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

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(54) **NASOGASTRIC TUBE SECUREMENT DEVICE**

(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)

(72) Inventors: **Jener De Oliveira**, São Paulo (BR); **Felipe S. R. Bizarria**, São Paulo (BR); **Steven B. Heinecke**, New Richmond (MN); **Richard L. Jacobson**, Stillwater, MN (US)

(73) Assignee: **3M Innovative Properties Company**, St. Paul, MN (US)

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

(21) Appl. No.: **29/617,493**

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(51) **LOC (11) Cl.** **24-04**

(52) **U.S. Cl.**
USPC **D24/189**

(58) **Field of Classification Search**
USPC D24/127, 128, 132, 133, 185–189, 110, D24/124–126, 190–193, 199, 200, 206, D24/209, 210, 212–215, 106; D29/100, D29/108, 120.1, 121.1, 121.2; D30/146
CPC A41D 13/065; A41D 13/08; A41D 13/05; A41D 13/0568; A61M 2210/0618; A61M 2025/0226; A61M 25/02
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D162,111	S *	2/1951	Austin	36/140
3,046,989	A *	7/1962	Hill	A61M 25/02 128/207.18

(Continued)

FOREIGN PATENT DOCUMENTS

BR	PI08026556	3/2010
CN	200960222	10/2007

(Continued)

OTHER PUBLICATIONS

Can Med Direct. Hollister 9785—Suction tube attachment device (nasogastric), BX 20. 2017 [earliest online date], [site visited May 8, 2018]. Available from Internet, <URL:https://www.canmeddirect.ca/hollister-9785-bx-20-suction-tube-attachment-device-nasogastric.html>. (Year: 2017).*

Primary Examiner — Eric L Goodman
Assistant Examiner — Darcey E Heflin

(57) **CLAIM**

The ornamental design for a nasogastric tube securement device, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a first embodiment of a nasogastric tube securement device, showing the new design;
FIG. **2** is a top plan view thereof;
FIG. **3** is a bottom plan view thereof;
FIG. **4** is a front side elevational view thereof;
FIG. **5** is a rear side elevational view thereof;
FIG. **6** is a right side elevational view thereof; and
FIG. **7** is a left side elevational view thereof.
FIG. **8** is a front perspective view of a second embodiment of the nasogastric tube securement device, showing the new design;
FIG. **9** is a top plan view thereof;
FIG. **10** is a bottom plan view thereof;
FIG. **11** is a front side elevational view thereof;
FIG. **12** is a rear side elevational view thereof;
FIG. **13** is a right side elevational view thereof; and,
FIG. **14** is a left side elevational view thereof.

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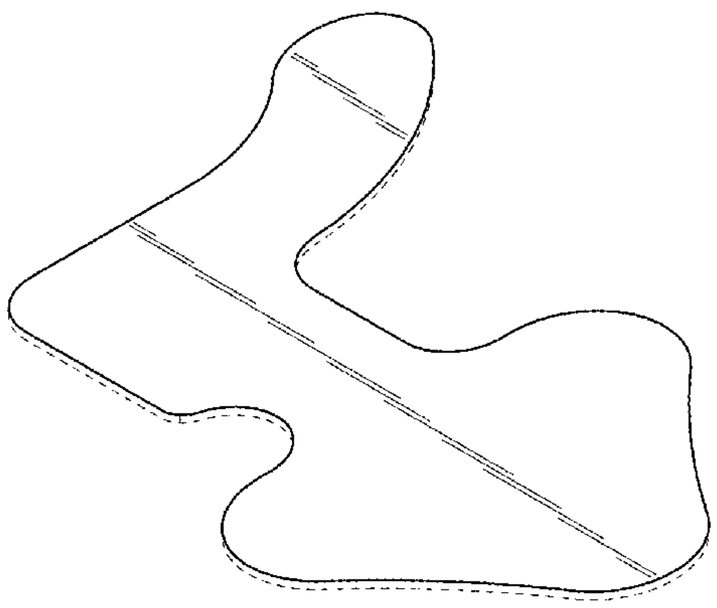
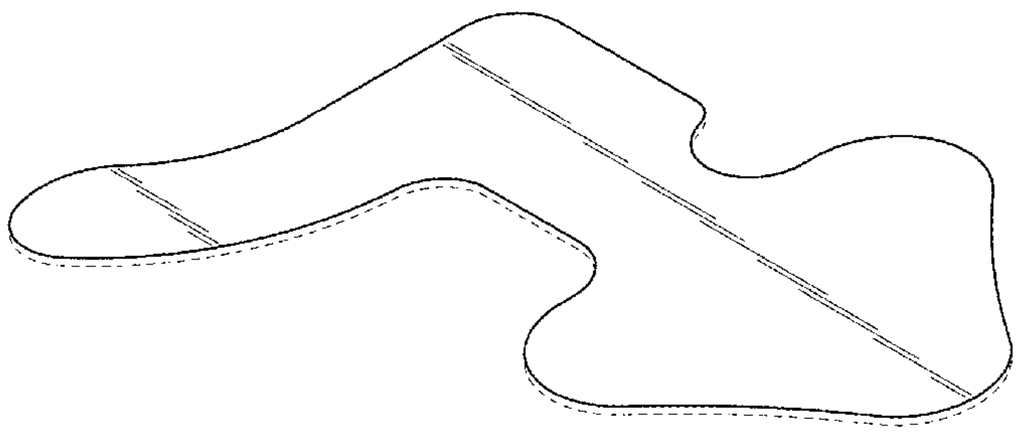




