



US00D662570S

(12) **United States Design Patent**
Anderson et al.

(10) **Patent No.:** **US D662,570 S**

(45) **Date of Patent:** **** Jun. 26, 2012**

(54) **PUMP END**

(75) Inventors: **Jason W. Anderson**, Howick (NZ); **Nils G. Johannessen**, Westmere (NZ); **Kay Lap Gilbert Chan**, McFarland, WI (US)

(73) Assignee: **Actuant Corporation**, Menomonee Falls, WI (US)

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

(21) Appl. No.: **29/387,845**

(22) Filed: **Mar. 18, 2011**

(51) **LOC (9) Cl.** **15-02**

(52) **U.S. Cl.** **D23/232; D15/7**

(58) **Field of Classification Search** D23/231,
D23/232; D34/31; D15/7; D8/107, 300,
D8/303, 315, 308; 16/110.1, 114.1; 417/234,
417/401, 535, 544; 222/389; 254/8 R
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D243,087	S	*	1/1977	Yeager	.....	D23/231
D257,878	S	*	1/1981	Schwartz	.....	D23/232
D270,912	S	*	10/1983	Sessody	.....	D15/7
4,671,746	A	*	6/1987	Sessody	.....	417/437
4,976,372	A	*	12/1990	Rogers, Jr.	.....	222/324
D323,018	S	*	1/1992	Coley	.....	D23/231
D323,876	S	*	2/1992	Furusawa	.....	D23/231
6,068,164	A	*	5/2000	Totaro	.....	222/389
D439,310	S	*	3/2001	Wang	.....	D23/231
D440,730	S	*	4/2001	Lu	.....	D34/31
D463,452	S	*	9/2002	Soderqvist	.....	D15/7
D485,149	S	*	1/2004	Sprouse	.....	D8/107
D499,427	S	*	12/2004	Wang	.....	D15/7
D520,522	S	*	5/2006	Bakker et al.	.....	D15/7

OTHER PUBLICATIONS

Enerpac—Actuant Corp.; Hydraulic Power for all Industrial Applications; catalog; copyright 2003; pp. 56-67.
Enerpac—Actuant Corp.; photograph of hand pump; undated.
BVA Hydraulics; photograph of hand pump; undated.

BVA Hydraulics; image of hand pump; undated.
SPX Power Team; two photographs of hand pump; undated.
SPX Power Team; image of hand pump; undated.
Simplex; image of hand pumps; undated.
Nike Hydraulics; two photographs of hand pump; undated.
Photograph of unidentified hand pump; undated.

* cited by examiner

Primary Examiner — Robin V Webster

(74) *Attorney, Agent, or Firm* — Quarles & Brady LLP

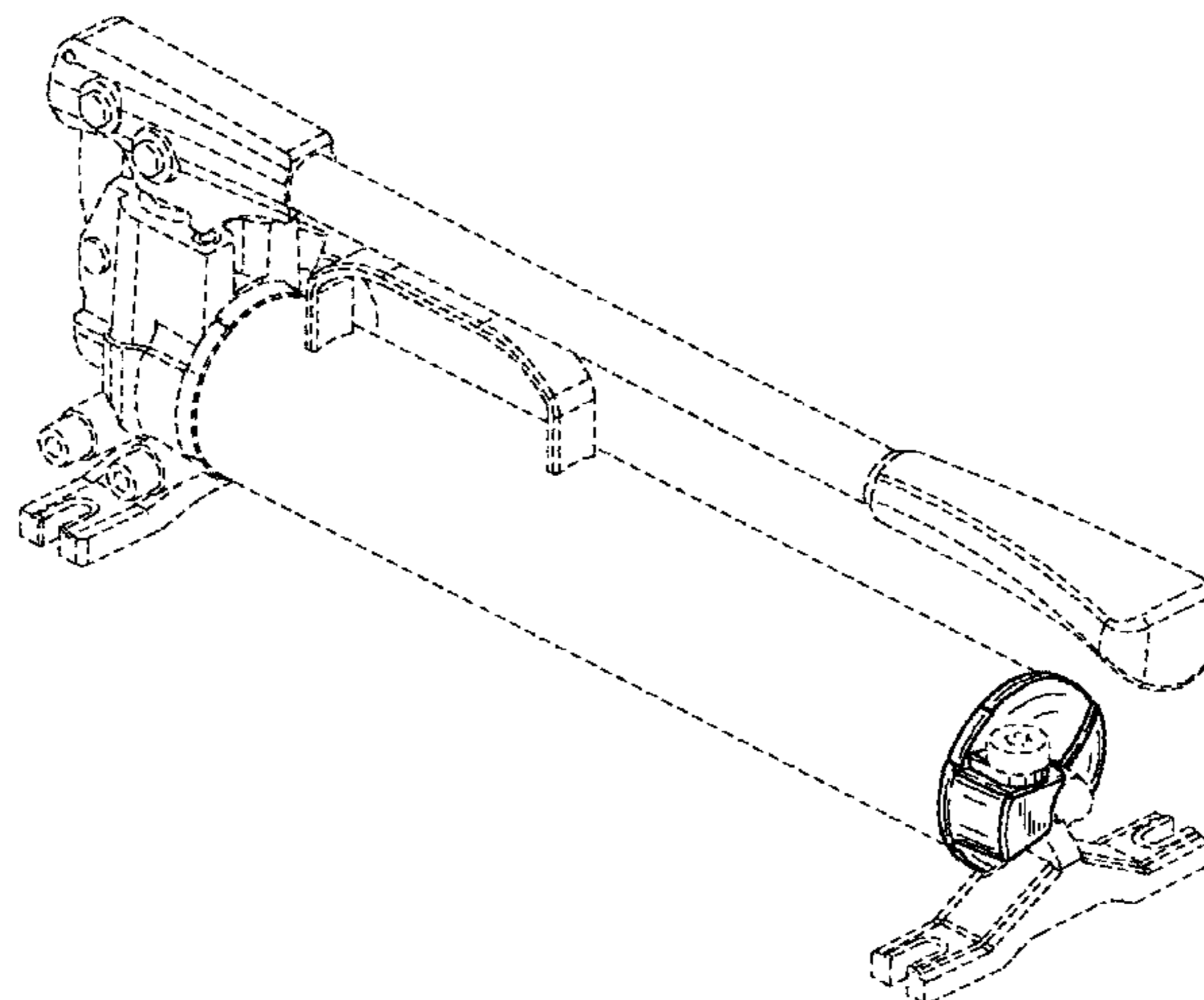
(57) **CLAIM**

The ornamental design for a pump end, as shown and described.

