



US00D765045S

(12) **United States Design Patent** (10) **Patent No.:** **US D765,045 S**
Oneufer et al. (45) **Date of Patent:** **** *Aug. 30, 2016**

- (54) **SWITCH HANDLE FOR CIRCUIT BREAKERS**
- (71) Applicant: **Eaton Corporation**, Cleveland, OH (US)
- (72) Inventors: **Stephen William Oneufer**, Fayetteville, NC (US); **Edgar Yee**, Chapel Hill, NC (US); **Robert Allan Morris**, Fayetteville, NC (US); **Daniel Boyd Kroushl**, Clayton, NC (US)
- (73) Assignee: **Eaton Corporation**, Cleveland, OH (US)
- (*) Notice: This patent is subject to a terminal disclaimer.
- (**) Term: **14 Years**
- (21) Appl. No.: **29/506,531**
- (22) Filed: **Oct. 16, 2014**
- Related U.S. Application Data**
- (63) Continuation-in-part of application No. 29/485,867, filed on Mar. 24, 2014, now Pat. No. Des. 750,577.
- (51) **LOC (10) Cl.** **13-03**
- (52) **U.S. Cl.**
USPC **D13/174**
- (58) **Field of Classification Search**
USPC D13/160, 174
CPC G05G 1/04; G05G 1/08; H01H 3/08; H01H 9/02; H01H 9/182; H01H 9/22; H01H 9/282; H01H 71/04; H01H 71/46; H01H 71/56; H01H 71/501
See application file for complete search history.

D297,726	S	9/1988	Araki
4,851,621	A	7/1989	Borchardt et al.
D349,101	S	7/1994	Schaeffer
5,493,083	A	2/1996	Olivier
5,634,553	A	6/1997	Hopper et al.
5,687,834	A	11/1997	Simon et al.
D404,014	S	1/1999	Barnard et al.
5,910,760	A	6/1999	Malingowski et al.
6,194,983	B1	2/2001	Bogdon et al.
D438,846	S	3/2001	Bonn
6,423,912	B1	7/2002	Arenz et al.
6,518,526	B2	2/2003	Hamada et al.
6,596,952	B1	7/2003	Degrazia et al.
6,767,104	B2	7/2004	Worrell
6,797,903	B1	9/2004	Winslett et al.
6,903,289	B2	6/2005	Tongo
6,969,813	B1	11/2005	Winslett et al.
7,002,088	B2	2/2006	Shin
7,186,933	B2	3/2007	Turner
7,214,895	B2	5/2007	Houck et al.
7,238,903	B2	7/2007	Fischer
D559,206	S	1/2008	Neveu
7,399,934	B2	7/2008	Emura et al.
7,420,133	B2	9/2008	Farrow et al.
D580,880	S	11/2008	Lifran
D606,026	S	12/2009	Azzola et al.
D635,104	S	3/2011	Louise et al.
D641,711	S	7/2011	Azzola et al.
8,642,903	B2	2/2014	Sadowski et al.
2007/0272526	A1	11/2007	Ishido et al.
2009/0167468	A1	7/2009	Dauer et al.
2010/0032278	A1	2/2010	Lin
2010/0294632	A1	11/2010	Reddering et al.
2013/0056340	A1	3/2013	Serpinet et al.
2013/0077210	A1	3/2013	Morris
2014/0238829	A1	8/2014	Takatsu et al.
2014/0326585	A1	11/2014	Reinhart et al.
2015/0008108	A1	1/2015	Wu et al.
2015/0053537	A1	2/2015	Manahan
2015/0103472	A1	4/2015	Oneufer et al.
2015/0221459	A1	8/2015	Oneufer

(56) **References Cited**
U.S. PATENT DOCUMENTS

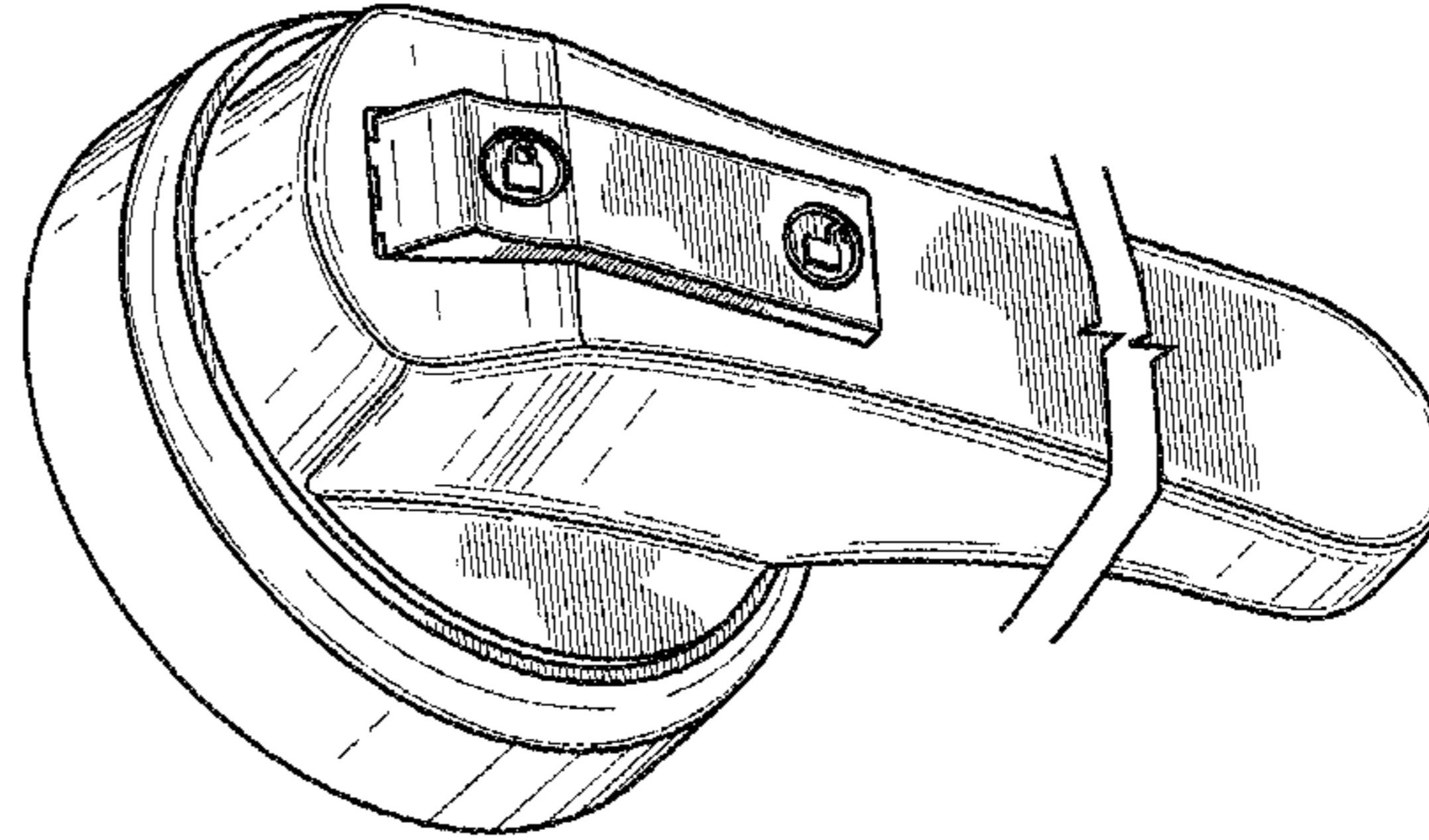
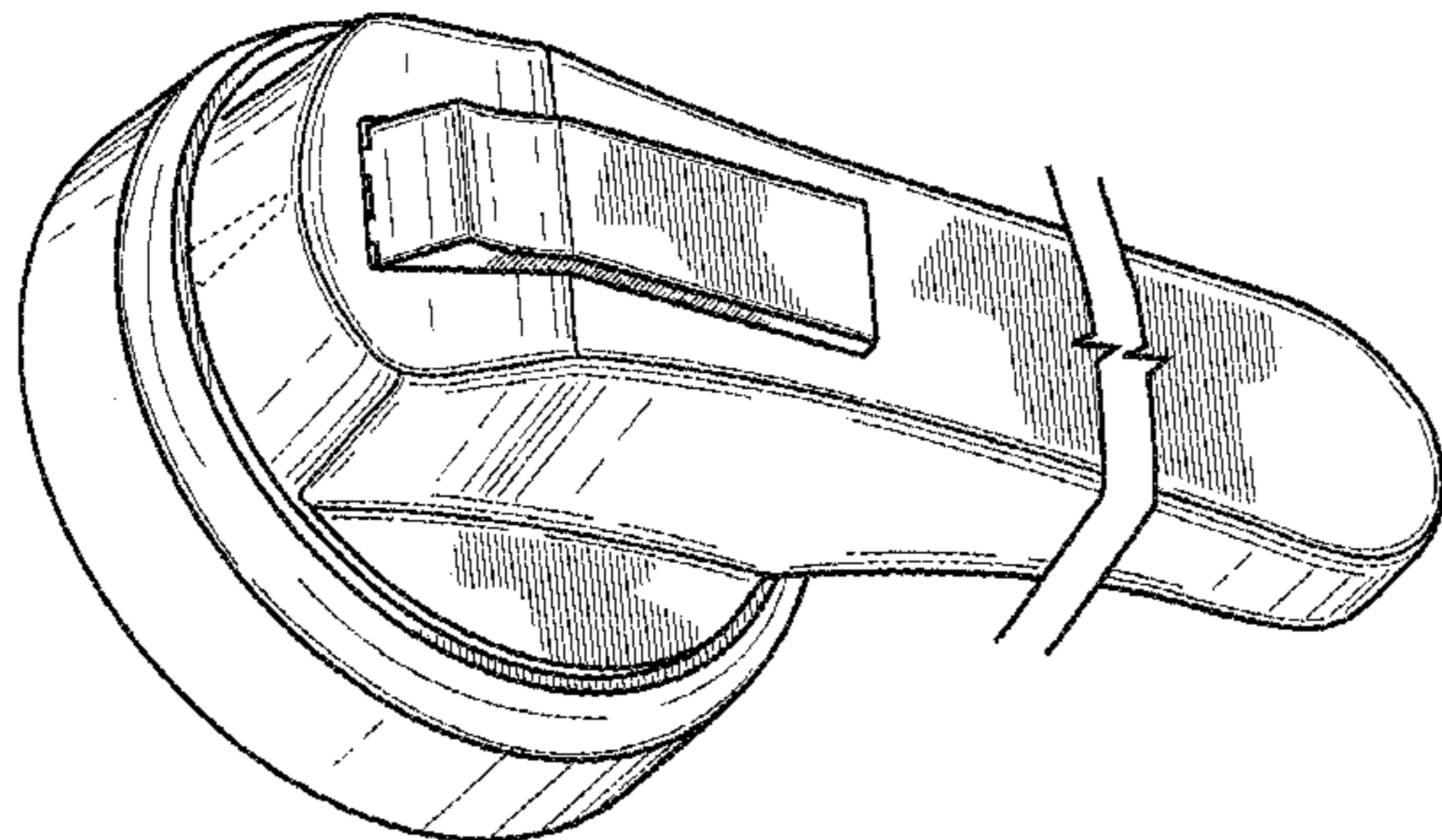
3,155,786	A	11/1964	Stegmaier
4,024,441	A	5/1977	Coyle et al.
4,503,408	A	3/1985	Mrenna et al.
4,612,424	A	9/1986	Clark et al.

FOREIGN PATENT DOCUMENTS

EP	2393092	12/2011
WO	WO2011/012806	2/2011

OTHER PUBLICATIONS

Product Brochure, Rotary handles, Molded-case circuit breakers, Eaton, Jun. 2013, 2 pages.
 Chilean Office Action for related Chilean application No. 2014-003378, dated Oct. 22, 2015, 6 pages.



Chilean Office Action for related Chilean application No. 2014-003379, dated Oct. 22, 2015, 6 pages.

OHIM, Design Certificate of Registration, Registration No. 001420533-0001, Registered Sep. 10, 2014, 9 pages.

OHIM, Design Certificate of Registration, Registration No. 001420533-0002, Registered Sep. 10, 2014, 9 pages.

OHIM, Design Certificate of Registration, Registration No. 001420533-0003, Registered Sep. 10, 2014, 9 pages.

OHIM, Design Certificate of Registration, Registration No. 001420533-0004, Registered Sep. 10, 2014, 9 pages.

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Myers Bigel & Sibley, P.A.

(57) **CLAIM**

The ornamental design for a switch handle for circuit breakers, as shown and described.

DESCRIPTION

FIG. 1 is a front, side perspective view of a first embodiment of the switch handle for circuit breakers showing our design;

FIG. 2 is a rear, side perspective view thereof;

FIG. 3 is a top view thereof (the bottom view is disclaimed);

FIG. 4 is a side view thereof;

FIG. 5 is a side view opposite that shown in FIG. 4;

FIG. 6 is a rear view taken at 90 degrees from the view shown in FIG. 5;

FIG. 7 is a front view opposite that shown in FIG. 6;

FIG. 8 is a front, side perspective view of the switch handle for circuit breakers of FIGS. 1-7, shown in an exemplary environmental view on a respective door of a unit of a circuit breaker;

FIG. 9 is a front, side perspective view of the switch handle for circuit breakers of FIGS. 1-7, shown in another exemplary environmental view on a door of a unit of a circuit breaker;

FIG. 10 is a front, side perspective view of the switch handle for circuit breakers shown in FIGS. 1-7, illustrated in an extended lever configuration;

FIG. 11 is a rear, side perspective view thereof;

FIG. 12 is a top view thereof (the bottom view is disclaimed);

FIG. 13 is a side view thereof;

FIG. 14 is a side view opposite that shown in FIG. 13;

FIG. 15 is a rear view taken at 90 degrees from the view shown in FIG. 14;

FIG. 16 is a front view opposite that shown in FIG. 15;

FIG. 17 is a front, side perspective view of the switch handle for circuit breakers of FIGS. 11-16, with the extended lever shown in an exemplary environmental view on a respective door of a unit of a circuit breaker in an exemplary extended lever orientation;

FIG. 18 is a front, side perspective view of the switch handle for circuit breakers of FIGS. 11-16 with the extended lever shown in another exemplary environmental view on a door of a unit of a circuit breaker;

FIG. 19 is a front, side perspective view of a second embodiment of the switch handle for circuit breakers showing our design;

FIG. 20 is rear, side perspective view thereof;

FIG. 21 is a top view thereof (the bottom view is disclaimed);

FIG. 22 is a side view thereof;

FIG. 23 is a side view opposite that shown in FIG. 22;

FIG. 24 is a rear view taken at 90 degrees from the view shown in FIG. 23;

FIG. 25 is a front view opposite that shown in FIG. 24;

FIG. 26 is a front, side perspective view of the switch handle for circuit breakers of FIG. 19 shown in an exemplary environmental view on a respective door of a unit of a circuit breaker;

FIG. 27 is a front, side perspective view of the switch handle for circuit breakers of FIG. 19 shown in another exemplary environmental view on a door of a unit of a circuit breaker;

FIG. 28 is a front, side perspective view of the switch handle for circuit breakers shown in FIG. 19-27, illustrated in an extended lever configuration;

FIG. 29 is a rear, side perspective view thereof;

FIG. 30 is a top view thereof (the bottom view is disclaimed);

FIG. 31 is a side view thereof;

FIG. 32 is a side view opposite that shown in FIG. 31;

FIG. 33 is a rear view taken at 90 degrees from the view shown in FIG. 32;

FIG. 34 is a front view opposite that shown in FIG. 33;

FIG. 35 is a front, side perspective view of the switch handle for circuit breakers of FIG. 19, with the extended lever shown in an exemplary environmental view on a respective door of a unit of a circuit breaker in an exemplary extended lever orientation; and,

FIG. 36 is a front, side perspective view of the switch handle for circuit breakers of FIG. 19, with the extended lever shown in another exemplary environmental view on a door of a unit of a circuit breaker.

The switch handle is shown broken away in the drawing views to indicate indeterminate length, it being understood that it has a uniform shape and appearance through its length. The broken lines shown herein are for illustrative purposes only and form no part of the claimed design.

