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(54) **SUTURE TRAY**

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

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Related U.S. Application Data

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(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/145**

(58) **Field of Classification Search**
USPC D24/145; D6/515; D9/415
CPC A61B 17/06133; A61B 17/06114; A61B 17/06166
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,579,379	A	4/1926	Marbel
1,822,330	A	9/1931	Ainslie
2,291,181	A	7/1942	Alderman
3,168,097	A	2/1965	Dormia
3,749,238	A	7/1973	Taylor
4,027,608	A	6/1977	Arbuckle
4,557,265	A	12/1985	Andersson
4,899,746	A	2/1990	Brunk
5,209,747	A	5/1993	Knoepfler
5,282,806	A	2/1994	Haber et al.
5,289,963	A	3/1994	McGarry et al.
5,306,281	A	4/1994	Beurrier
5,308,353	A	5/1994	Beurrier
5,318,578	A	6/1994	Hasson
5,383,888	A	1/1995	Zvenyatsky et al.
5,403,347	A	4/1995	Roby et al.
5,403,354	A	4/1995	Adams et al.
5,437,681	A	8/1995	Meade et al.

(Continued)

FOREIGN PATENT DOCUMENTS

DE	4310315	A1	10/1993
EP	0739184	B1	9/1998

(Continued)

OTHER PUBLICATIONS

U.S. Appl. No. 13/832,595, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

(Continued)

Primary Examiner — Wan Laymon

(57) **CLAIM**

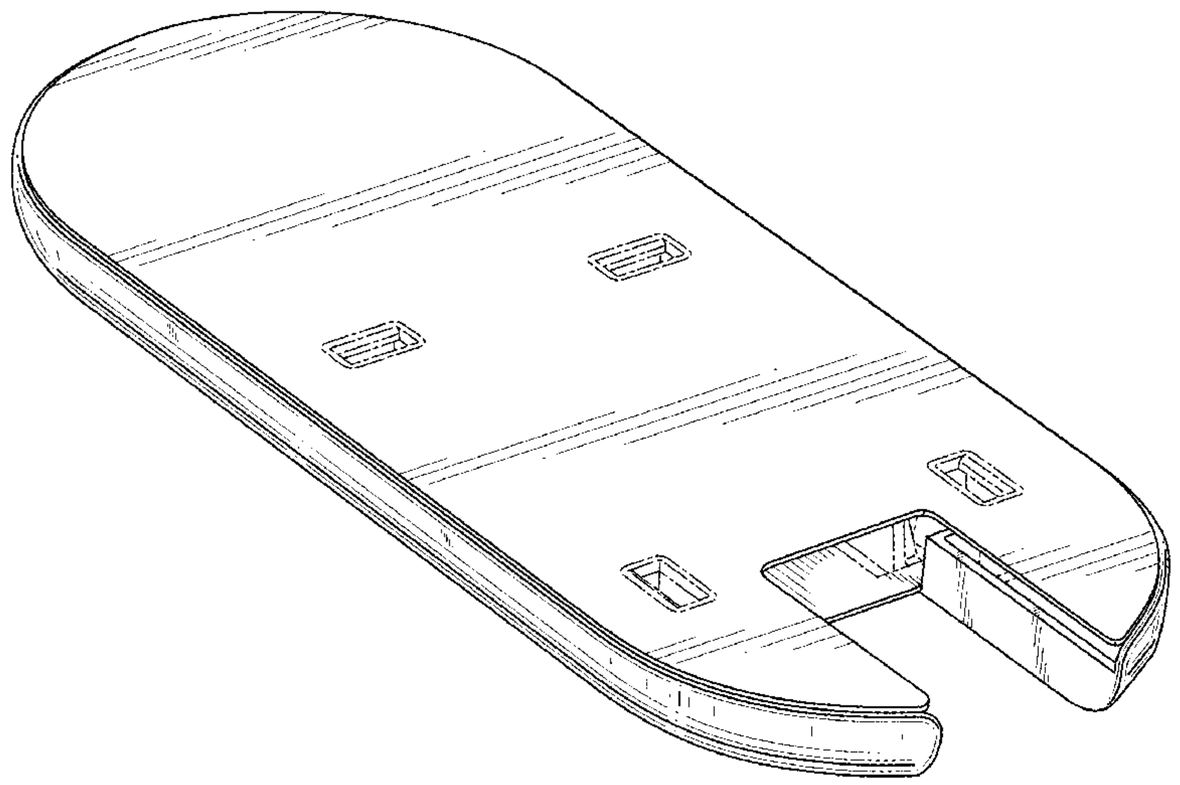
The ornamental design for a suture tray, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a suture tray;
FIG. **2** is a top plan view thereof;
FIG. **3** is a side elevation view thereof;
FIG. **4** is a bottom plan view thereof;
FIG. **5** is a front elevation view thereof; and,
FIG. **6** is an end elevation view thereof.

