



US00D933604S

(12) **United States Design Patent** (10) **Patent No.:** **US D933,604 S**
Harris, III (45) **Date of Patent:** **** Oct. 19, 2021**

(54) **BATTERY CELL RETAINER**
(71) Applicant: **XOS, INC.**, North Hollywood, CA (US)
(72) Inventor: **John Henry Harris, III**, San Gabriel, CA (US)
(73) Assignee: **XOS, INC.**, North Hollywood, CA (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/636,002**
(22) Filed: **Feb. 5, 2018**
(51) **LOC (13) Cl.** **13-02**
(52) **U.S. Cl.**
USPC **D13/119**
(58) **Field of Classification Search**
USPC D13/102-110, 118, 119, 184, 199, 154, D13/156; D3/201, 218, 269, 301, 273, D3/303, 284, 295; D24/227-230, 224; D15/128, 135, 136, 138, 132, 139, 140; D19/84
CPC Y02E 60/12; Y02E 60/122; Y02E 60/124; Y02E 60/50; H01M 2/02; H01M 2/022; H01M 2/0202; H01M 2/0207; H01M 2/0212; H01M 2/1061; H01M 2/1022; H01M 2/1055; H01M 2/1066; H01M 2/105; H01M 2/204; H01M 2/10; H01M 10/4257; H01M 10/0436; H01M 10/48; H01M 10/44; H01M 10/46; H01M 10/425; H01M 2200/30; H01M 2250/30; H01M 2250/40; H02J 7/00; H02J 7/0003; H02J 7/0011; H02J 7/0013; H02J 7/0054; H02J 7/0055; H02J 7/0057; H02J 7/0034; H02J 7/1423; H02J 7/025; H02J 7/0042; H02J 7/0044; H02J 7/0045; H02G 15/18; H02G 15/1826; H01R 13/516; H01R 13/518; H01R 13/52; H01R 13/46; H01R 13/50; H01R 13/506; H01R 13/5213; H01R 13/6675; Y02T 10/7005; Y02T 10/705; Y02T 10/7088

See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D301,575 S * 6/1989 Crawford, Jr. D13/119
6,399,238 B1 6/2002 Oweis et al.
6,406,812 B1 6/2002 Dreulle et al.
D541,042 S * 4/2007 Andre D3/218
D628,375 S * 12/2010 Andre D3/218
D684,527 S * 6/2013 Ishikawa D13/102
D686,146 S * 7/2013 Ishikawa D13/102
(Continued)

