



US00D743305S

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

(10) **Patent No.:** **US D743,305 S**

(45) **Date of Patent:** **** Nov. 17, 2015**

(54) **WHEELCHAIR CASTOR POSTS**

(71) Applicants: **Stryker Corporation**, Kalamazoo, MI (US); **Michael Graves Design Group, Inc.**, Princeton, NJ (US)

(72) Inventors: **William Dwight Childs**, Plainwell, MI (US); **Anish Paul**, Portage, MI (US); **Steven Lee Birman**, Otsego, MI (US); **Michael E. Graves**, Princeton, NJ (US); **Donald S. Strum**, Princeton, NJ (US); **Robert B. Van Varick**, Yardley, PA (US); **Joseph A. McCarry**, Princeton, NJ (US)

(73) Assignee: **Stryker Corporation**, Kalamazoo, MI (US)

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

(21) Appl. No.: **29/486,311**

(22) Filed: **Mar. 28, 2014**

Related U.S. Application Data

(62) Division of application No. 29/428,117, filed on Jul. 26, 2012, now Pat. No. Des. 705,134.

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

(52) **U.S. Cl.**
USPC **D12/133**

(58) **Field of Classification Search**
USPC D12/129-133; D15/5
CPC A61G 5/00-5/14; F02F 3/10
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

371,373 A 10/1887 Scarritt
902,092 A 10/1908 Latimer
1,856,297 A 5/1932 Marie et al.

D122,922 S * 10/1940 Flammang et al. D15/5
D138,548 S * 8/1944 Toce et al. 123/71 R
2,591,246 A 4/1952 Everest et al.
2,609,864 A 9/1952 Gates, Jr.
2,746,527 A 5/1956 Liebich
2,841,208 A 7/1958 Duke
3,185,527 A 5/1965 Pivacek
3,854,774 A 12/1974 Limpach
3,857,606 A 12/1974 Rodaway

(Continued)

Primary Examiner — Susan Bennett Hattan

Assistant Examiner — Charles Hanson

(74) *Attorney, Agent, or Firm* — Warner Norcross & Judd LLP

(57) **CLAIM**

The ornamental design for the wheelchair castor posts, as shown and described.

DESCRIPTION

FIG. 1 is a rear perspective view of the wheelchair castor posts of the present invention;

FIG. 2 is a front perspective view of the wheelchair castor posts of FIG. 1;

FIG. 3 is an enlarged front perspective view of the wheelchair castor posts of FIG. 1 shown with most of the unclaimed environment (dashed lines) removed for better clarity;

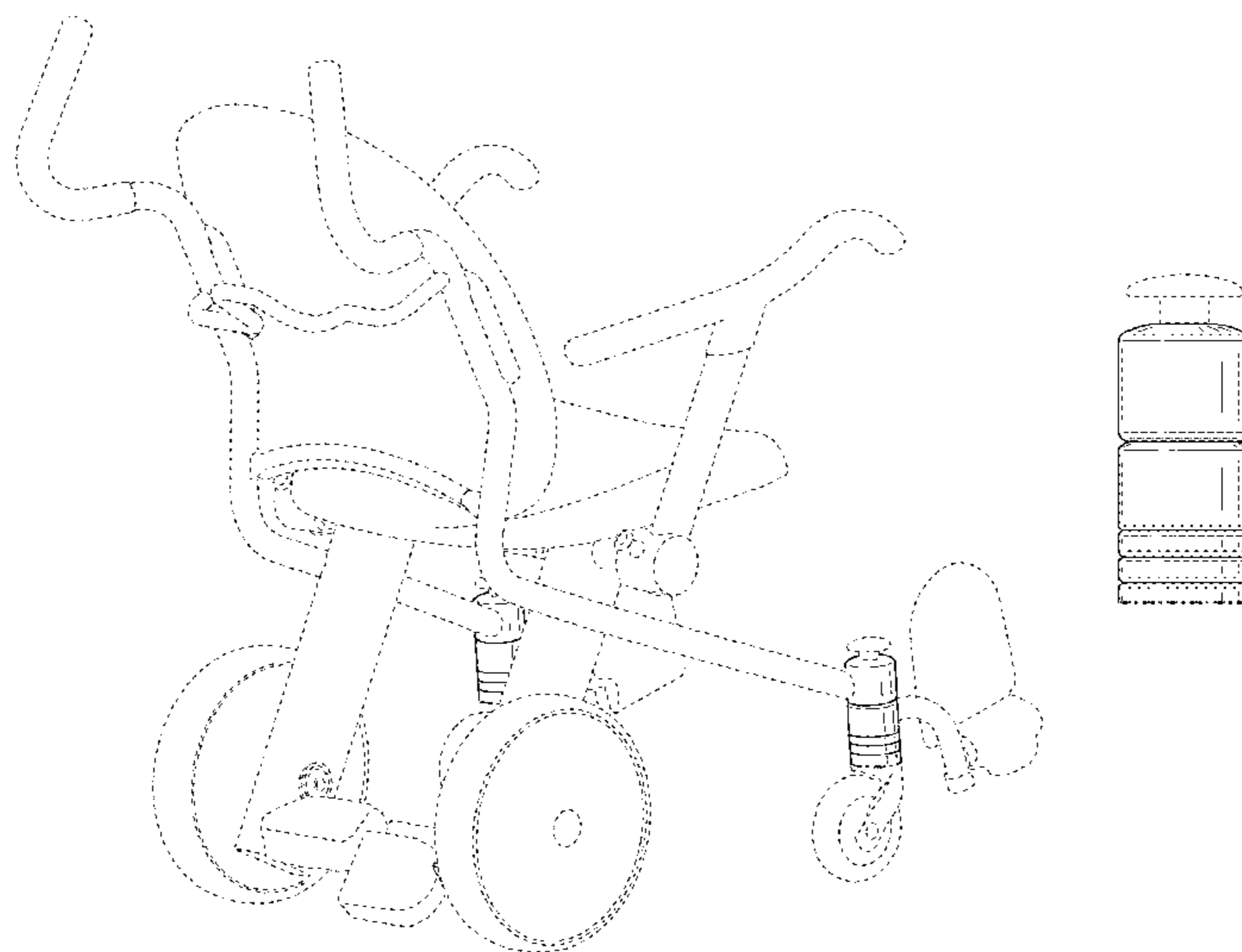
FIG. 4 is a front elevation view of the wheelchair castor posts of FIG. 3;