The broken lines shown in the drawings are included for the purpose of illustrating structural environment and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

5,454,823	A	10/1995	Richardson et al.	
5,478,344	A	12/1995	Stone et al.	
5,478,345	A	12/1995	Stone et al.	
5,480,406	A	1/1996	Nolan et al.	
5,540,704	A	7/1996	Gordon et al.	
5,540,705	A	7/1996	Meade et al.	
5,553,477	A	9/1996	Eisensmith et al.	
5,554,170	A	9/1996	Roby et al.	
5,560,532	A	10/1996	DeFonzo et al.	
5,569,301	A	10/1996	Granger et al.	
5,571,090	A	11/1996	Sherts	
5,591,181	A	1/1997	Stone et al.	
5,610,653	A	3/1997	Abecassis	
5,617,952	A	4/1997	Kranendonk	
5,630,825	A	5/1997	de la Torre et al.	
5,669,490	A	9/1997	Colligan et al.	
5,674,229	A	10/1997	Tovey et al.	
5,674,230	A	10/1997	Tovey et al.	
5,693,071	A	12/1997	Gorecki et al.	
5,707,379	A	1/1998	Fleenor et al.	
5,709,693	A	1/1998	Taylor	
5,713,910	A	2/1998	Gordon et al.	
5,728,107	A	3/1998	Zlock et al.	
5,728,108	A	3/1998	Griffiths et al.	
5,733,293	A	3/1998	Scirica et al.	
5,741,277	A	4/1998	Gordon et al.	
5,759,188	A	6/1998	Yoon	
5,766,186	A	6/1998	Faraz et al.	
5,766,196	A	6/1998	Griffiths	
5,776,186	A	7/1998	Uflacker	
5,792,151	A	8/1998	Heck et al.	
5,814,054	A	9/1998	Kortenbach et al.	
5,860,992	A	1/1999	Daniel et al.	
5,865,836	A	2/1999	Miller	
5,871,488	A	2/1999	Tovey et al.	
5,897,563	A	4/1999	Yoon et al.	
5,908,428	A	6/1999	Scirica et al.	
5,911,727	A	6/1999	Taylor	
5,938,668	A	8/1999	Scirica et al.	
5,947,982	A	9/1999	Duran	
5,954,731	A	9/1999	Yoon	
5,954,733	A	9/1999	Yoon	
5,993,466	A	11/1999	Yoon	
6,016,905	A	1/2000	Gemma et al.	
6,071,289	A	6/2000	Stefanchik et al.	
6,086,601	A	7/2000	Yoon	
6,096,051	A	8/2000	Kortenbach et al.	
6,126,666	A	10/2000	Trapp et al.	
6,135,385	A	10/2000	Martinez de Lahidalga	
6,136,010	A	10/2000	Modesitt et al.	
6,138,440	A	10/2000	Gemma	
6,332,888	B1	12/2001	Levy et al.	
6,443,962	B1	9/2002	Gaber	
6,454,778	B2	9/2002	Kortenbach	
6,481,568	B1 *	11/2002	Cerwin	A61B 17/06133 206/339
6,533,112	B2 *	3/2003	Warnecke	A61B 17/06133 206/380
6,719,764	B1	4/2004	Gellman et al.	
6,743,239	B1	6/2004	Kuehn et al.	
6,923,819	B2	8/2005	Meade et al.	
6,936,054	B2	8/2005	Chu	
6,939,358	B2	9/2005	Palacios et al.	
6,955,643	B2	10/2005	Gellman et al.	
7,004,951	B2	2/2006	Gibbens, III	
7,041,111	B2	5/2006	Chu	
7,131,979	B2	11/2006	DiCarlo et al.	
7,144,401	B2	12/2006	Yamamoto et al.	
7,232,447	B2	6/2007	Gellman et al.	
7,235,087	B2	6/2007	Modesitt et al.	
7,338,504	B2	3/2008	Gibbens, III et al.	
7,442,198	B2	10/2008	Gellman et al.	
7,520,382	B2	4/2009	Kennedy et al.	
7,582,096	B2	9/2009	Gellman et al.	
7,588,583	B2	9/2009	Hamilton et al.	
7,615,060	B2	11/2009	Stokes et al.	
7,628,796	B2	12/2009	Shelton, IV et al.	