1 Claim, 20 Drawing Sheets

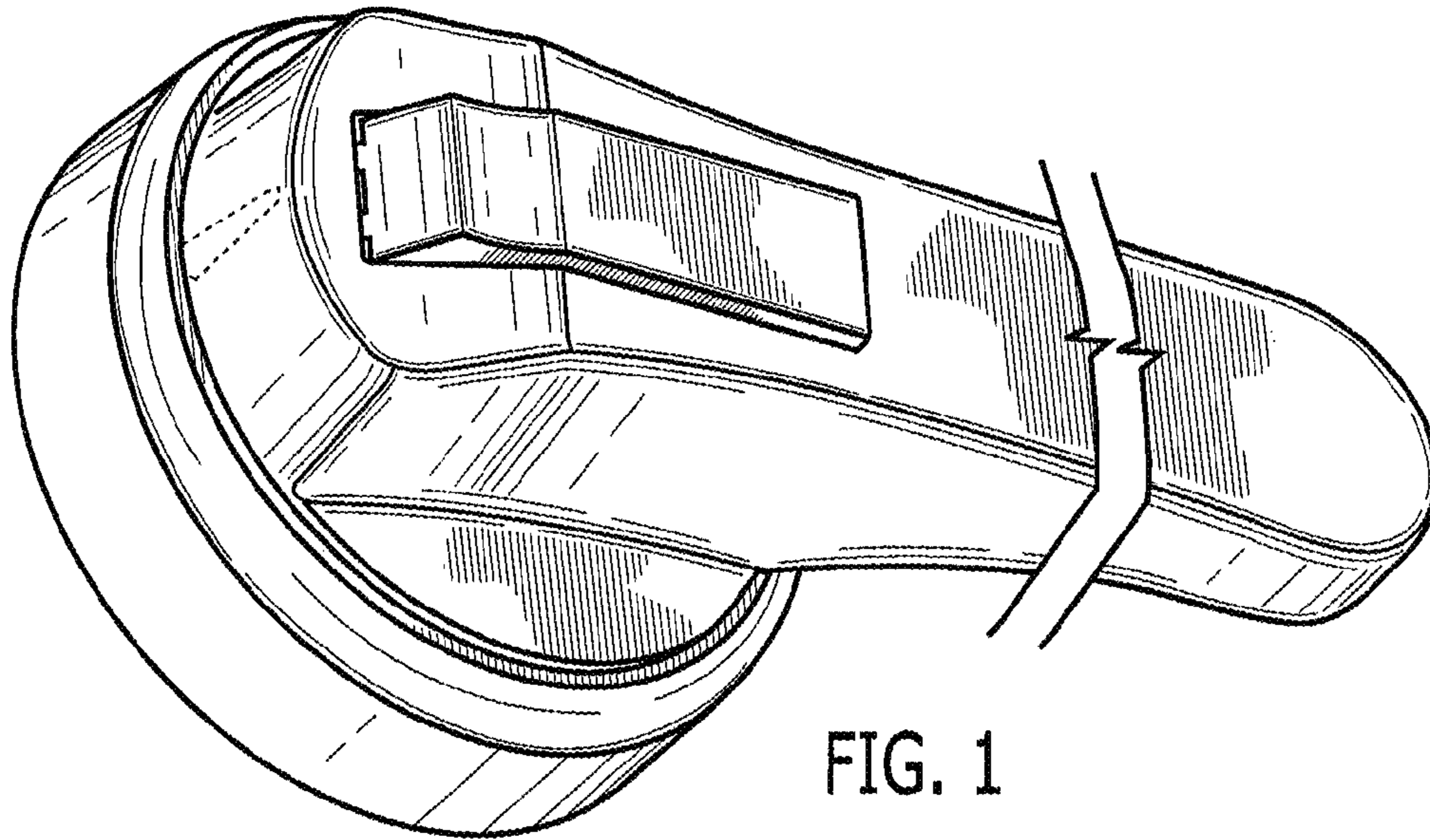


FIG. 1

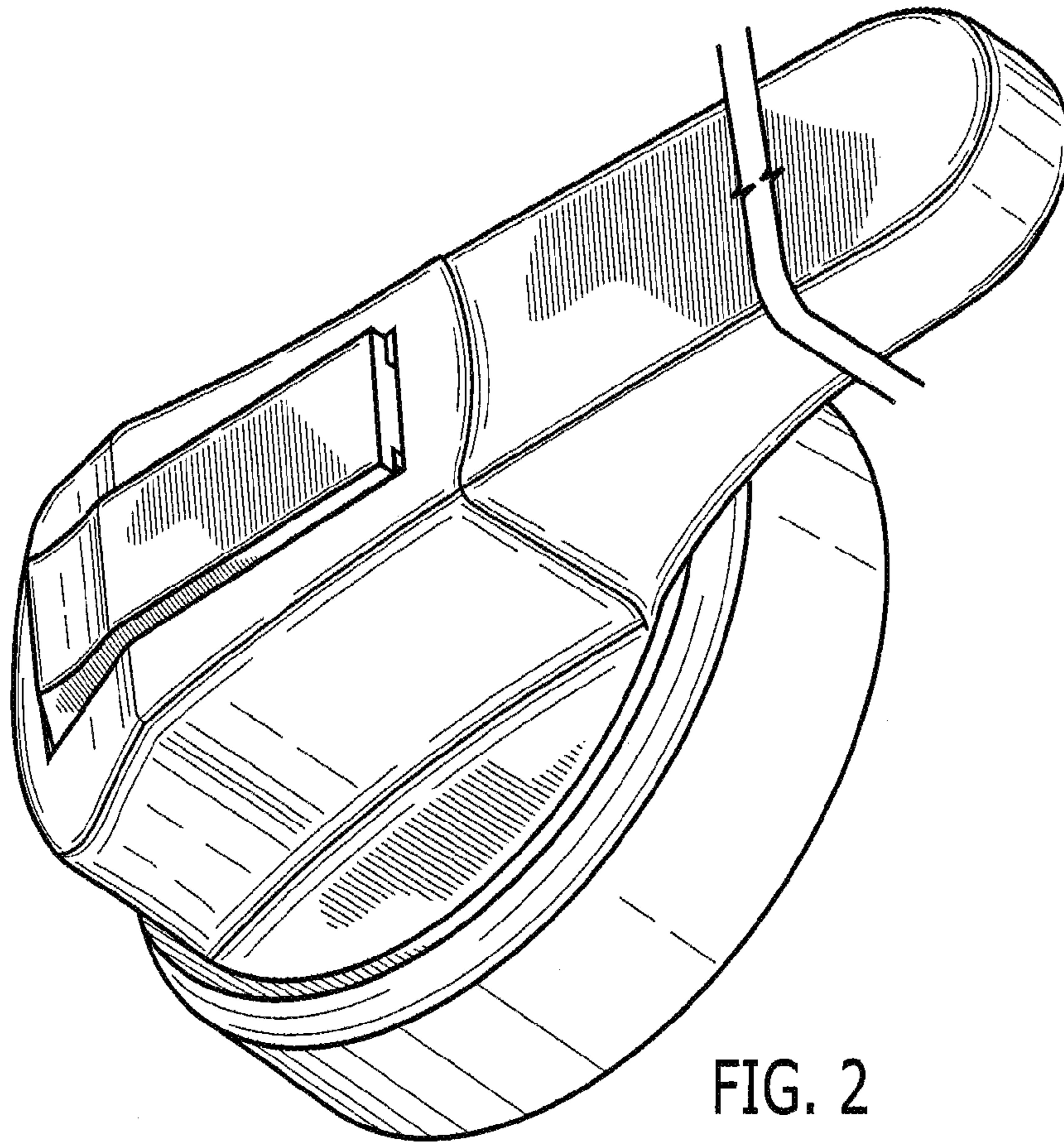


FIG. 2

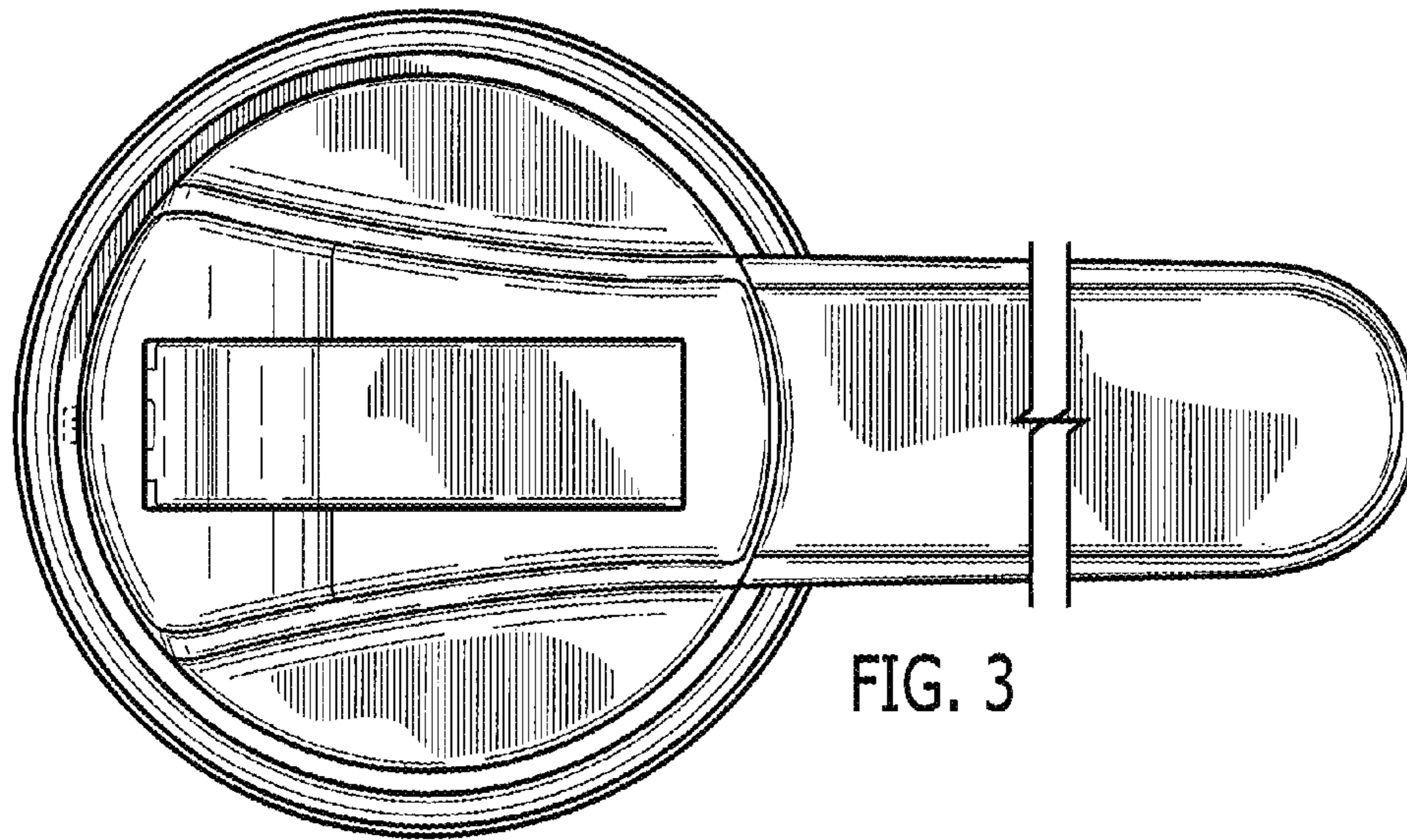


FIG. 3

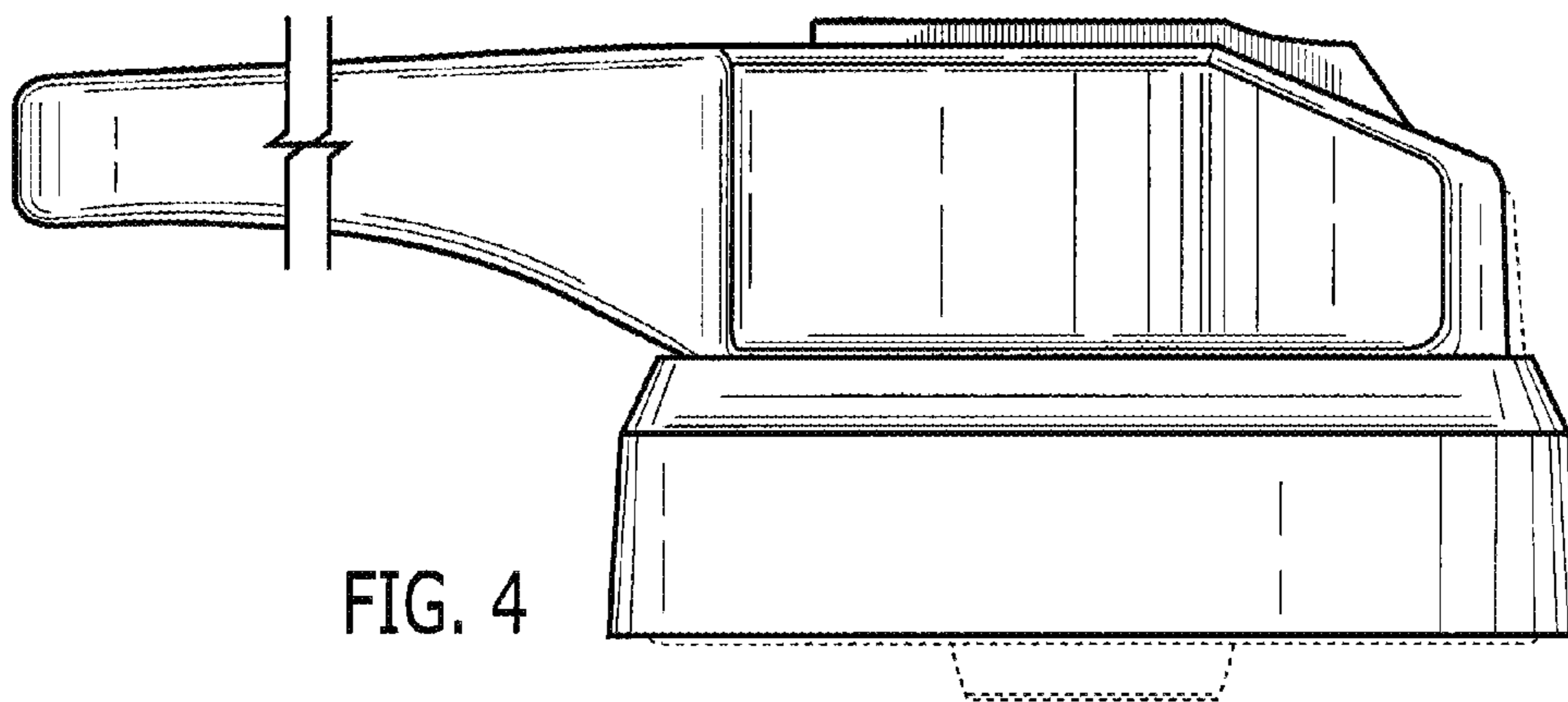


FIG. 4

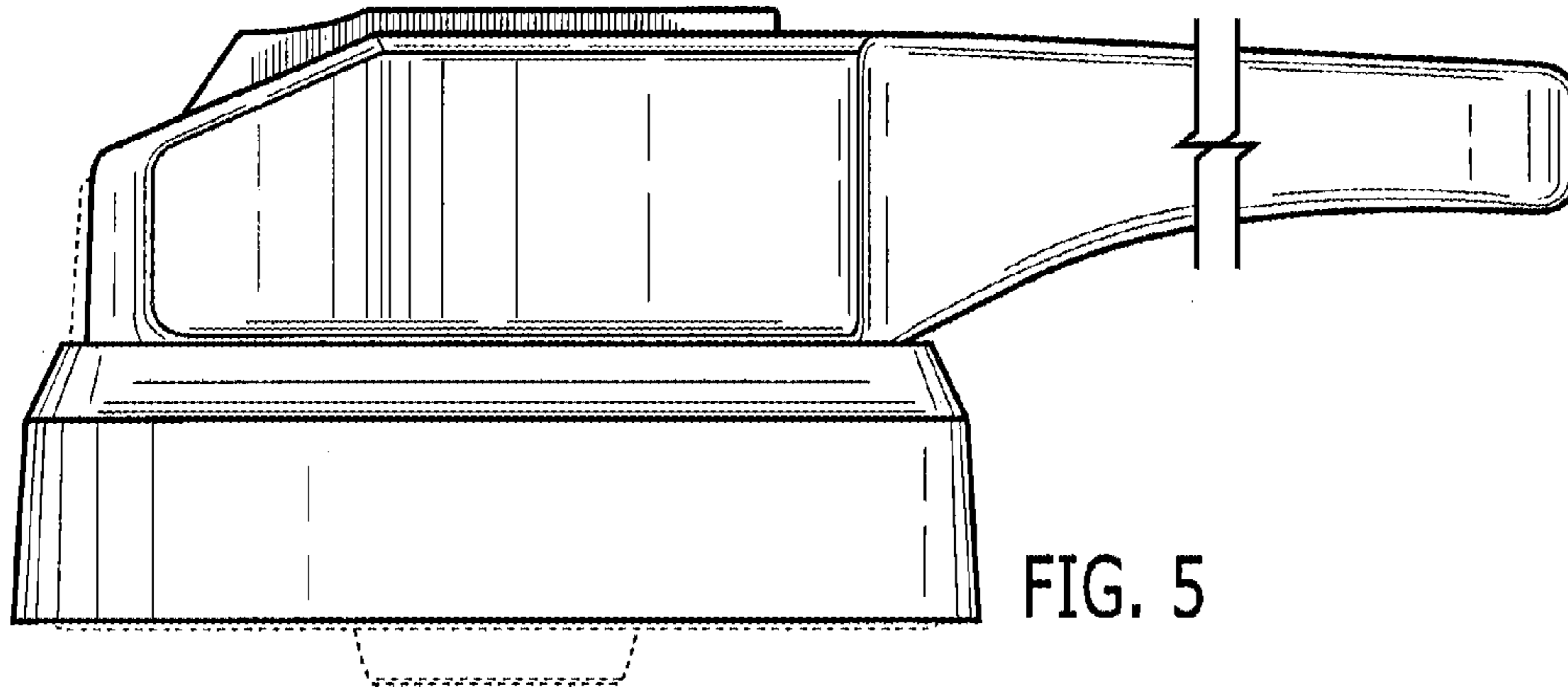


FIG. 5