FIG. 5 is a right side elevation view of the wheelchair castor posts of FIG. 3, which is substantially a mirror image of the left side elevation view of the wheelchair castor posts;

FIG. 6 is a rear elevation view of the wheelchair castor posts of FIG. 3; and,

FIG. 7 is a plan view of the wheelchair castor posts of FIG. 3. The dashed broken lines illustrate the environment of the designs, while the dot-dash broken lines represent boundary lines of the designs. None of the broken lines form any part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,906,923	A *	9/1975	Harker	F02F 3/10 123/193.4	6,352,138	B1	3/2002	Duran et al.
3,990,744	A	11/1976	Rodaway		6,352,307	B1	3/2002	Engman
4,176,879	A	12/1979	Rodaway		6,499,756	B2	12/2002	Amirola
RE30,954	E	6/1982	Smith et al.		D475,324	S *	6/2003	Hallgrimsson D12/118
4,428,594	A *	1/1984	Minnebraker	A61G 5/00 16/30	6,572,195	B1	6/2003	Lee
4,486,048	A	12/1984	Meyer		6,578,915	B2	6/2003	Jonas et al.
4,572,577	A	2/1986	LaRue		6,598,712	B1	7/2003	Sun
4,593,929	A	6/1986	Williams		6,659,560	B1	12/2003	Chi
4,707,026	A	11/1987	Johansson		6,883,871	B2	4/2005	Nae et al.
4,722,572	A	2/1988	Sata		7,036,838	B2	5/2006	Leffler
4,733,755	A	3/1988	Manning		7,175,004	B2	2/2007	Kassai et al.
4,770,467	A	9/1988	Zinn		7,185,952	B1	3/2007	Chen et al.
4,790,553	A	12/1988	Okamoto		7,243,997	B1	7/2007	Tornero
4,805,259	A	2/1989	Kassai		7,367,432	B2	5/2008	Chen
4,953,667	A	9/1990	Bigo		7,367,578	B2	5/2008	Jansen
4,985,690	A	1/1991	Eguchi et al.		7,404,567	B2	7/2008	Moller
4,988,114	A	1/1991	Thornton, Jr. et al.		7,487,989	B2	2/2009	Crosby, II
4,997,066	A	3/1991	Bigo		D592,373	S *	5/2009	Evans D12/133
5,112,076	A	5/1992	Wilson		7,527,335	B2	5/2009	Eberlein et al.
5,191,675	A	3/1993	Ishikura		7,537,093	B2	5/2009	Chen
5,242,138	A	9/1993	Kornberg		D598,816	S	8/2009	Ahlbertz
5,370,408	A	12/1994	Eagan		7,571,966	B2	8/2009	Chen et al.
5,378,041	A	1/1995	Lee		D599,257	S *	9/2009	Gower D12/129
5,379,866	A	1/1995	Pearce et al.		7,635,142	B2	12/2009	Slagerman
5,415,459	A	5/1995	Schultz		7,708,119	B2	5/2010	Chen
5,419,571	A	5/1995	Vaughan		7,832,805	B1	11/2010	Lai
5,482,125	A *	1/1996	Pagett	A61G 5/042 180/6.32	7,988,171	B2	8/2011	Chong
D383,761	S *	9/1997	Huntzinger	D15/5	8,104,838	B2	1/2012	Tsai
5,713,591	A	2/1998	Zarkhin et al.		D665,587	S	8/2012	Lloyd et al.
5,765,665	A	6/1998	Cheng et al.		D673,083	S *	12/2012	Daff D12/133
5,984,334	A	11/1999	Dugas		8,490,757	B2	7/2013	Chen et al.
6,022,042	A	2/2000	Hartenstine		D688,907	S	9/2013	Smith et al.
6,053,578	A	4/2000	van Hekken et al.		D704,600	S *	5/2014	Britton D12/129
6,203,101	B1	3/2001	Chou et al.		D713,422	S *	9/2014	Muscas D15/5
D439,869	S	4/2001	Kjell et al.		2004/0099487	A1	5/2004	Melgarejo
6,234,576	B1	5/2001	Fleigle		2004/0178025	A1	9/2004	Zweideck
6,264,007	B1	7/2001	Norton et al.		2006/0151259	A1	7/2006	Tomasi et al.
6,273,443	B1	8/2001	Fleigle		2006/0261659	A1	11/2006	Dykes
D448,278	S *	9/2001	Chi	D12/133	2007/0057561	A1	3/2007	Liao
6,296,313	B1	10/2001	Wu		2009/0085317	A1	4/2009	Livengood et al.
6,341,671	B1	1/2002	Ebersole		2010/0007114	A1	1/2010	Papi et al.
					2010/0025969	A1	2/2010	Kent et al.
					2010/0123346	A1	5/2010	Lin
					2010/0301574	A1	12/2010	Derks et al.
					2011/0175329	A1	7/2011	Gingras et al.
					2011/0227314	A1	9/2011	Lowenthal et al.