7,637,369	B2	12/2009	Kennedy et al.	
7,666,194	B2	2/2010	Field et al.	
7,686,831	B2	3/2010	Stokes et al.	
7,763,036	B2	7/2010	Stokes et al.	
7,766,925	B2	8/2010	Stokes et al.	
7,815,654	B2	10/2010	Chu	
7,828,812	B2	11/2010	Stokes et al.	
7,833,235	B2	11/2010	Chu	
7,833,236	B2	11/2010	Stokes et al.	
7,842,048	B2	11/2010	Ma	
7,846,169	B2	12/2010	Shelton, IV et al.	
7,862,572	B2	1/2011	Meade et al.	
7,862,582	B2	1/2011	Ortiz et al.	
7,887,554	B2	2/2011	Stokes et al.	
7,891,485	B2	2/2011	Prescott	
7,896,890	B2	3/2011	Ortiz et al.	
7,935,128	B2	5/2011	Rioux et al.	
7,942,886	B2	5/2011	Alvarado	
7,947,052	B2	5/2011	Baxter, III et al.	
7,976,553	B2	7/2011	Shelton, IV et al.	
7,976,555	B2	7/2011	Meade et al.	
7,993,354	B1	8/2011	Brecher et al.	
8,012,161	B2	9/2011	Primavera et al.	
8,016,840	B2	9/2011	Takemoto et al.	
8,048,092	B2	11/2011	Modesitt et al.	
8,057,386	B2	11/2011	Aznoian et al.	
8,066,737	B2	11/2011	Meade et al.	
8,118,820	B2	2/2012	Stokes et al.	
8,123,762	B2	2/2012	Chu et al.	
8,123,764	B2	2/2012	Meade et al.	
8,136,656	B2	3/2012	Kennedy et al.	
8,187,288	B2	5/2012	Chu et al.	
8,196,739	B2	6/2012	Kirsch	
8,206,284	B2	6/2012	Aznoian et al.	
8,211,143	B2	7/2012	Stefanchik et al.	
8,236,010	B2	8/2012	Ortiz et al.	
8,236,013	B2	8/2012	Chu	
8,246,637	B2	8/2012	Viola et al.	
8,252,008	B2	8/2012	Ma	
8,256,613	B2	9/2012	Kirsch et al.	
8,257,369	B2	9/2012	Gellman et al.	
8,257,371	B2	9/2012	Hamilton et al.	
8,292,067	B2	10/2012	Chowaniec et al.	
8,292,906	B2	10/2012	Taylor et al.	
8,361,089	B2	1/2013	Chu	
8,500,756	B2	8/2013	Papa et al.	
8,512,243	B2	8/2013	Stafford	
8,518,058	B2	8/2013	Gellman et al.	
8,641,728	B2	2/2014	Stokes et al.	
8,696,687	B2	4/2014	Gellman et al.	
2002/0193809	A1	12/2002	Meade et al.	
2003/0208100	A1	11/2003	Levy	
2004/0050721	A1	3/2004	Roby et al.	
2004/0172047	A1	9/2004	Gellman et al.	
2005/0015101	A1	1/2005	Gibbens, III et al.	
2005/0216038	A1	9/2005	Meade et al.	
2006/0036232	A1	2/2006	Primavera et al.	
2006/0069396	A1	3/2006	Meade et al.	
2006/0111732	A1	5/2006	Gibbens et al.	
2006/0173491	A1	8/2006	Meade et al.	
2006/0281970	A1	12/2006	Stokes et al.	
2006/0282096	A1	12/2006	Papa et al.	
2006/0282097	A1	12/2006	Ortiz et al.	
2006/0282099	A1	12/2006	Stokes et al.	
2007/0088372	A1	4/2007	Gellman et al.	
2007/0173864	A1	7/2007	Chu	
2007/0256945	A1	11/2007	Kennedy et al.	
2008/0091220	A1	4/2008	Chu	
2008/0103357	A1	5/2008	Zeiner et al.	
2008/0109015	A1	5/2008	Chu et al.	
2008/0132919	A1	6/2008	Chui et al.	
2008/0228204	A1	9/2008	Hamilton et al.	
2008/0243146	A1	10/2008	Sloan et al.	
2008/0255590	A1	10/2008	Meade et al.	
2009/0024145	A1	1/2009	Meade et al.	
2009/0205987	A1	8/2009	Kennedy et al.	
2009/0209980	A1	8/2009	Harris	