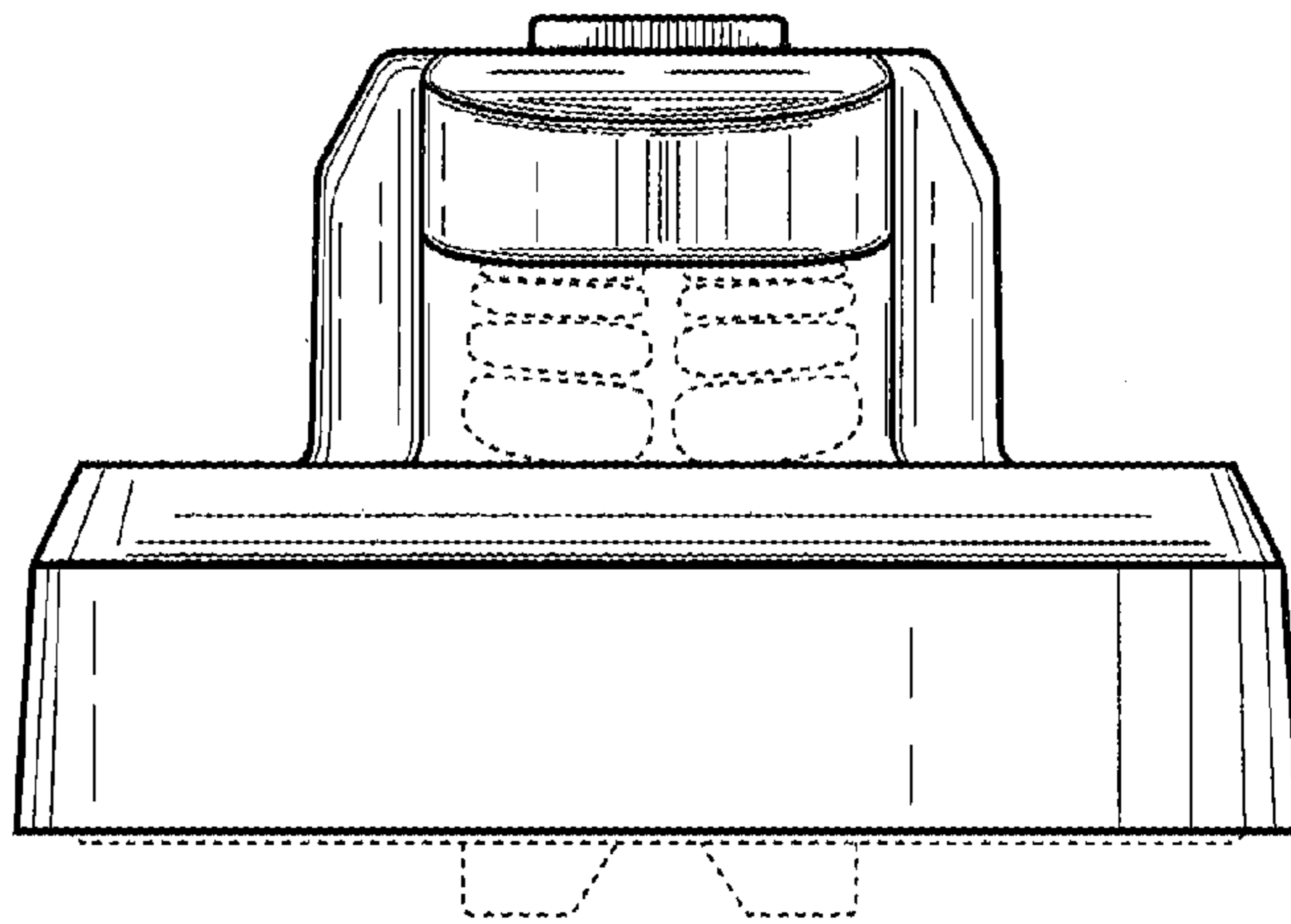


FIG. 6

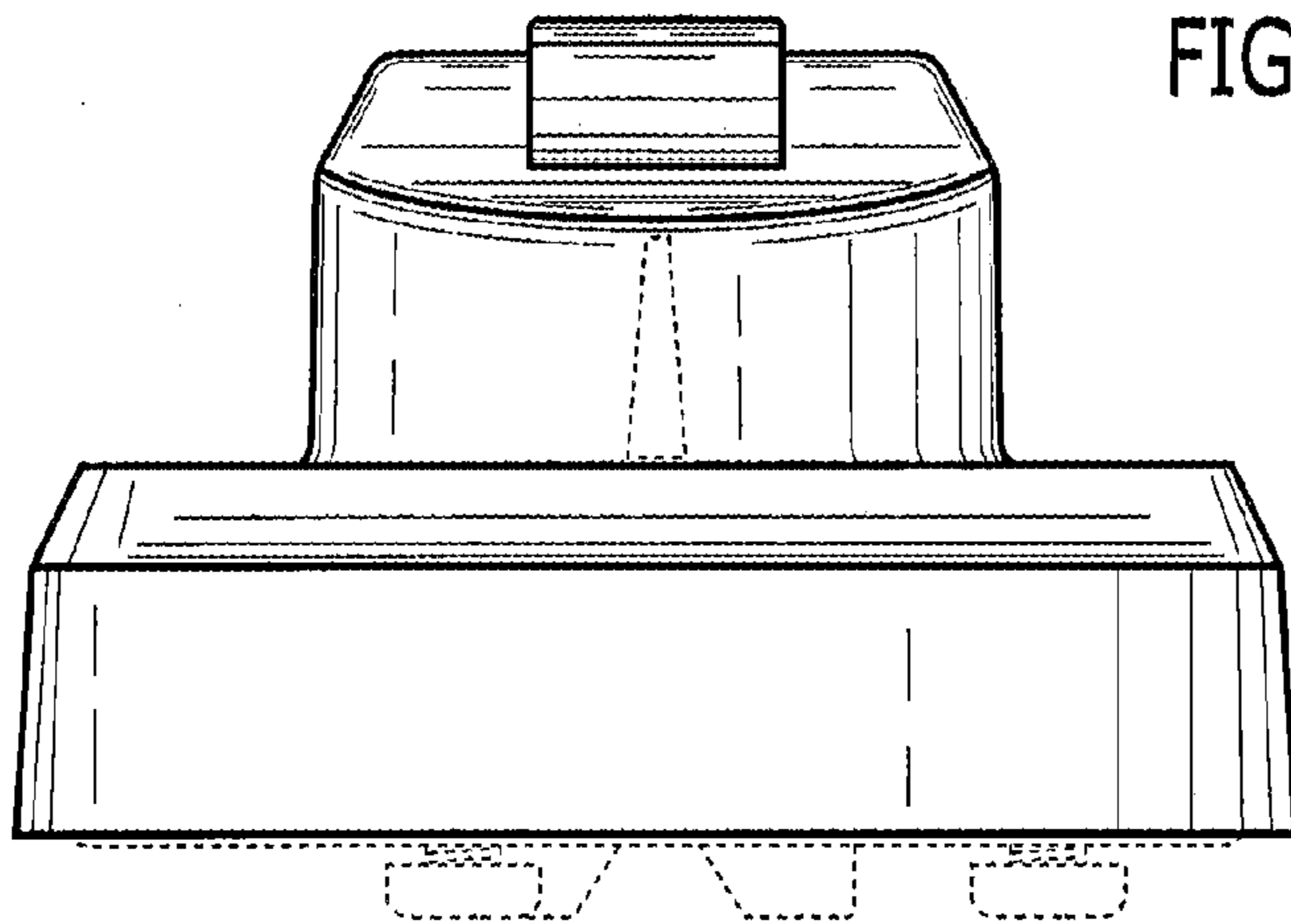


FIG. 7

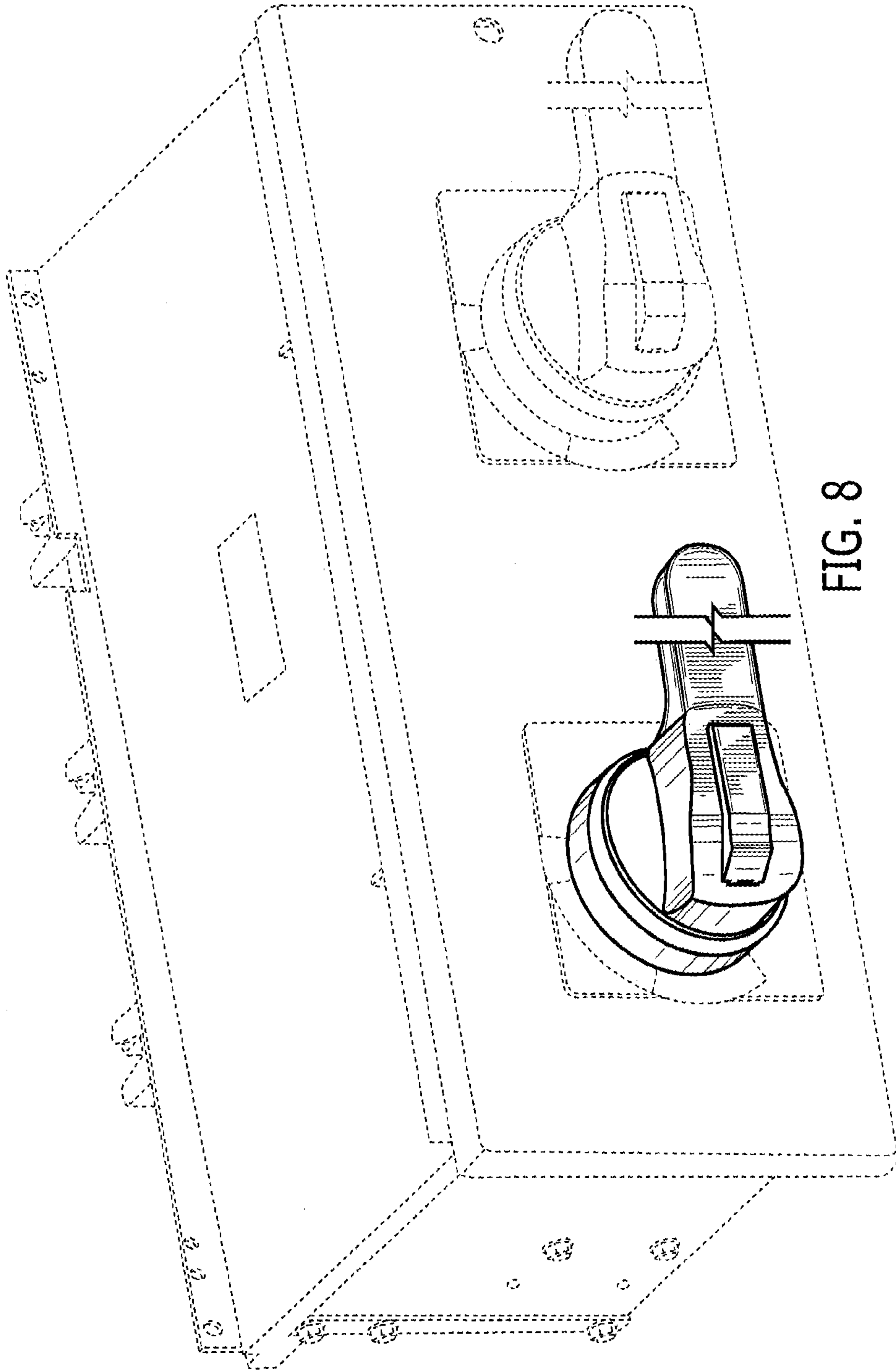


FIG. 8

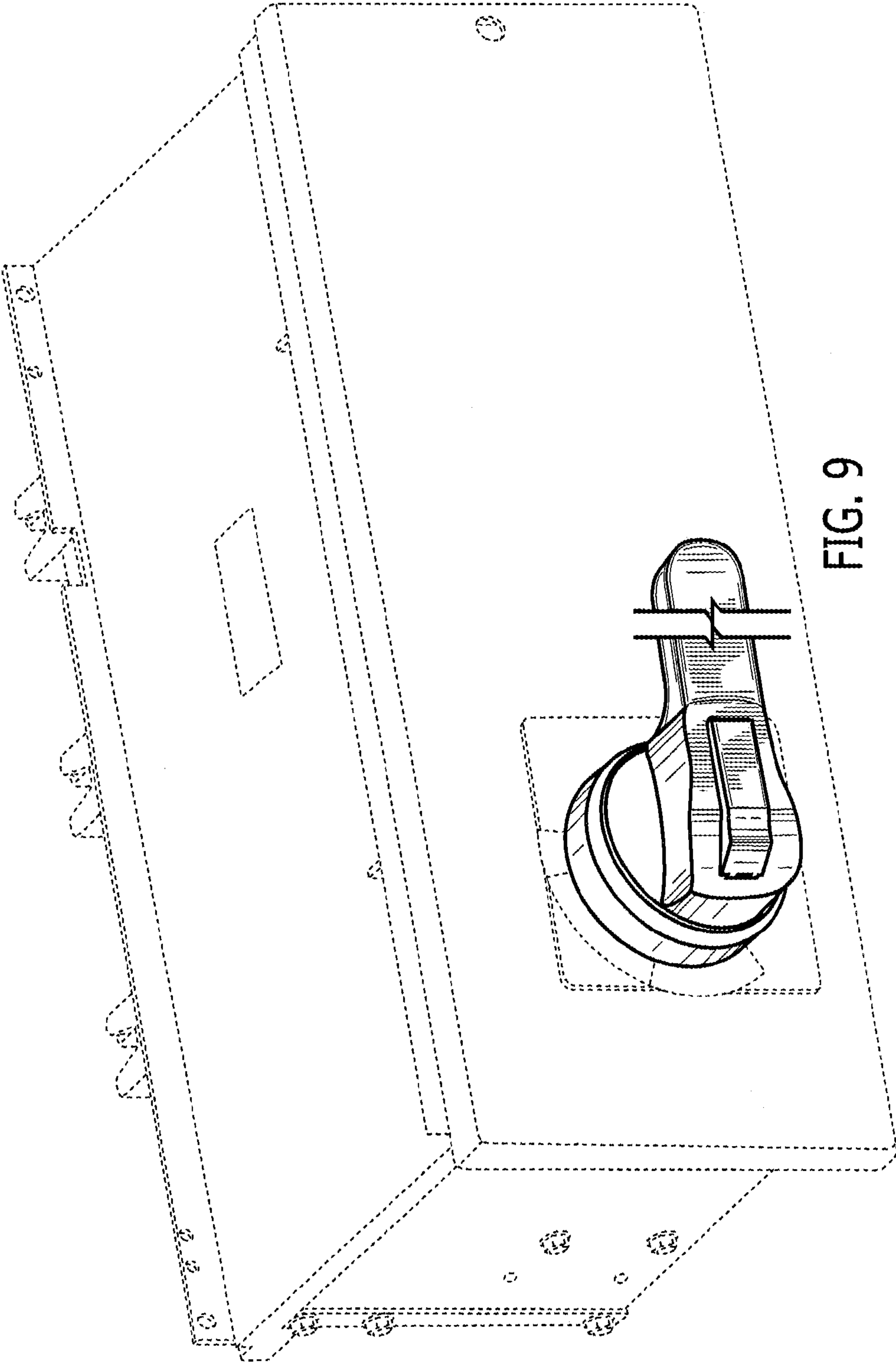
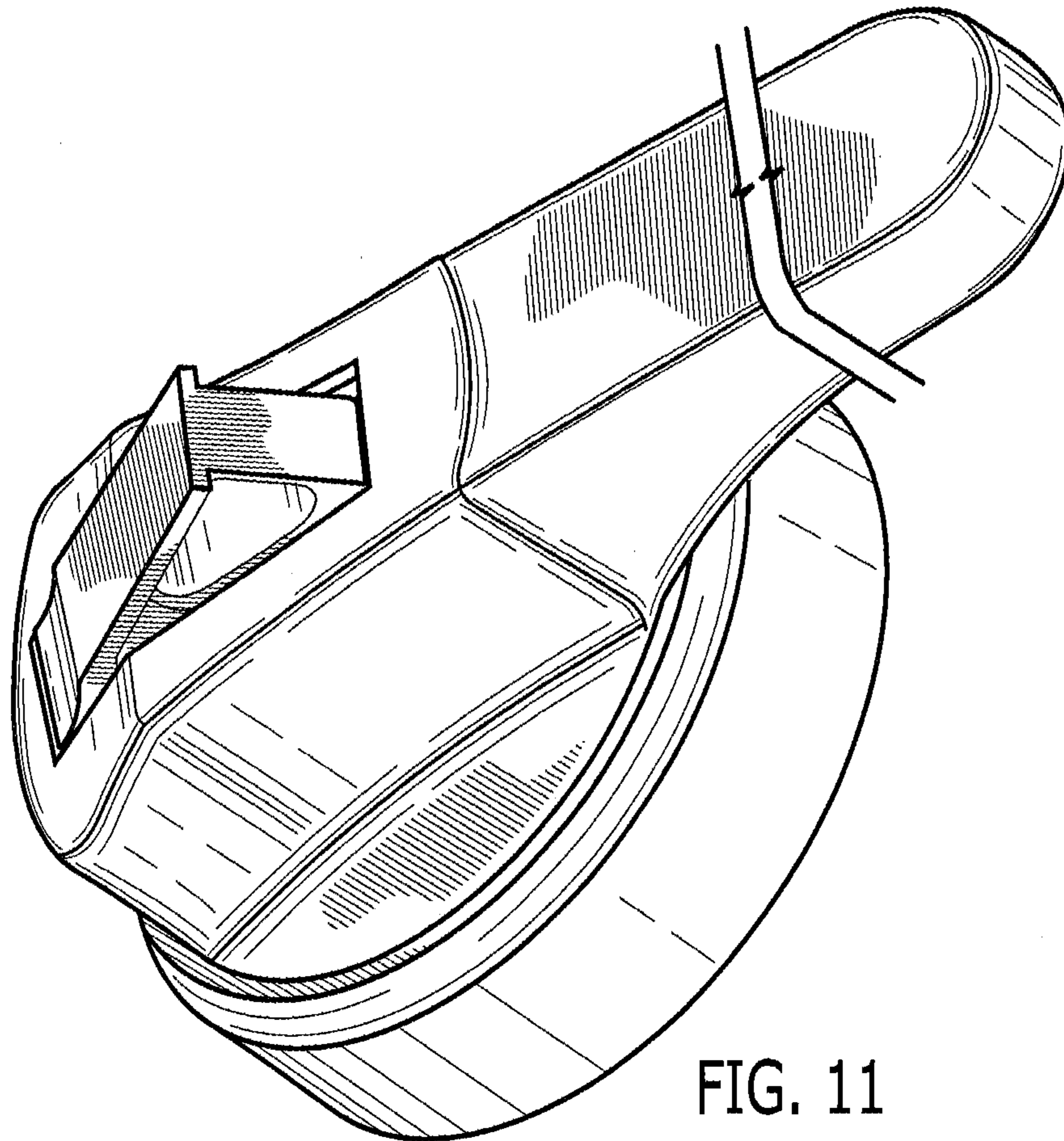
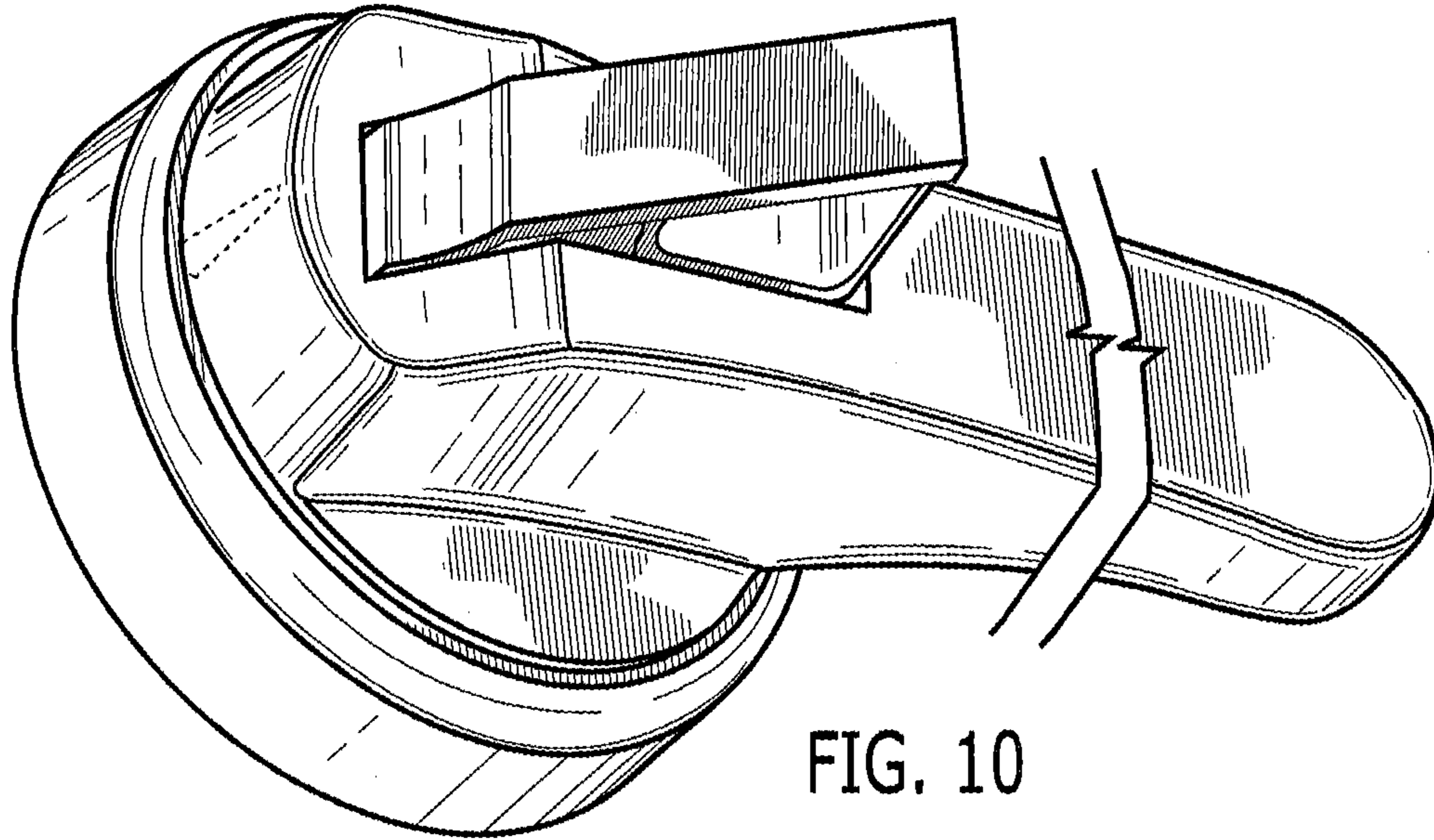