* cited by examiner

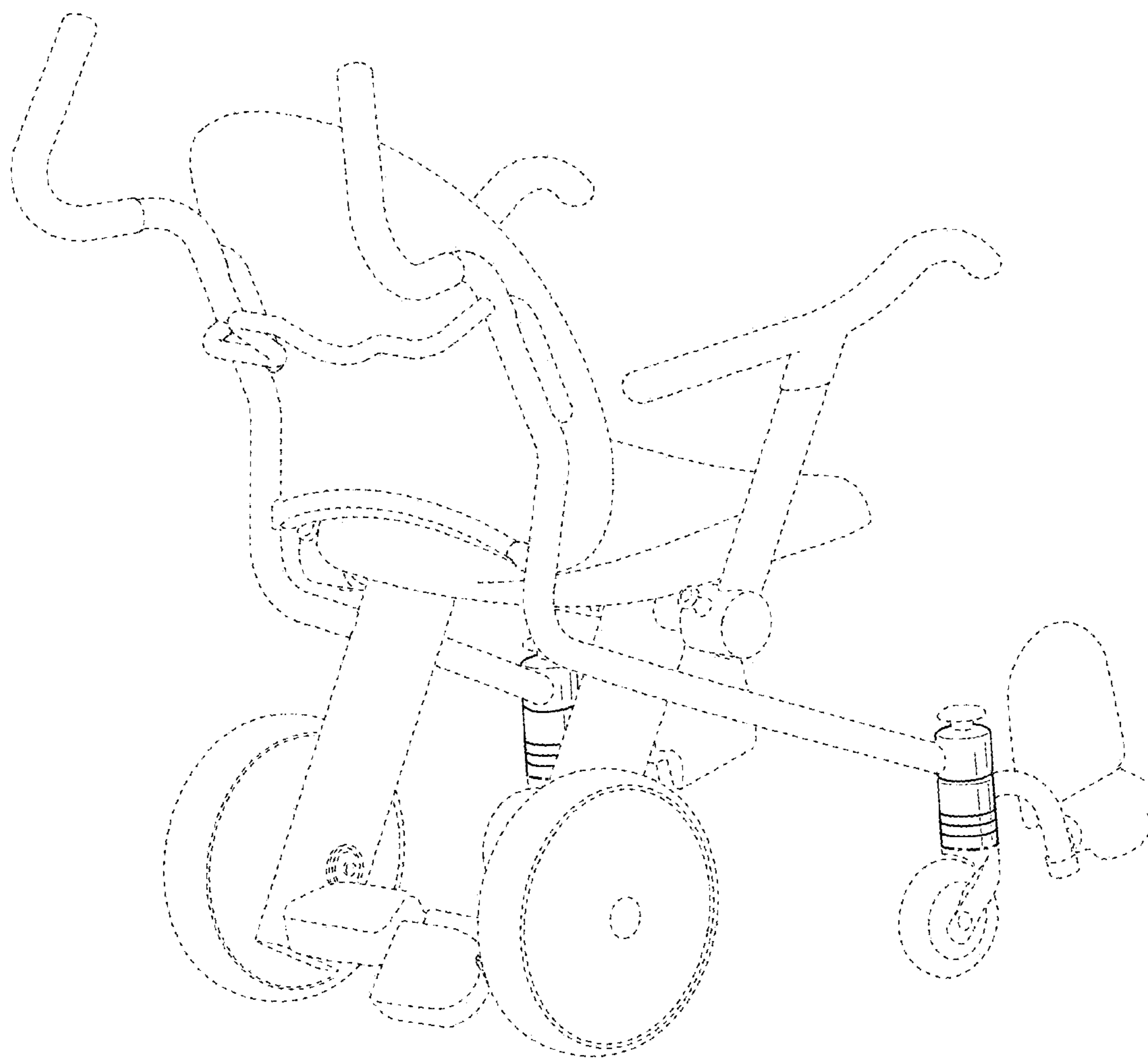


FIG. 1

