



US00D799709S

(12) **United States Design Patent** (10) **Patent No.:** **US D799,709 S**
Cox (45) **Date of Patent:** **** Oct. 10, 2017**

(54) **SUPPORT BRACE**

(71) Applicant: **Wesley Cox**, Fayetteville, AR (US)
(72) Inventor: **Wesley Cox**, Fayetteville, AR (US)
(73) Assignee: **XTREME ORTHOPEDICS LLC**, Fayetteville, AR (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/539,268**
(22) Filed: **Sep. 11, 2015**
(51) **LOC (10) Cl.** **24-01**
(52) **U.S. Cl.**
USPC **D24/190**
(58) **Field of Classification Search**
USPC D24/189-192; D29/120.1, 121.1
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,473,041 A 11/1923 Henderson
2,211,203 A 8/1940 Goldman
(Continued)

FOREIGN PATENT DOCUMENTS

AU 2007309344 5/2008
CA 2667760 5/2008
(Continued)

OTHER PUBLICATIONS

European Search Report for Application No. EU13867118.5 (dated Aug. 5, 2016).
(Continued)

Primary Examiner — George D Kirschbaum
Assistant Examiner — Jennifer Watkins
(74) *Attorney, Agent, or Firm* — Kutak Rock LLP; Bryan P. Stanley

