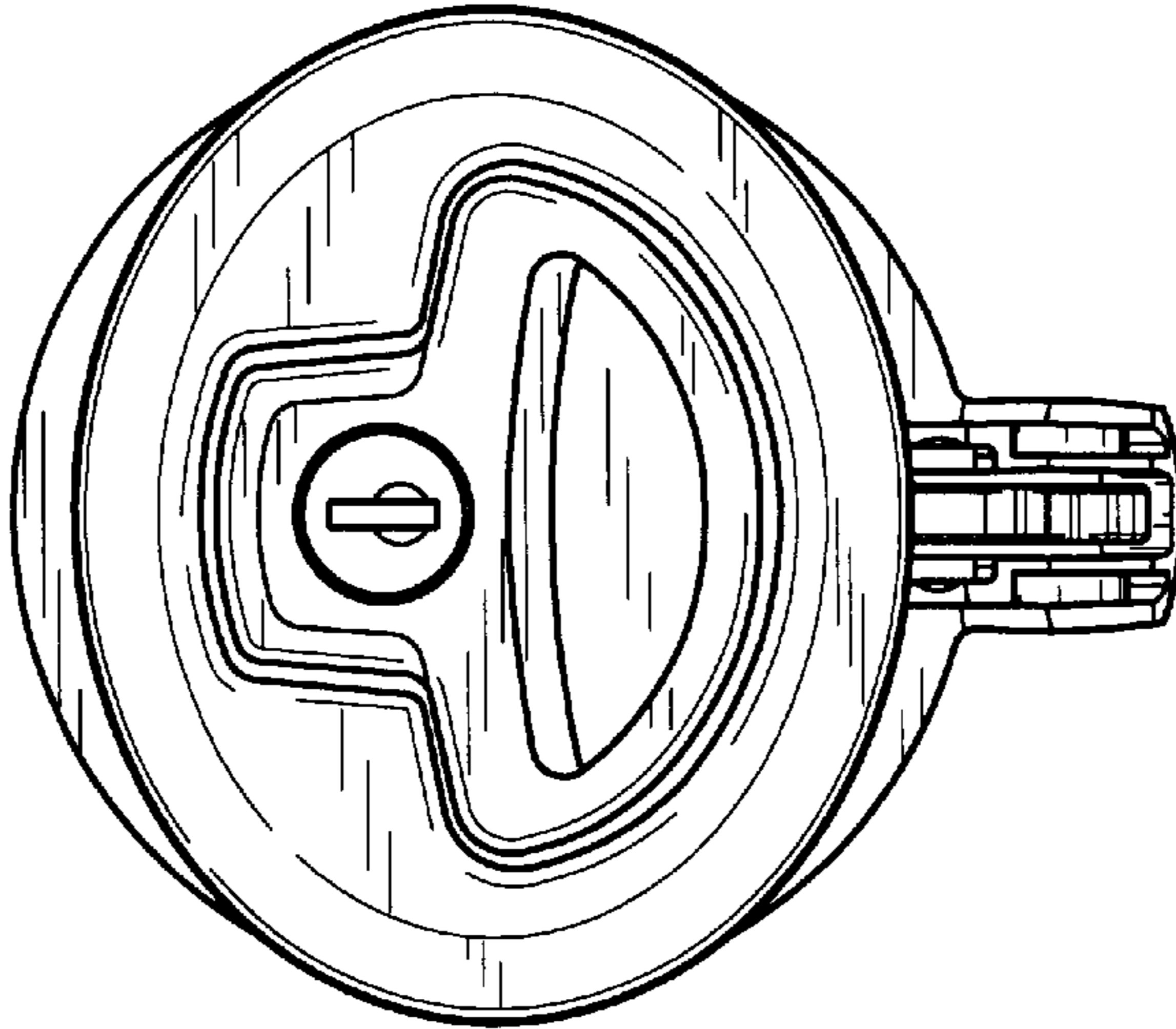


FIG. 34

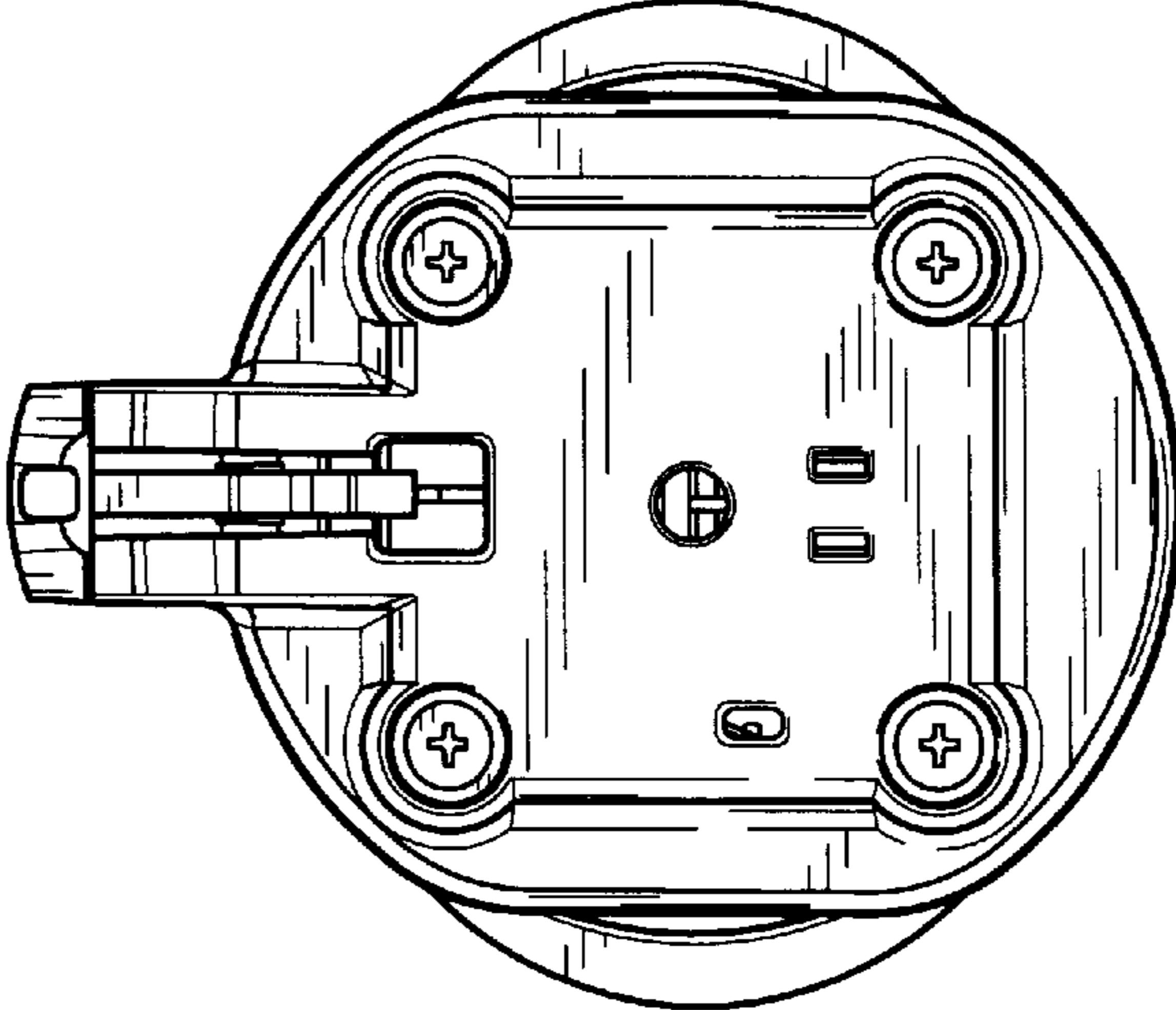


FIG. 35

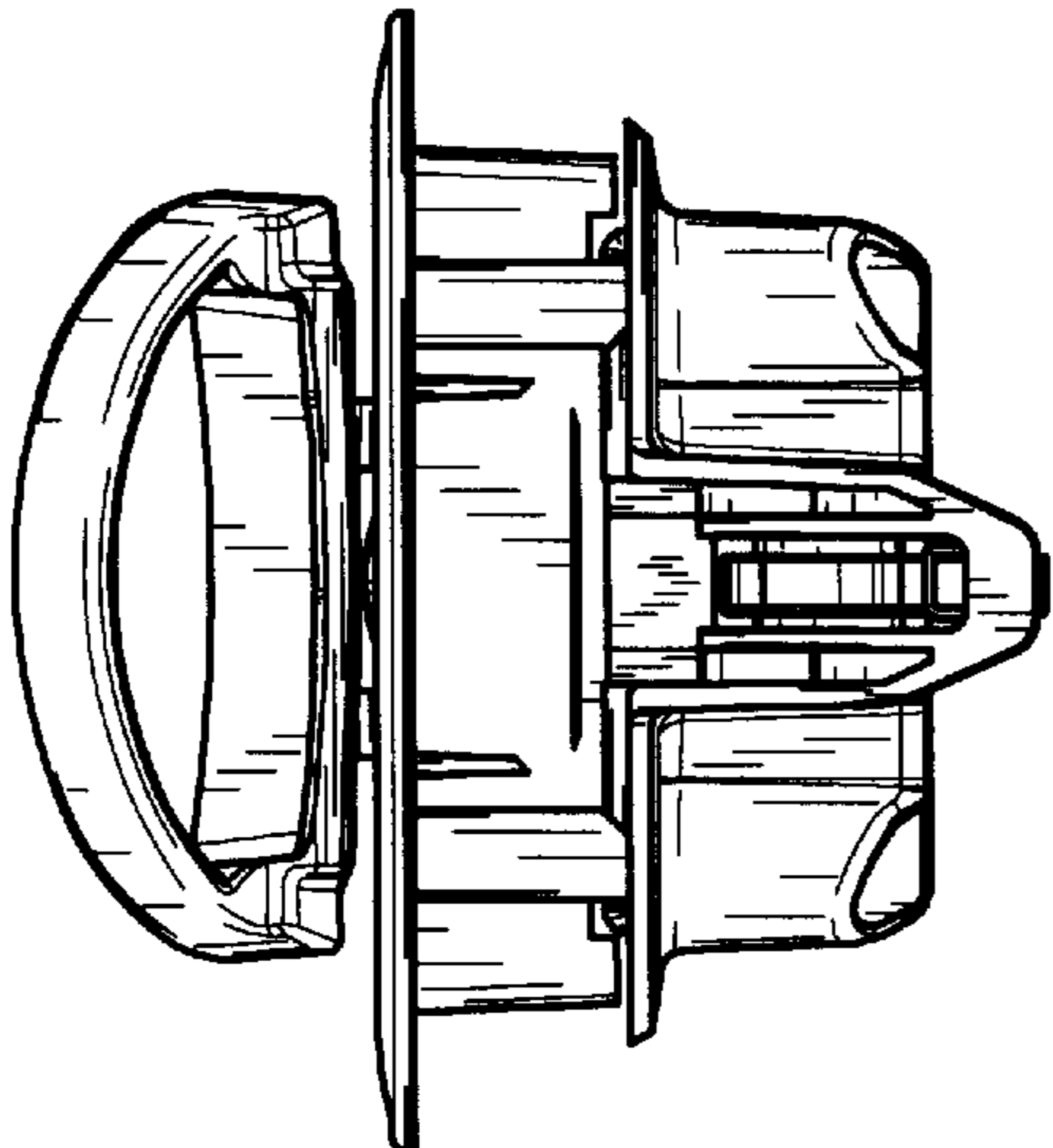