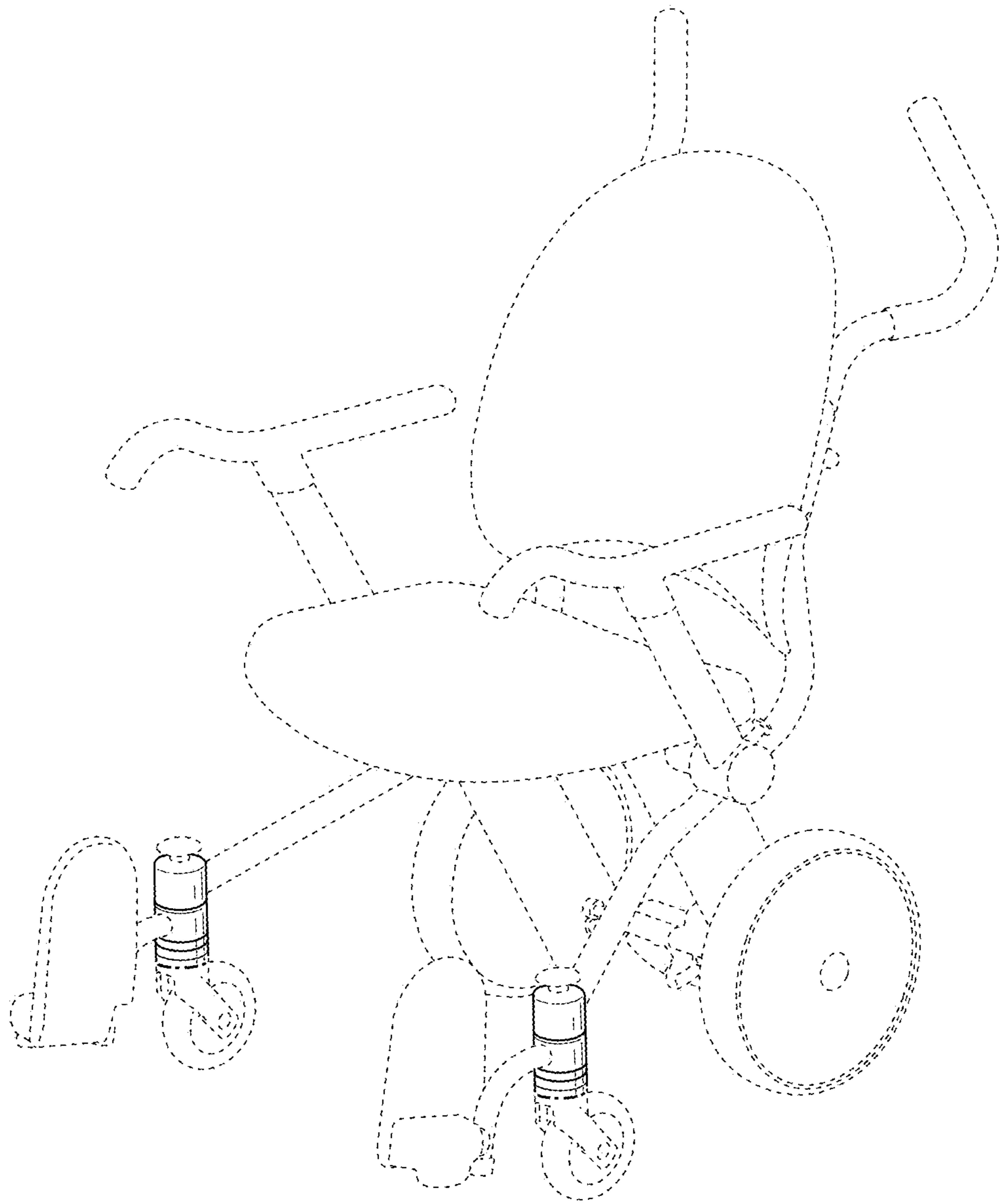
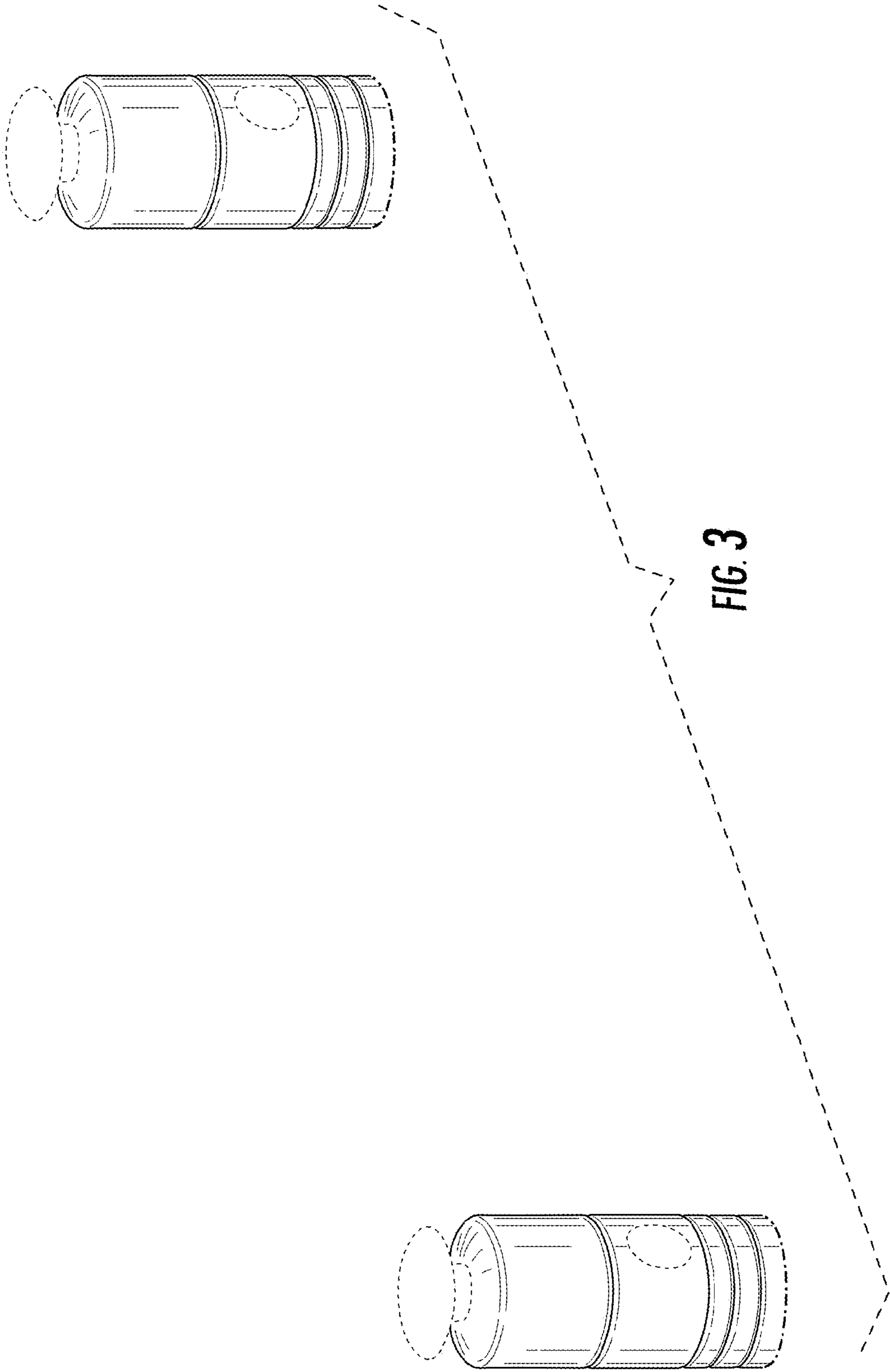