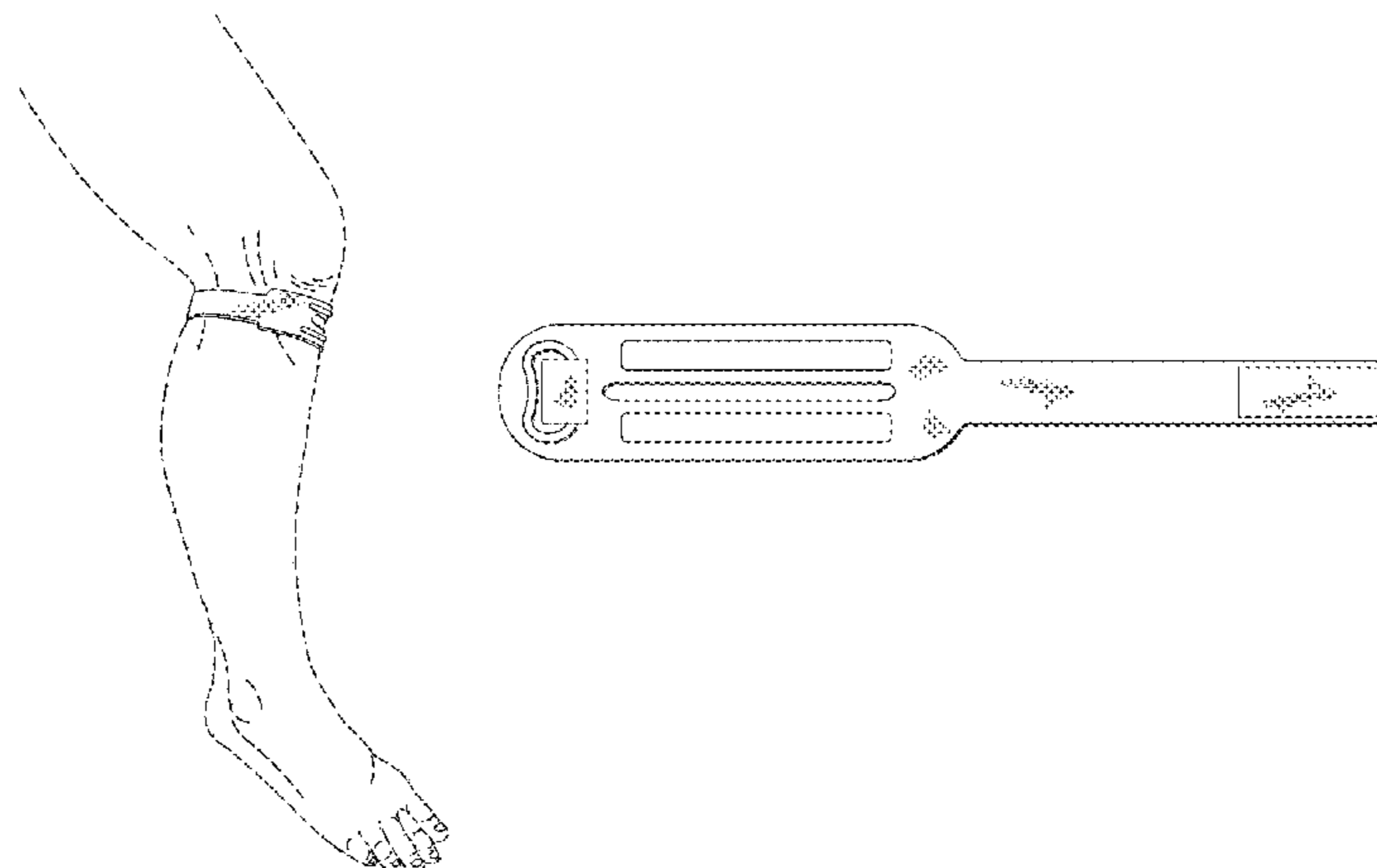
(57) **CLAIM**

The ornamental design for a support brace, as shown and described.

DESCRIPTION

FIG. 1 is a front right side perspective view of a first embodiment of a support brace of the present invention, shown in a position of use over a person's patellar tendon. FIG. 2 is a front elevation view of the support brace of FIG. 1, shown in a flat, opened orientation. FIG. 3 is a rear elevation view of the support brace of FIG. 1, shown in a flat, opened orientation. FIG. 4 is a left side elevation view of the support brace of FIG. 1, shown in a flat, opened orientation. FIG. 5 is a right side elevation view of the support brace of FIG. 1, shown in a flat, opened orientation. FIG. 6 is a bottom plan view of the support brace of FIG. 1, shown in a flat, opened orientation. FIG. 7 is a top plan view of the support brace of FIG. 1, shown in a flat, opened orientation. FIG. 8 is a front elevation detail view of an engagement ring member shown in FIG. 2 of the support brace. FIG. 9 is a front perspective view of a second embodiment of a support brace of the present invention, shown in a position of use over a person's elbow. FIG. 10 is a rear perspective view of the brace of FIG. 9, shown in a position of use over a person's arm. FIG. 11 is a front elevation view of the support brace of FIG. 9, shown in a flat, opened orientation. FIG. 12 is a rear elevation view of the support brace of FIG. 9, shown in a flat, opened orientation. FIG. 13 is a left side elevation view of the support brace of FIG. 9, shown in a flat, opened orientation. FIG. 14 is a right side elevation view of the support brace of FIG. 9, shown in a flat, opened orientation. FIG. 15 is a bottom plan view of the support brace of FIG. 9, shown in a flat, opened orientation. FIG. 16 is a top plan view of the support brace of FIG. 9, shown in a flat, opened orientation; and, FIG. 17 is a front elevation detail view of an engagement ring member shown in FIG. 11 of the support brace.

(Continued)



The broken lines showing a person's leg and arm are for the purpose of illustrating environment and form no part of the claim.

1 Claim, 6 Drawing Sheets

(58) Field of Classification Search

CPC A61F 13/108; A61F 5/0106; A61F 5/028;
A61F 5/0118; A61F 13/062; A61F
5/3738; A61F 5/30; A61F 5/34
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