FIG. 37

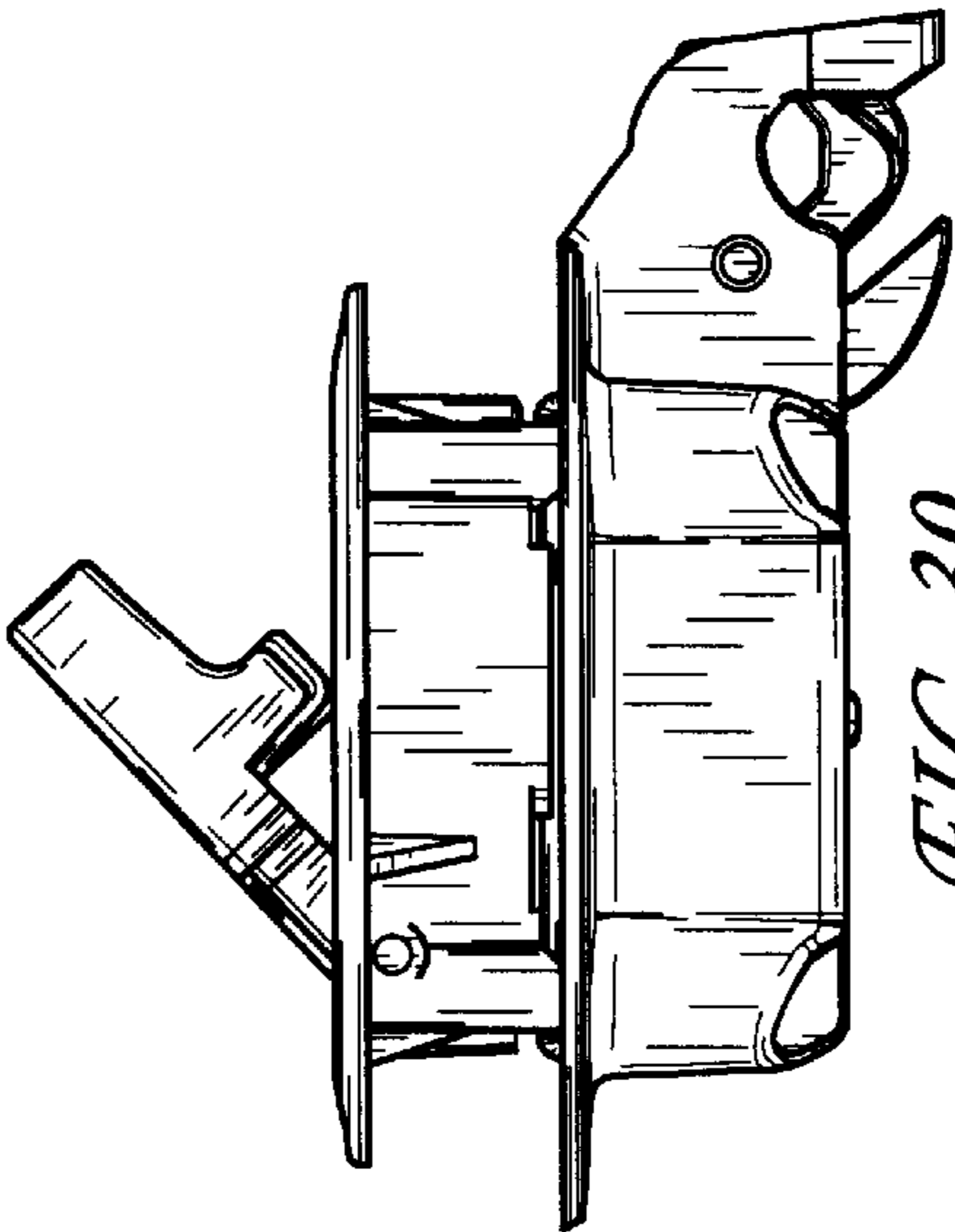


FIG. 39

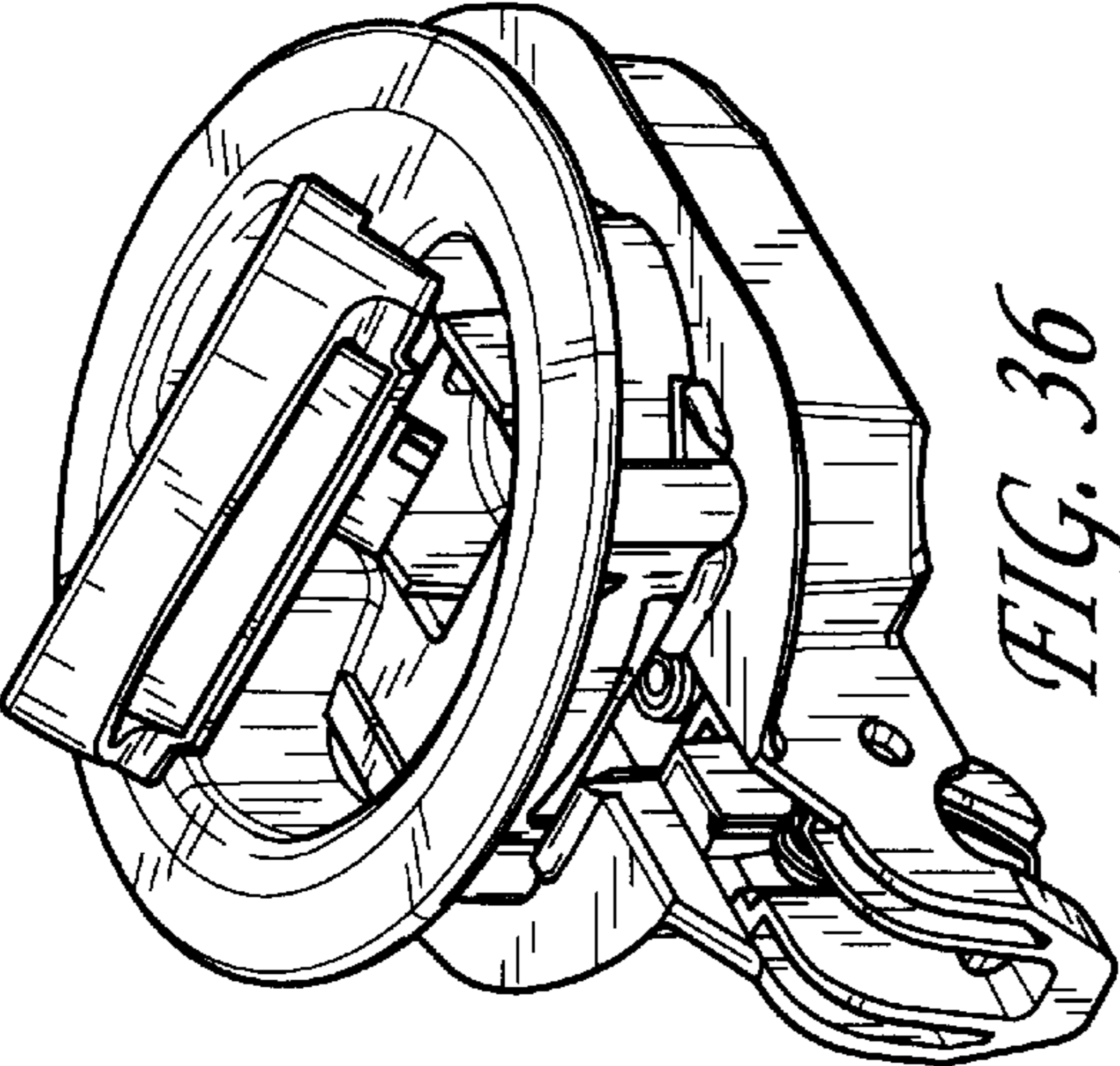


FIG. 36