FIG. 2



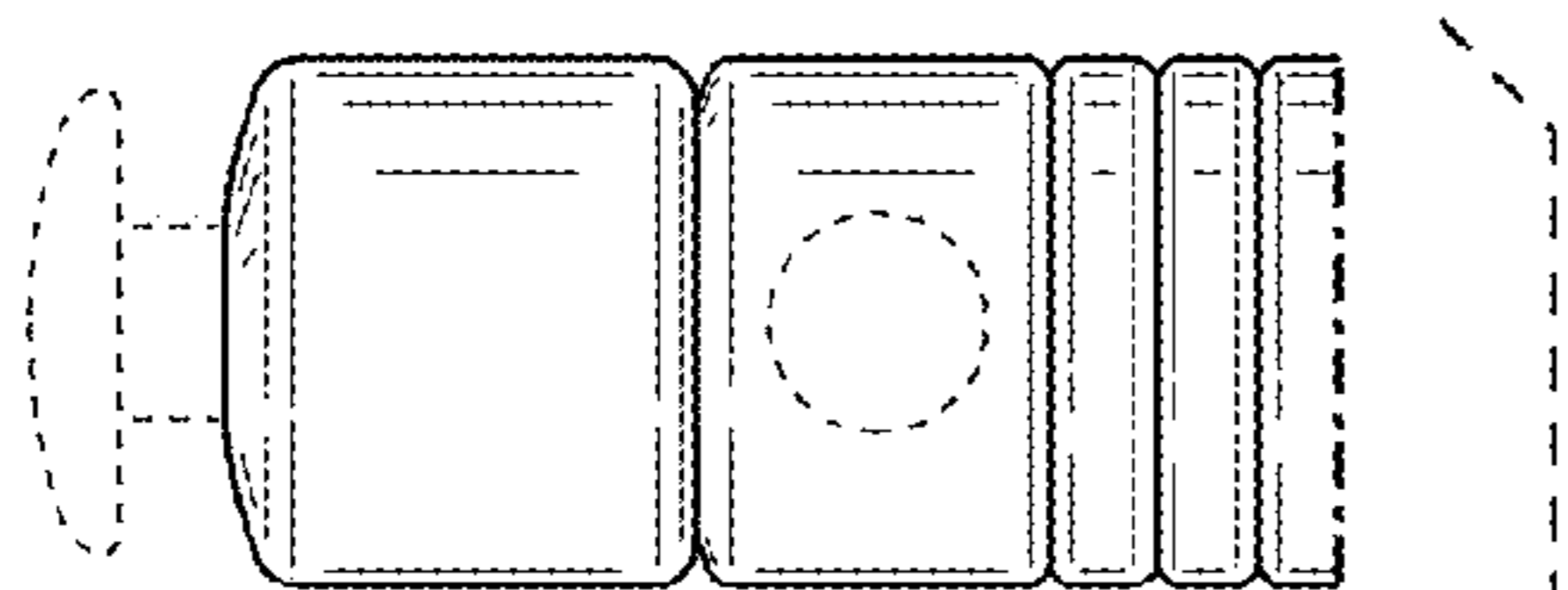


FIG. 4