2,594,809	A	4/1952	Sanders	
3,075,521	A	1/1963	Grassl	
3,521,623	A	7/1970	Nichols et al.	
3,678,926	A	7/1972	Strittmatter	
3,696,810	A	10/1972	Gaylord, Jr.	
3,897,777	A	8/1975	Morrison	
4,066,084	A	1/1978	Tillander	
D248,872	S	8/1978	Thomas	
D251,682	S	4/1979	Levine	
4,215,687	A	8/1980	Shaw	
4,243,028	A	1/1981	Puyana	
4,334,528	A	6/1982	Gauvry	
D265,590	S	7/1982	Gauvry	
4,378,009	A	3/1983	Rowley et al.	
4,474,573	A	10/1984	Detty	
4,598,701	A	7/1986	Schaefer	
4,628,918	A	12/1986	Johnson, Jr.	
4,682,588	A	7/1987	Curlee	
4,896,660	A	1/1990	Scott	
4,966,136	A	10/1990	Bates	
5,063,913	A	11/1991	Nyi	
5,152,302	A	10/1992	Fareed	
5,154,690	A	10/1992	Shiono	
D331,801	S	12/1992	Shiono	
5,211,623	A	5/1993	Sarkozi	
5,295,949	A	3/1994	Hathaway	
5,295,951	A	3/1994	Fareed	
5,329,941	A	7/1994	Bodine, Jr.	
5,372,575	A	12/1994	Sebastian	
5,383,844	A	1/1995	Munoz et al.	
5,403,268	A	4/1995	Clement	
5,423,333	A	6/1995	Jensen et al.	
5,445,647	A	8/1995	Choy	
D369,660	S	5/1996	Myoga	
5,591,121	A	1/1997	Cantrell	
5,893,871	A	4/1999	Tanaka	
5,921,949	A	7/1999	Dray	
5,924,120	A	7/1999	Razdan et al.	
6,007,508	A	12/1999	Reinhardt et al.	
D422,362	S	4/2000	Ames	
6,077,241	A	6/2000	Fareed	
6,077,242	A *	6/2000	Falk A61F 5/34 602/26	
6,120,472	A	9/2000	Singer, Jr.	
6,149,617	A	11/2000	McNally et al.	
6,352,074	B1	3/2002	Okada	
6,361,549	B1	3/2002	Asatourian et al.	
D455,213	S *	4/2002	Weaver, II D24/190	
6,398,749	B1	6/2002	Slautterback	
6,402,712	B1	6/2002	Gauvry	
D462,772	S	9/2002	Lamping et al.	
6,478,760	B2 *	11/2002	Darcey A61F 13/108 602/1	
6,485,448	B2	11/2002	Lamping et al.	
6,659,971	B2	12/2003	Gaylord	
D488,523	S	4/2004	Hamlin	
6,755,800	B2	6/2004	Weaver, II et al.	
D500,137	S	12/2004	Hely	

6,852,088	B2	2/2005	Gaylord	
6,863,657	B1 *	3/2005	Clements A61F 5/0106 602/23	
D503,806	S *	4/2005	Williams D24/190	
6,932,781	B2	8/2005	Itoi	
7,189,213	B1	3/2007	Weber	
7,244,239	B2	7/2007	Howard	
D580,065	S	11/2008	Lin	
D580,554	S	11/2008	Lin	
D580,556	S	11/2008	Lin	
7,563,236	B2	7/2009	Kazmierczak et al.	
7,637,883	B2	12/2009	Nyi	
7,640,610	B2	1/2010	Mervar	
7,730,550	B2 *	6/2010	Chiang A41D 13/0568 2/24	
7,740,645	B2	6/2010	Babaev	
7,749,179	B2	7/2010	Hargrave et al.	
D623,757	S	9/2010	Chiang	
D623,759	S	9/2010	Chiang	
D630,333	S	1/2011	Chiang	
7,951,104	B2	5/2011	Rodgers, Jr. et al.	
D642,280	S	7/2011	Goumas	
8,016,780	B1	9/2011	Sickles	
8,043,241	B2	10/2011	Goumas	
8,109,273	B2	2/2012	Golden et al.	
8,118,765	B2	2/2012	Magnusson	
8,273,040	B1	9/2012	Morrow	
8,523,793	B1	9/2013	Waldon, Sr.	
8,628,488	B2	1/2014	Serola	
8,821,425	B2	9/2014	Cox	
D728,805	S	5/2015	Tanaka	
D728,806	S *	5/2015	Cox D24/190	
D746,997	S	1/2016	Higgins	
D750,261	S	2/2016	Kusmirek	
9,320,639	B2 *	4/2016	Serola A61B 17/1325	
2002/0147421	A1 *	10/2002	Darcey A61F 13/062 602/26	
2002/0169407	A1	11/2002	Glinsboeckel	
2003/0187373	A1	10/2003	Gaylord	
2005/0055775	A1	3/2005	Gourd	
2005/0273026	A1	12/2005	Howard	
2008/0188788	A1	8/2008	Serola	
2010/0042031	A1	2/2010	Anglada	
2010/0152635	A1	6/2010	Borden	
2011/0009795	A1	1/2011	Graham	
2011/0021958	A1	1/2011	Lynds	
2011/0179542	A1	7/2011	Khuong et al.	
2011/0192403	A1	8/2011	Goumas	
2012/0010546	A1	1/2012	Sotereanos et al.	
2012/0096616	A1	4/2012	Fisher	
2012/0209159	A1	8/2012	Fout	
2012/0277649	A1	11/2012	Matsuo	
2013/0160176	A1 *	6/2013	Magri A41D 13/0543 2/22	
2014/0188024	A1 *	7/2014	Cox A61F 5/01 602/20	