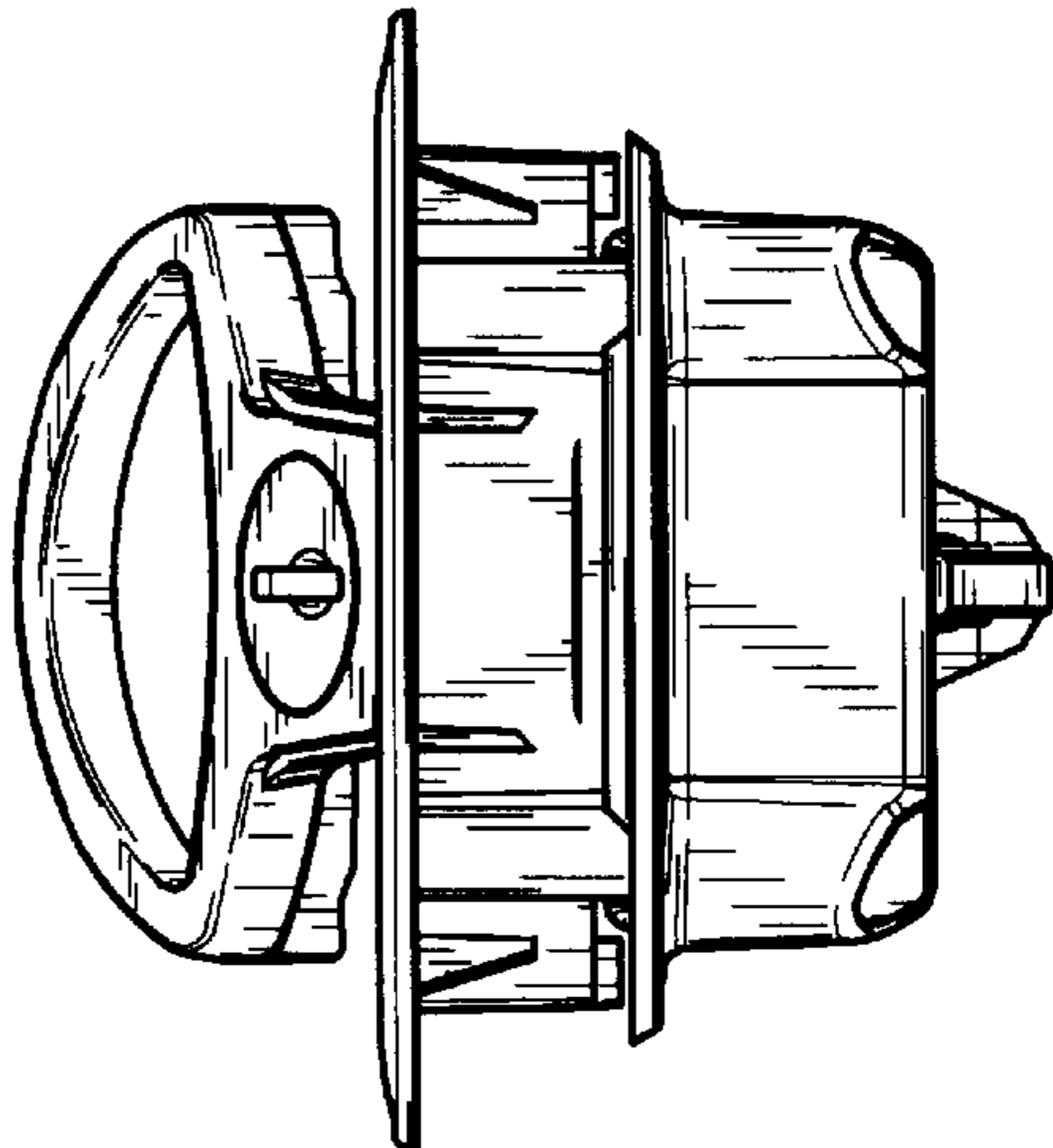


FIG. 38

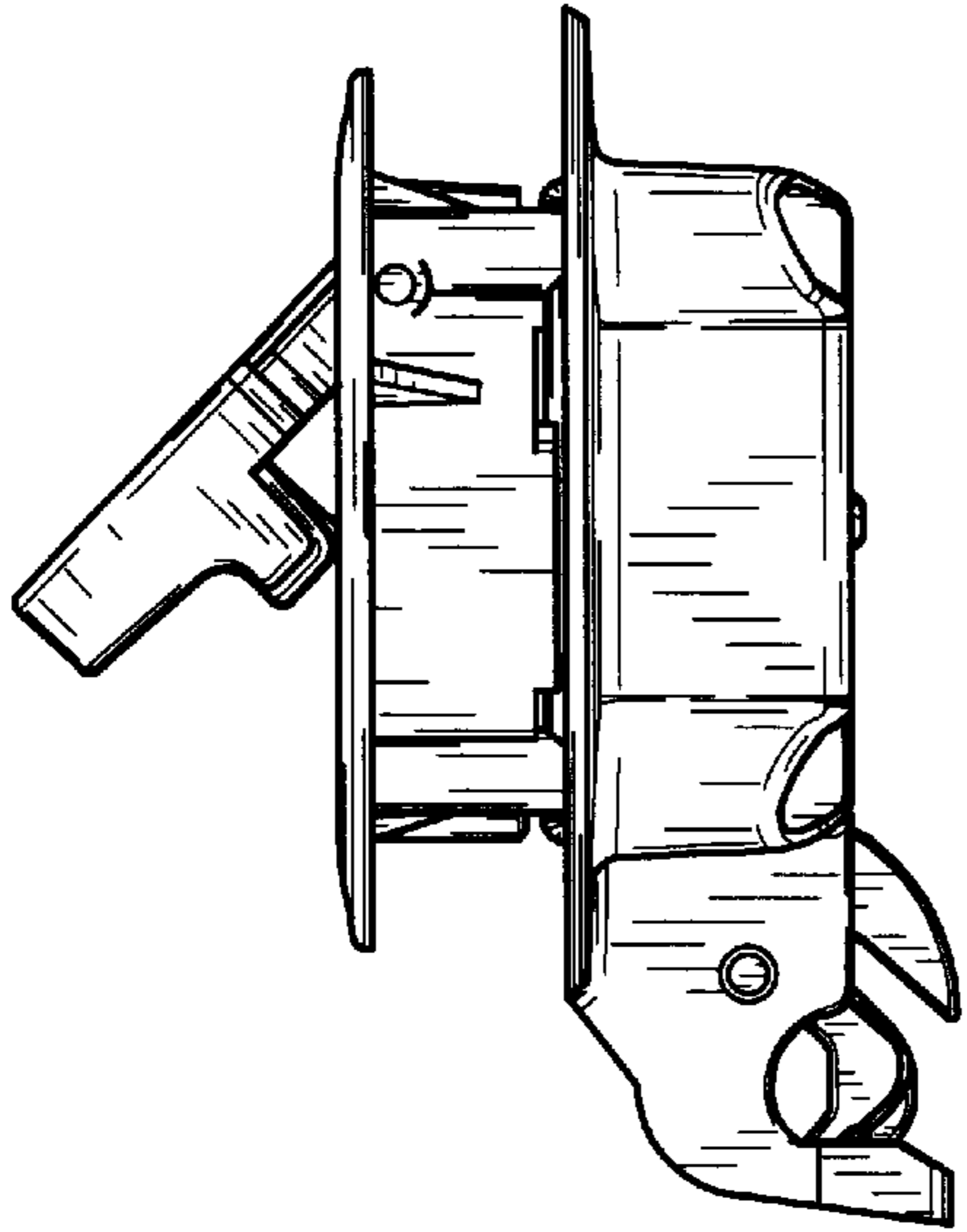


FIG. 40

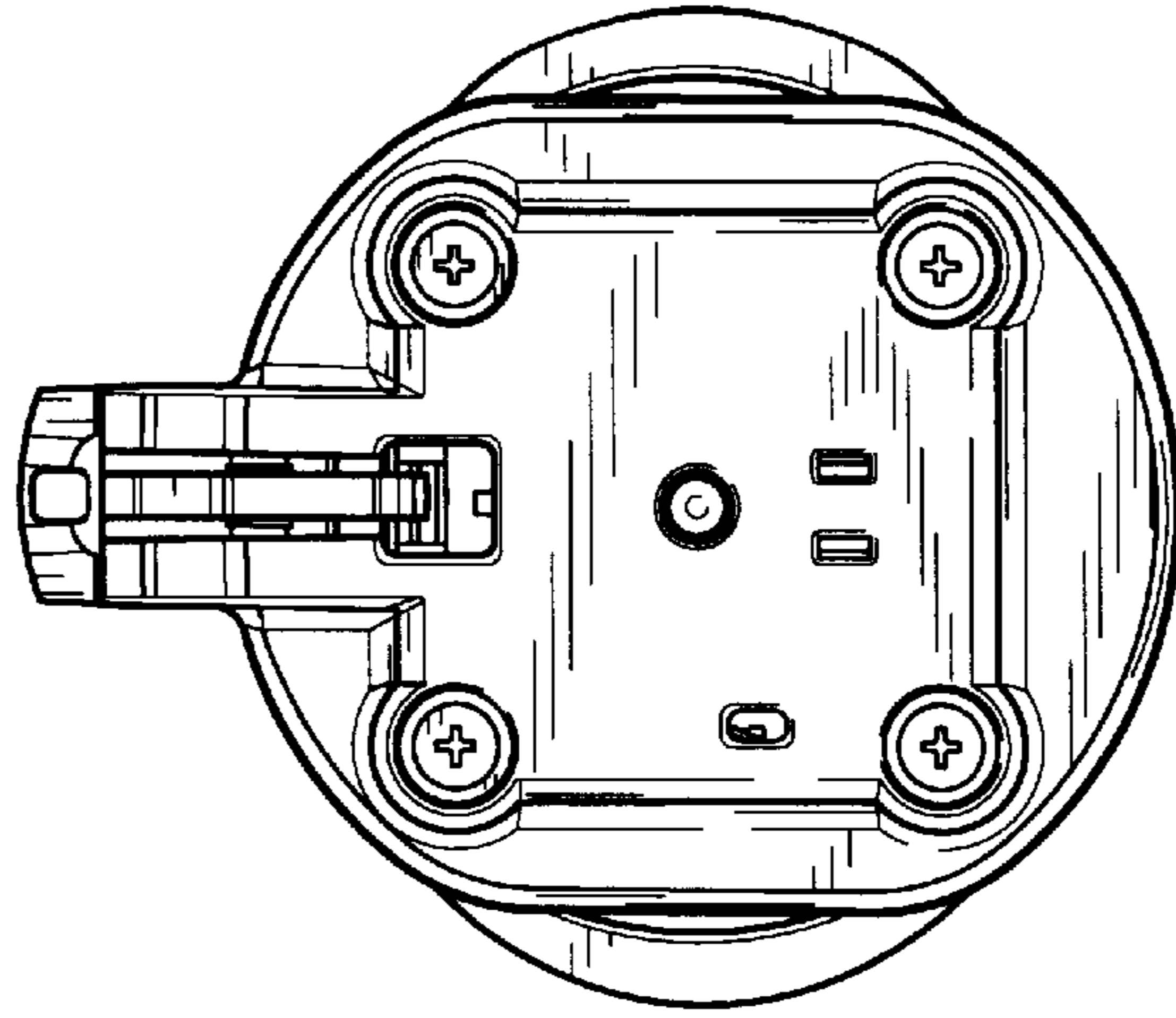