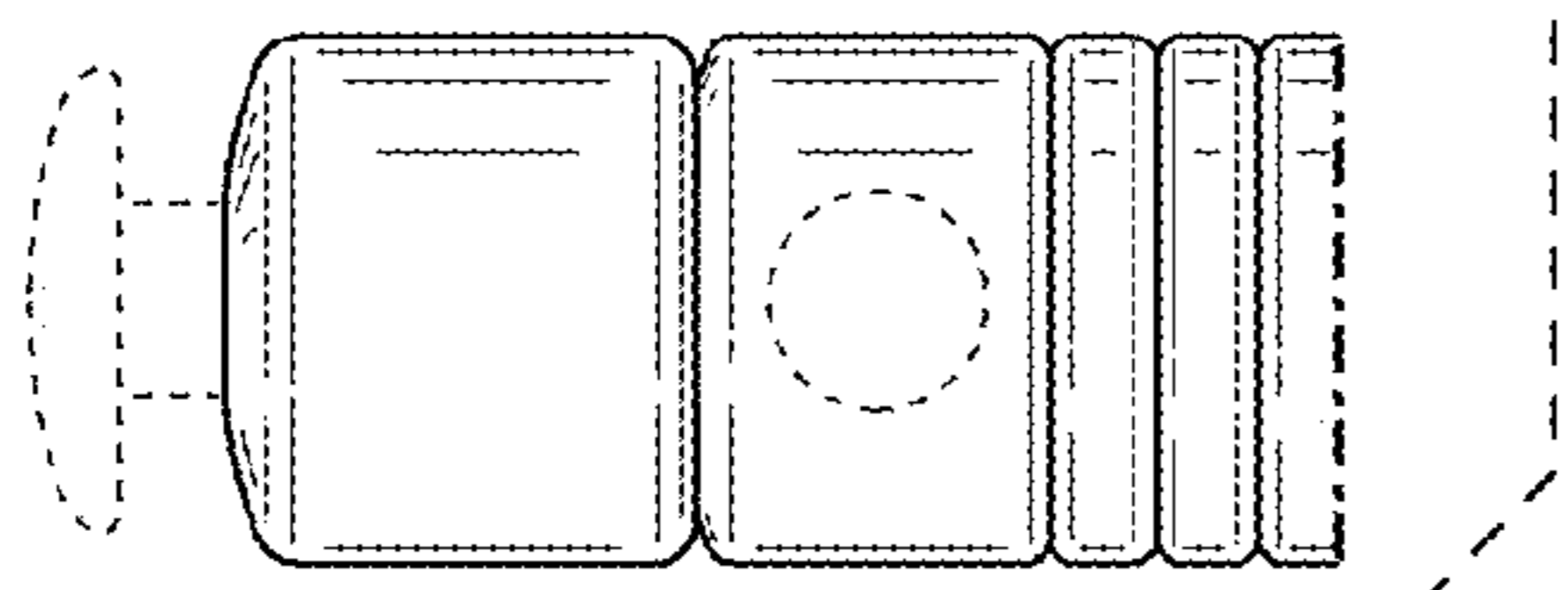
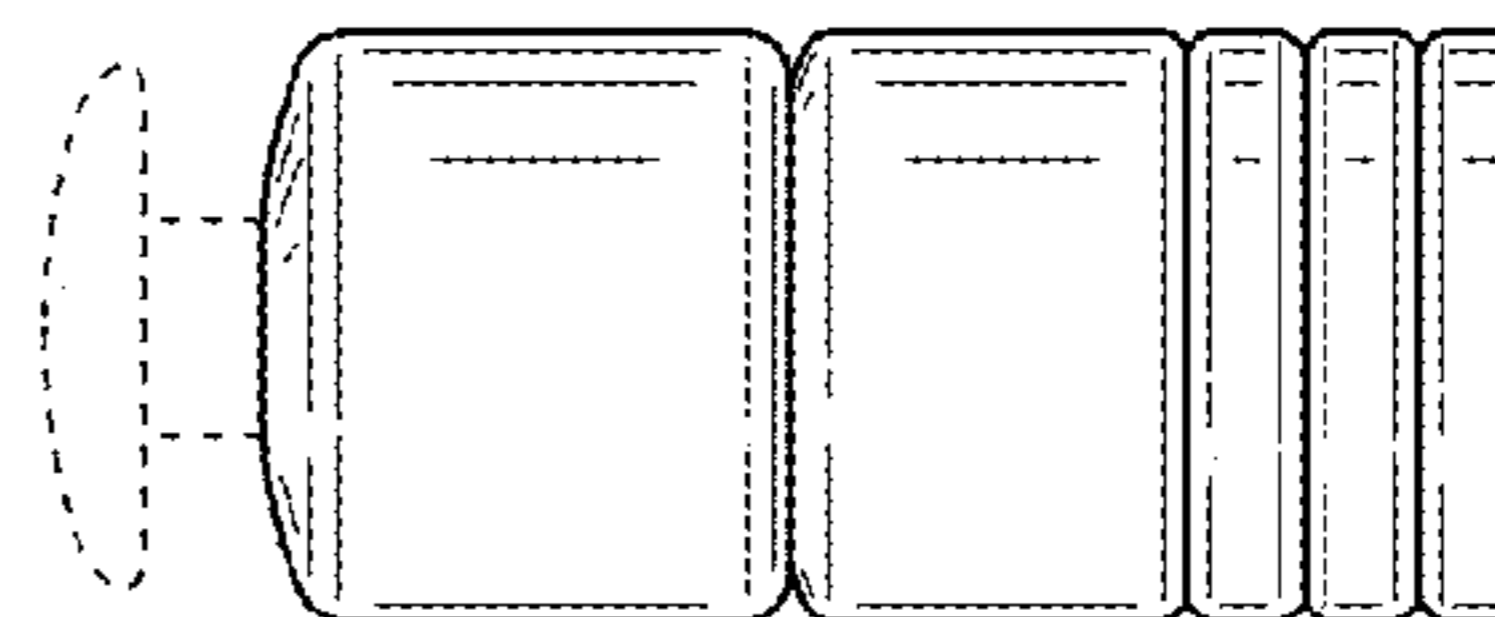