FOREIGN PATENT DOCUMENTS

EP	0362528	4/1990
EP	0904752	3/1999
JP	2005245611	9/2005
JP	2010508072	3/2010
KR	100883324	2/2009
KR	10-20090092772	9/2009
WO	2008051640	A2 5/2008
WO	2008051640	A3 5/2008

OTHER PUBLICATIONS

Written Opinion and International Search Report for PCT/US2013/078429 (dated Apr. 3, 2014).
Written Opinion and International Search Report for PCT/US2014/040279 (dated Oct. 1, 2014).

* cited by examiner

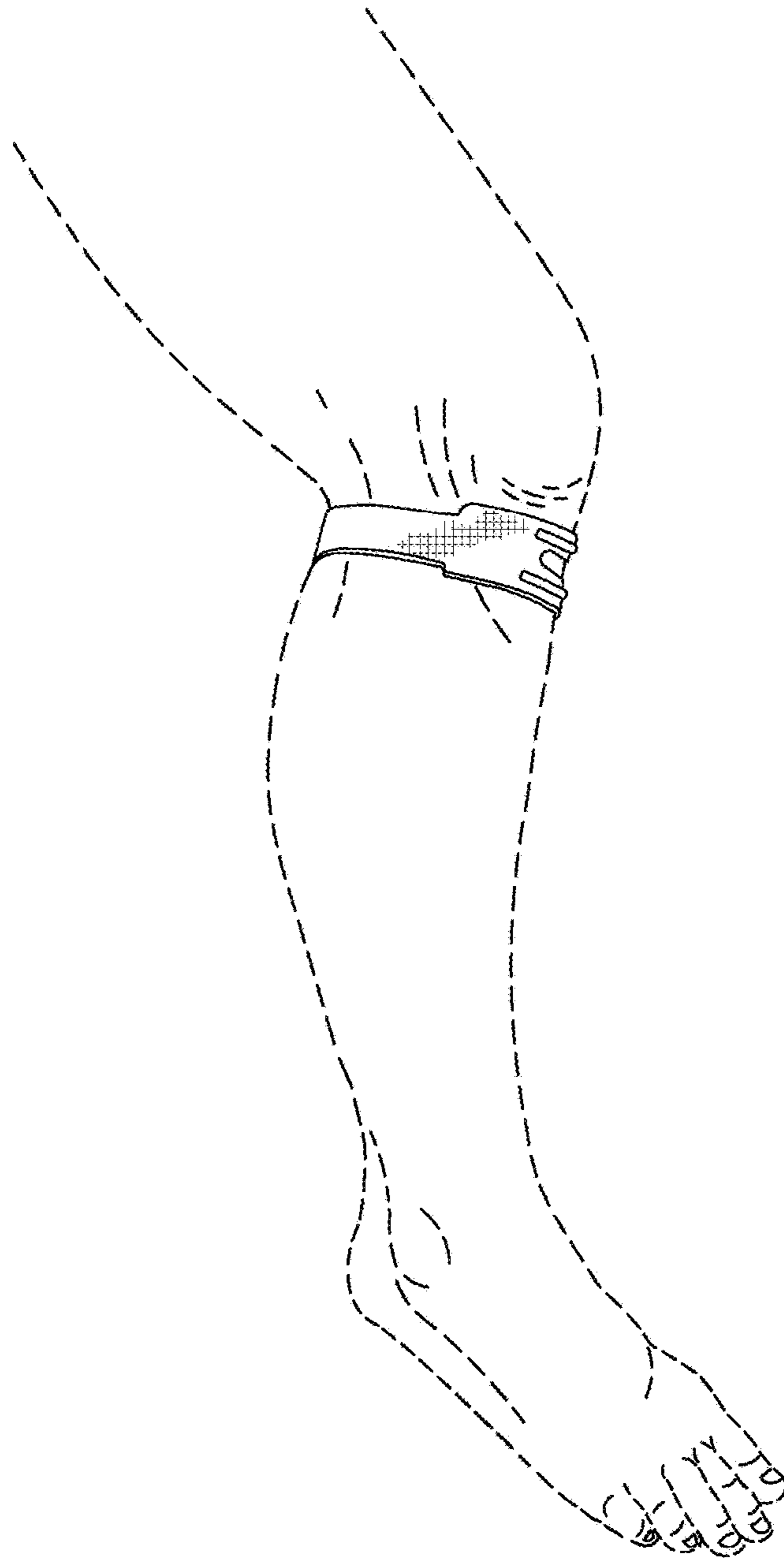


Fig. 1.

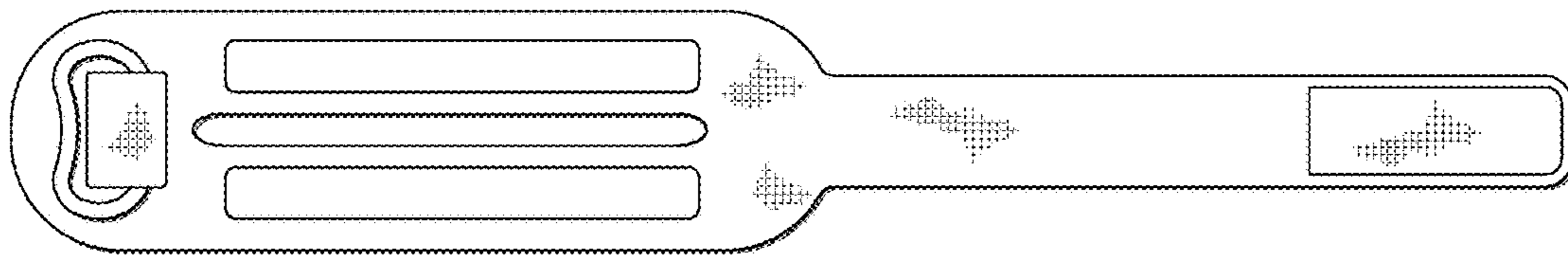


Fig. 2.

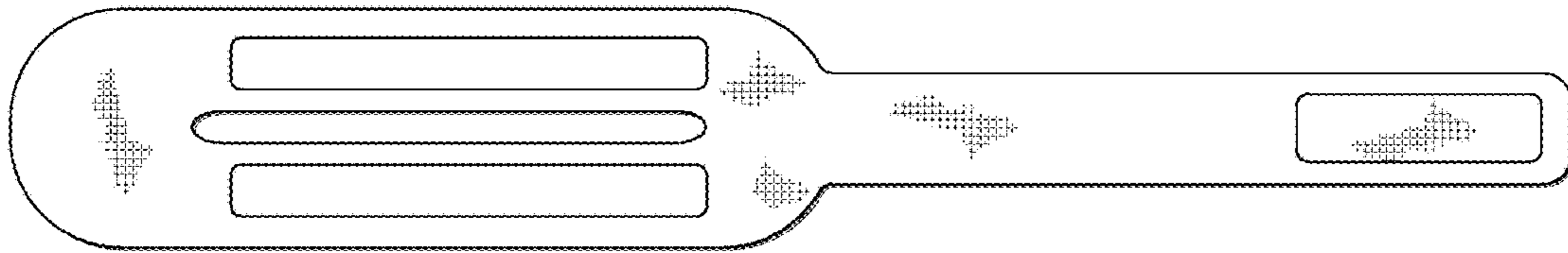


Fig. 3.

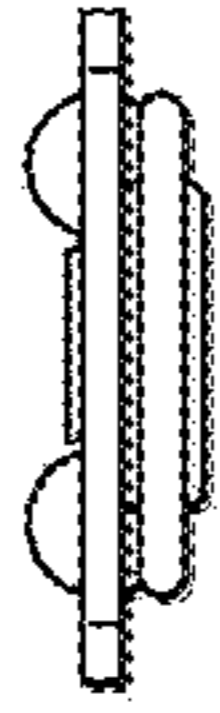


Fig. 4.