FIG. 42

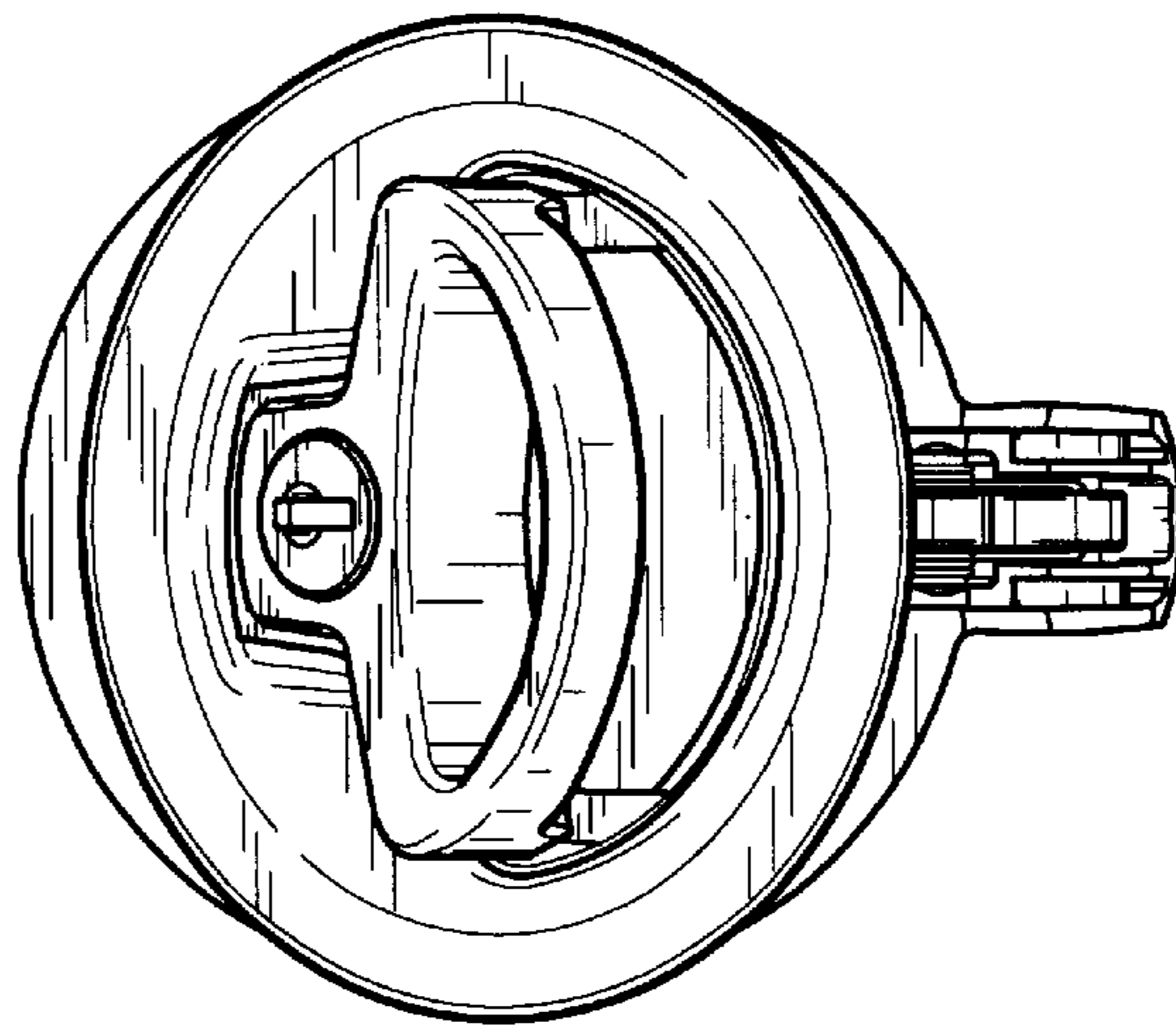


FIG. 41

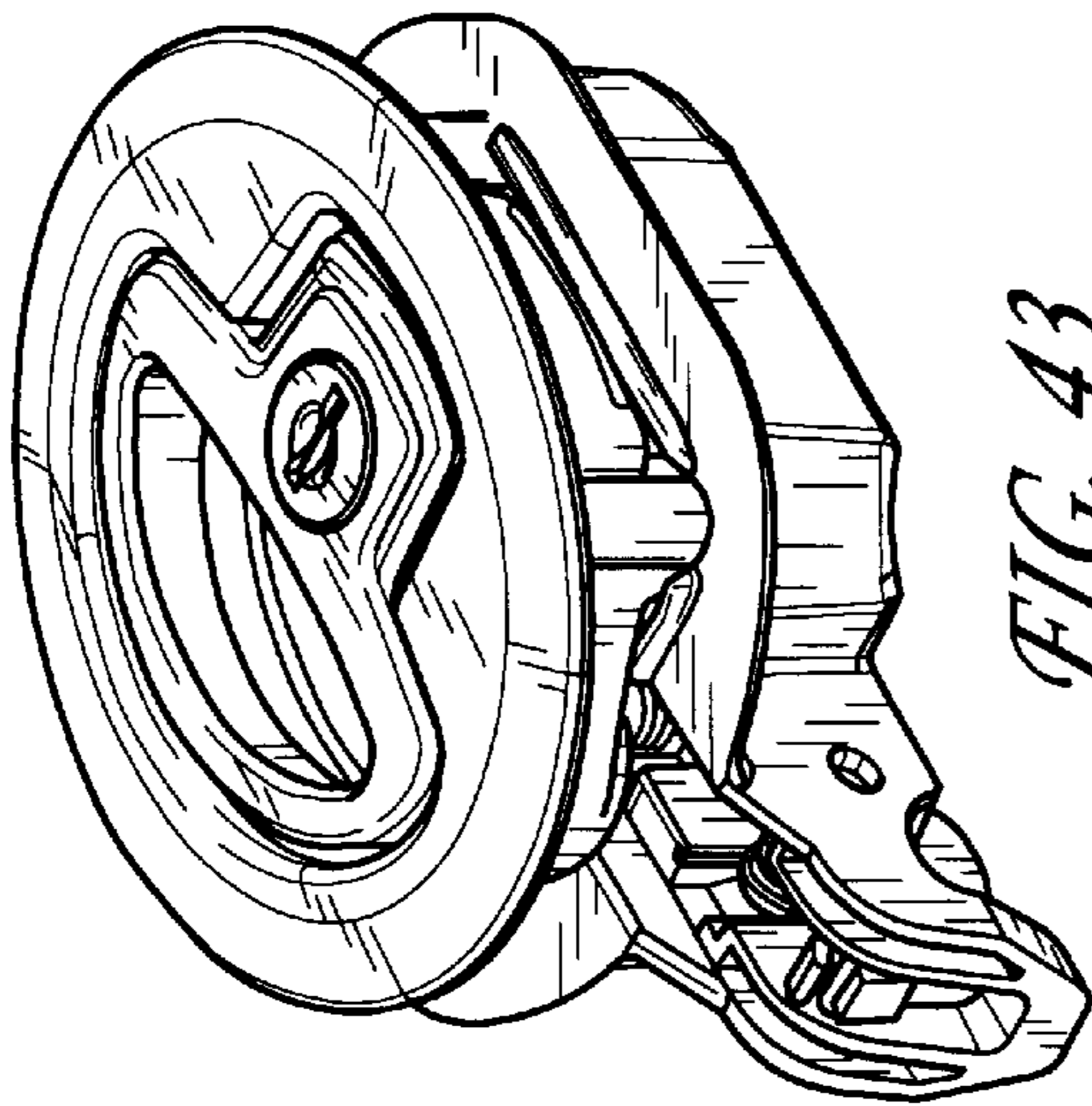


FIG. 43



FIG. 44