DESCRIPTION

FIG. 1 is a right, top, front perspective view of a pump end according to our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a right end elevational view thereof;
FIG. 5 is a top plan view thereof with handle environment shown broken away;
FIG. 6 is a right, top, front perspective view of a pump end according to another embodiment of our new design;
FIG. 7 is a front elevational view thereof;
FIG. 8 is a rear elevational view thereof;
FIG. 9 is a right end elevational view thereof;
FIG. 10 is a top plan view thereof with handle environment shown broken away;
FIG. 11 is a right, top, front perspective view of a pump end according to another embodiment of our new design;
FIG. 12 is a front elevational view thereof;
FIG. 13 is a rear elevational view thereof;
FIG. 14 is a right end elevational view thereof; and,
FIG. 15 is a top plan view thereof with handle environment shown broken away.
The broken line representations in the figures are for the purpose of illustrating unclaimed environment. The broken lines are thus not part of the claim.

1 Claim, 15 Drawing Sheets



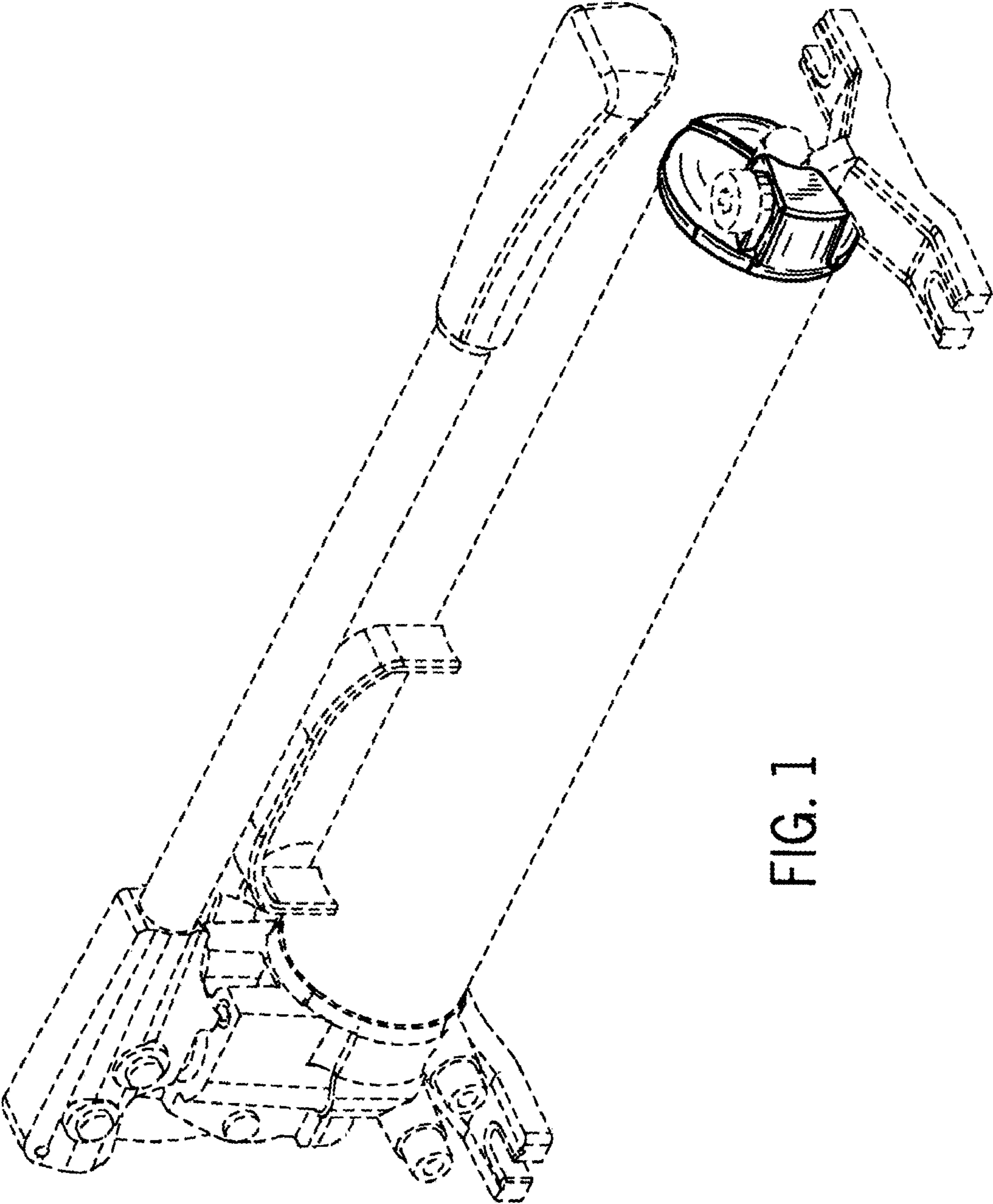


FIG. 1

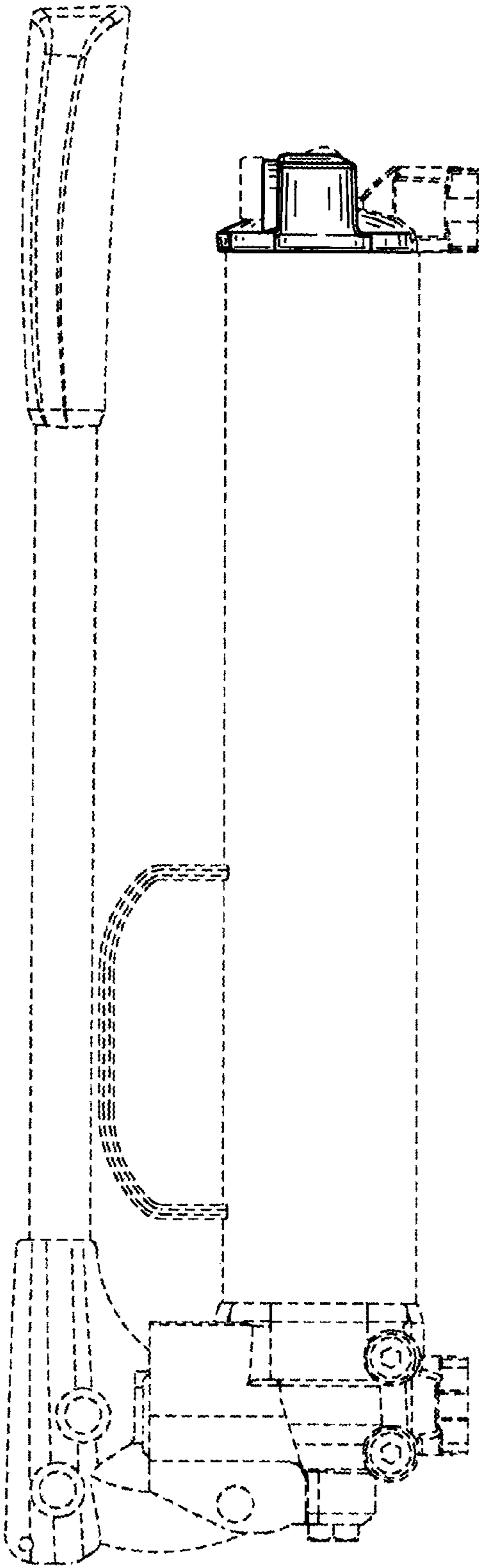


FIG. 2

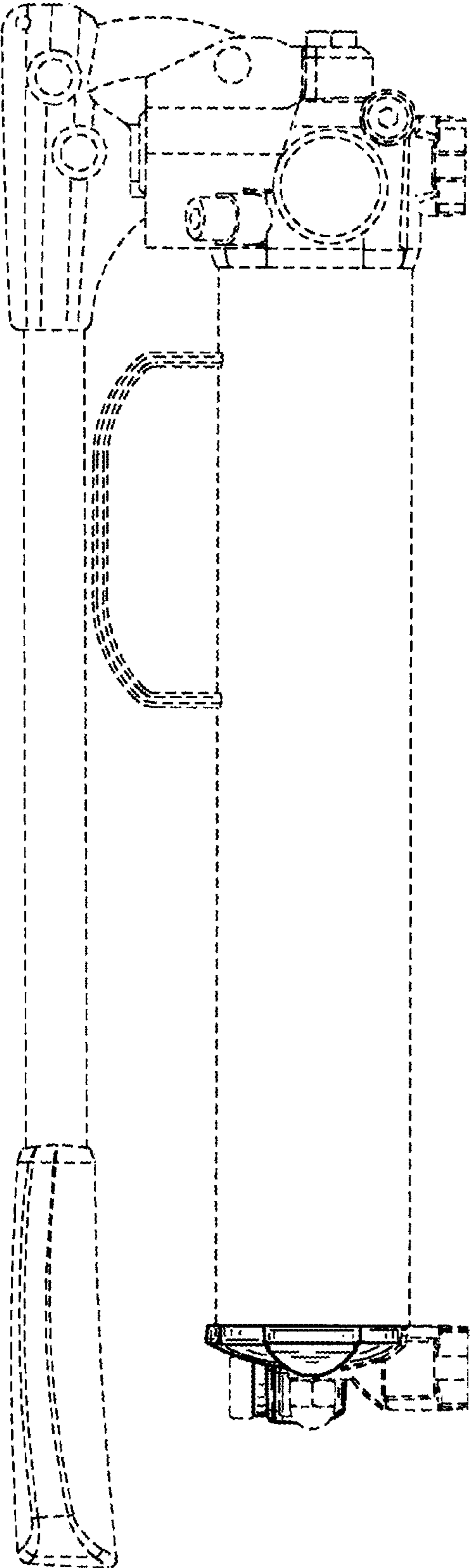


FIG. 3

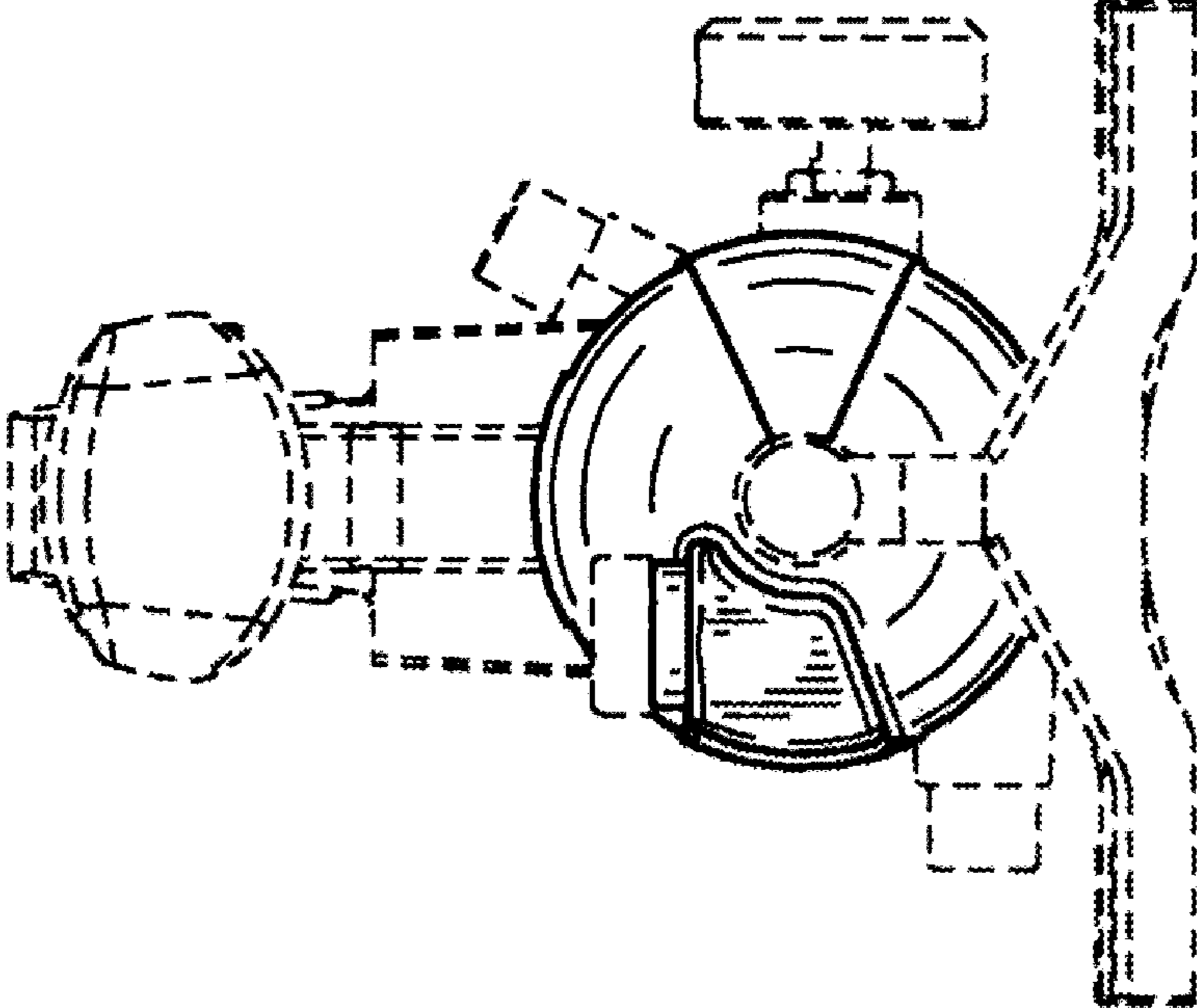


FIG. 4

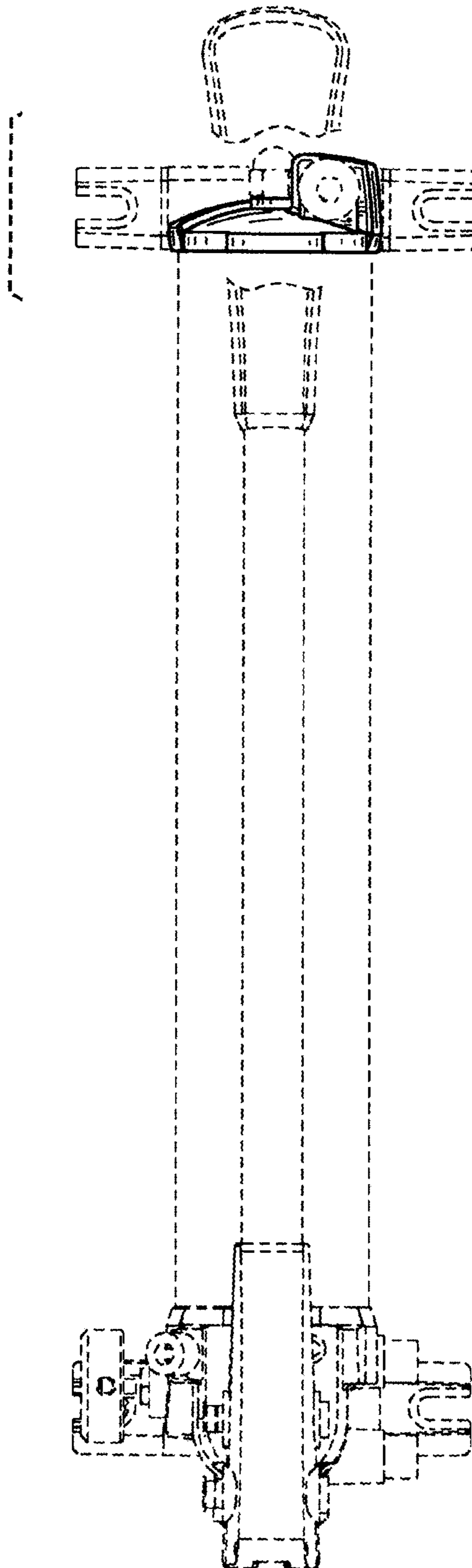