(56) **References Cited**

U.S. PATENT DOCUMENTS

2009/0287226	A1	11/2009	Gellman et al.
2009/0312772	A1	12/2009	Chu
2010/0016866	A1	1/2010	Meade et al.
2010/0023024	A1	1/2010	Zeiner et al.
2010/0042116	A1	2/2010	Chui et al.
2010/0152751	A1	6/2010	Meade et al.
2010/0274265	A1	10/2010	Wingardner et al.
2011/0028999	A1	2/2011	Chu
2011/0042245	A1	2/2011	McClurg et al.
2011/0046667	A1	2/2011	Culligan et al.
2011/0060352	A1	3/2011	Chu
2011/0082476	A1	4/2011	Furnish et al.
2011/0288582	A1	11/2011	Meade et al.
2011/0295278	A1	12/2011	Meade et al.
2012/0004672	A1	1/2012	Giap et al.
2012/0035626	A1	2/2012	Chu
2012/0041456	A1	2/2012	Gellman et al.
2012/0055828	A1	3/2012	Kennedy et al.
2012/0059396	A1	3/2012	Harris et al.
2012/0109163	A1	5/2012	Chu et al.
2012/0130404	A1	5/2012	Meade et al.
2012/0143248	A1	6/2012	Brecher et al.
2012/0215234	A1	8/2012	Chowaniec et al.
2012/0226292	A1	9/2012	Hirzel
2012/0228163	A1	9/2012	Kirsch
2012/0232567	A1	9/2012	Fairneny
2012/0283748	A1	11/2012	Ortiz et al.
2012/0283750	A1	11/2012	Saliman et al.
2012/0283755	A1	11/2012	Gellman et al.
2013/0041388	A1	2/2013	Lane et al.
2013/0331866	A1	12/2013	Gellman et al.

FOREIGN PATENT DOCUMENTS

EP	1791476	A2	6/2007
EP	2292157	A2	3/2011
EP	2308391	A1	4/2011
FR	2540377	A1	8/1984
GB	18602	A	0/1909
GB	2389313	A	12/2003
JP	55-151956	A	11/1980
WO	WO 95/19149	A1	7/1995
WO	WO 97/29694	A1	8/1997
WO	WO 99/12482	A1	3/1999
WO	WO 99/40850	A1	8/1999
WO	WO 99/47050	A2	9/1999
WO	WO 01/12084	A1	2/2001
WO	WO 02/102226	A2	12/2002
WO	WO 03/028541	A2	4/2003
WO	WO 2004/012606	A1	2/2004
WO	WO 2004/021894	A1	3/2004
WO	WO 2006/034209	A2	3/2006
WO	WO 2007/089603	A2	8/2007
WO	WO 2008/045333	A2	4/2008
WO	WO 2008/045376	A2	4/2008
WO	WO 2008/147555	A2	12/2008
WO	WO 2010/062380	A2	6/2010
WO	WO 2012/044998	A2	4/2012

OTHER PUBLICATIONS

U.S. Appl. No. 13/832,660, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

U.S. Appl. No. 13/832,709, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

U.S. Appl. No. 13/832,786, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

U.S. Appl. No. 13/832,816, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

U.S. Appl. No. 13/832,867, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

U.S. Appl. No. 13/832,897, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

U.S. Appl. No. 13/832,986, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

U.S. Appl. No. 13/833,042, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

U.S. Appl. No. 13/833,121, filed Mar. 15, 2013 by Ethicon Endo-Surgery, Inc.

Endo 360 "Laparoscopic & Minimally Invasive Suturing Devices" Catalog—2 Pages—EndoEvolution, LLC—2011.