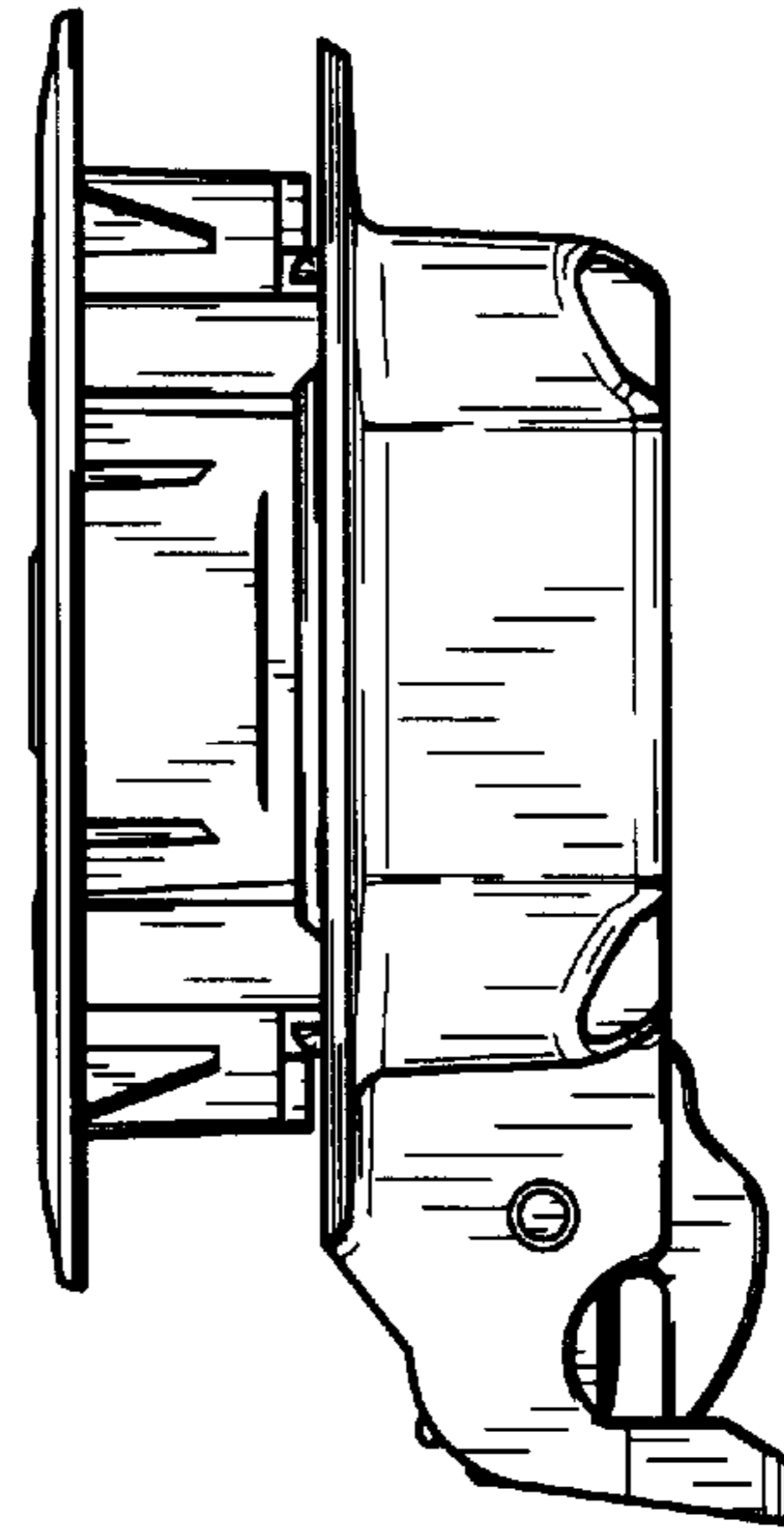


FIG. 45

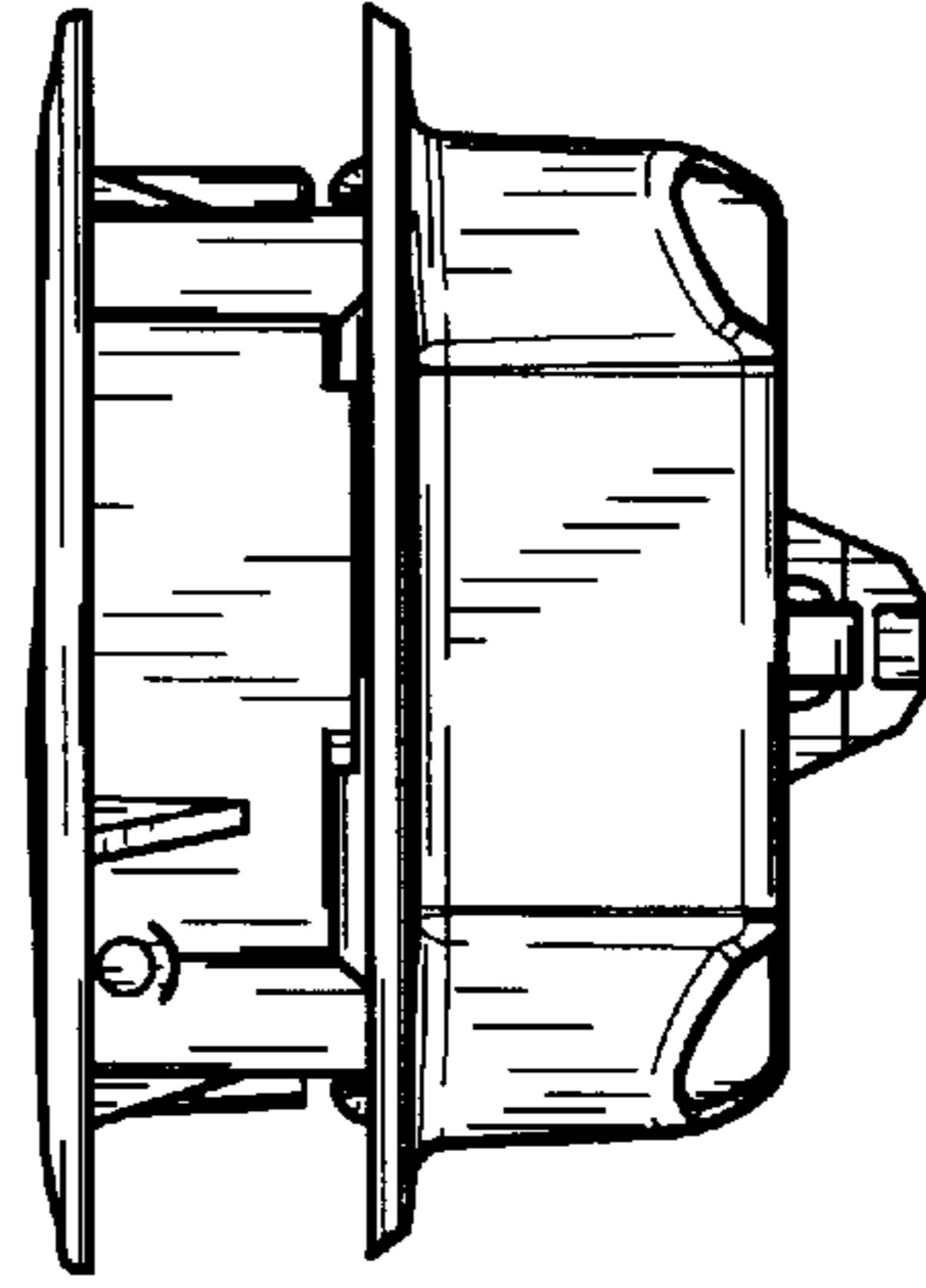


FIG. 46

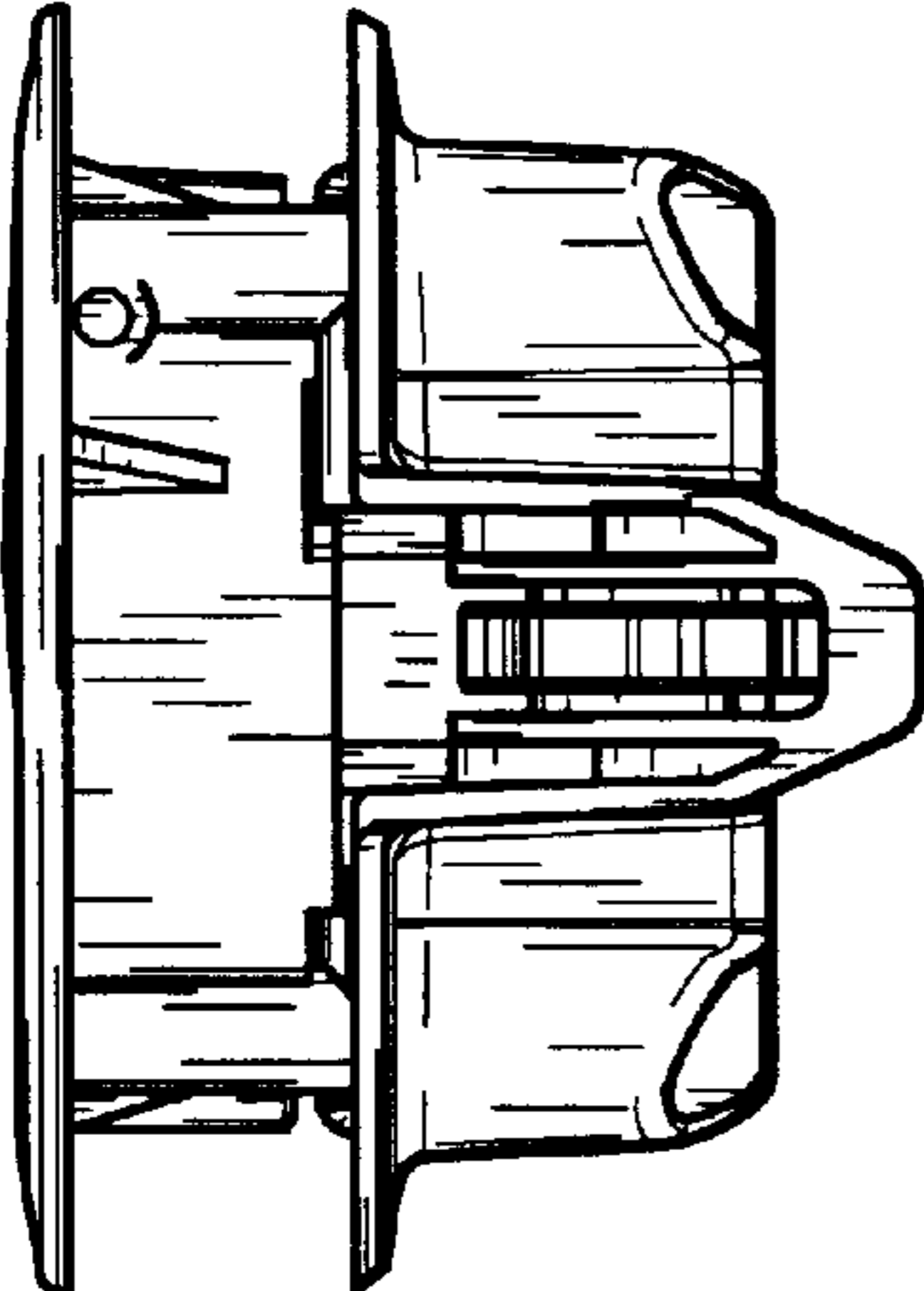