FIG. 5



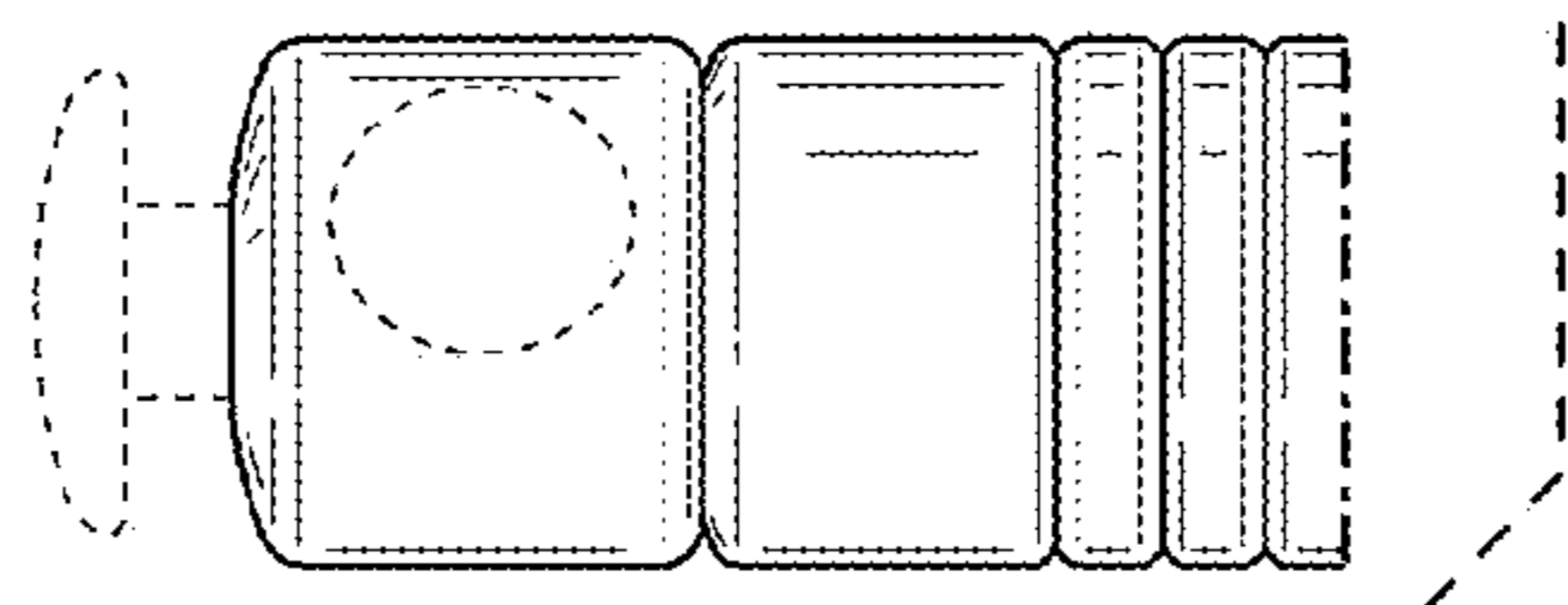
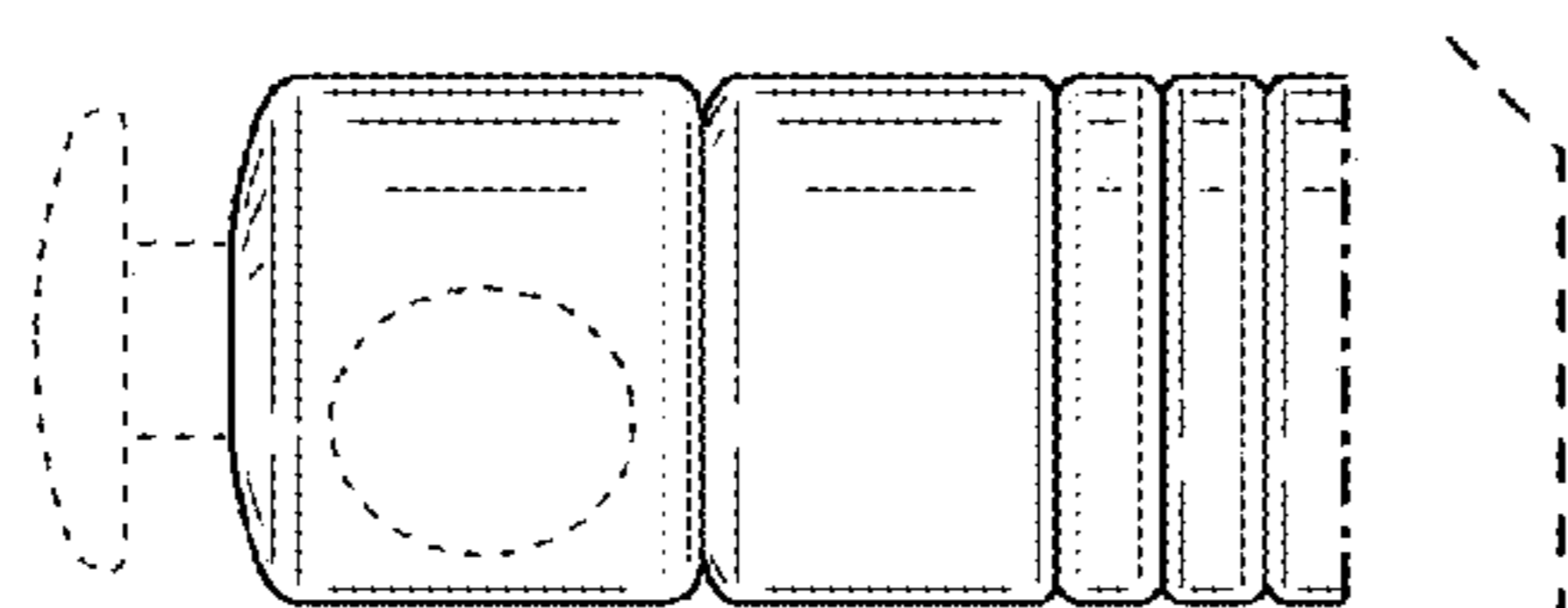