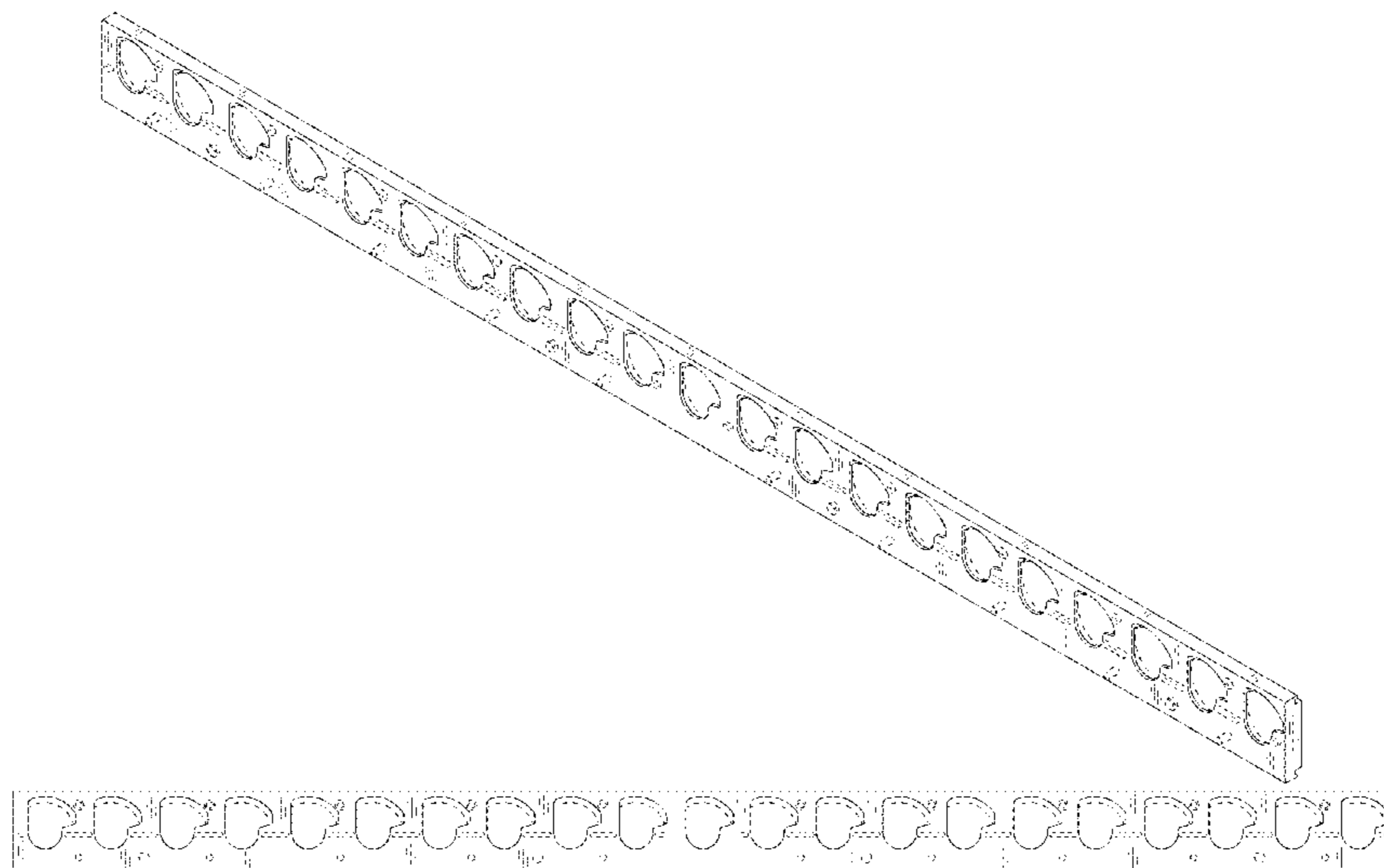
OTHER PUBLICATIONS
Amazon.com: Baimeixun 20pcs 4x5 Cell Sapcer 18650 Battery Plastic Holder Bracket. Date first available of Mar. 22, 2018. Retrieved from the internet at <<https://www.amazon.com/Baimeixun-Lithium-Battery-Plastic-Bracket/dp/B07BN7K8CX/>>, Sep. 21, 2020. 1 page. (Year: 2018).*

Primary Examiner — Christy Nemeth
(74) *Attorney, Agent, or Firm* — Arent Fox LLP

(57) **CLAIM**
The ornamental design for a battery cell retainer, as shown and described.