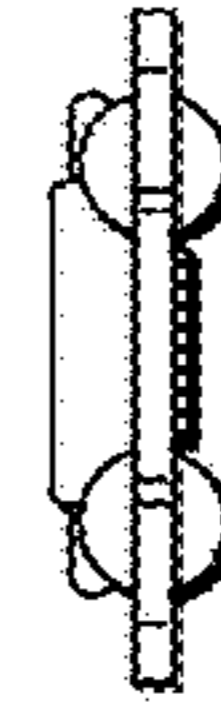


Fig. 5.



Fig. 6.

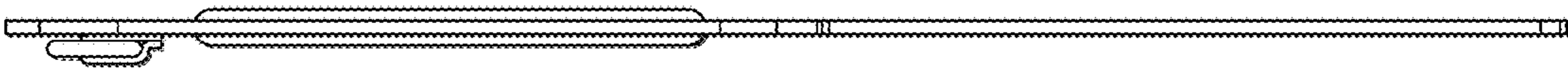


Fig. 7.



Fig. 8.

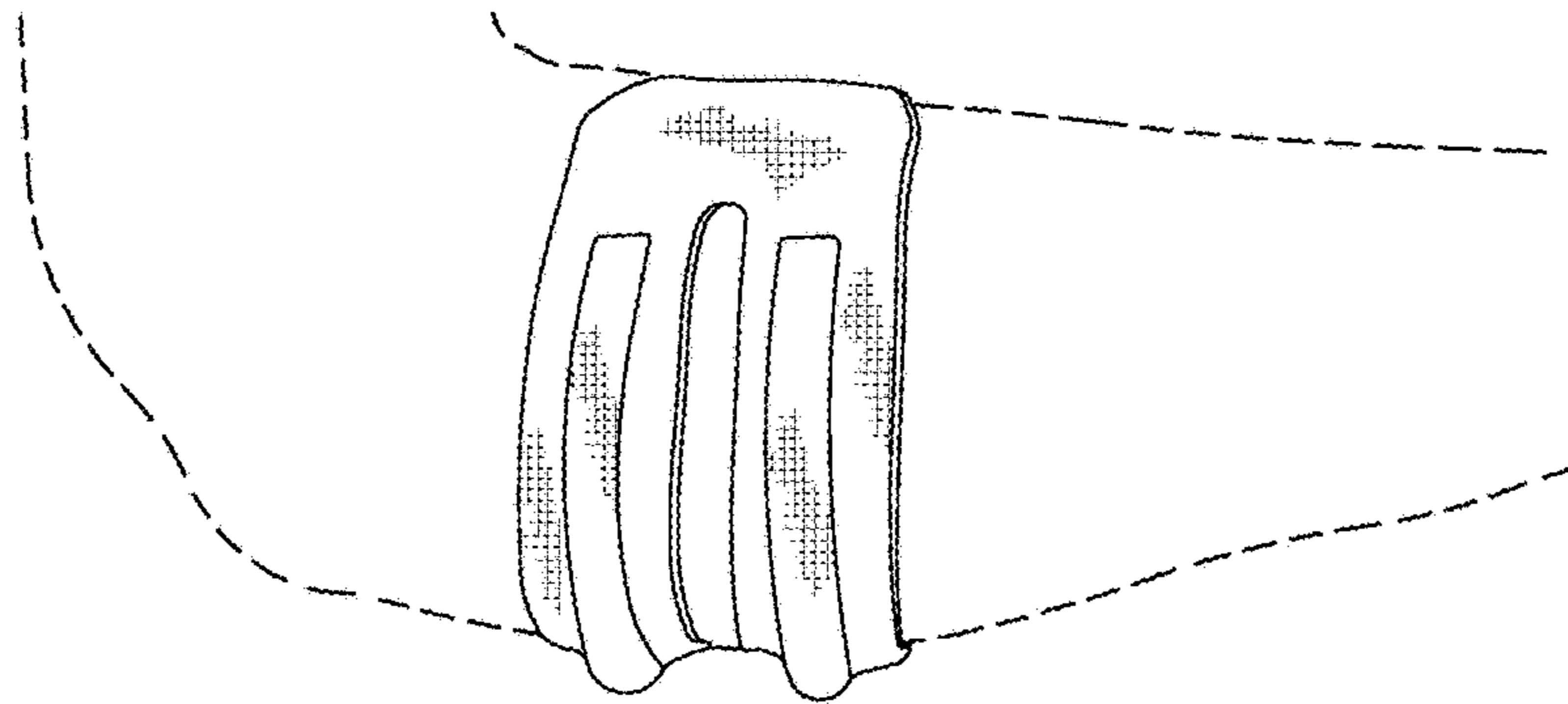


Fig. 9.