FIG. 9



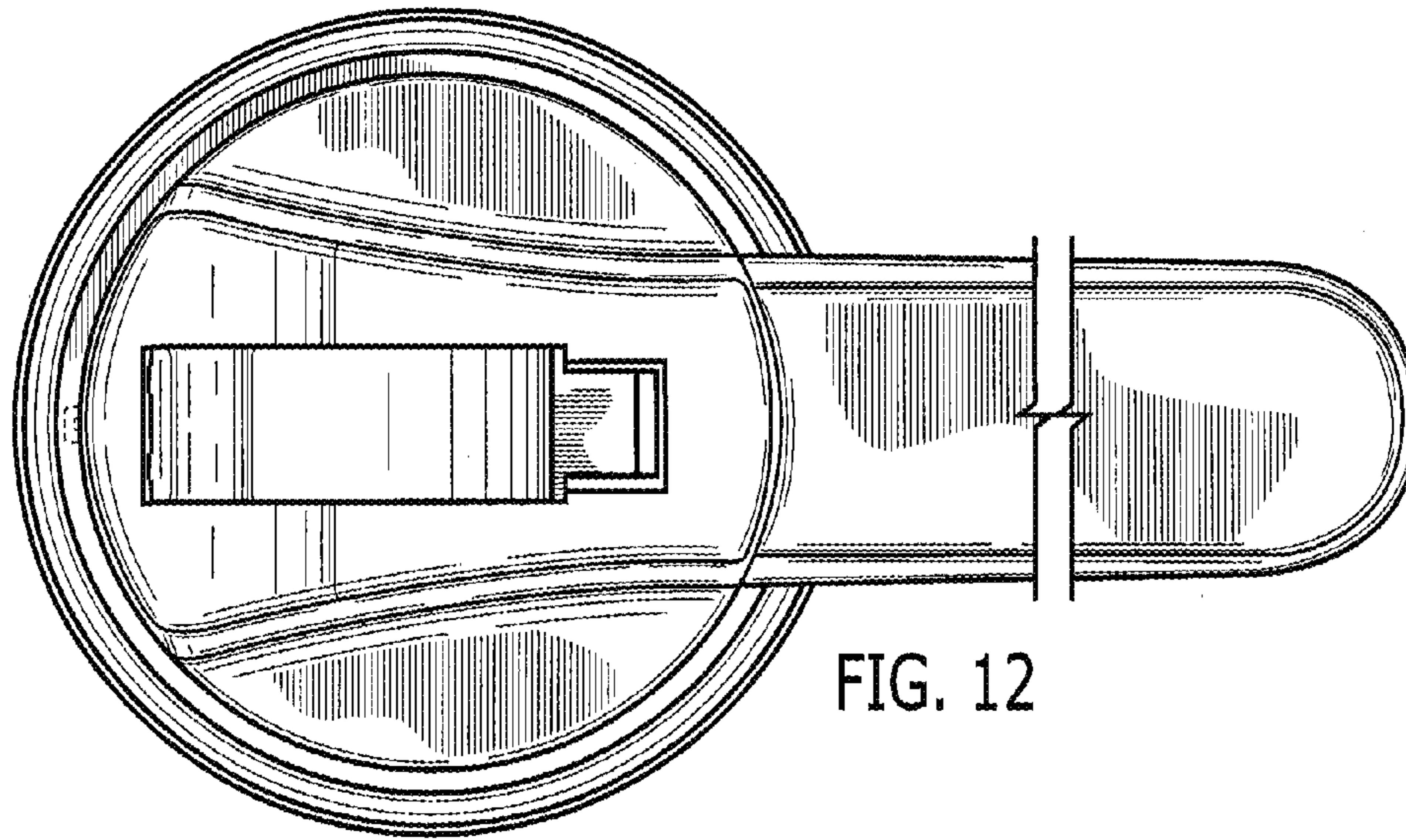


FIG. 12

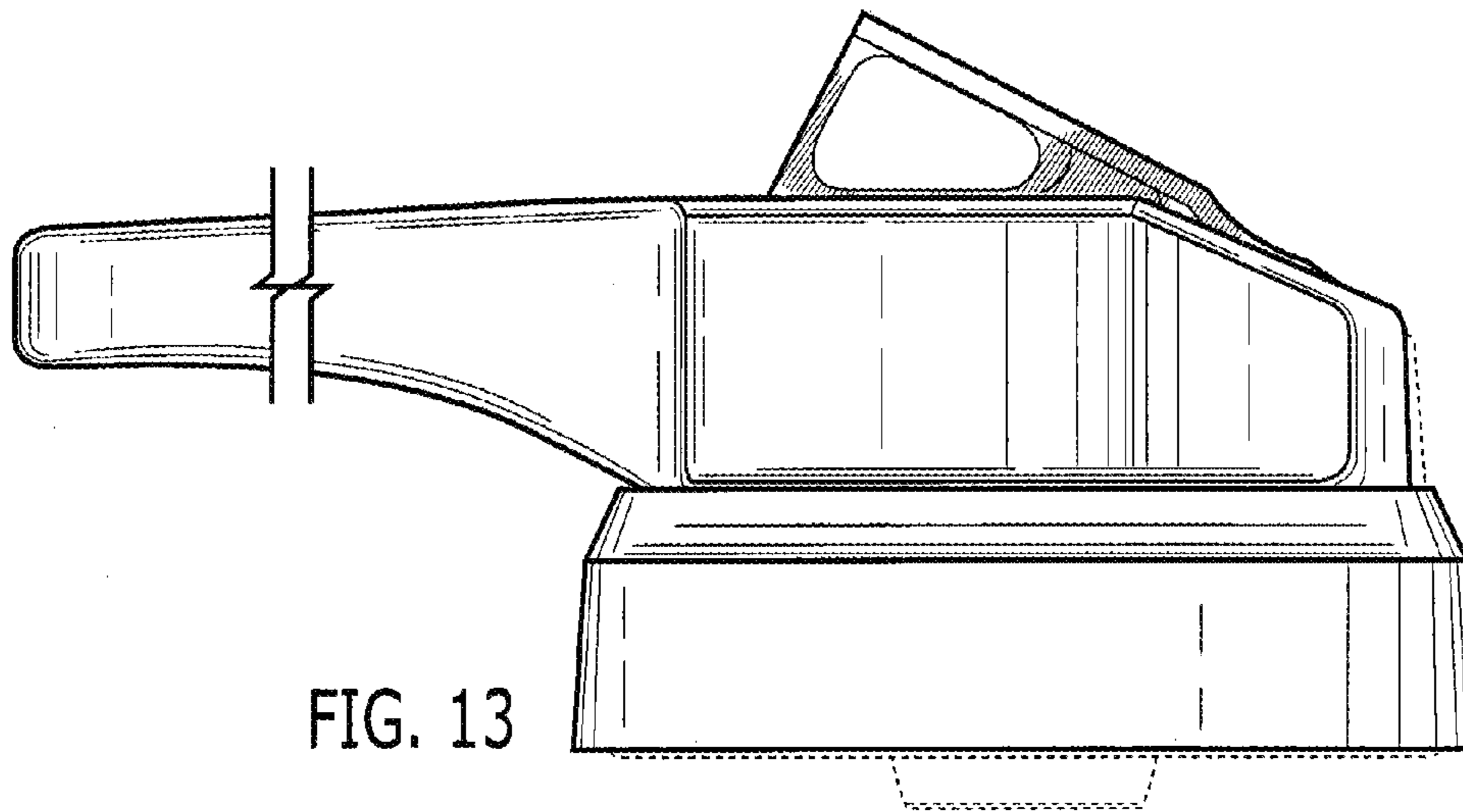


FIG. 13

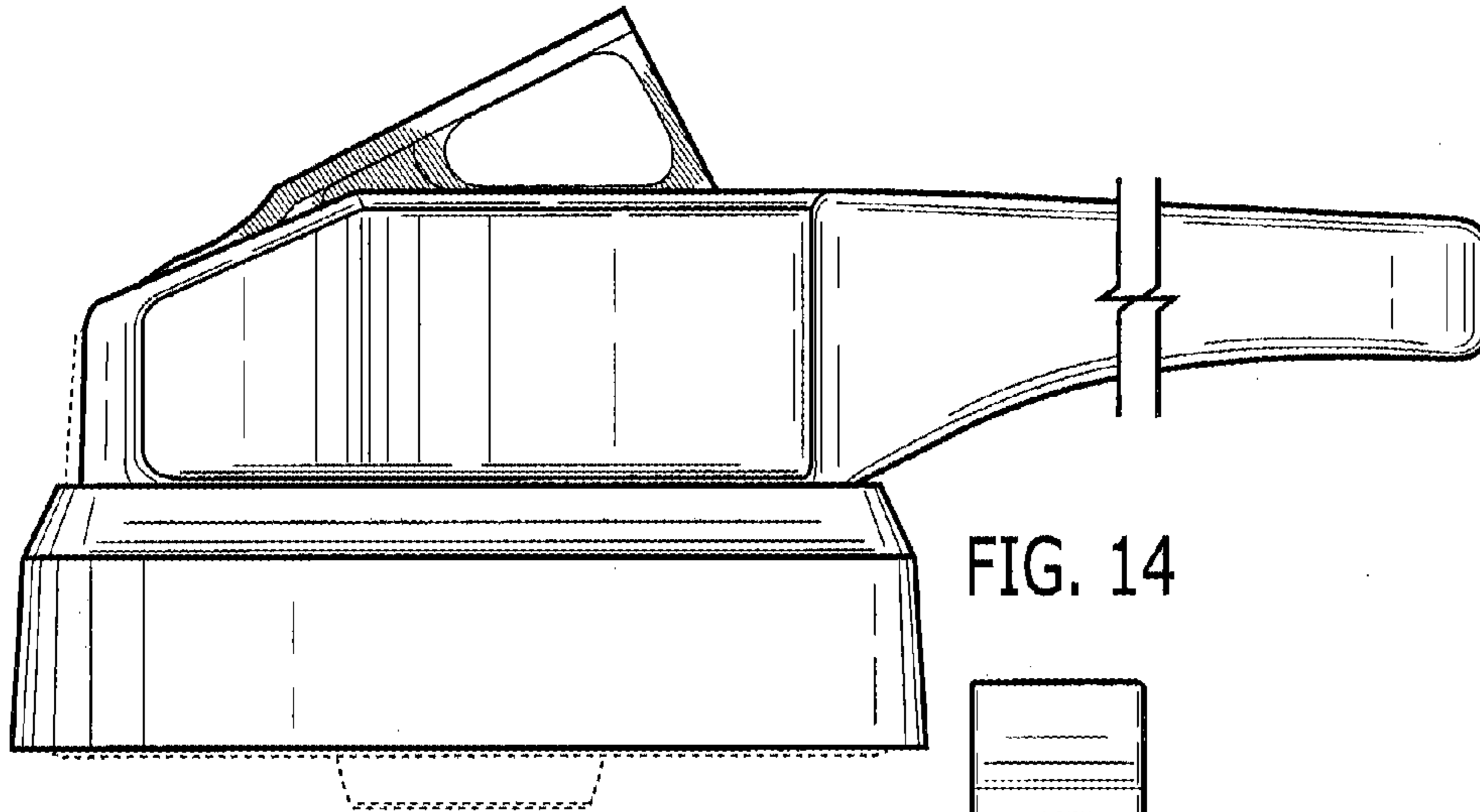


FIG. 14

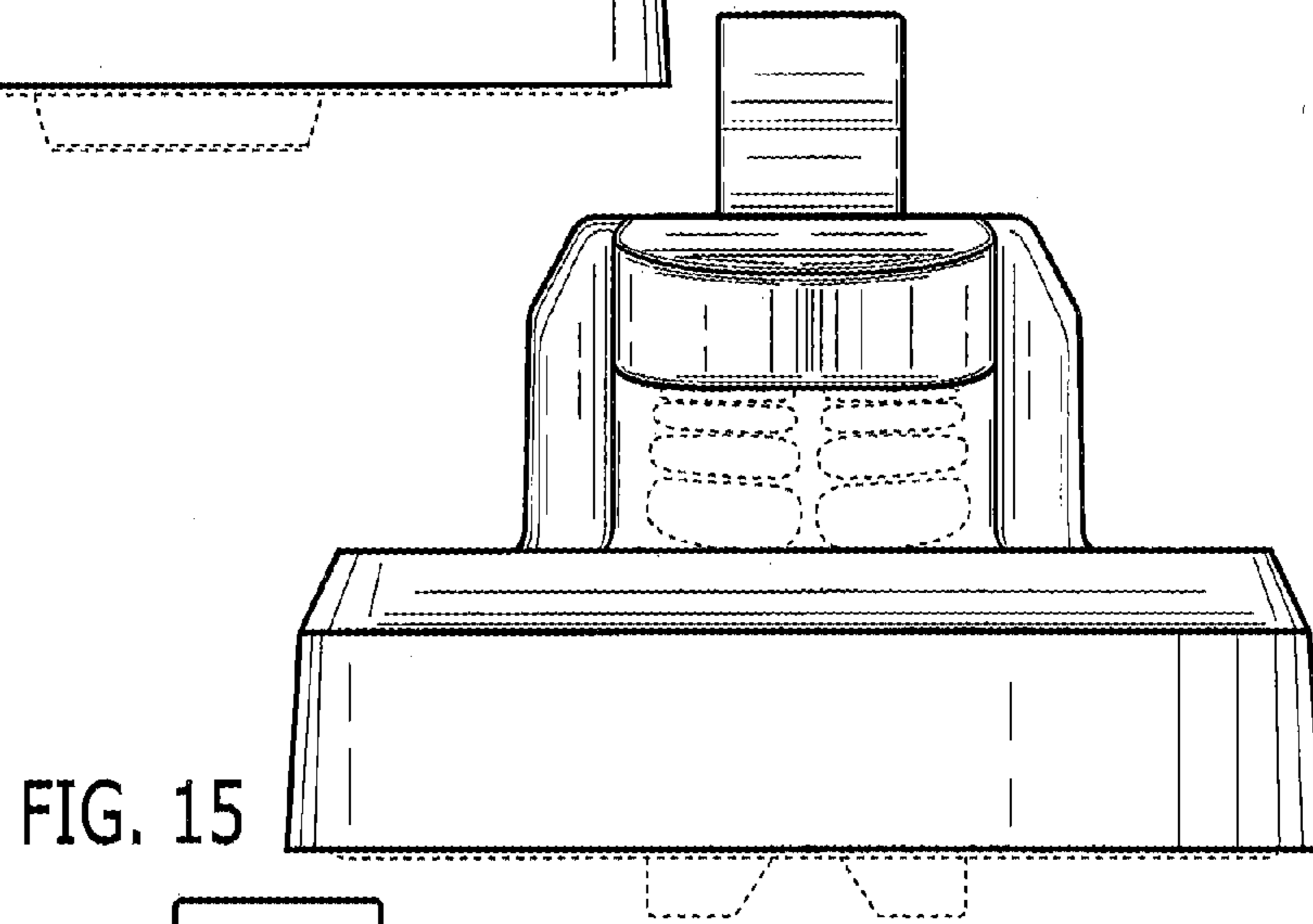


FIG. 15

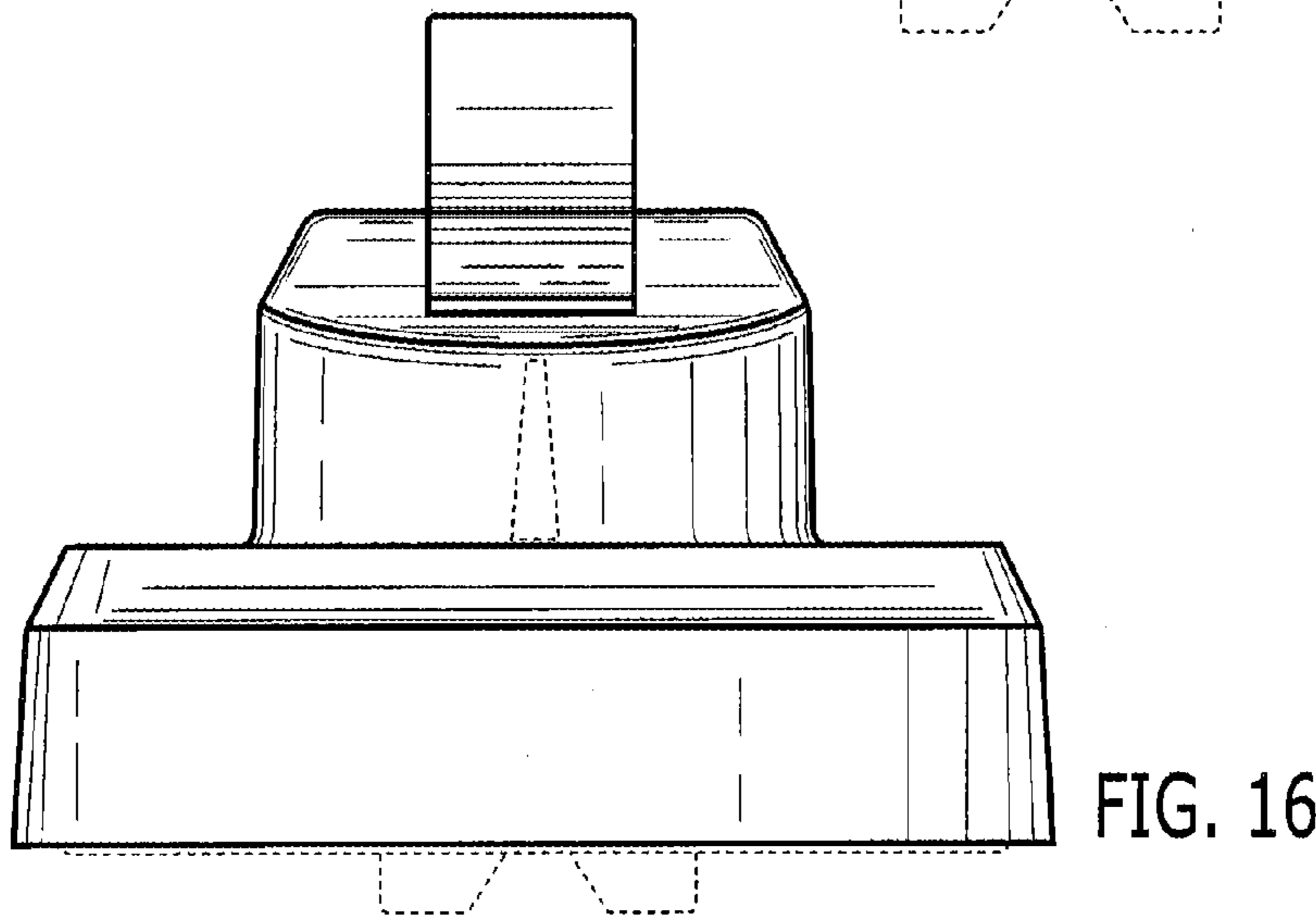
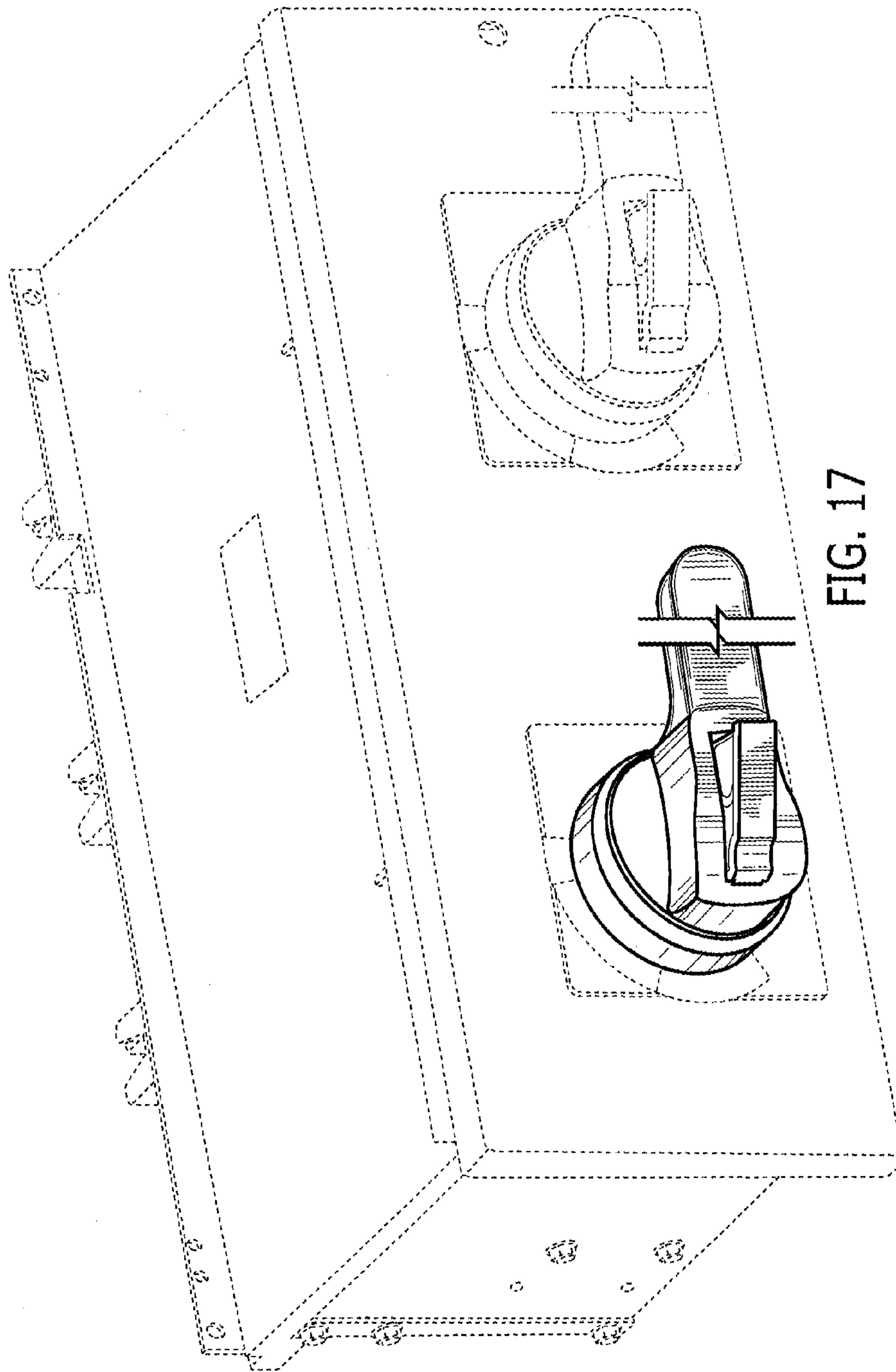