FIG. 47

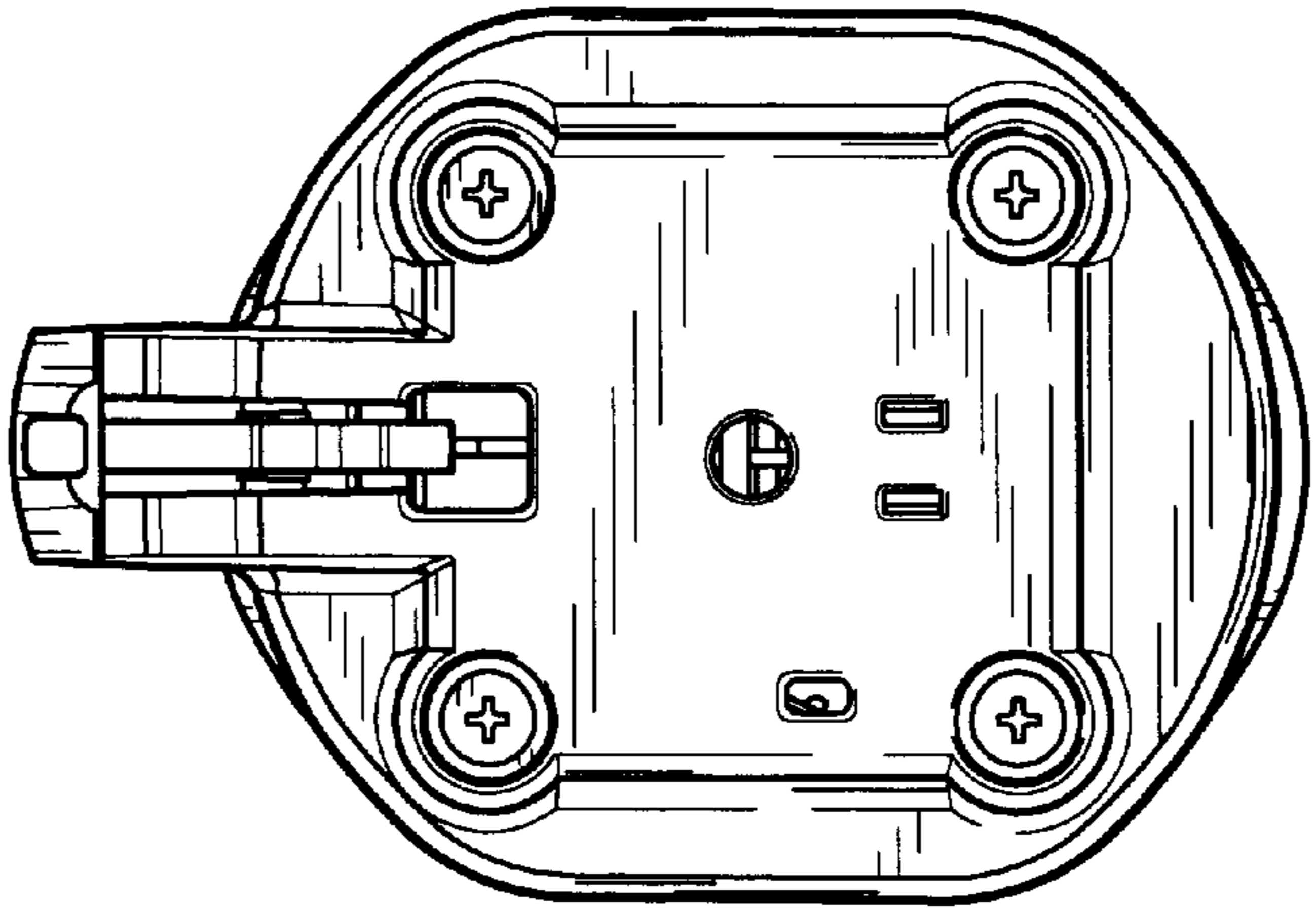


FIG. 49

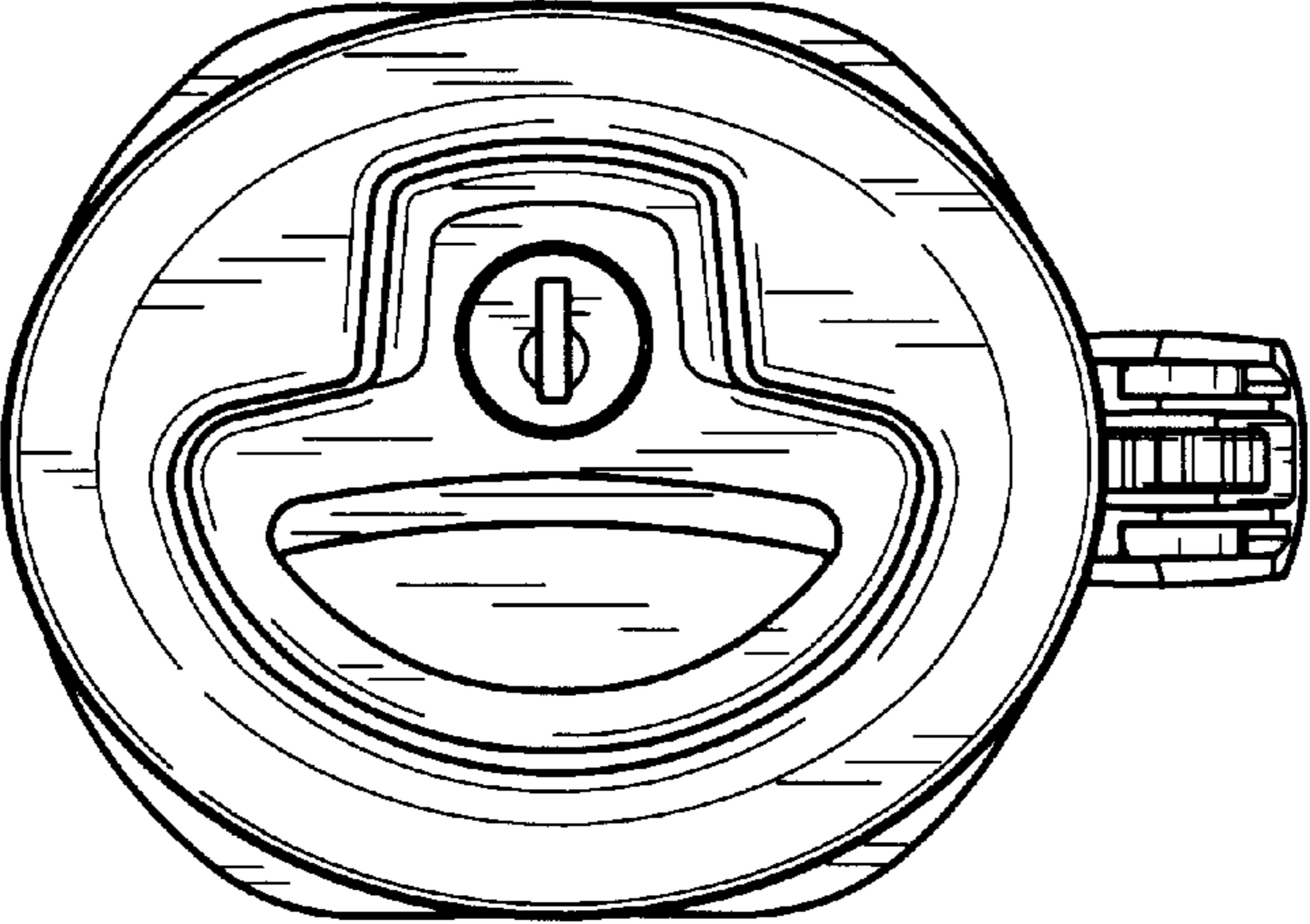
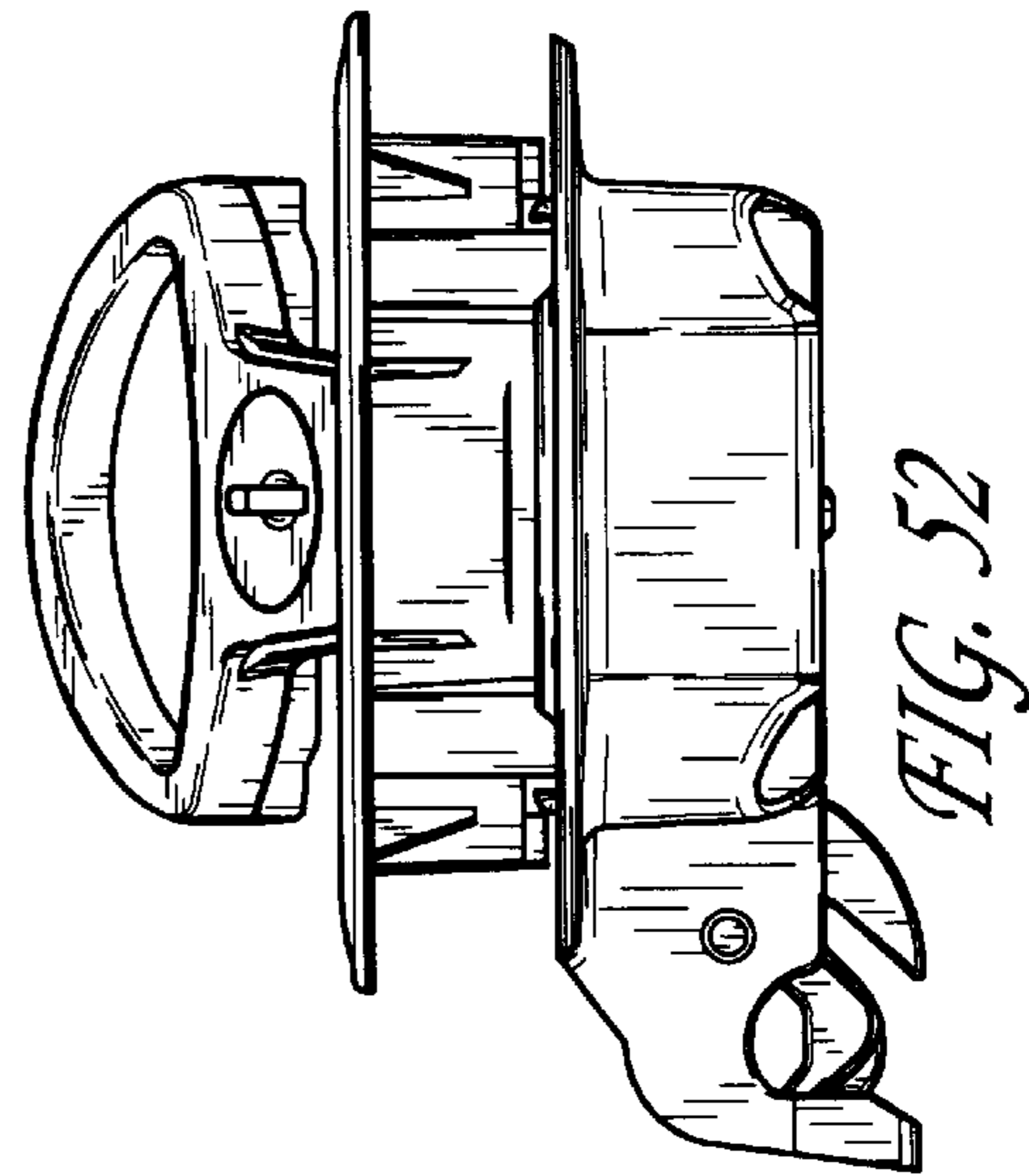