Covidien Endo Stitch (Features and Benefits) "Suturing Made Easy" Brochure—4 Pages—2008.

Pages from www.endoevolution.com. Printed on Jun. 3, 2014, but publication date unknown.

* cited by examiner

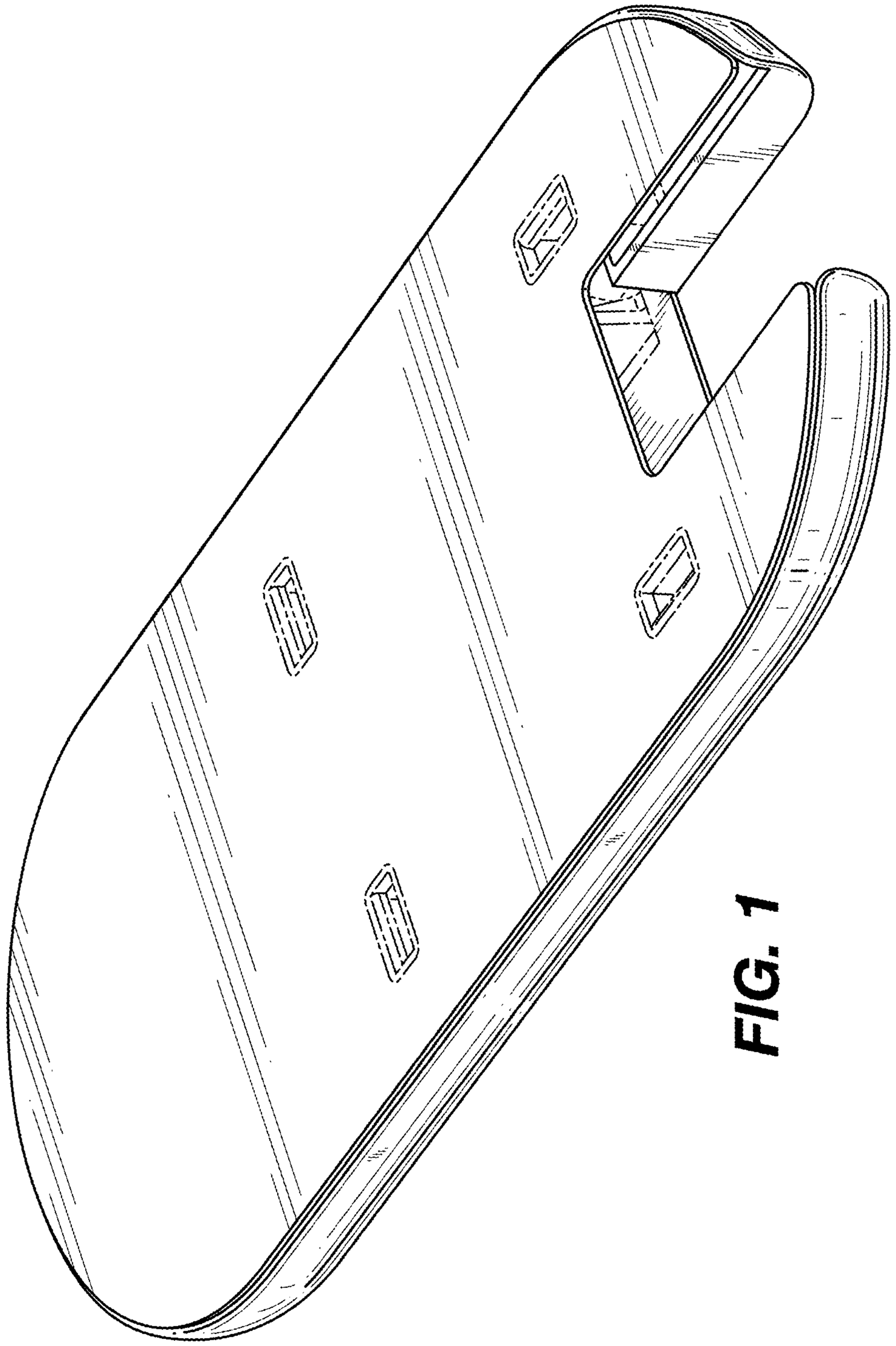


FIG. 1

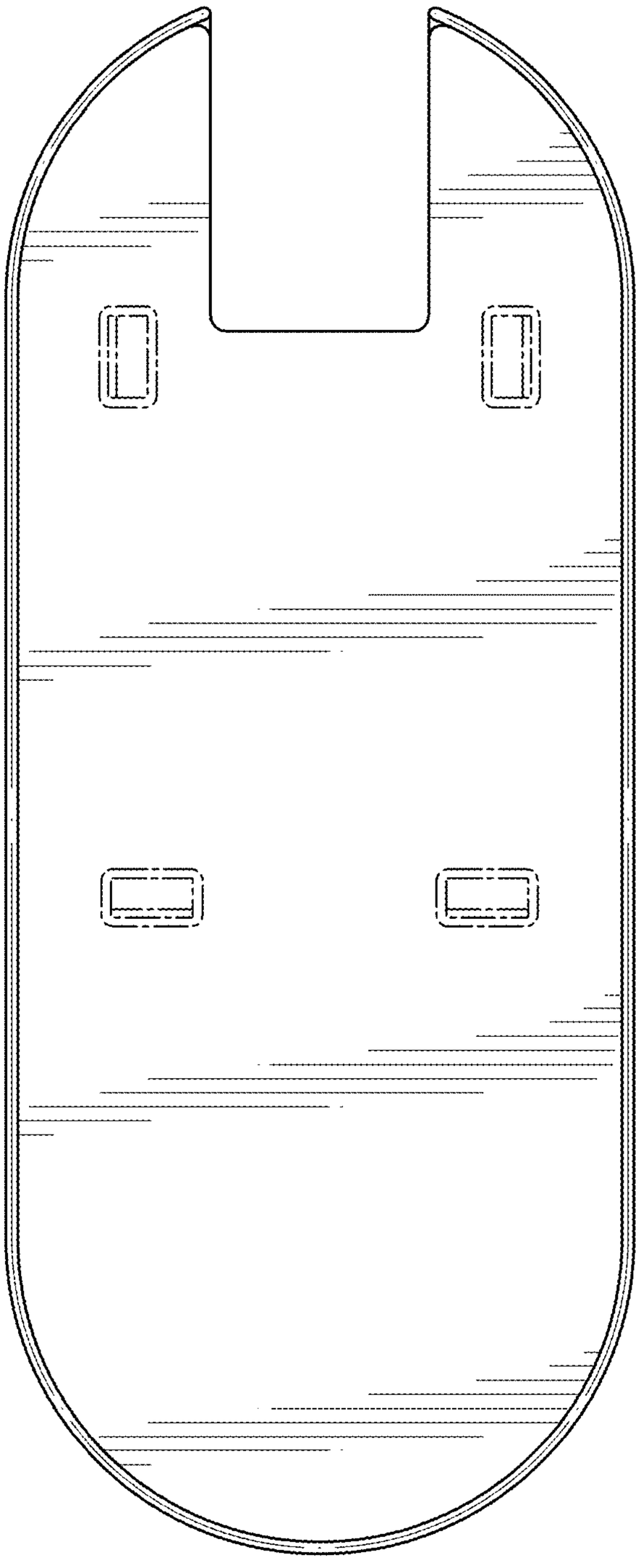
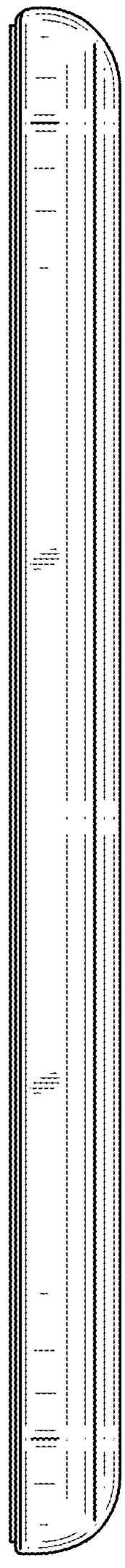