FIG. 16



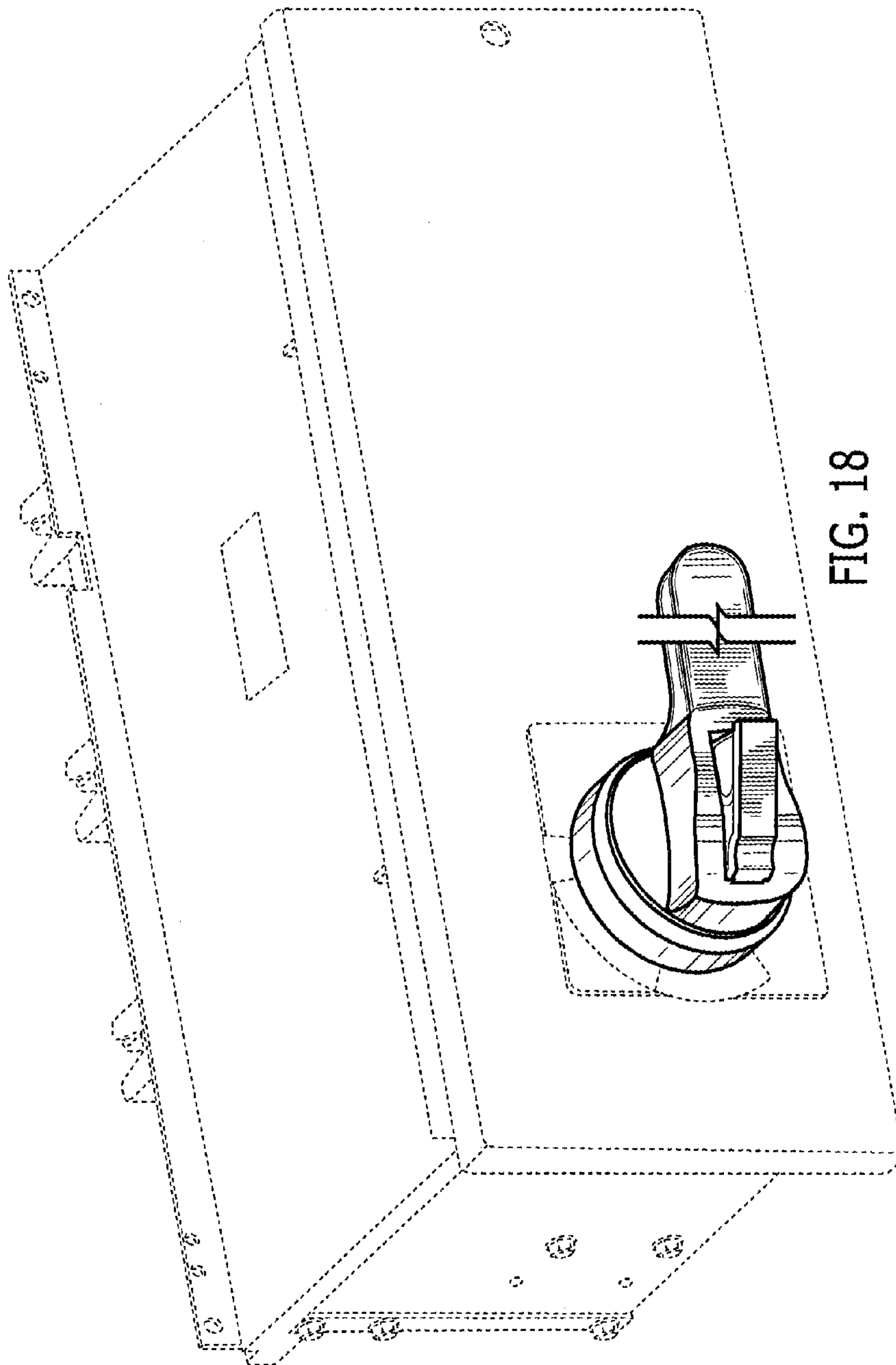


FIG. 18

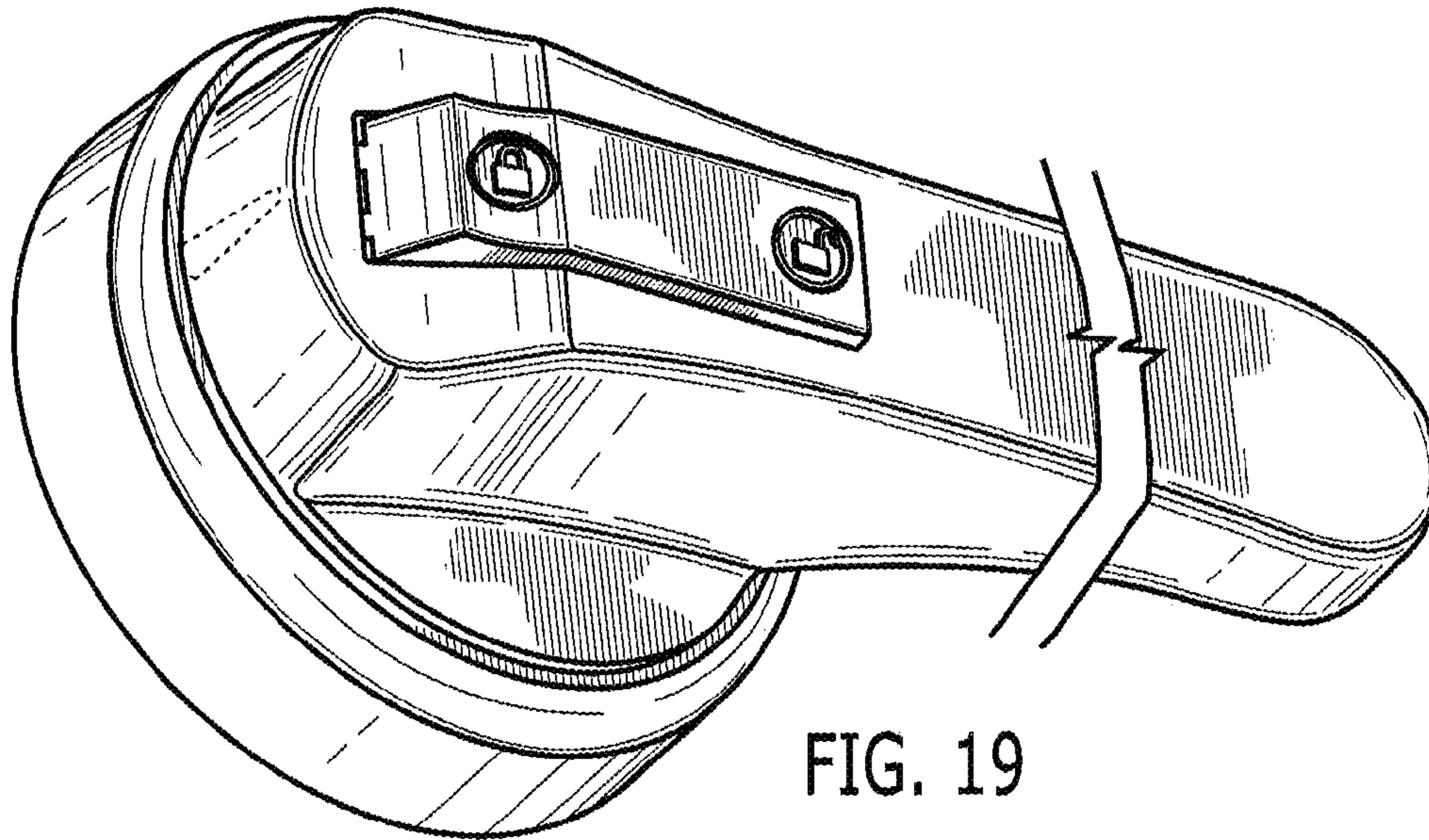


FIG. 19

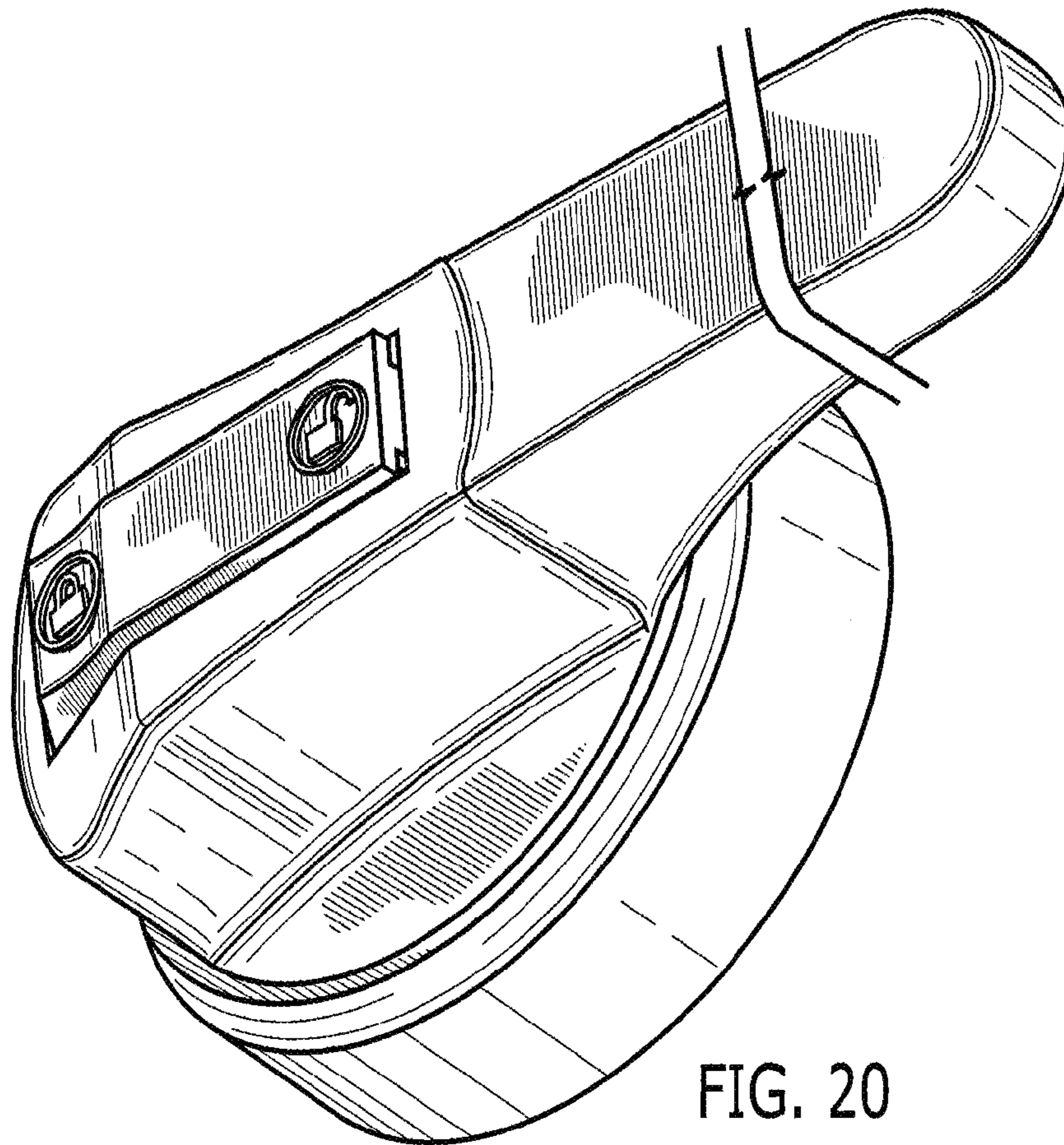


FIG. 20

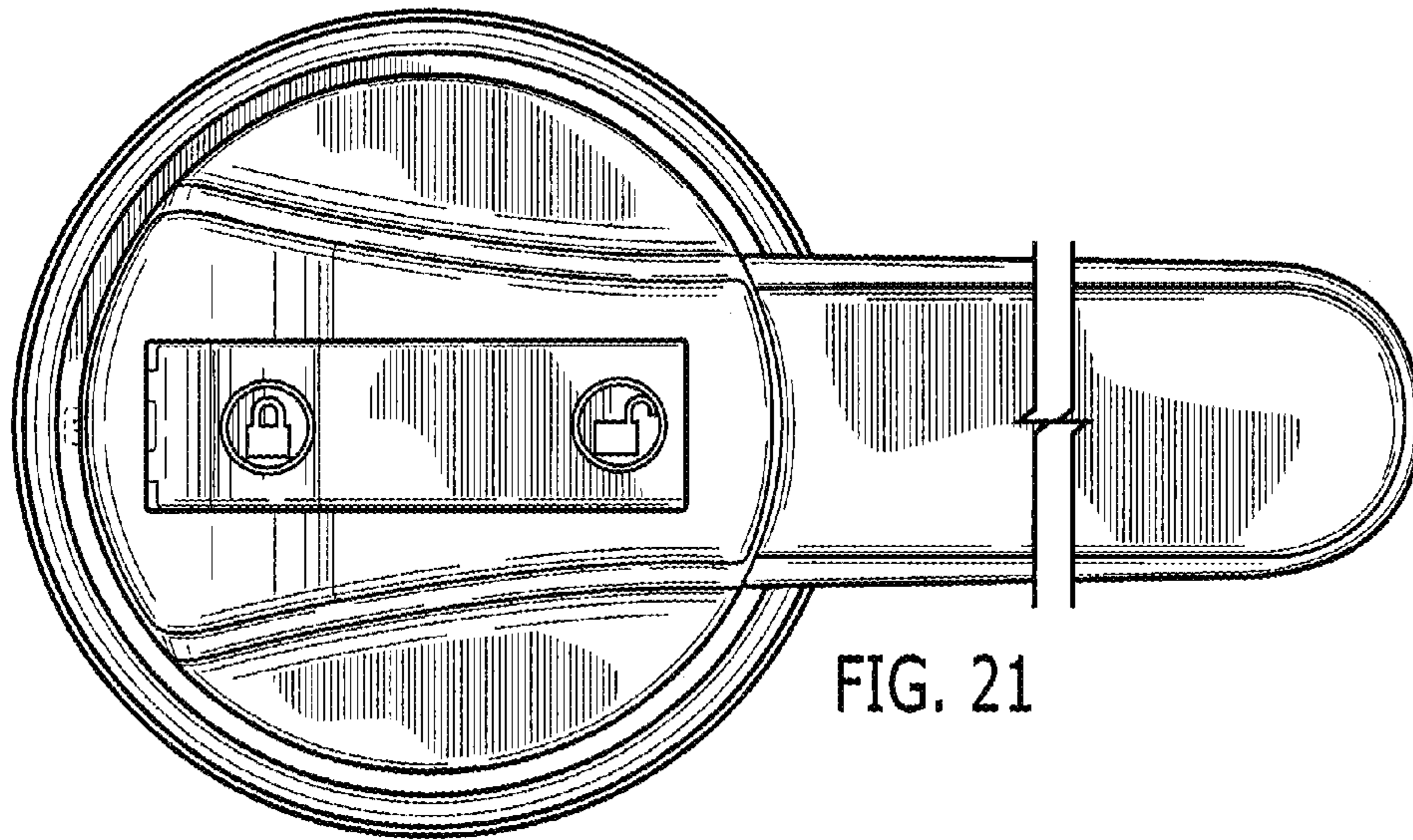


FIG. 21