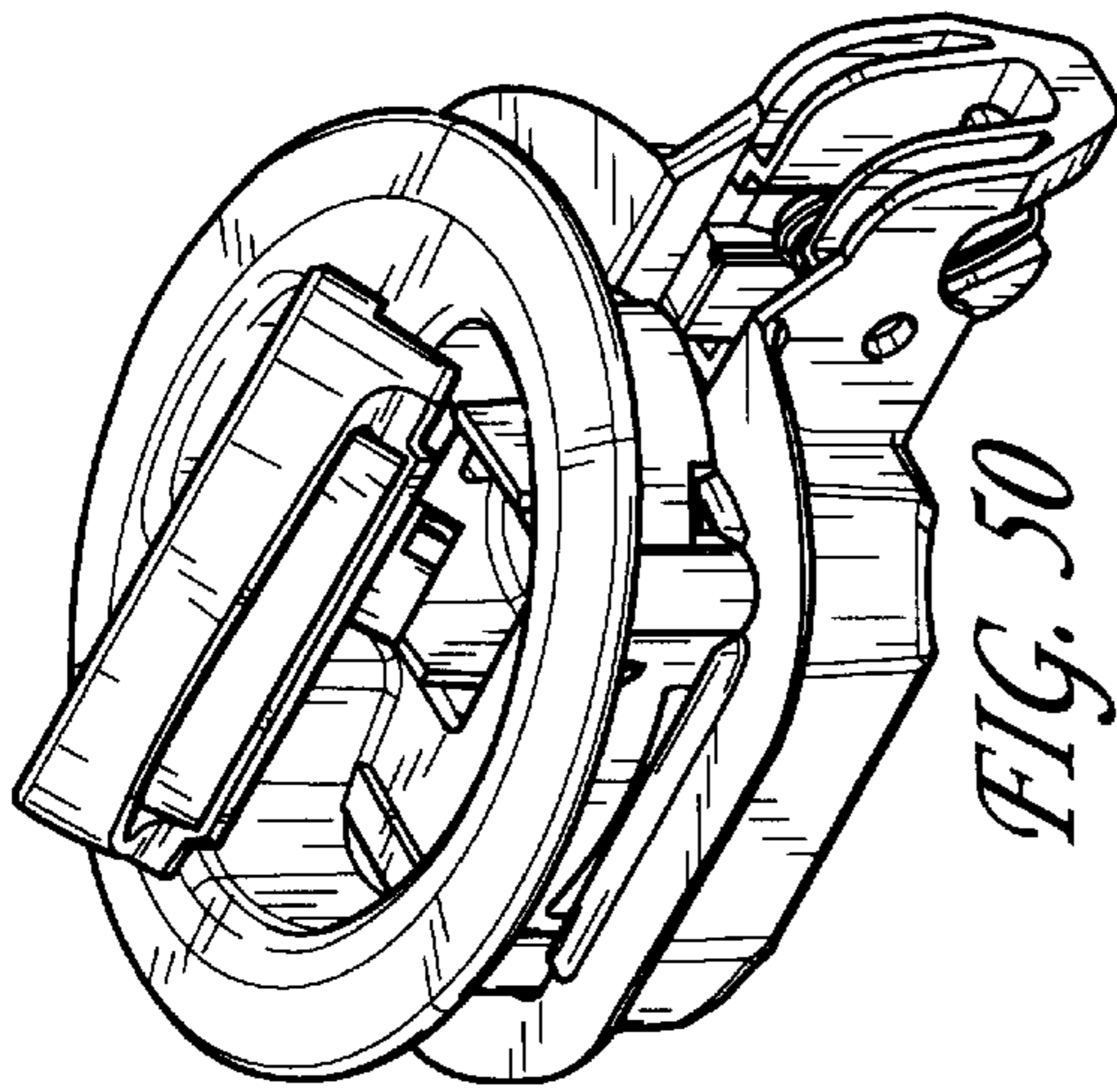
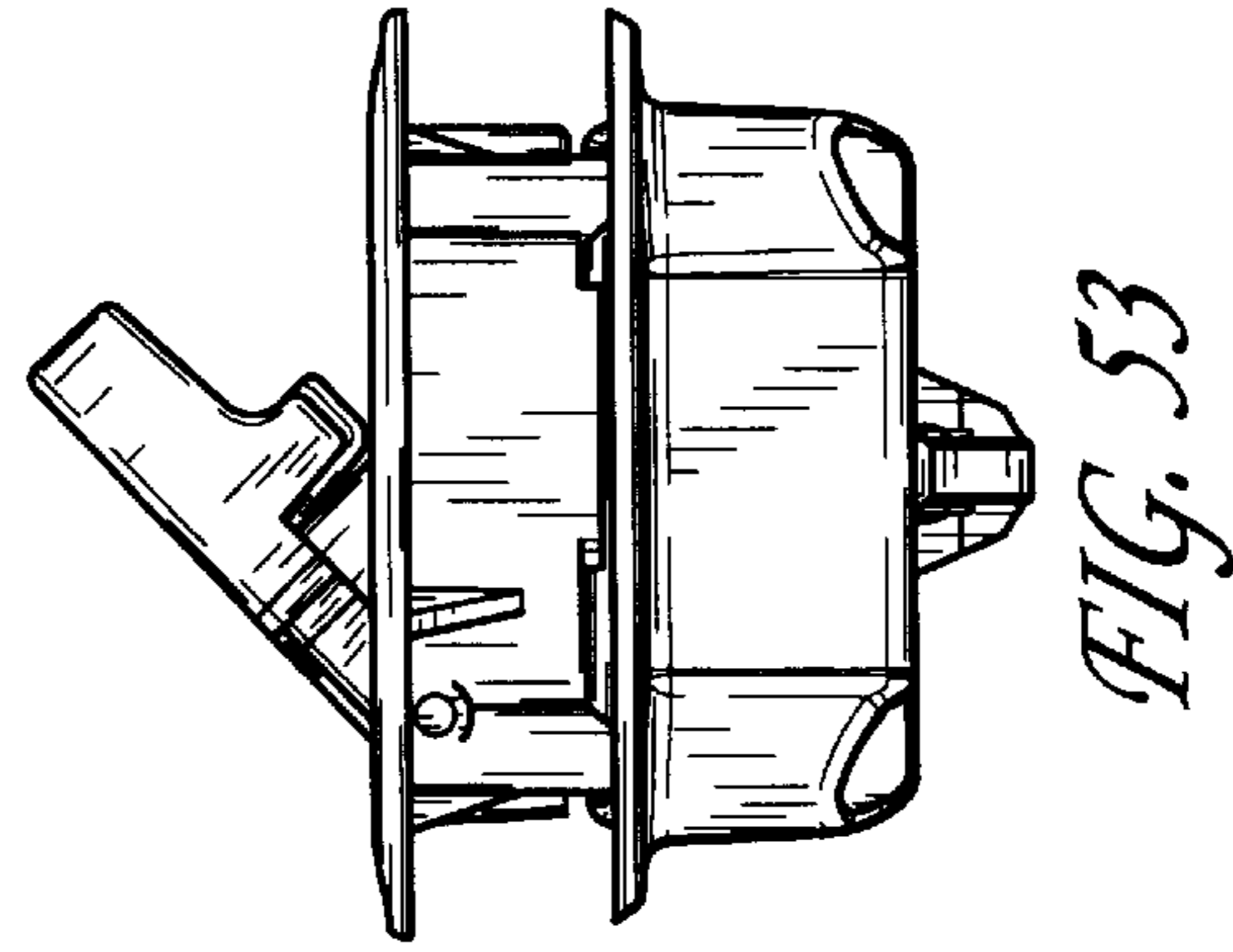
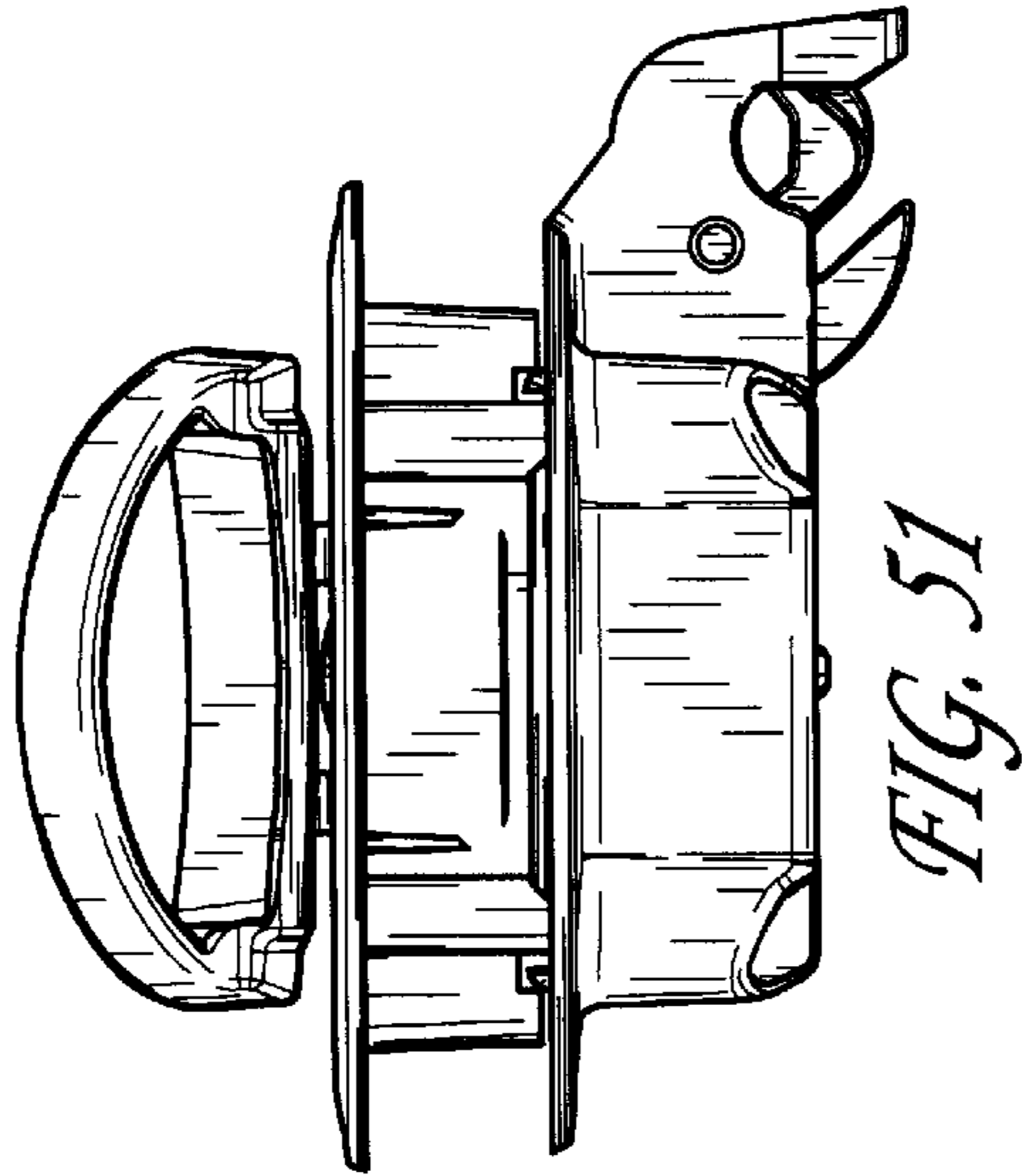