The broken line showing illustrates the non-claimed features within the design for the claimed article of manufacture.

1 Claim, 4 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

D239,142	S	*	3/1976	Arlucl	D24/190
4,170,981	A		10/1979	Hakata	
D300,854	S	*	4/1989	Singletary, Jr.	D24/118
4,823,789	A		4/1989	Beisang, III	
D310,721	S	*	9/1990	Beisang, III	D24/128
5,172,688	A		12/1992	Dillon	
D385,354	S	*	10/1997	Fabricant	D24/189
5,735,272	A		4/1998	Dillon	
6,424,128	B1		7/2002	Hiraki	
6,544,898	B2		4/2003	Polson	
D484,601	S	*	12/2003	Griffiths	D24/189
D658,299	S	*	4/2012	McGusty	D24/187
D658,814	S	*	5/2012	Wirtz	D29/108
D663,849	S	*	7/2012	McGusty	D24/187
D678,539	S	*	3/2013	Narson	D24/200
D679,392	S	*	4/2013	Peterson	D24/128
D751,212	S	*	3/2016	Moreland	D24/192
D757,289	S	*	5/2016	Chen	D24/215
D791,956	S	*	7/2017	Stewart	D24/187
D808,030	S	*	1/2018	Iwata	D24/192
D811,615	S	*	2/2018	Lind	D24/190
D813,403	S	*	3/2018	Hylton	D24/190
2001/0029954	A1		10/2001	Palmer	
2002/0143296	A1		10/2002	Russo	
2009/0292256	A1		11/2009	Cubberly	
2011/0245778	A1	*	10/2011	Chawki	A61M 25/02 604/180
2011/0253146	A1		10/2011	Jundt	
2012/0029435	A1		2/2012	Gutierrez Del Rio	
2013/0204190	A1	*	8/2013	Wilborn	A61M 25/02 604/180

FOREIGN PATENT DOCUMENTS

CN	201871101	6/2011
CN	201988023	9/2011
CN	202516138	11/2012
CN	203329057	12/2013
CN	204017100	12/2014
CN	204033988	12/2014
CN	204092799	1/2015
CN	205434652	8/2016
CN	205515922	8/2016
CN	205885948	1/2017
CN	106823104	6/2017
CN	206275900	6/2017
EP	0961630	12/1999
EP	1712249	10/2006
GB	934342	8/1963
GB	2123748	2/1984
JP	D1122858	10/2001
JP	D1128289	12/2001
JP	D1128784	12/2001
JP	2002-186671	7/2002
JP	2002-253602	9/2002
JP	2002-282300	10/2014
KR	3006743240000	12/2012
KR	3006743240001	12/2012
KR	3006743240002	12/2012
KR	3006743240003	1/2013
KR	2014-0022315	2/2014
WO	WO 1989-01349	2/1989
WO	WO 1994-28962	12/1994
WO	WO 2013-096103	6/2013
WO	WO 2013-162680	10/2013
WO	WO 2017-034907	3/2017
WO	WO 2017-034909	3/2017
WO	WO 2017-034911	3/2017
WO	WO 2017-034912	3/2017
WO	WO 2017-034913	3/2017