DESCRIPTION
FIG. 1 is a front top right perspective view of a battery cell retainer showing my new design;
FIG. 2 is a front view of the design shown in FIG. 1;
FIG. 3 is a back view of the design shown in FIG. 1;
FIG. 4 is a left side view of the design shown in FIG. 1;
FIG. 5 is a right side view of the design shown in FIG. 1;
FIG. 6 is a top view of the design shown in FIG. 1; and
FIG. 7 is a bottom view of the design shown in FIG. 1.
The broken lines shown in the figures are included for the purpose of illustrating portions of the battery cell retainer and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D731,421 S *	6/2015	Luque, Jr.	D13/110	2016/0197386 A1	7/2016	Moon et al.	
9,595,705 B1	3/2017	Buckhout		2017/0001584 A1	1/2017	Harris et al.	
9,692,095 B2	6/2017	Harris		2017/0003082 A1	1/2017	Harris	
9,692,096 B2	6/2017	Harris		2017/0005303 A1	1/2017	Harris	
D802,633 S *	11/2017	Carstens	D15/128	2017/0005304 A1	1/2017	Harris	
D810,683 S *	2/2018	DeKeuster	D13/119	2017/0005305 A1	1/2017	Harris	
D814,653 S *	4/2018	Shedlosky	D24/229	2017/0005315 A1	1/2017	Harris et al.	
D837,151 S *	1/2019	Poliakov	D13/110	2017/0005319 A1	1/2017	Rong	
10,186,697 B1 *	1/2019	Harris, III	H01M 10/6566	2017/0005376 A1	1/2017	Harris et al.	
10,243,183 B1 *	3/2019	Harris, III	H01M 10/425	2017/0005377 A1	1/2017	Rong	
10,243,184 B1 *	3/2019	Harris, III	H01M 2/1077	2017/0005378 A1	1/2017	Rong	
10,305,078 B1 *	5/2019	Harris, III	H01M 2/1077	2017/0005380 A1	1/2017	Harris	
D868,692 S *	12/2019	Harris, III	D13/118	2017/0005384 A1	1/2017	Harris et al.	
2008/0003495 A1	1/2008	Shimizu		2017/0025654 A1 *	1/2017	Oh	H01M 2/202
2010/0000816 A1	1/2010	Okada		2017/0025657 A1	1/2017	Reinshagen et al.	
2012/0148889 A1	6/2012	Fuhr et al.		2017/0133644 A1	5/2017	Insana et al.	
2012/0177970 A1	7/2012	Marchio et al.		2017/0253142 A1	9/2017	Buckhout	
2013/0164577 A1	6/2013	Insana et al.		2017/0256771 A1	9/2017	Buckhout et al.	
2014/0205878 A1	7/2014	Ohgitani et al.		2017/0256826 A1	9/2017	Hong et al.	
2014/0283360 A1 *	9/2014	Takeda	H01M 2/1022	2017/0279104 A1	9/2017	Beverley et al.	
			29/515	2018/0095139 A1	4/2018	Buckhout, Sr. et al.	
2016/0149174 A1 *	5/2016	Okura	H01M 2/105	2018/0097265 A1	4/2018	Tarlau et al.	
			429/99	2019/0273239 A1 *	9/2019	Sato	H01M 2/10
				2020/0220122 A1 *	7/2020	Haertel	H01M 2/105