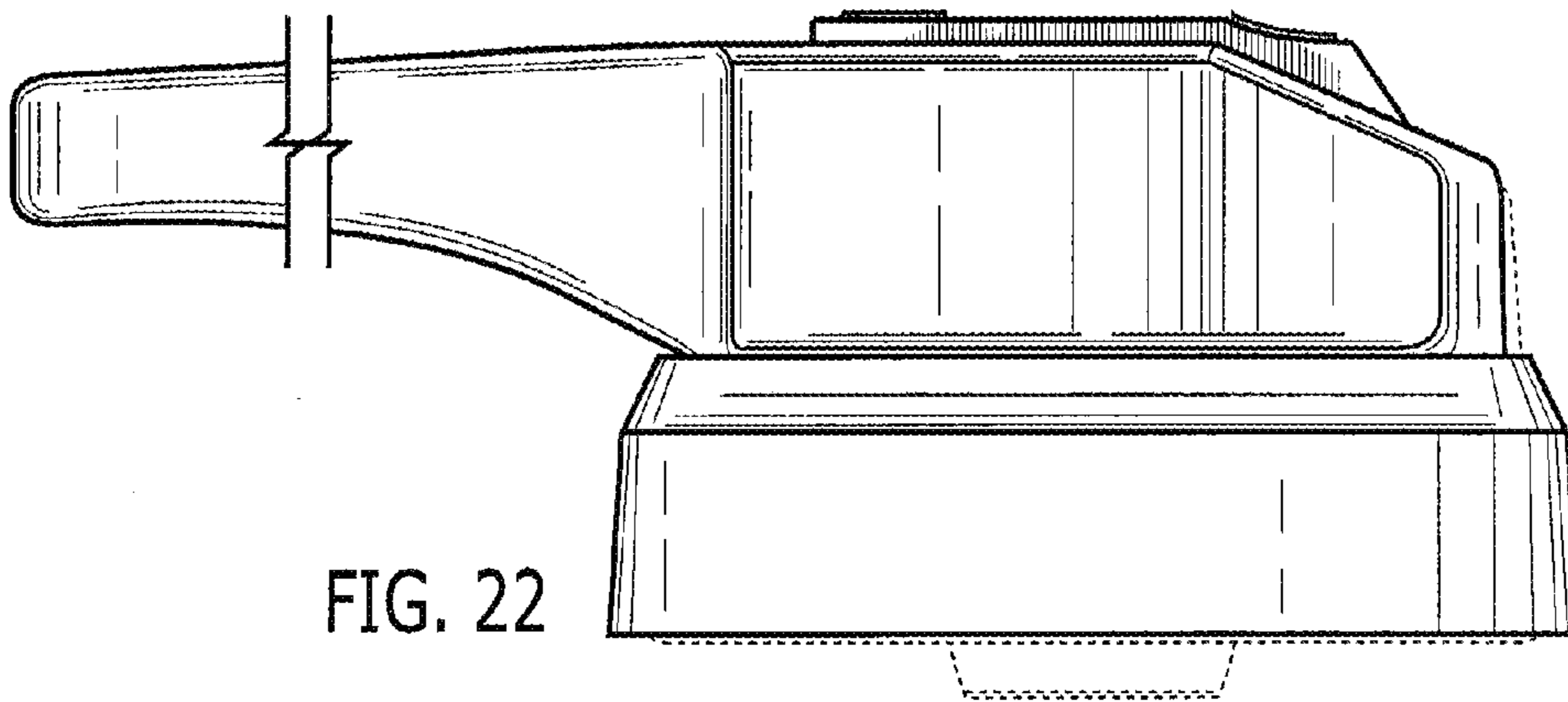


FIG. 22

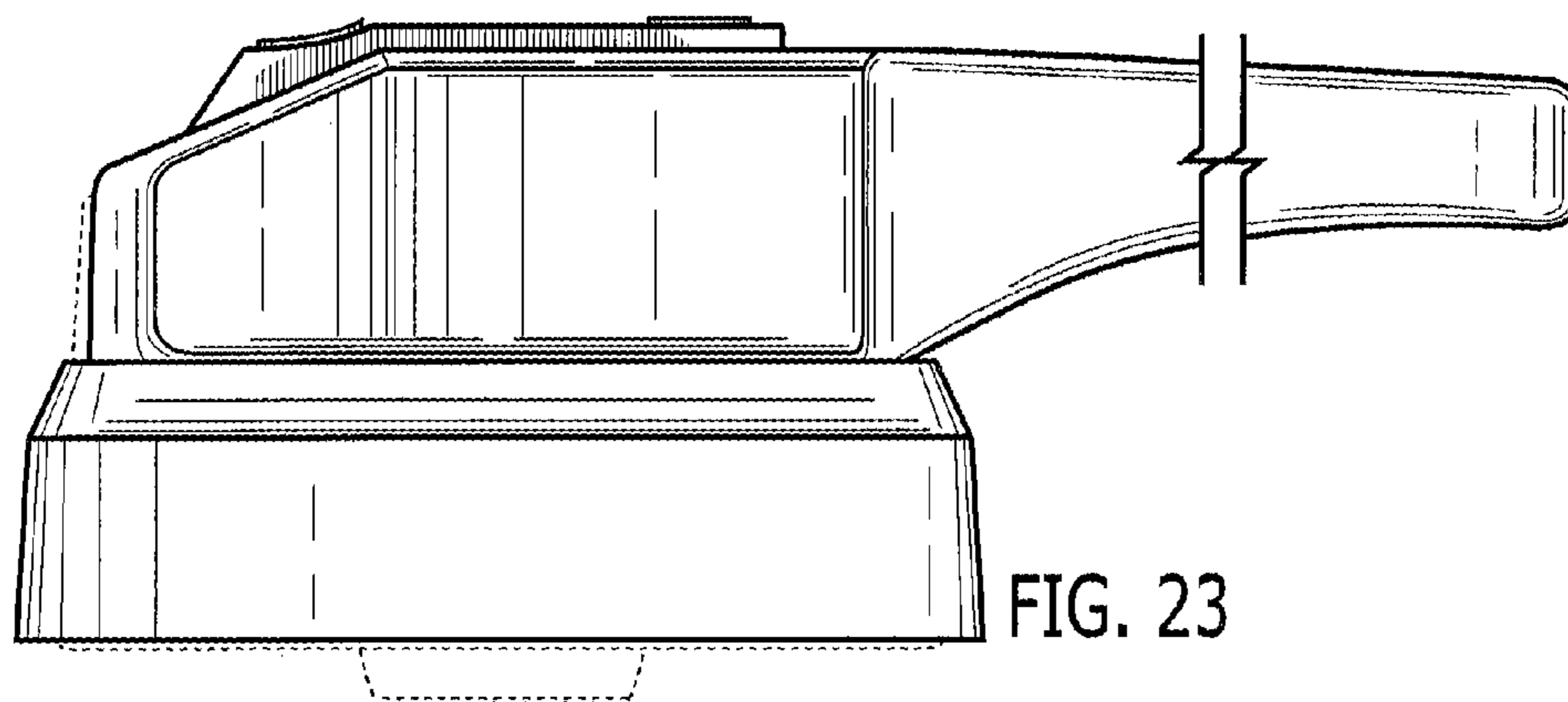


FIG. 23

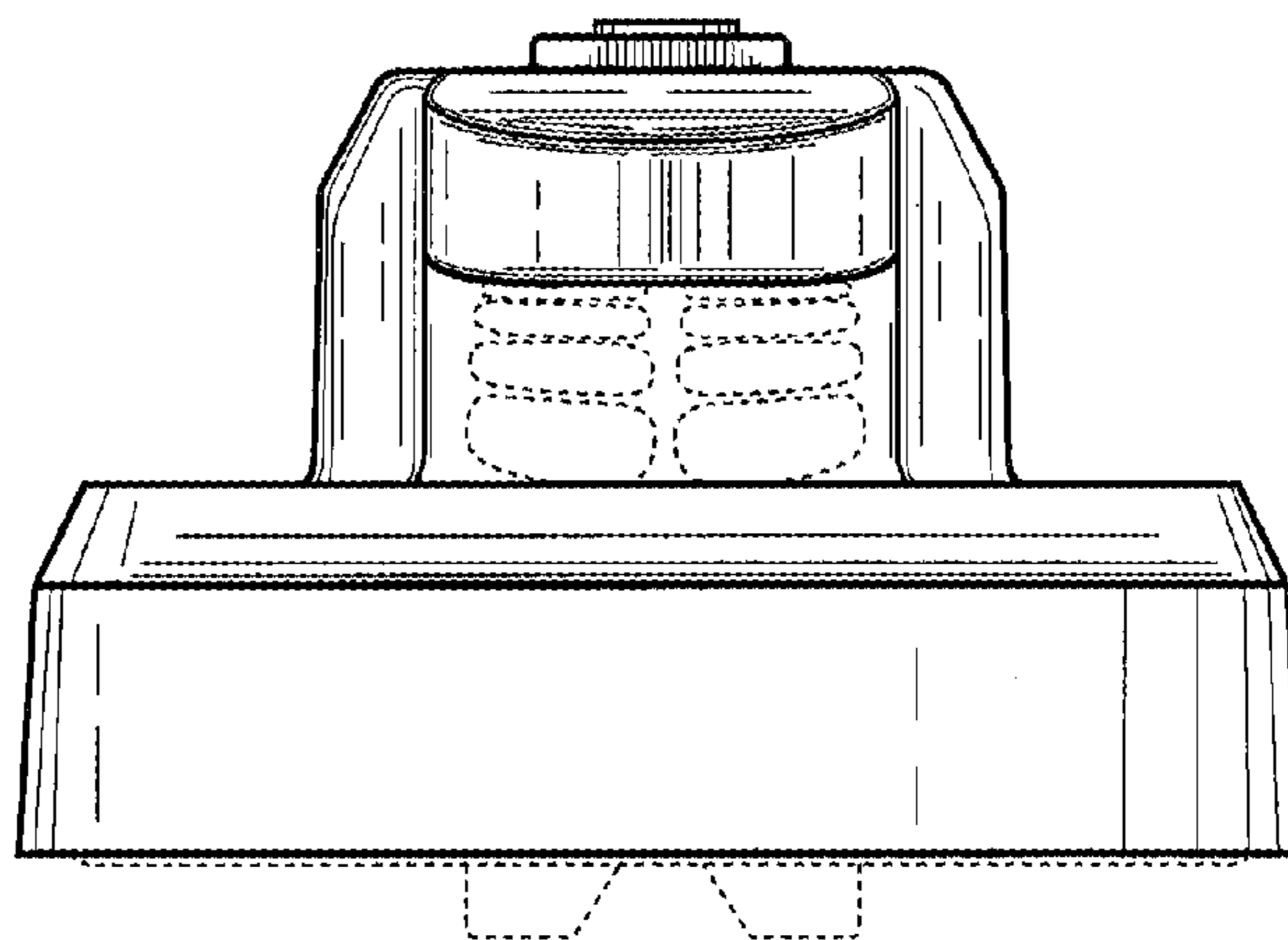


FIG. 24

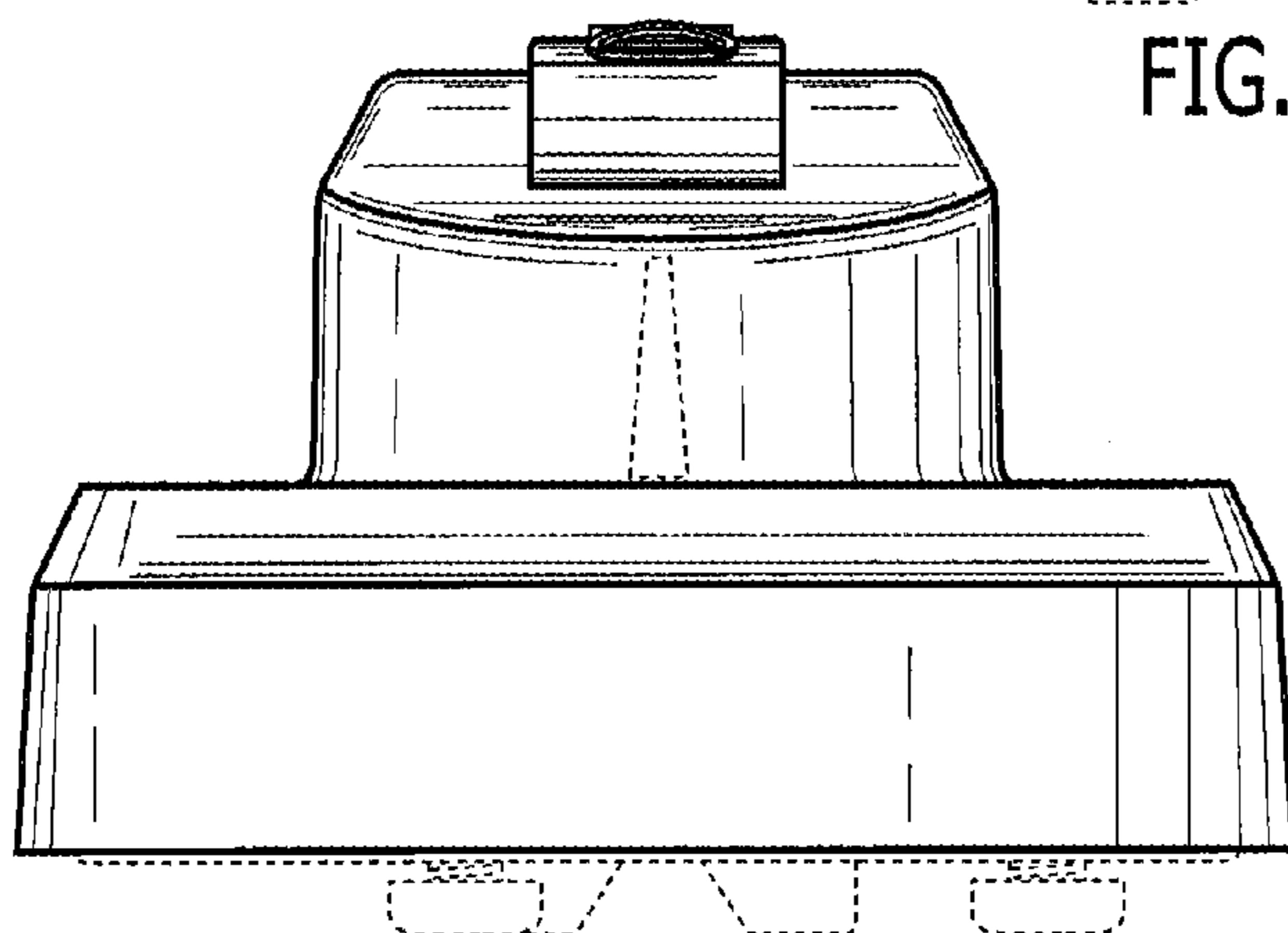


FIG. 25

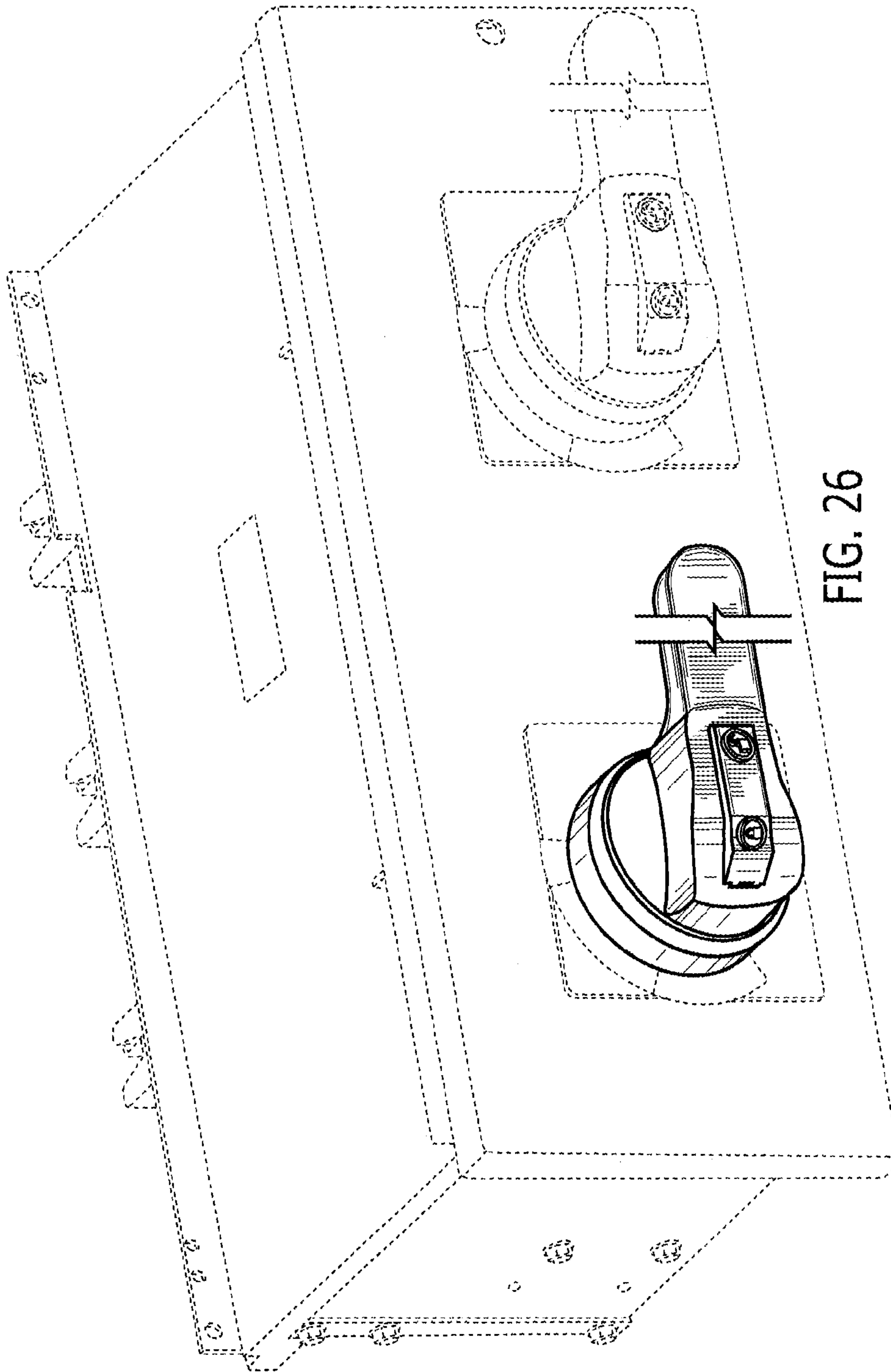