* cited by examiner

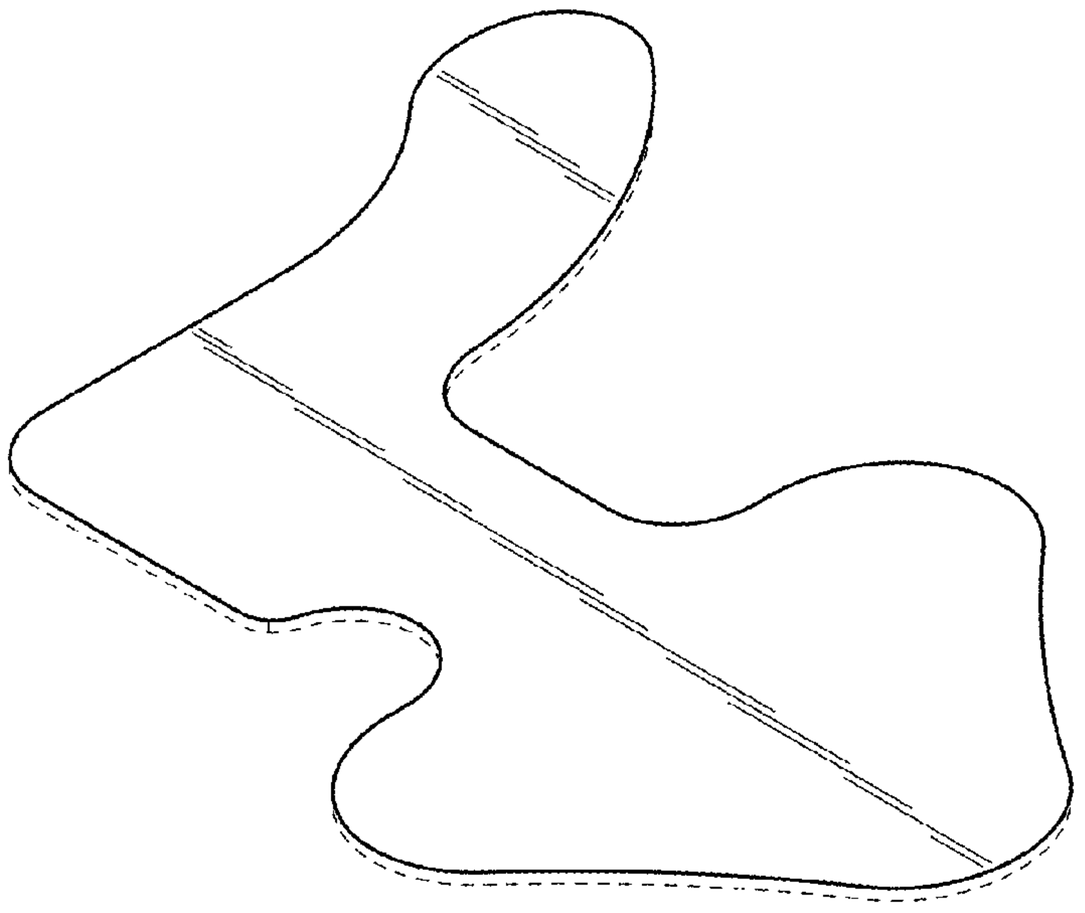


Fig. 1