* cited by examiner

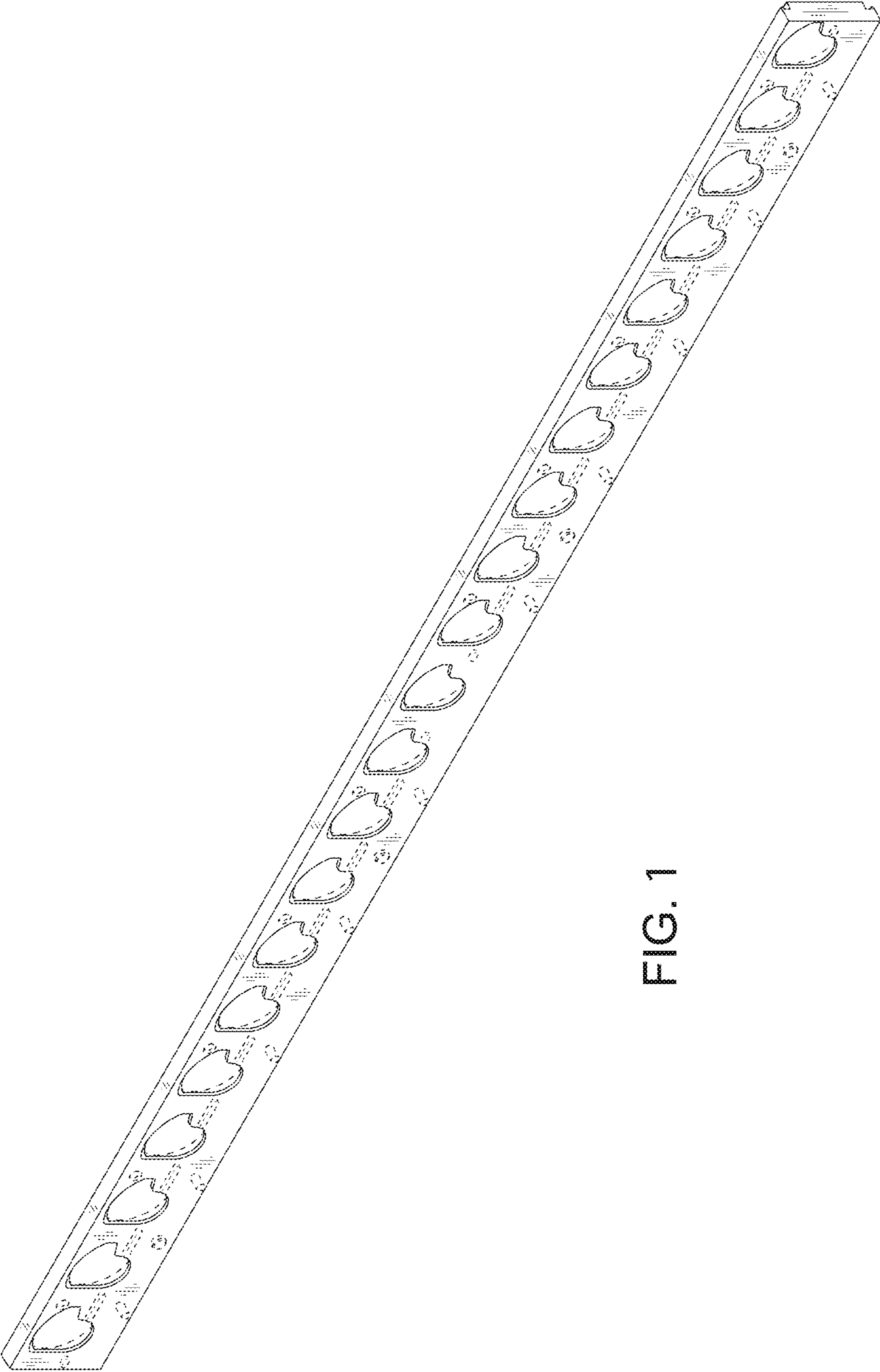


FIG. 1



FIG. 2

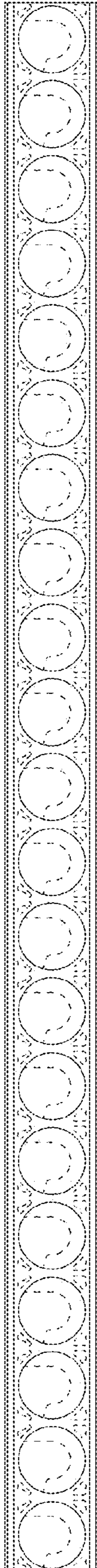


FIG. 3