FIG. 5

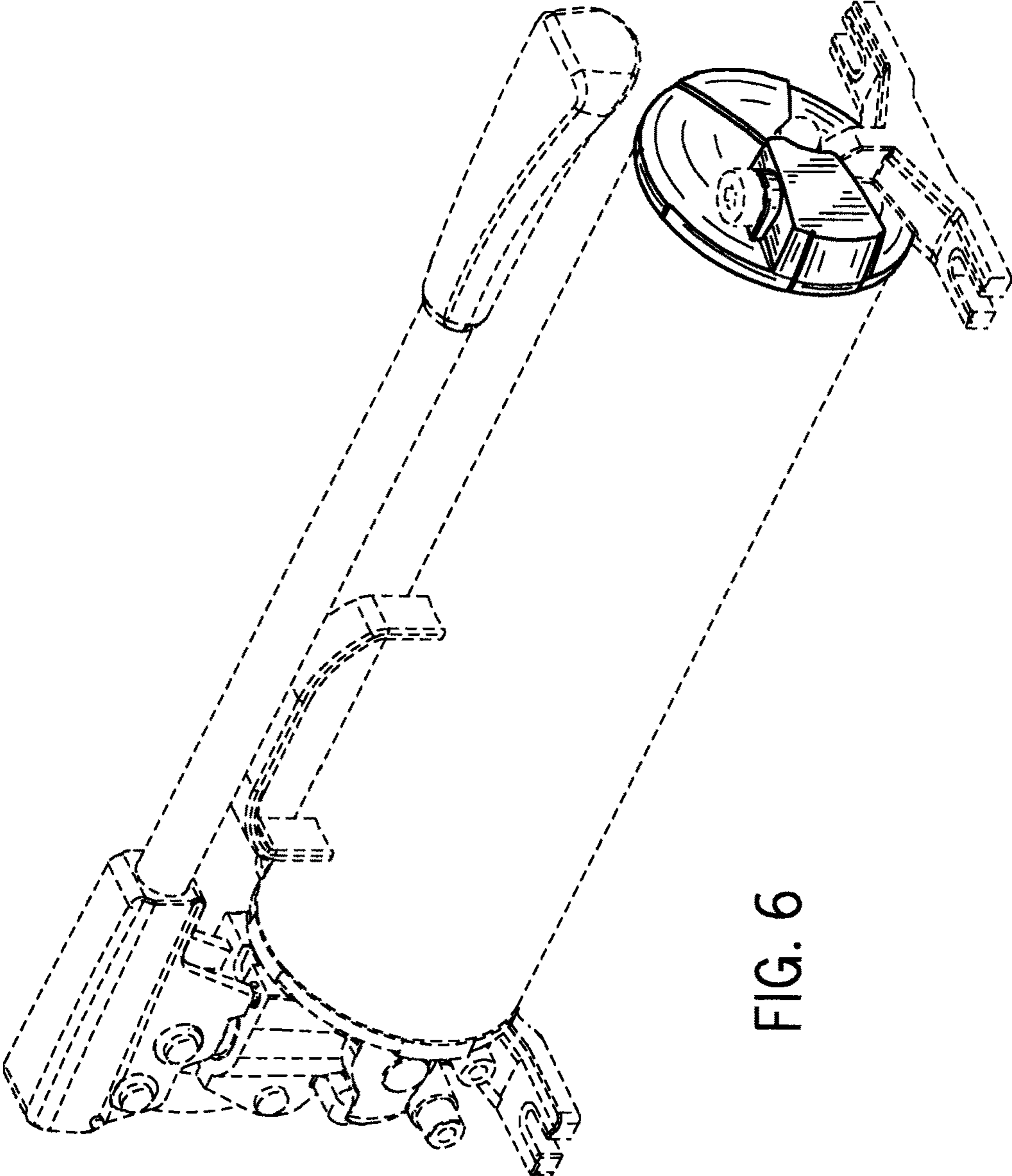


FIG. 6

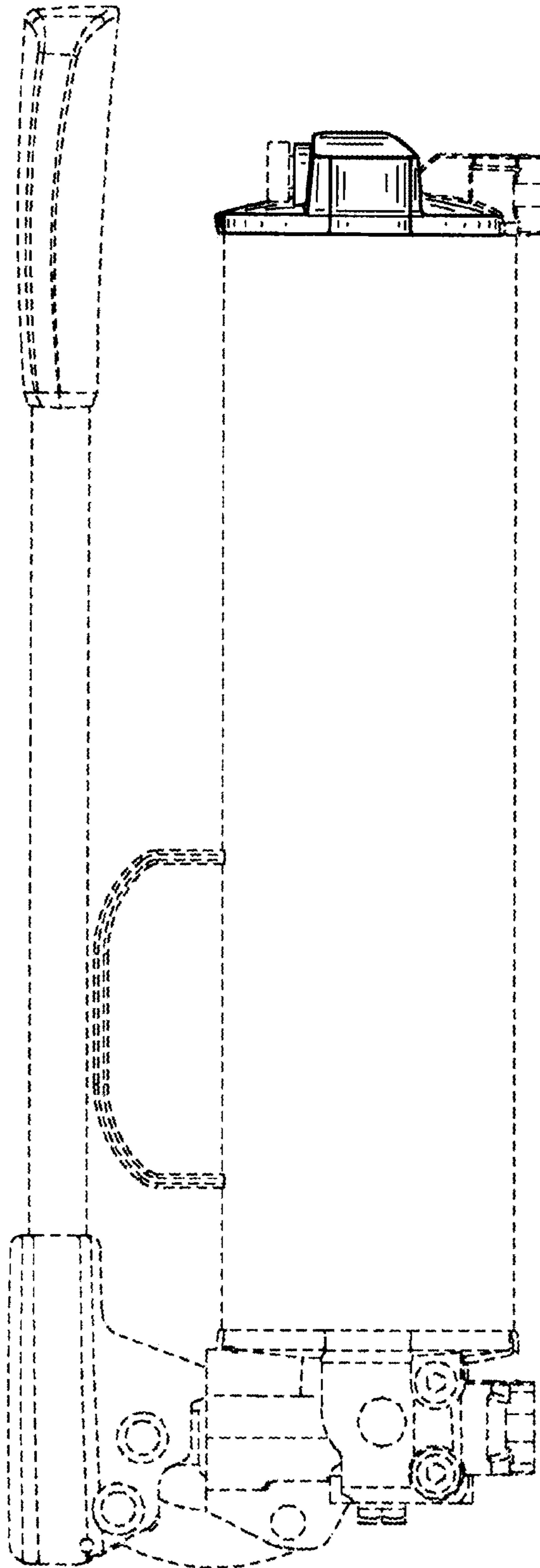


FIG. 7

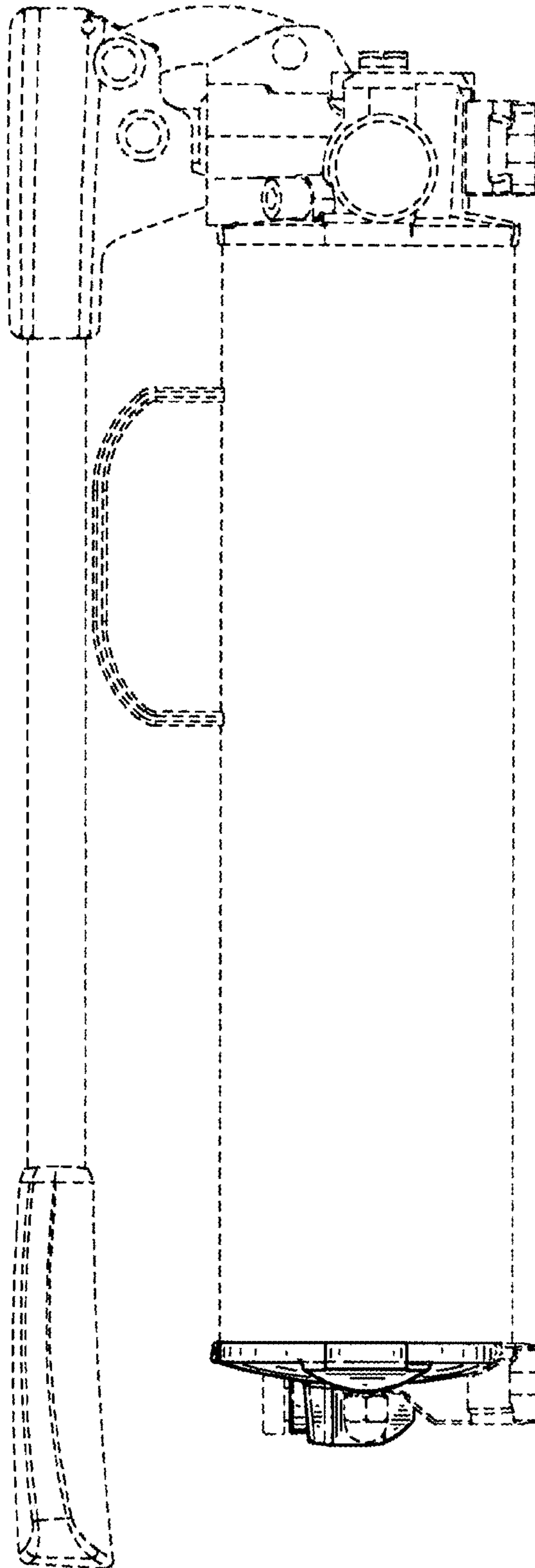


FIG. 8

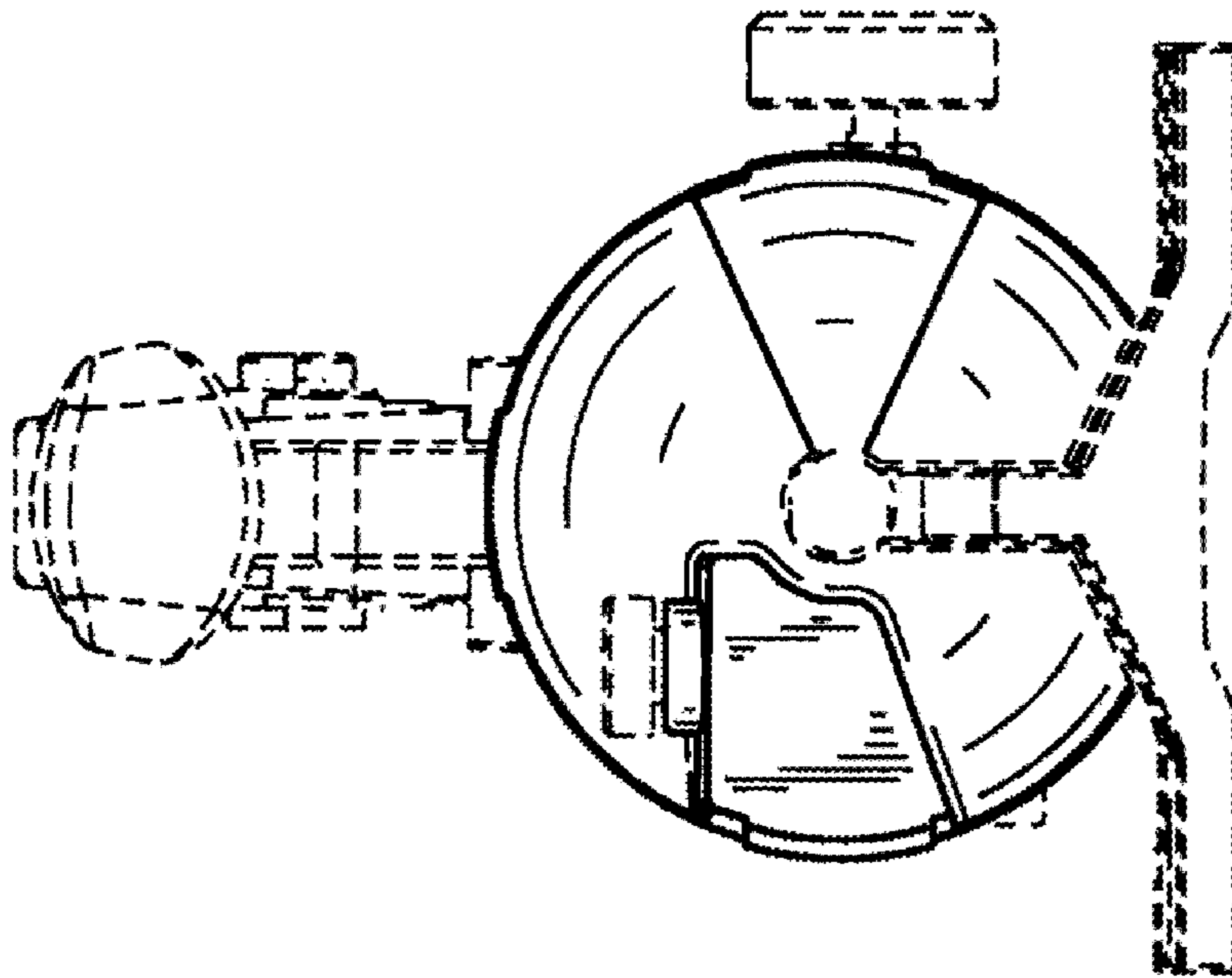


FIG. 9

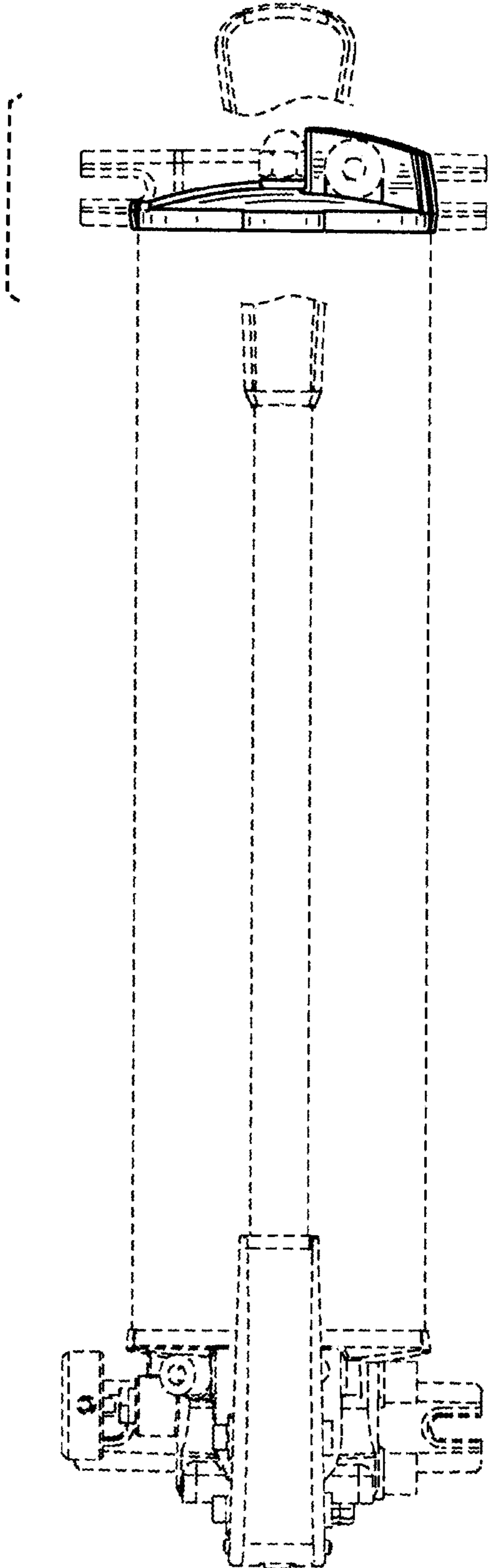