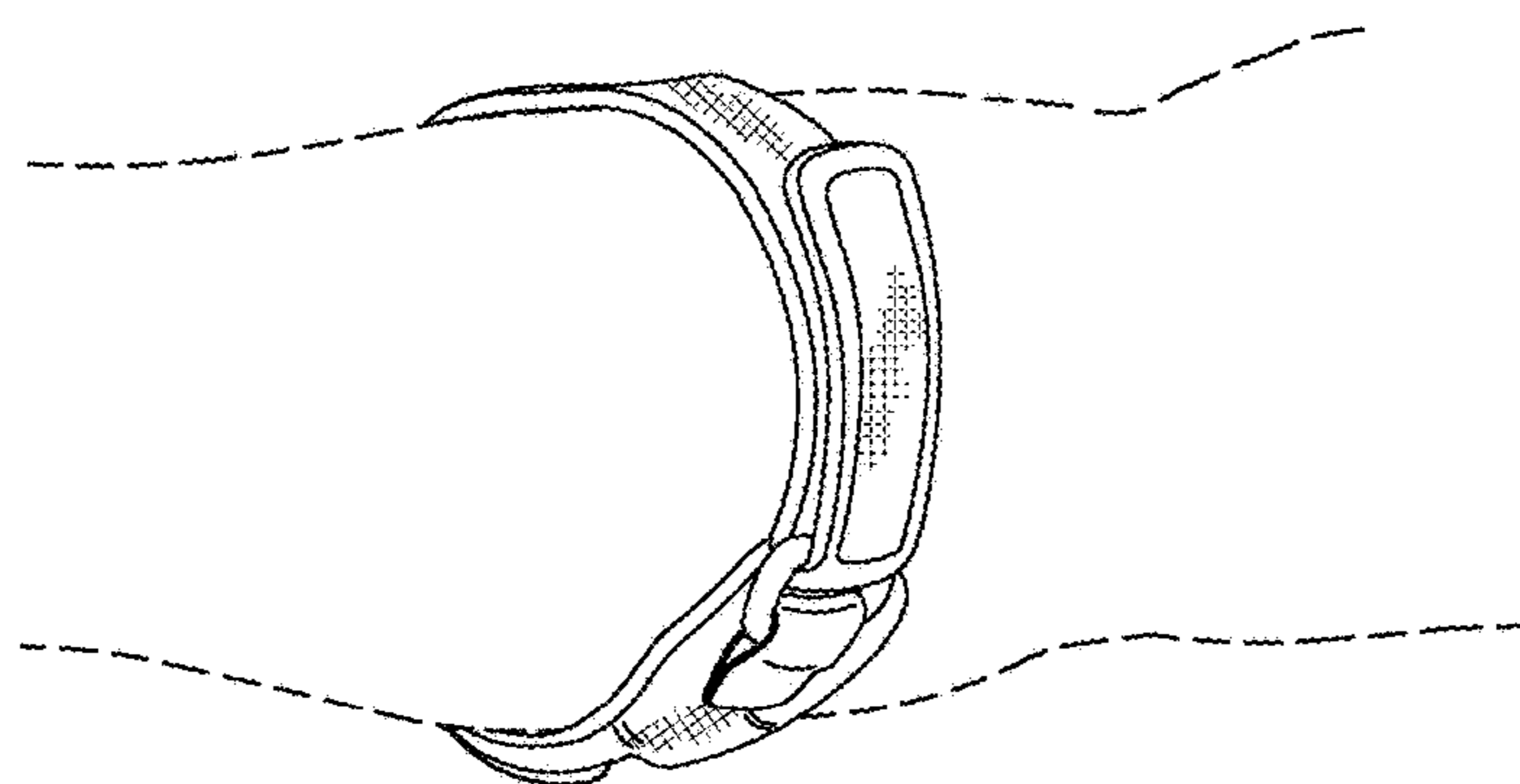


Fig. 10.