FIG. 26

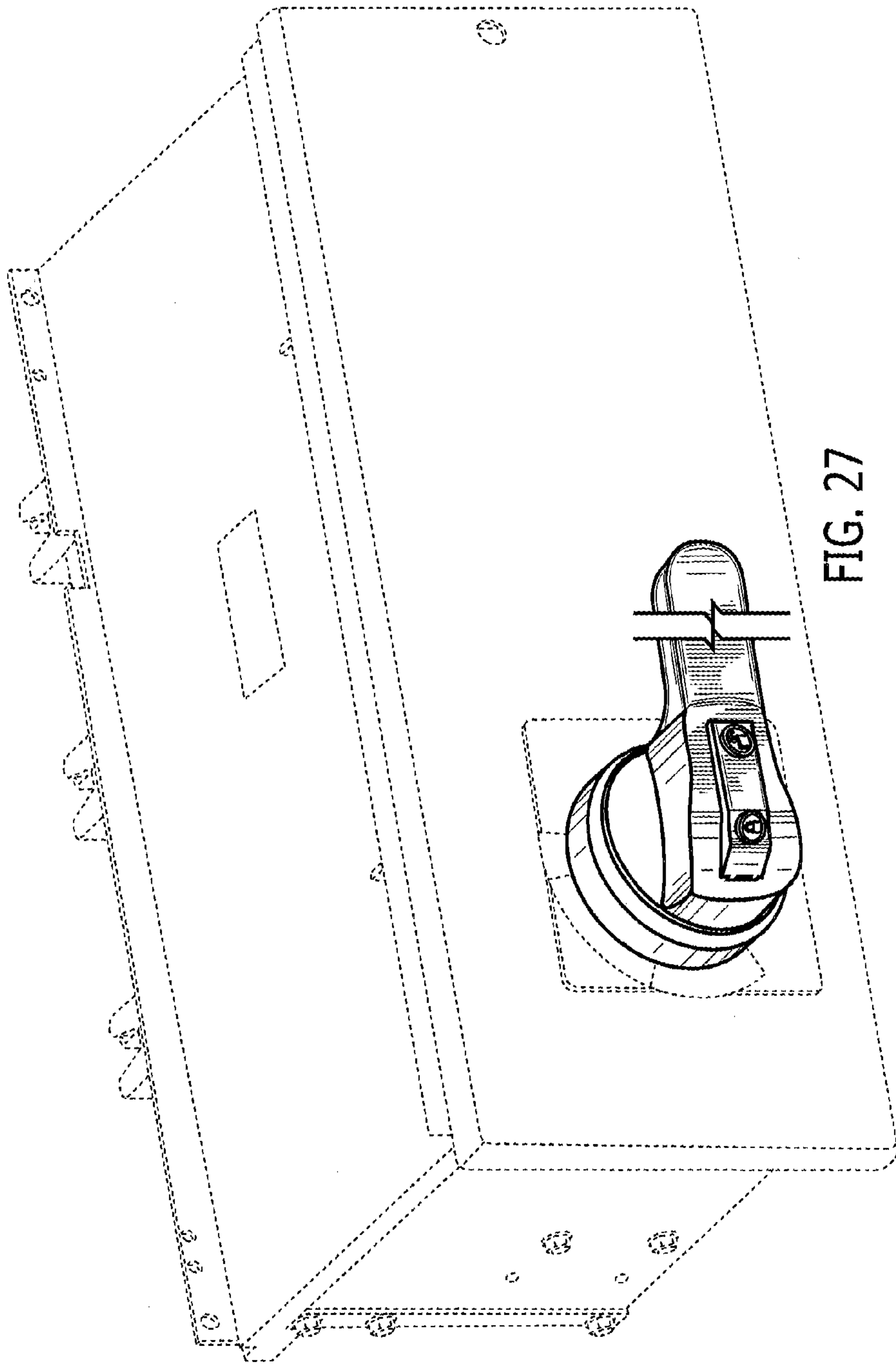
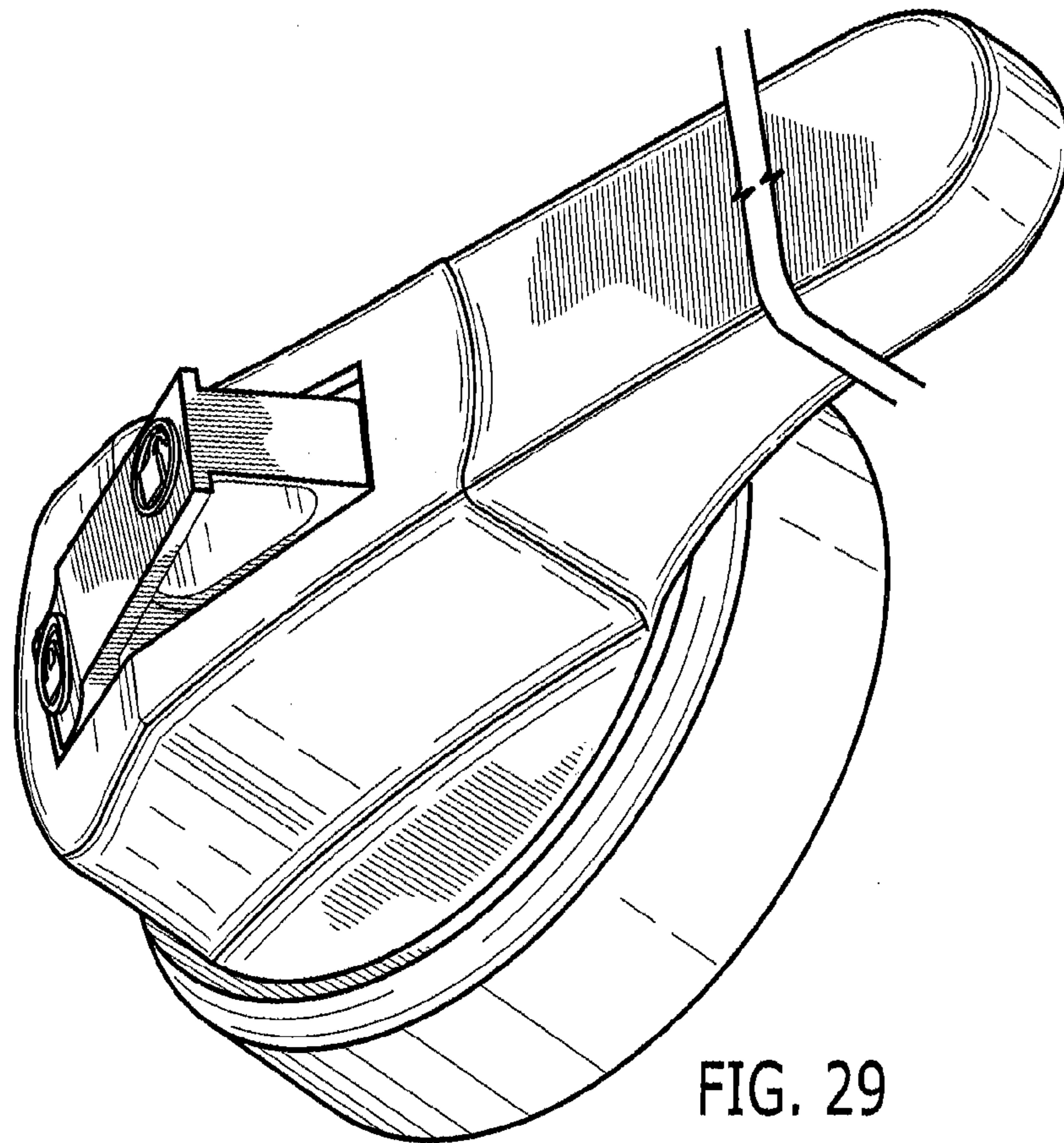
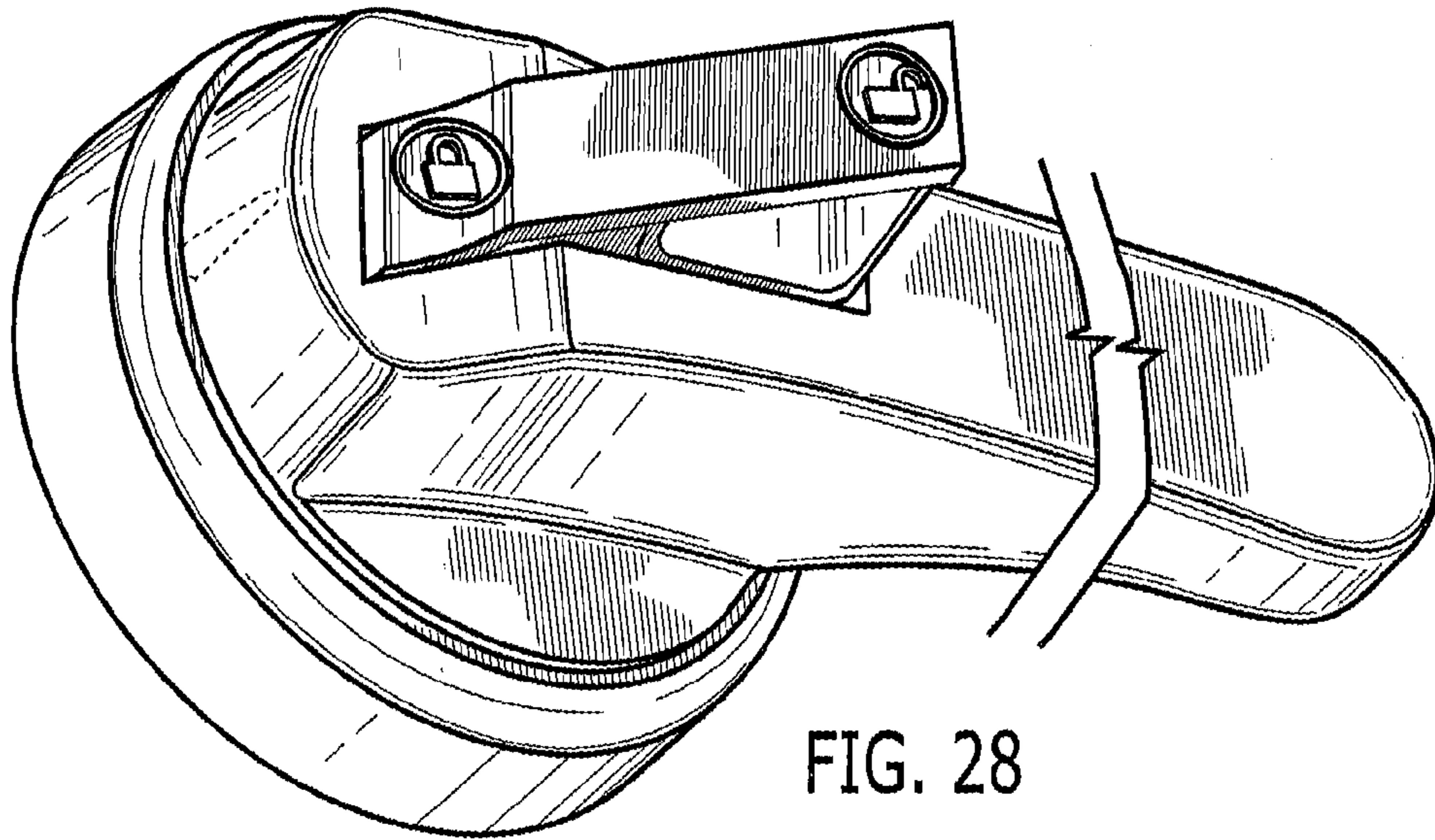
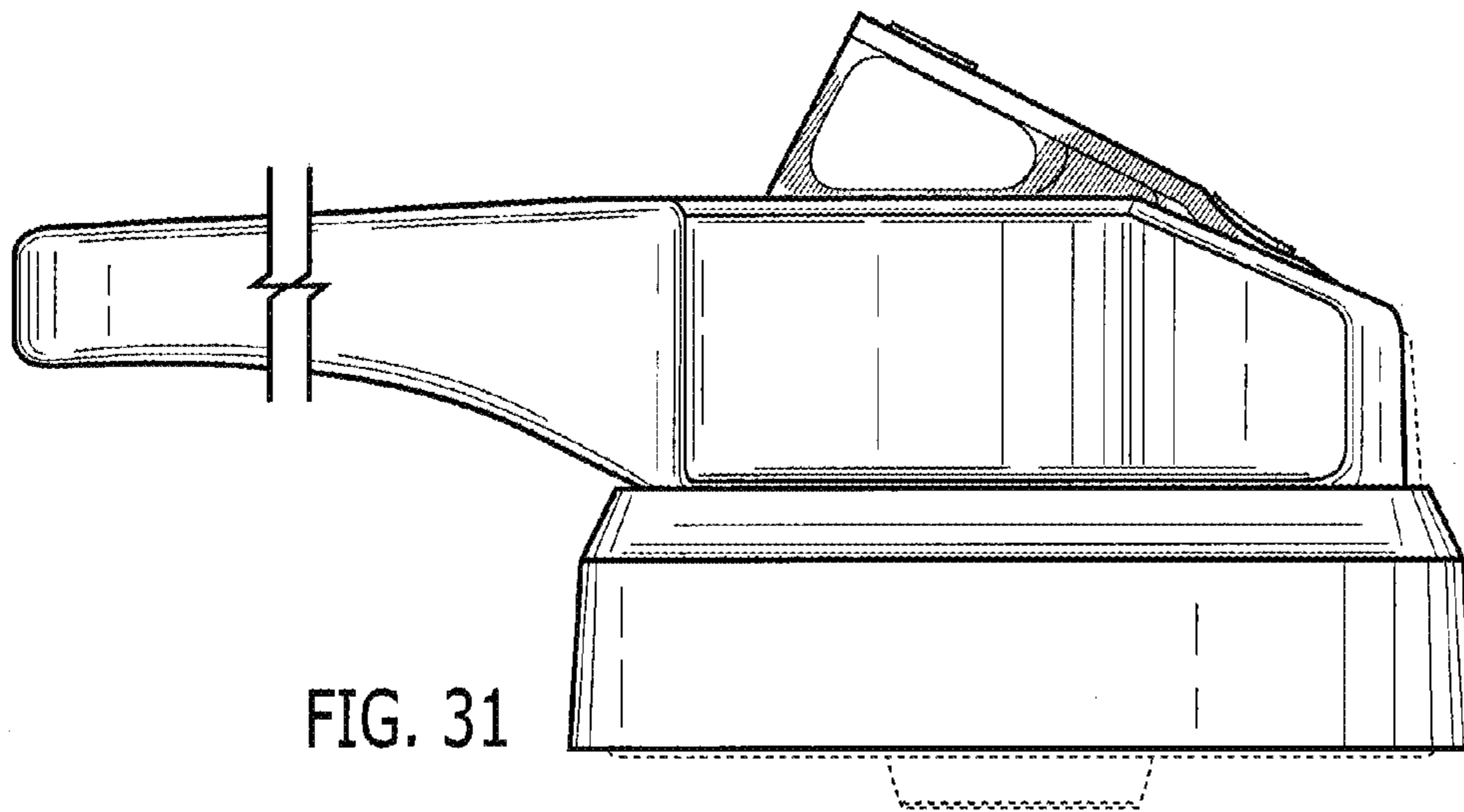
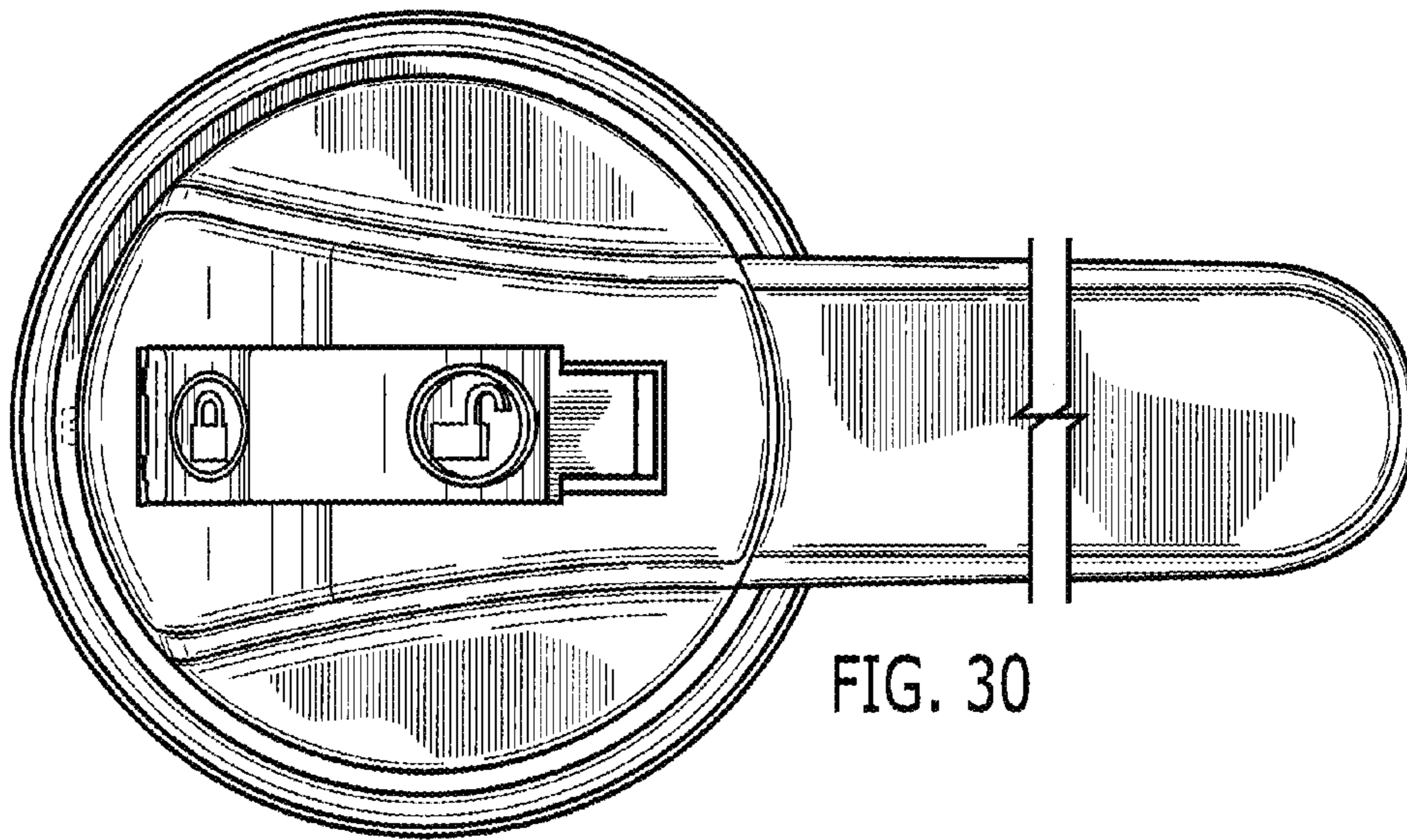