FIG. 2



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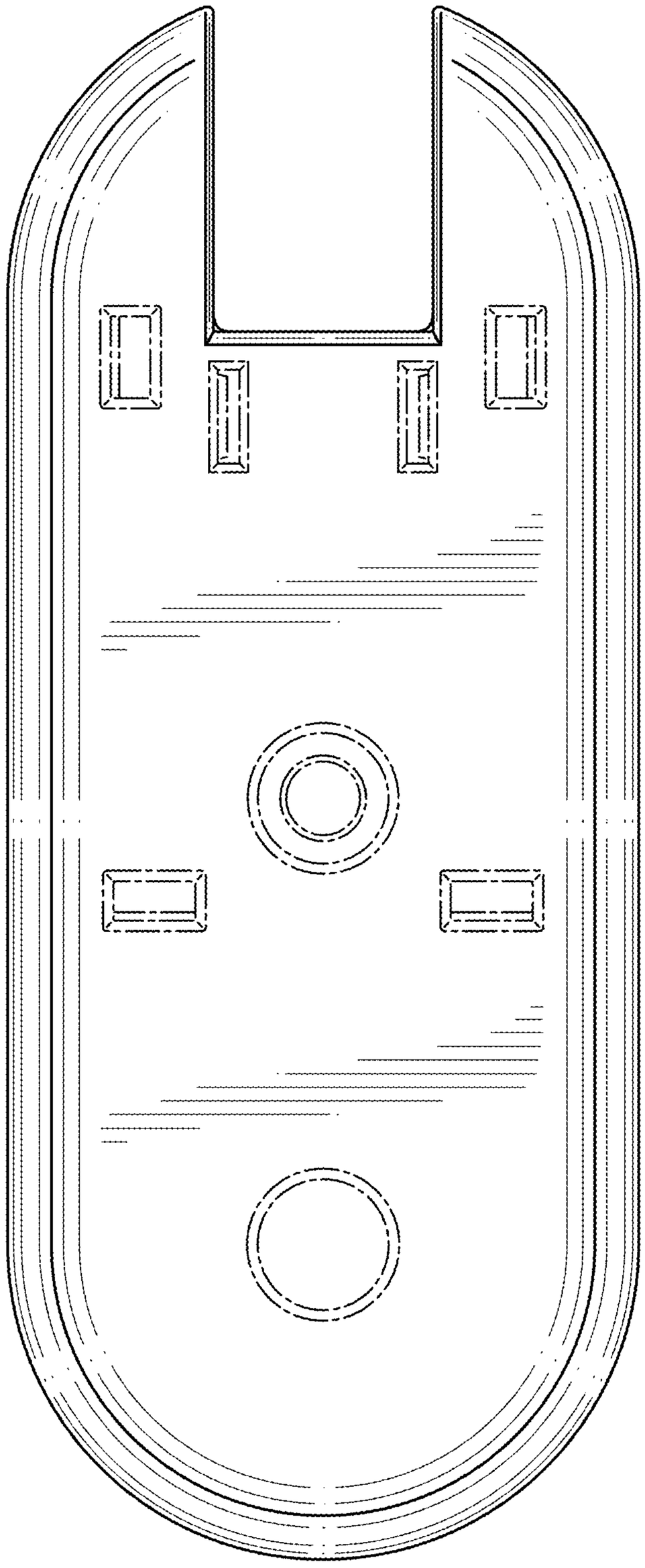

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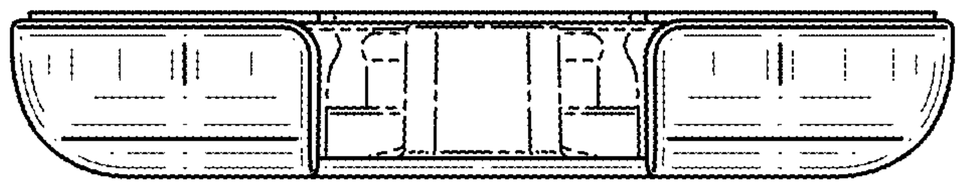

FIG. 5

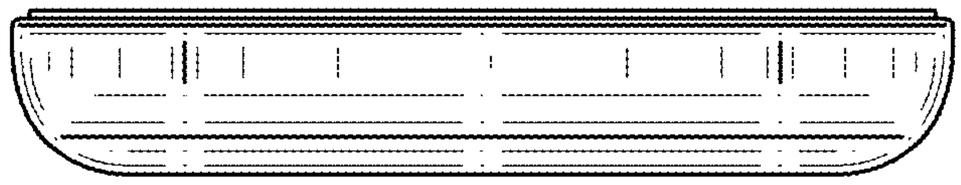

FIG. 6