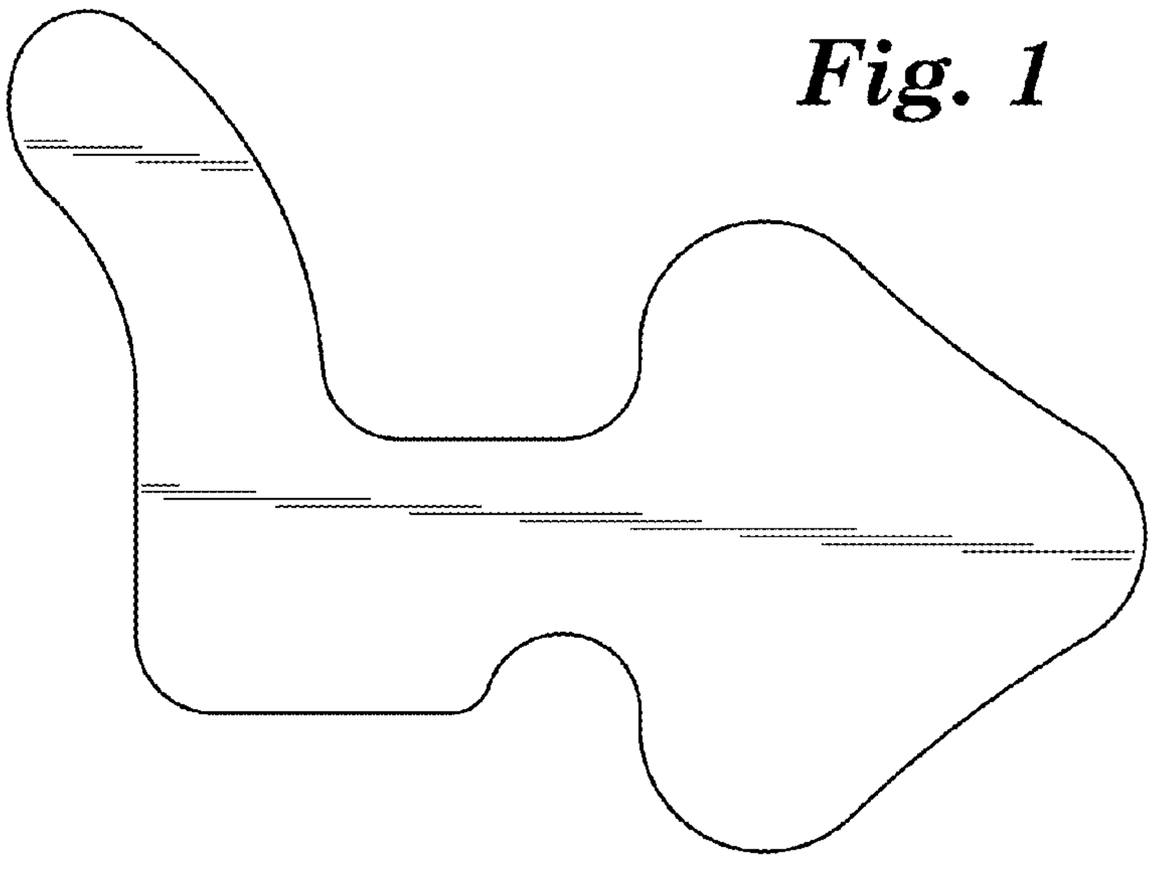
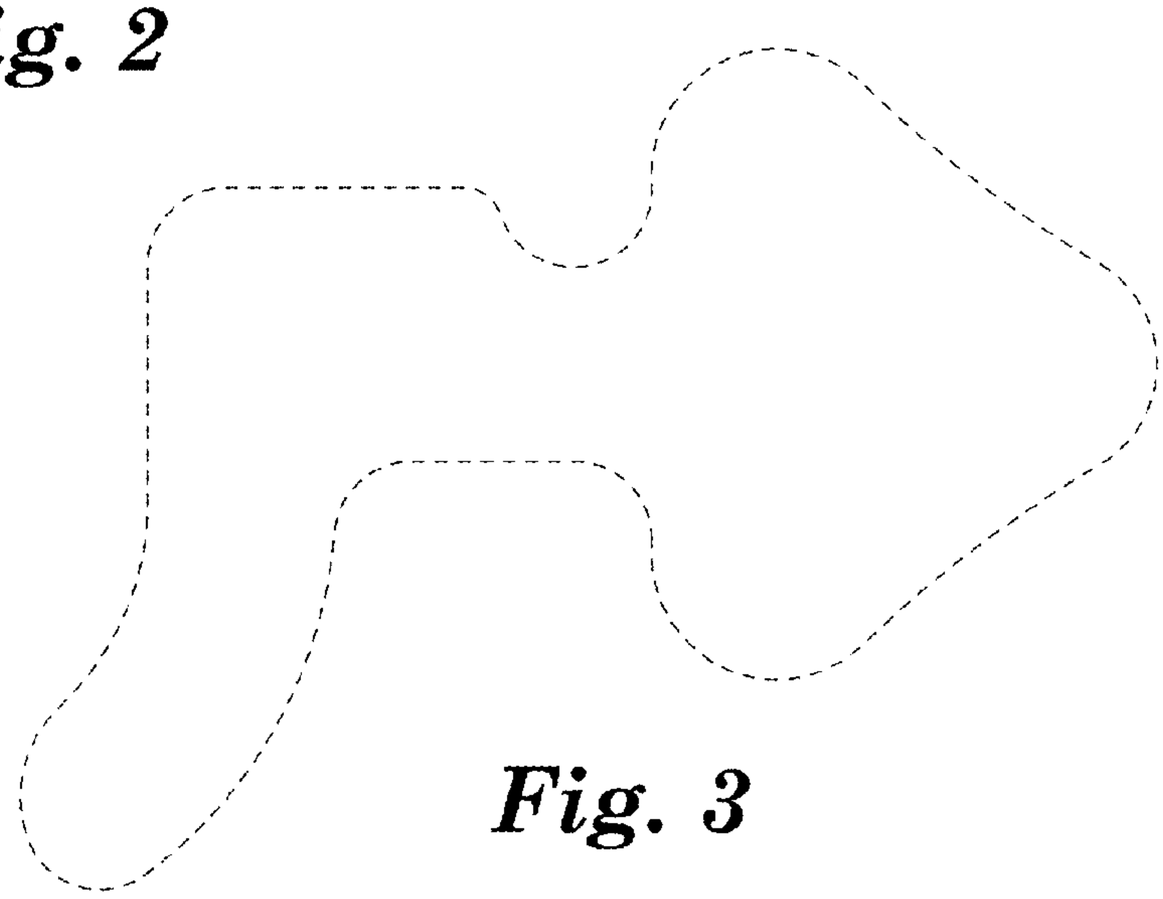