FIG. 6

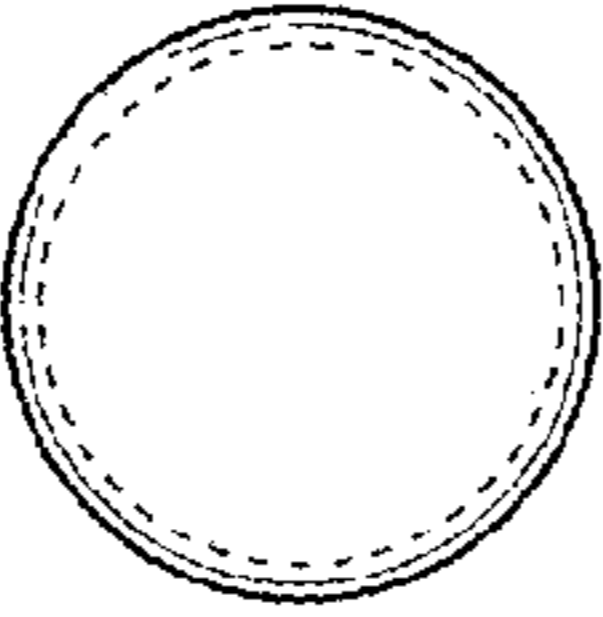
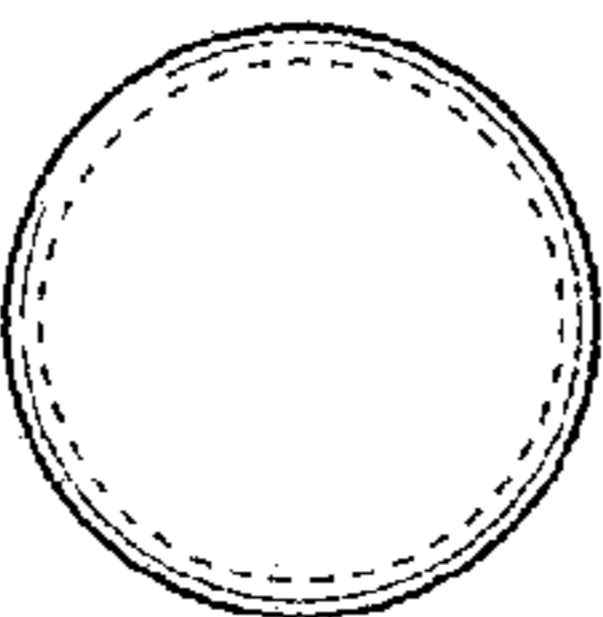


FIG. 7