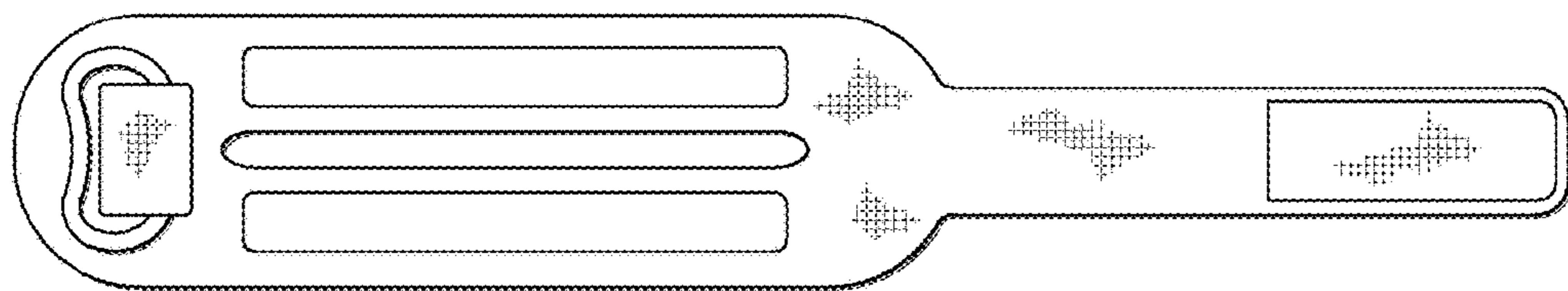


Fig. 11.

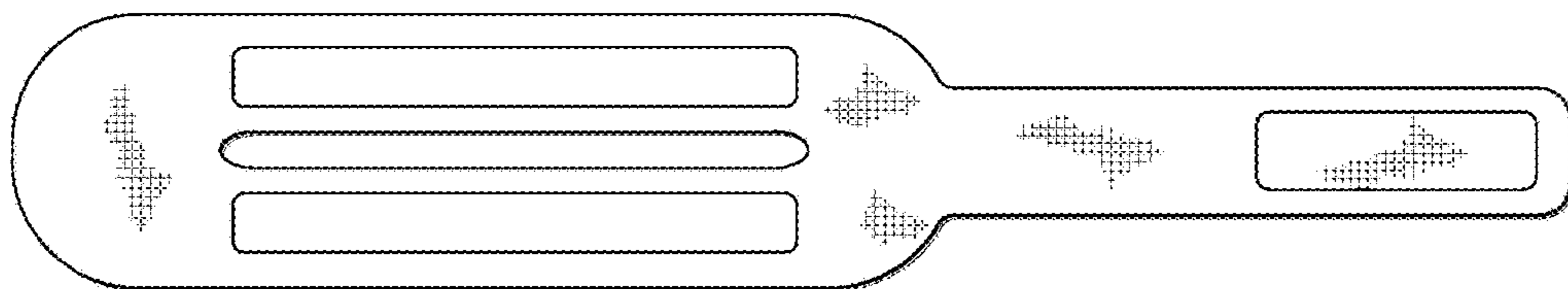


Fig. 12.

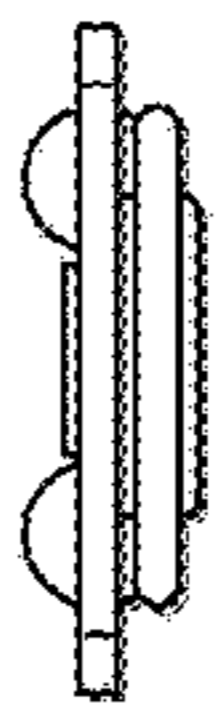


Fig. 13.



Fig. 14.

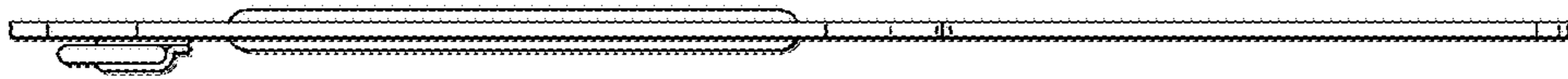


Fig. 15



Fig. 16.



Fig. 17.