Fig. 2



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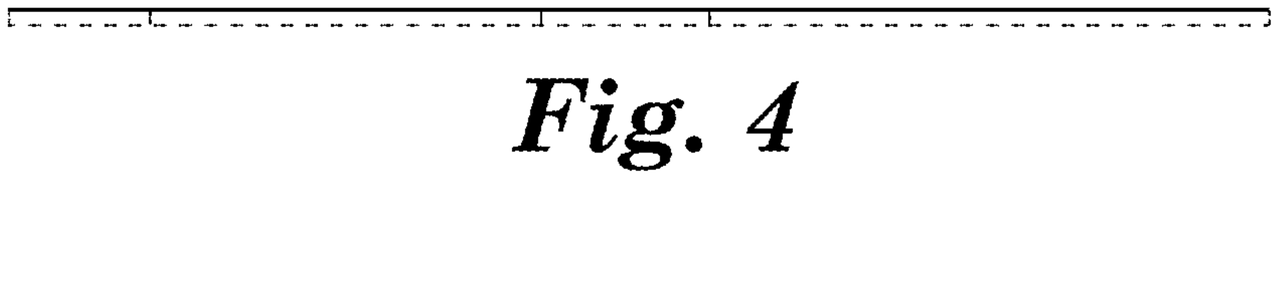