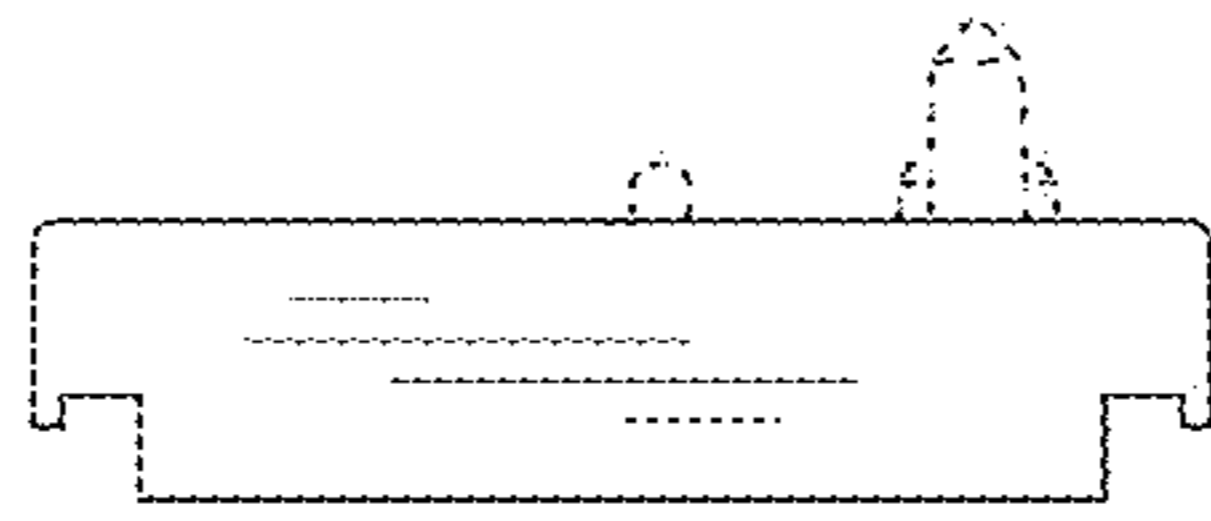


FIG. 4

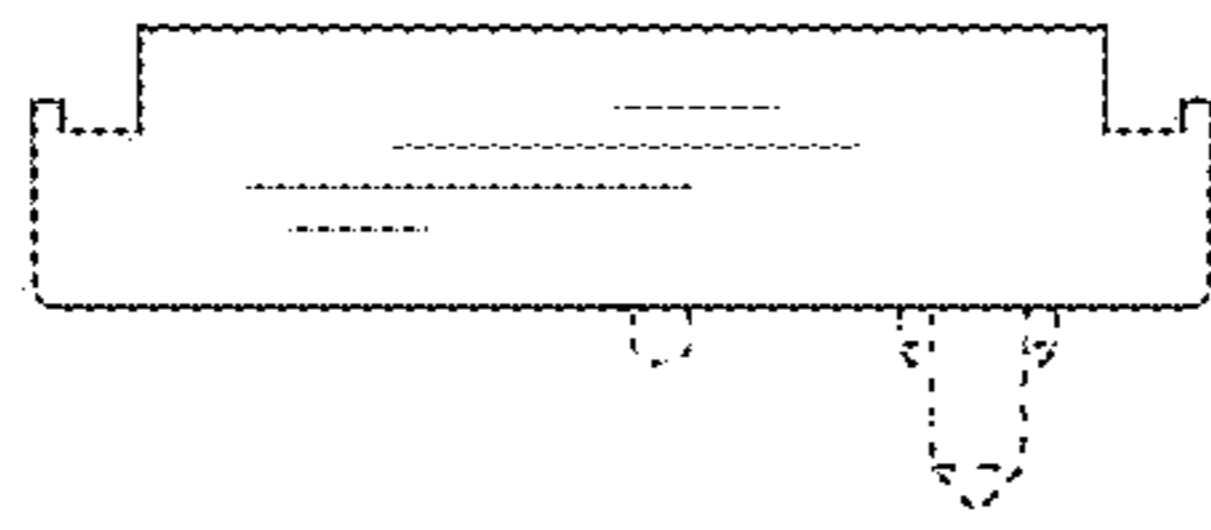


FIG. 5

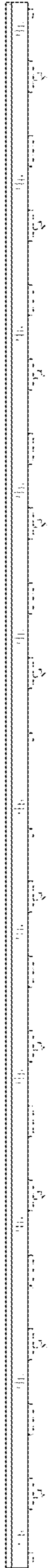


FIG. 6



FIG. 7