FIG. 27





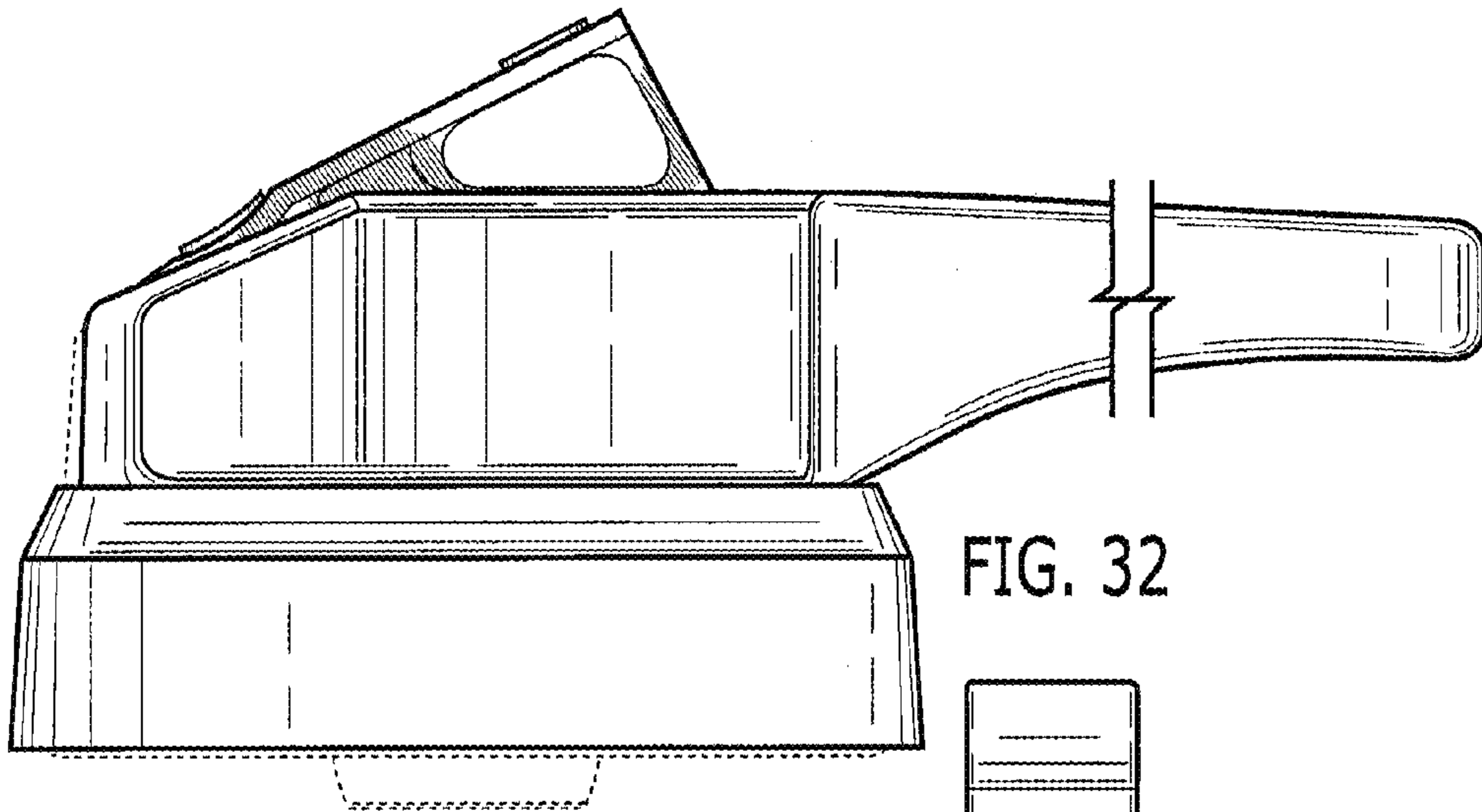


FIG. 32

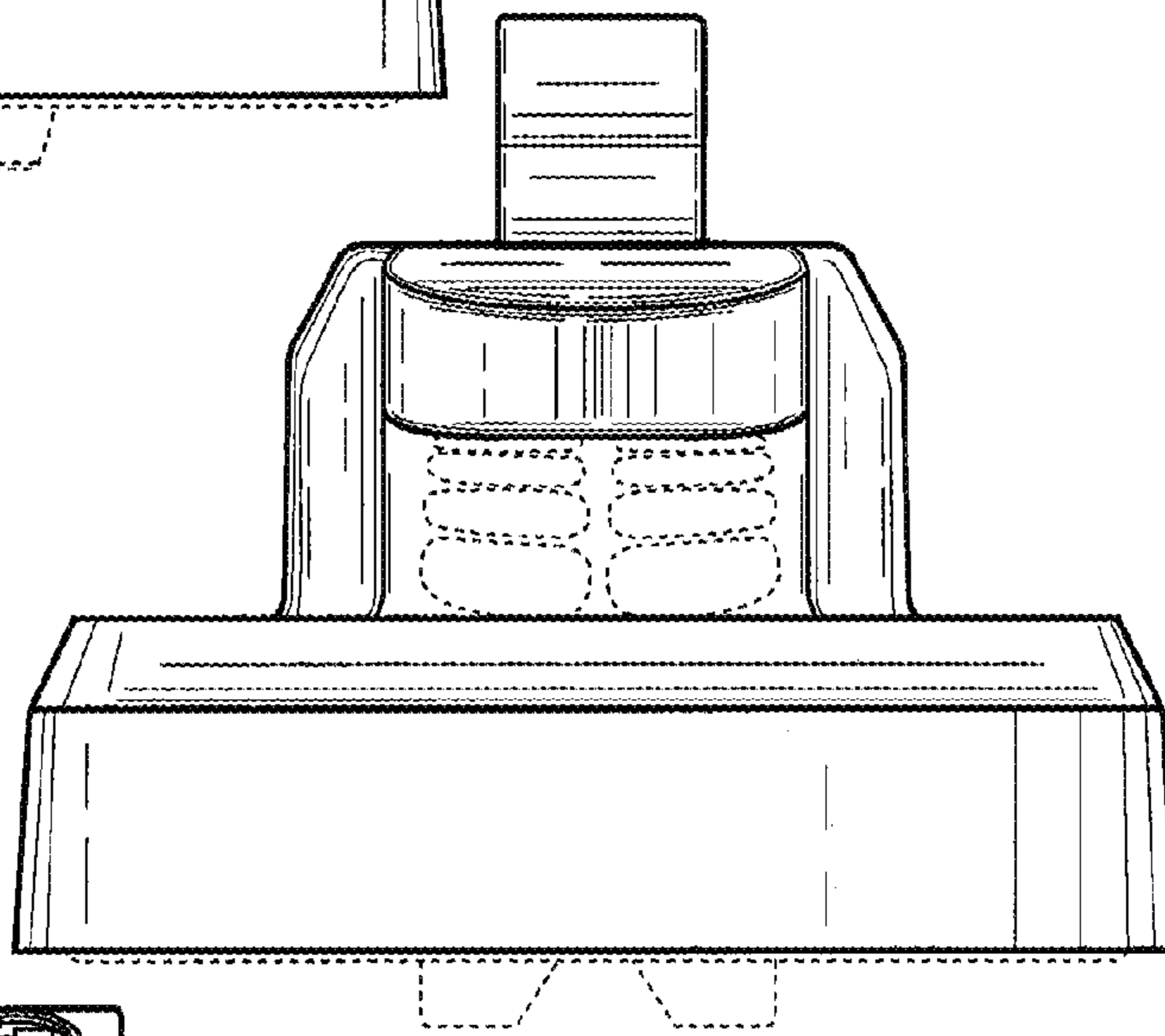


FIG. 33

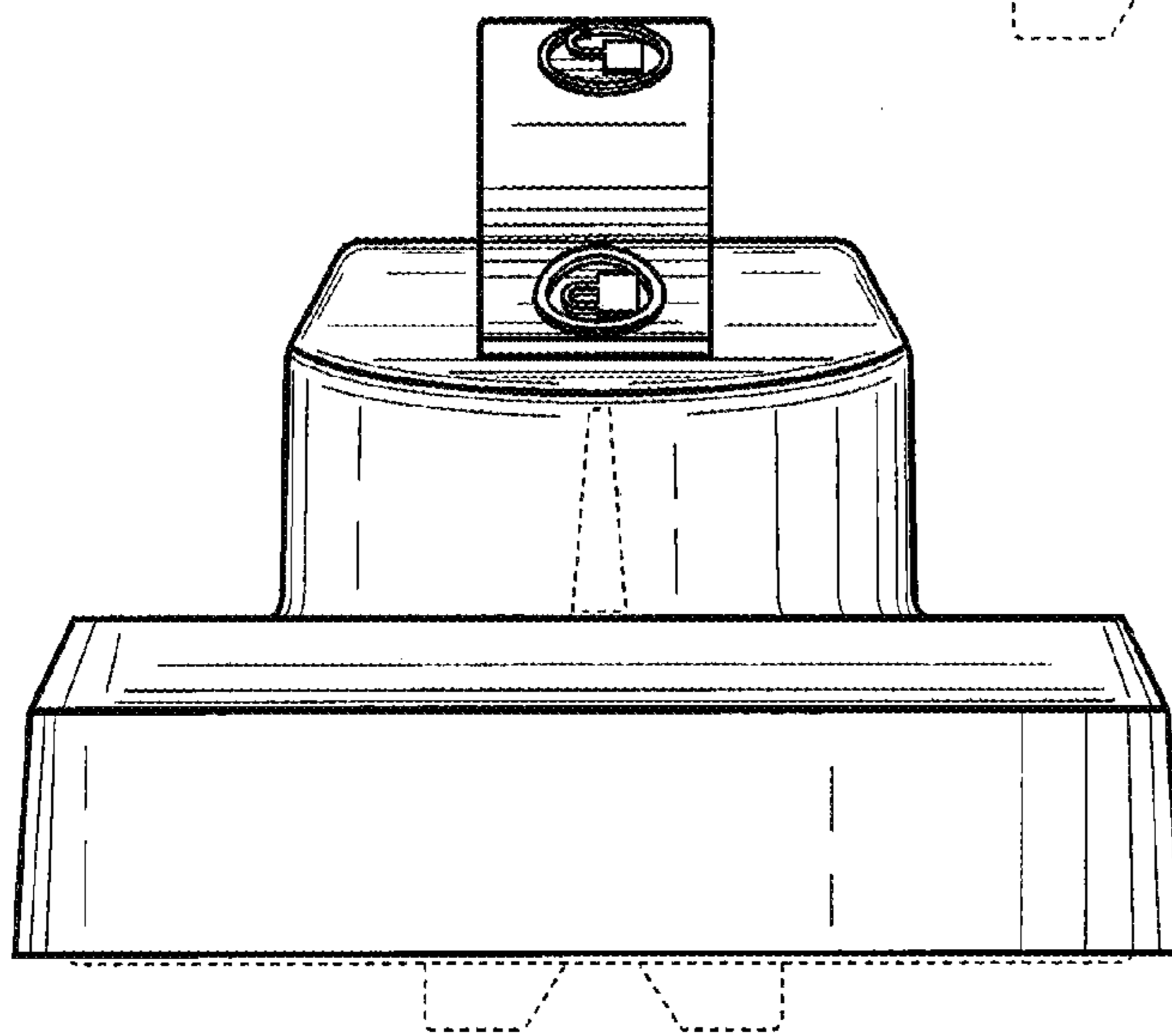


FIG. 34

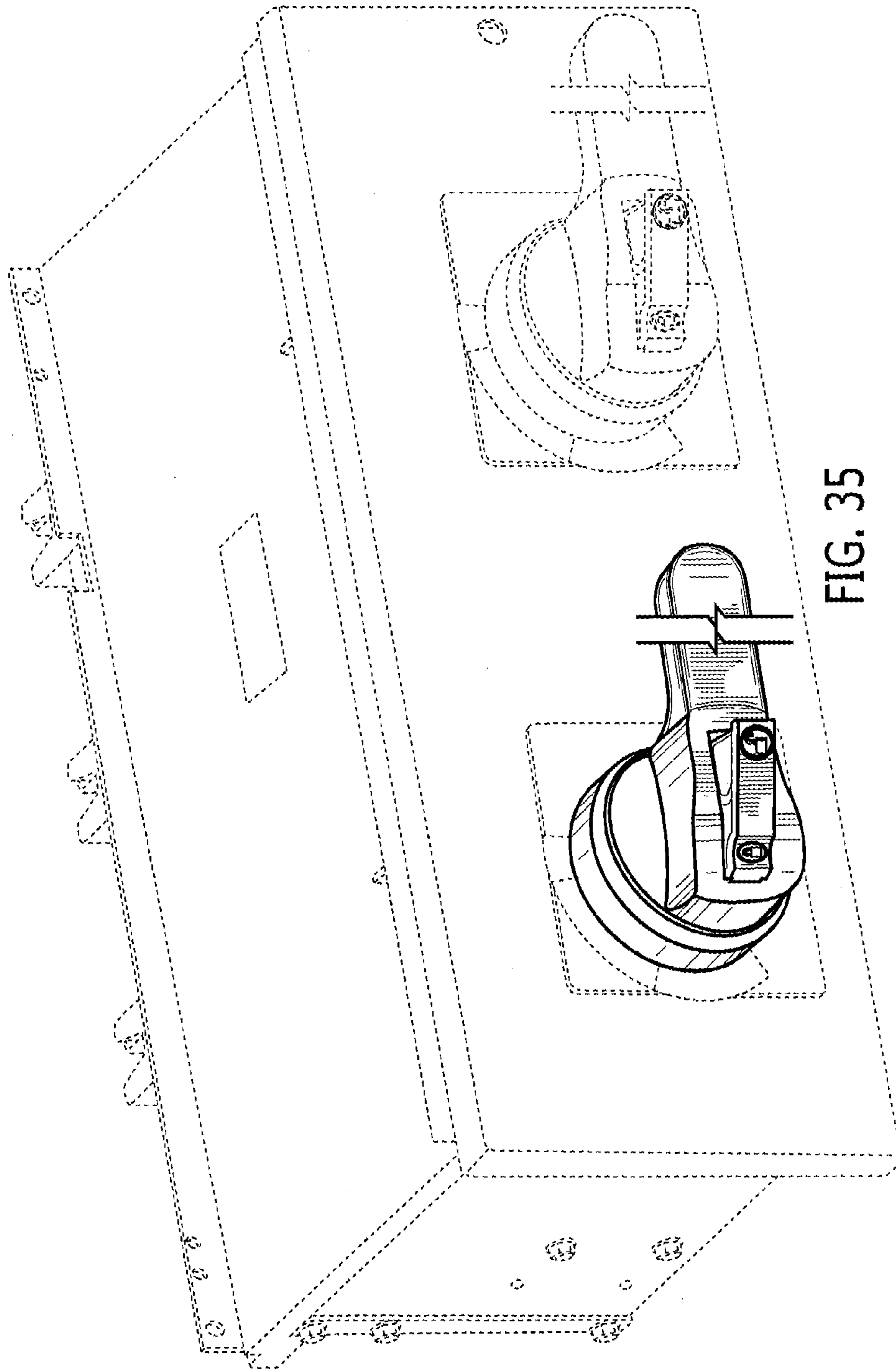


FIG. 35

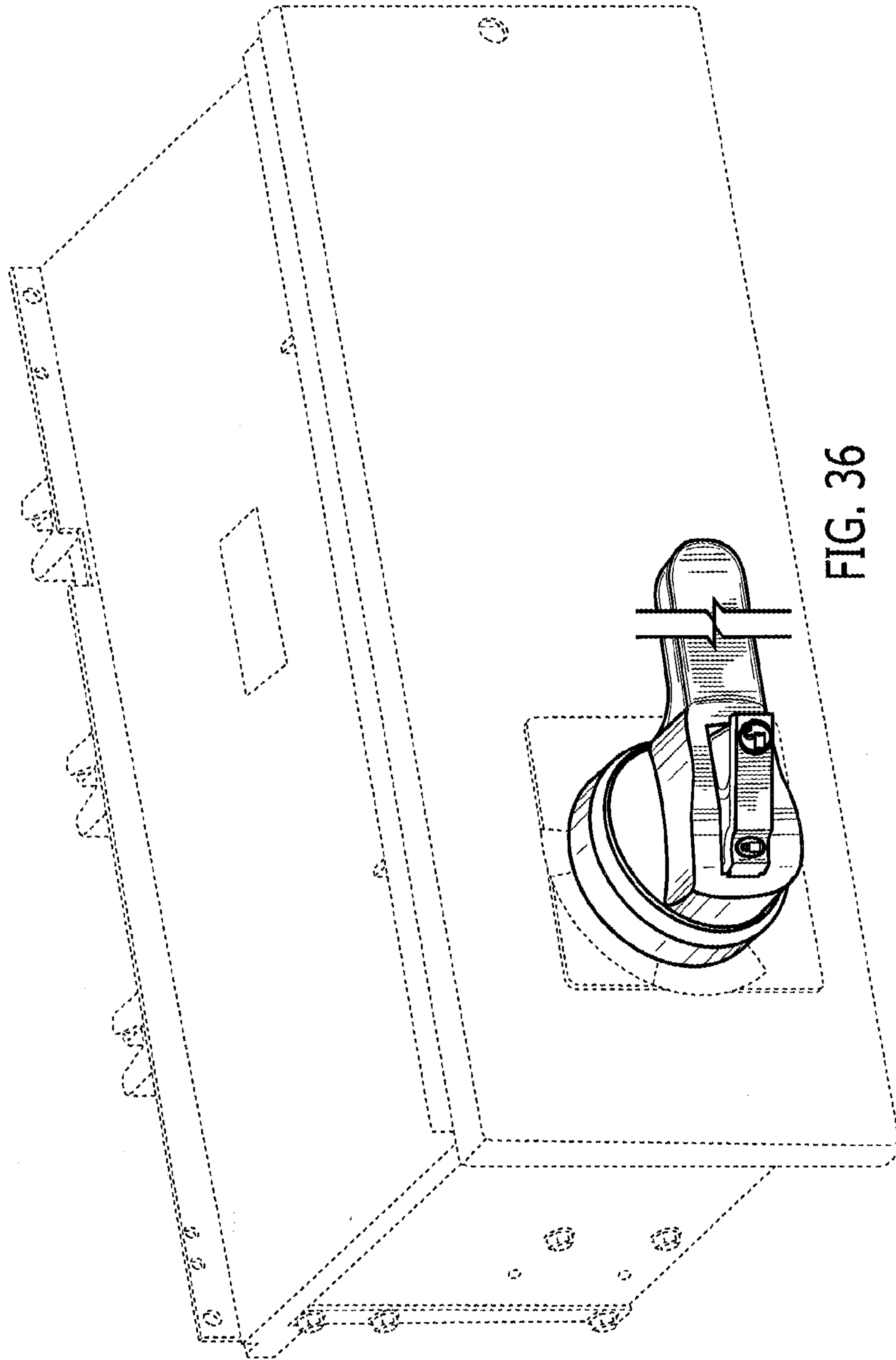


FIG. 36