Fig. 4

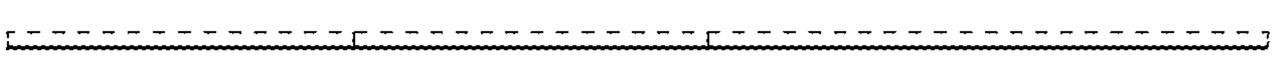

Fig. 5

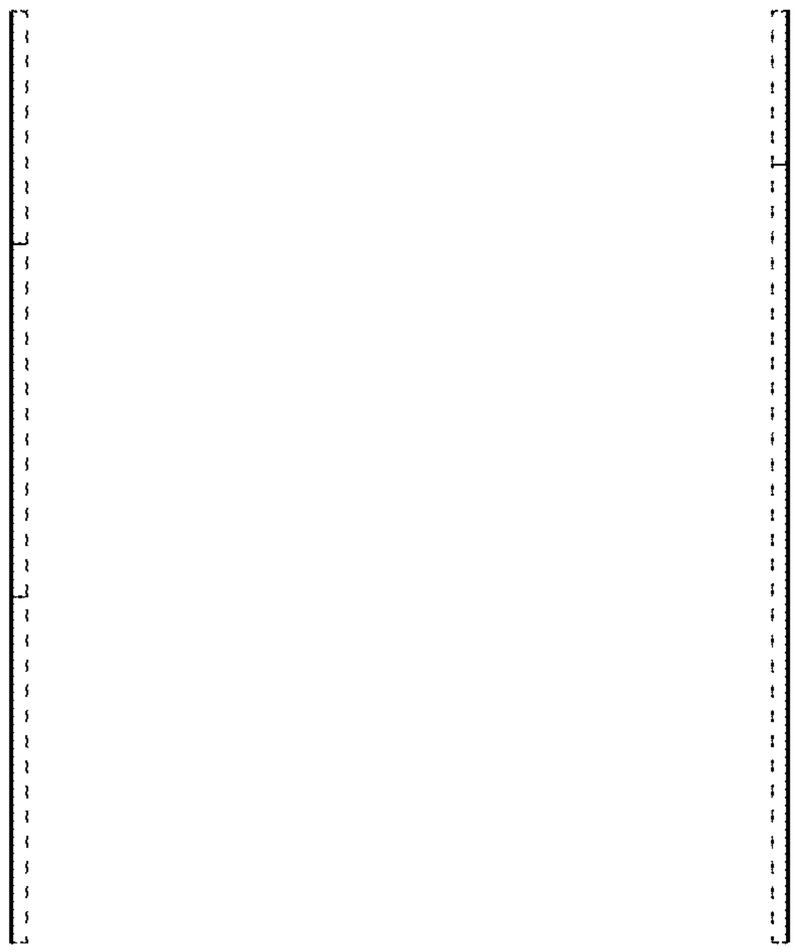

Fig. 6

Fig. 7