FIG. 10

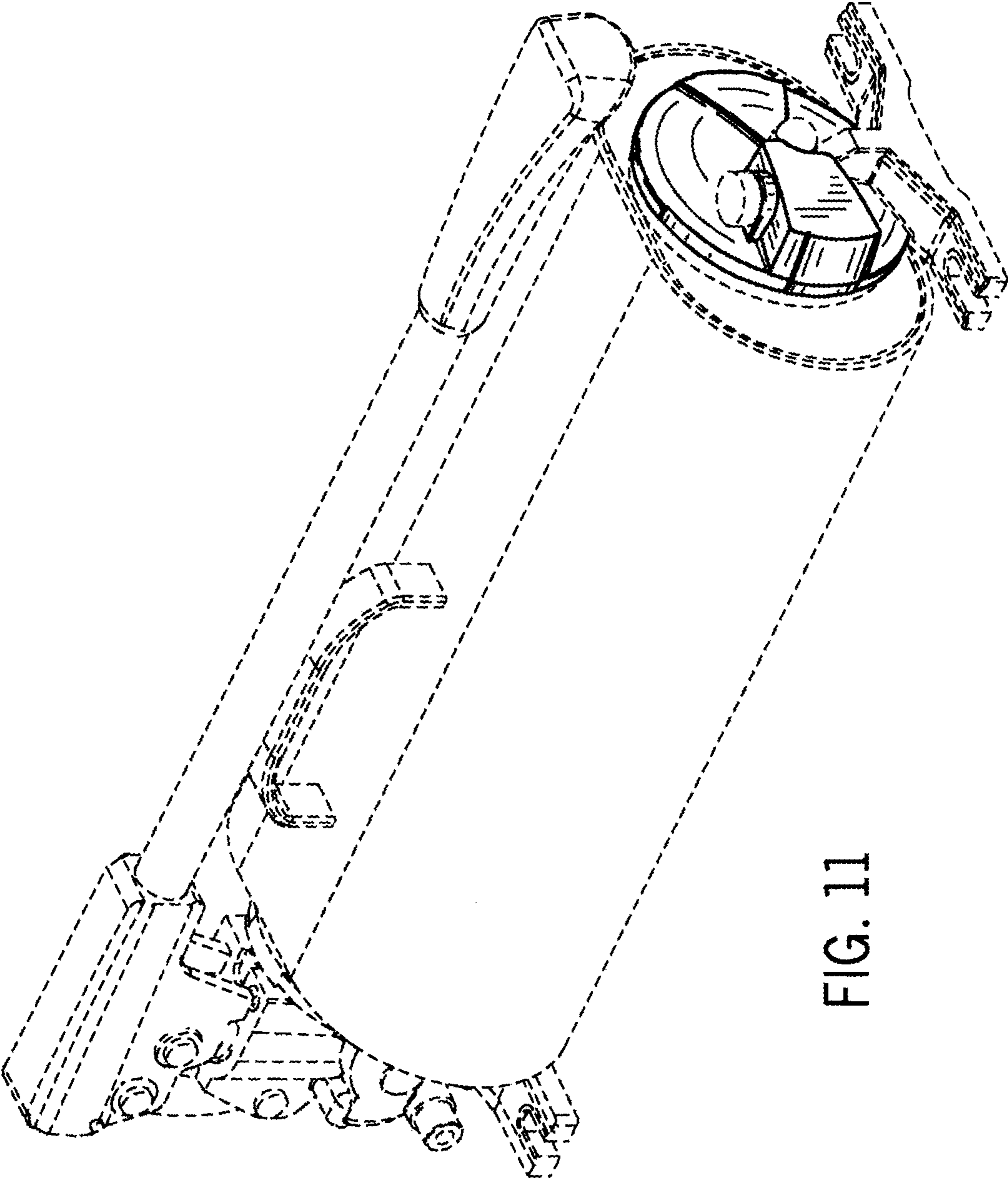


FIG. 11

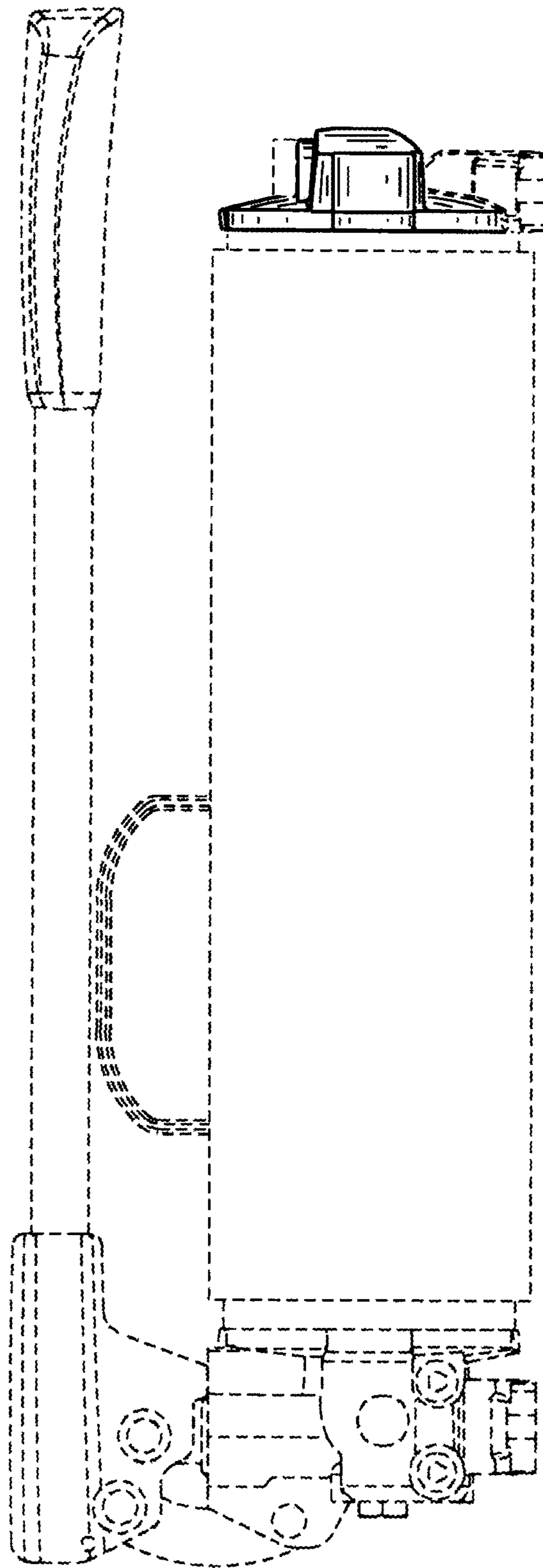


FIG. 12

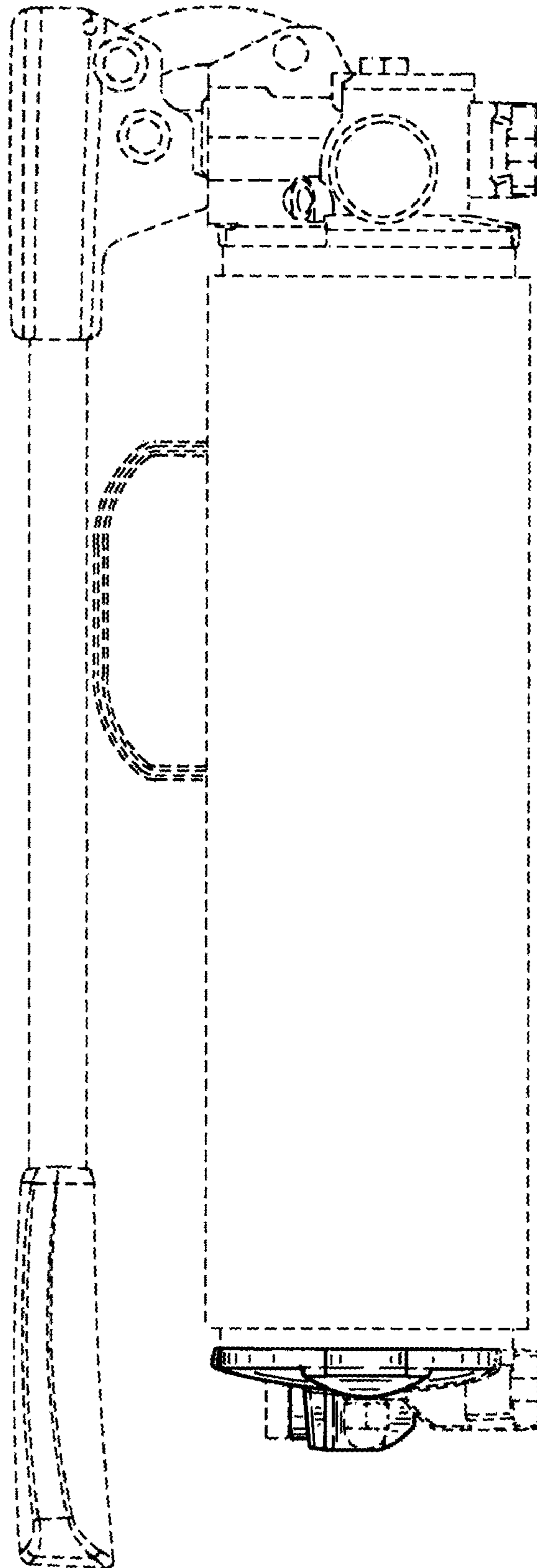


FIG. 13

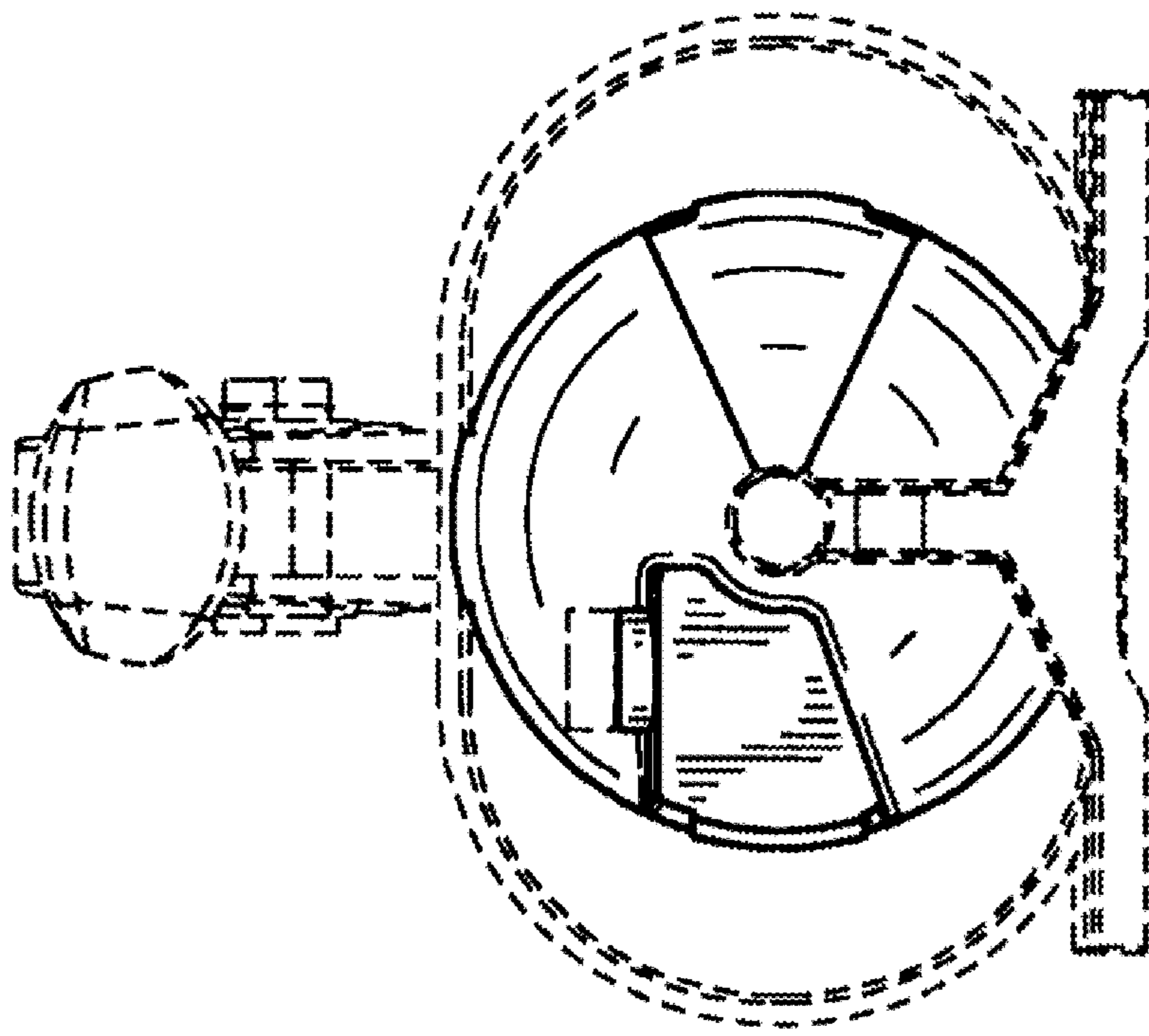


FIG. 14

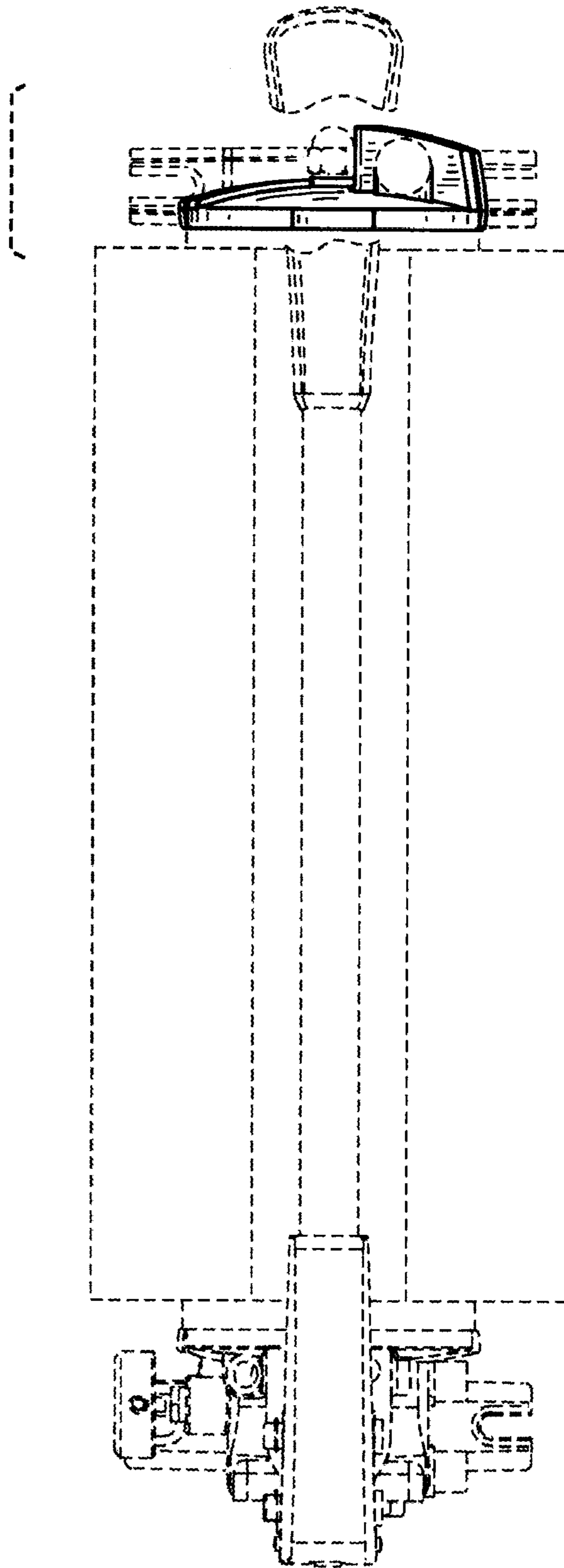


FIG. 15