FIG. 48



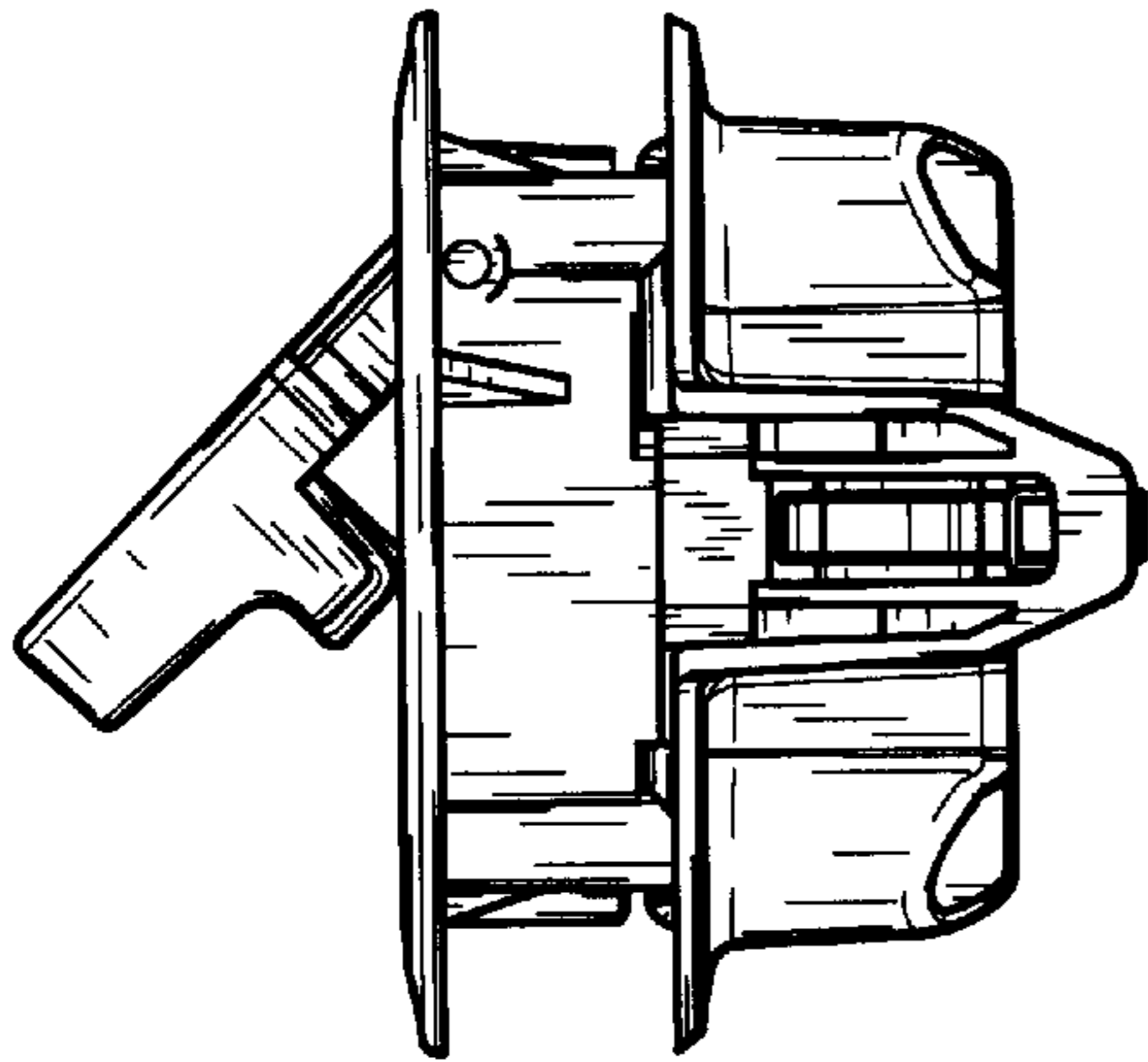


FIG. 54

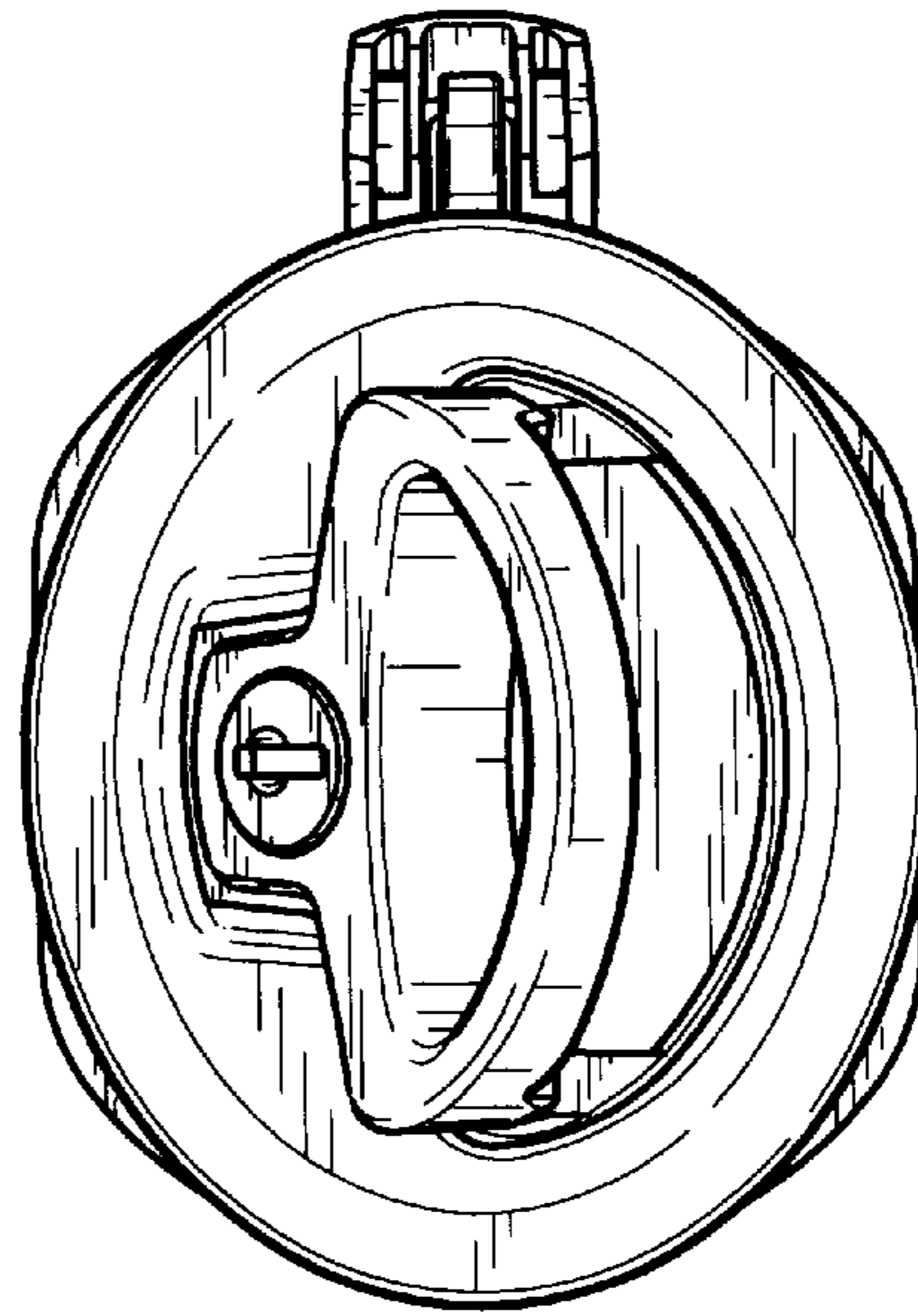


FIG. 55

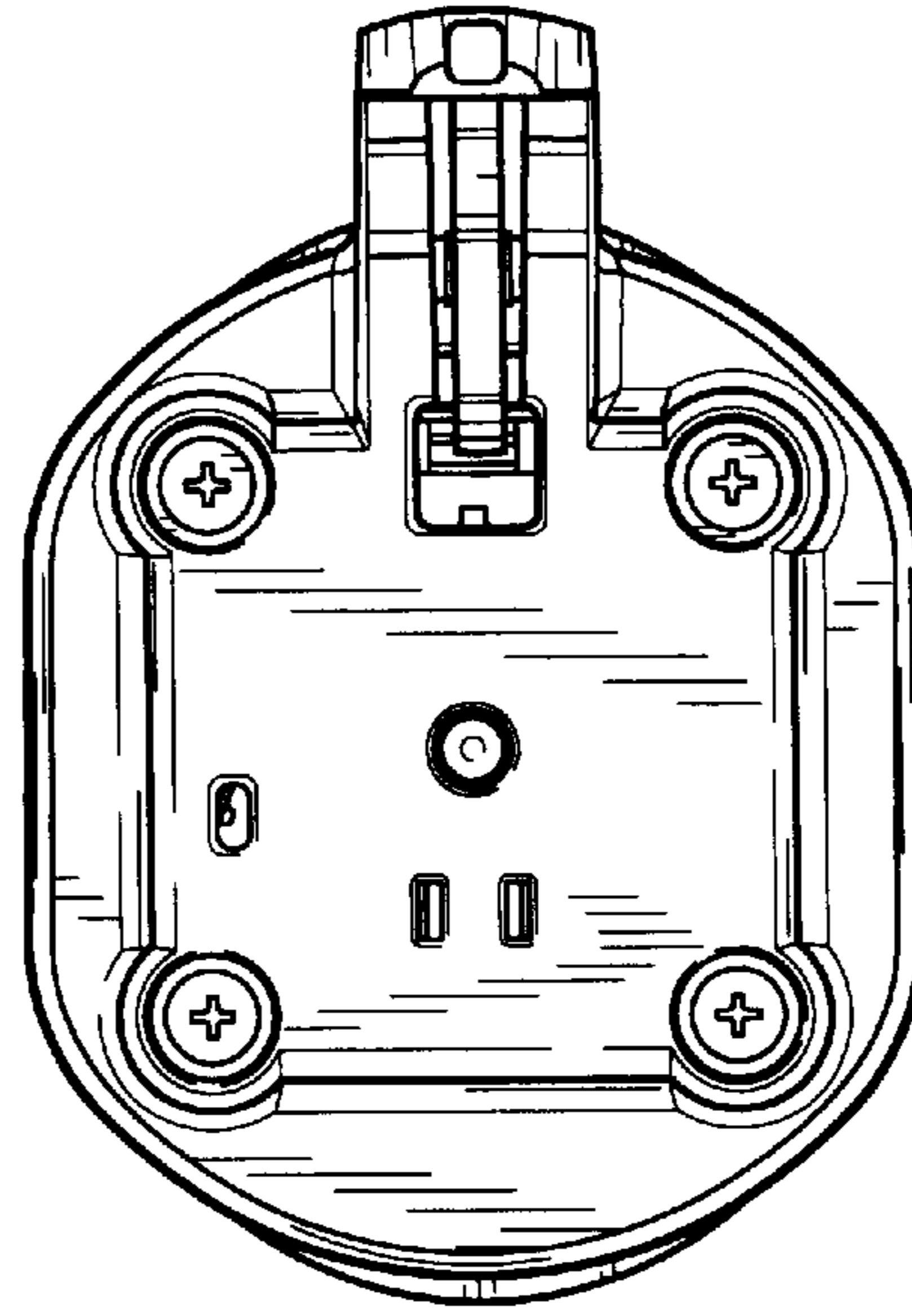


FIG. 56