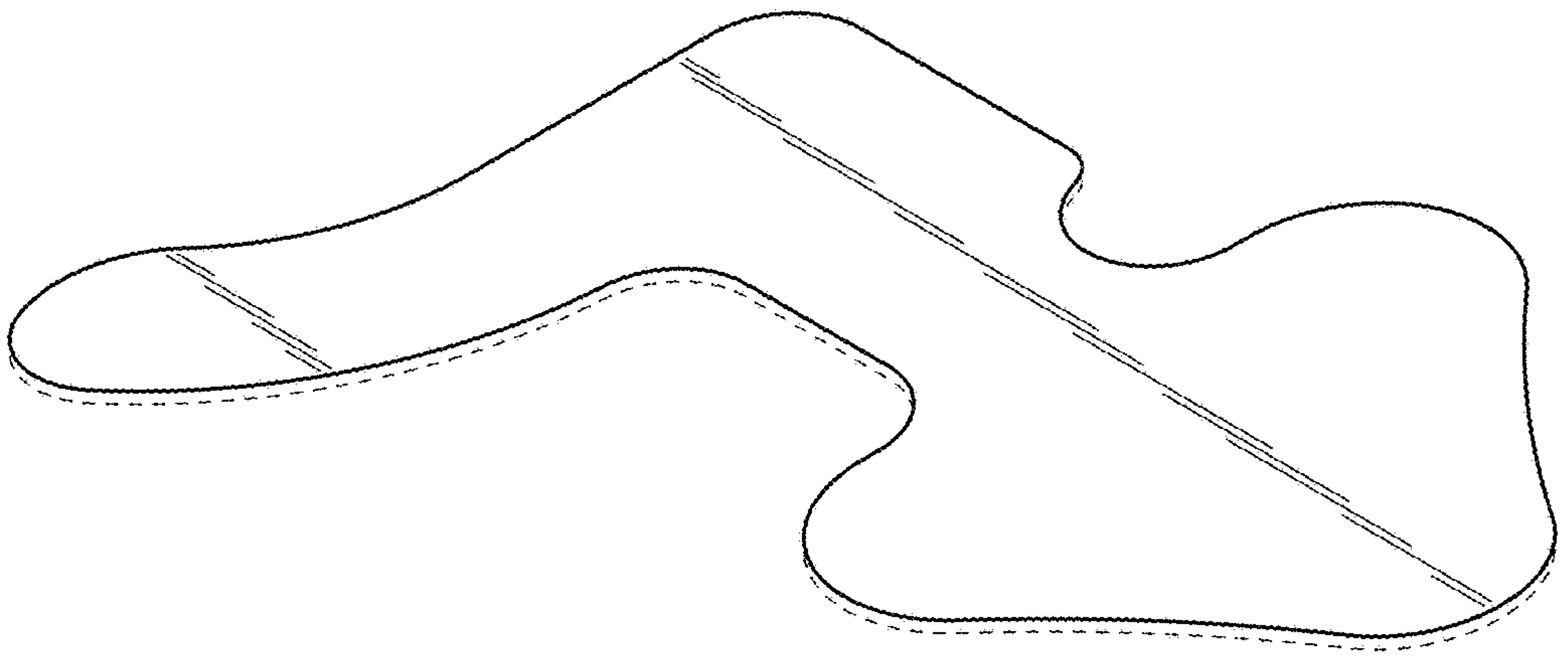

Fig. 8

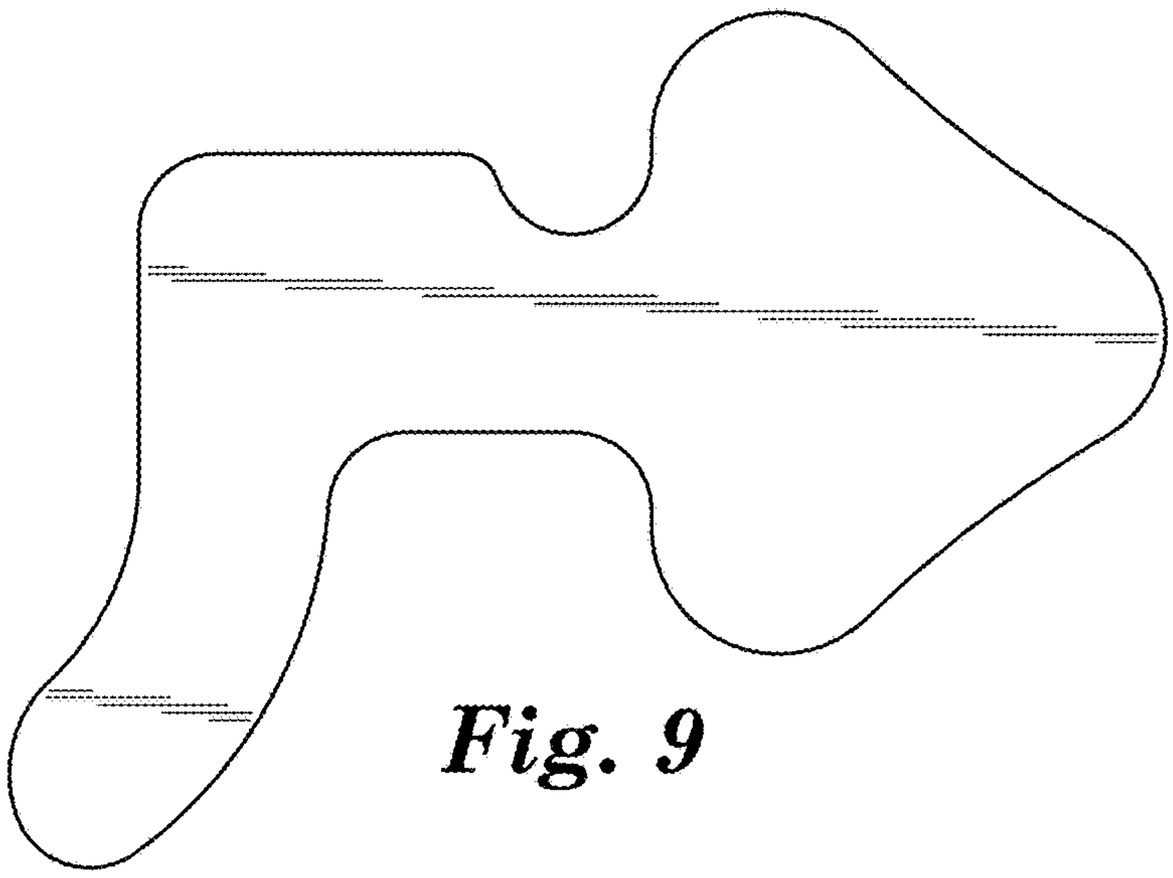

Fig. 9

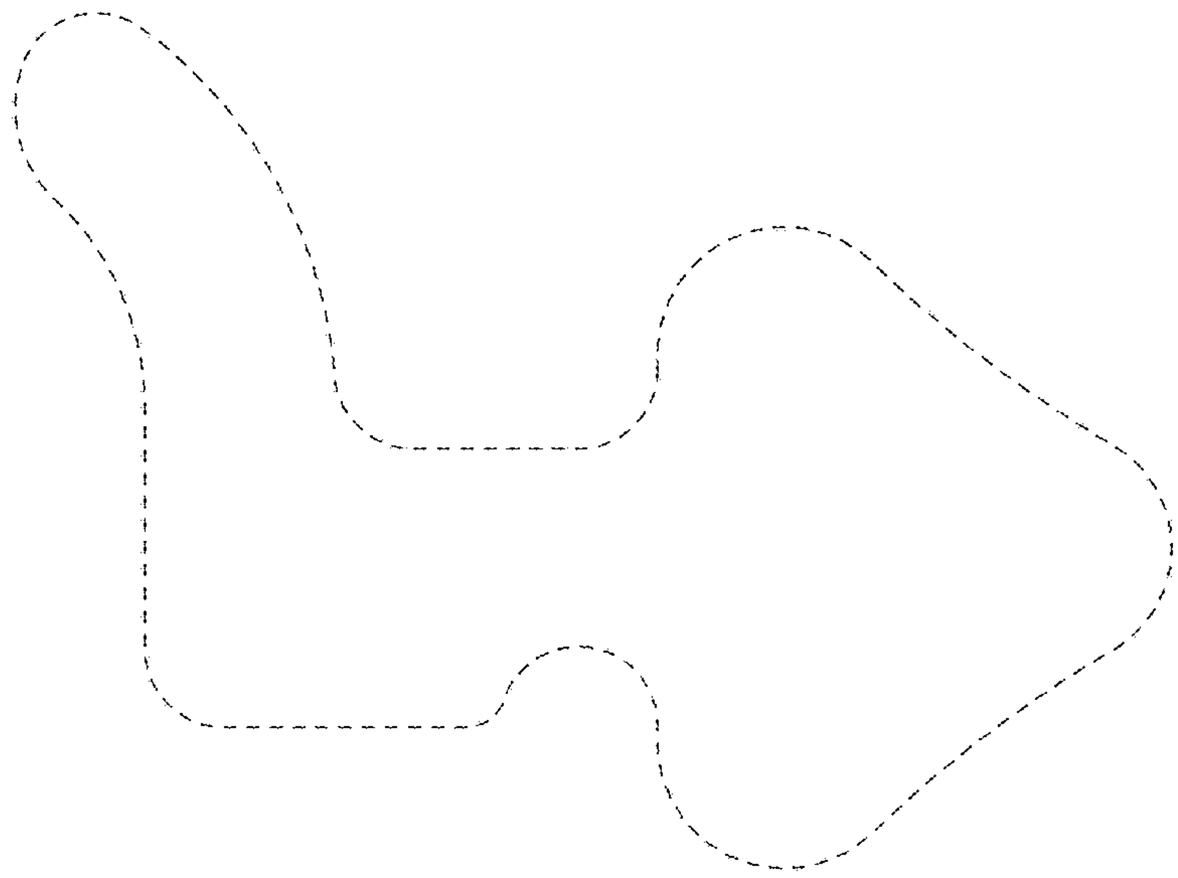

Fig. 10

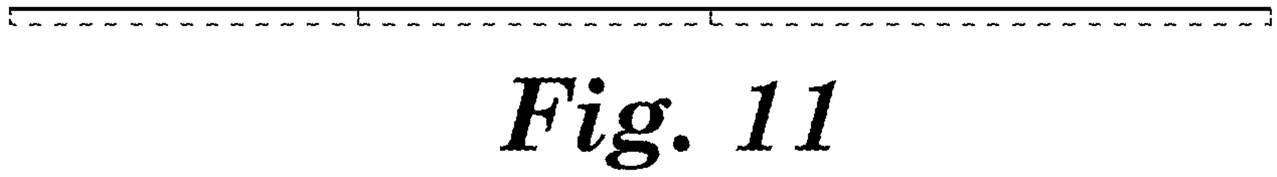

Fig. 11

Fig. 12

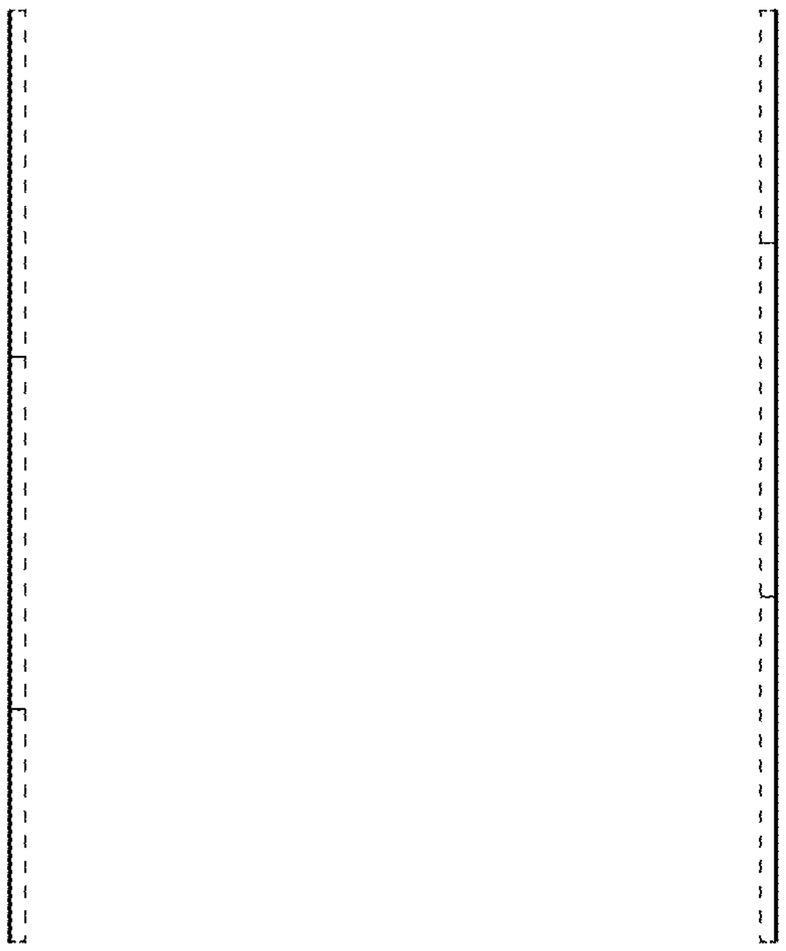

Fig. 13

Fig. 14