



US00D641670S

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

(10) **Patent No.:** **US D641,670 S**  
(45) **Date of Patent:** **\*\* Jul. 19, 2011**

(54) **BRAKE PAD**

(75) Inventors: **John Larry Thomas**, Cedarburg, WI  
(US); **Christopher Sean Jones**, Bay  
View, WI (US)

(73) Assignee: **HB Performance Systems, Inc.**,  
Mequon, WI (US)

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

(21) Appl. No.: **29/379,862**

(22) Filed: **Nov. 24, 2010**

(51) **LOC (9) Cl.** ..... **12-16**

(52) **U.S. Cl.** ..... **D12/180**

(58) **Field of Classification Search** ..... D12/180;  
188/71.1, 73.3, 73.31-73.39, 72.2, 72.4,  
188/73.41-73.46, 218 XL, 24.11, 24.12,  
188/1.11 W, 264 A, 264 AA, 18 A; 192/169.2,  
192/169.3, 107 R, 113.36

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,163,874 A	6/1939	Goepfrich
3,039,269 A	6/1962	Hill
3,378,116 A	4/1968	Hennig
3,915,461 A	10/1975	Gautier
4,050,251 A	9/1977	Carre et al.
4,156,532 A	5/1979	Kawaguchi et al.
4,175,648 A	11/1979	Sule
4,318,307 A	3/1982	Kine
4,387,901 A	6/1983	Ritsema
4,492,082 A	1/1985	Belart
4,772,334 A	9/1988	Hatanaka et al.
4,773,224 A	9/1988	Sakamoto et al.
4,840,082 A	6/1989	Terashima et al.
4,858,437 A	8/1989	Ochiai
4,885,910 A	12/1989	Resch
4,903,540 A	2/1990	Beauch
4,939,901 A	7/1990	Saalbach et al.
5,111,661 A	5/1992	Savidan et al.

5,161,375 A	11/1992	Crumb et al.
5,179,834 A	1/1993	Rauschenbach
5,195,322 A	3/1993	Bergelin et al.
5,261,375 A	11/1993	Rush, II et al.
5,275,085 A	1/1994	Hur
5,325,940 A	7/1994	Rueckert et al.
5,390,771 A	2/1995	Hinkens et al.
5,417,067 A	5/1995	Nevitt
5,473,896 A	12/1995	Bergelin et al.
5,535,590 A	7/1996	Nies

(Continued)

**FOREIGN PATENT DOCUMENTS**

DE 3932248 A1 4/1990

(Continued)

**OTHER PUBLICATIONS**

Hope X2 caliper brake pad; Hayes Bicycle Group; 1 page; available at least as early as Oct. 2008.

*Primary Examiner* — Melody N Brown

(74) *Attorney, Agent, or Firm* — Whyte Hirschboeck Dudek S.C.

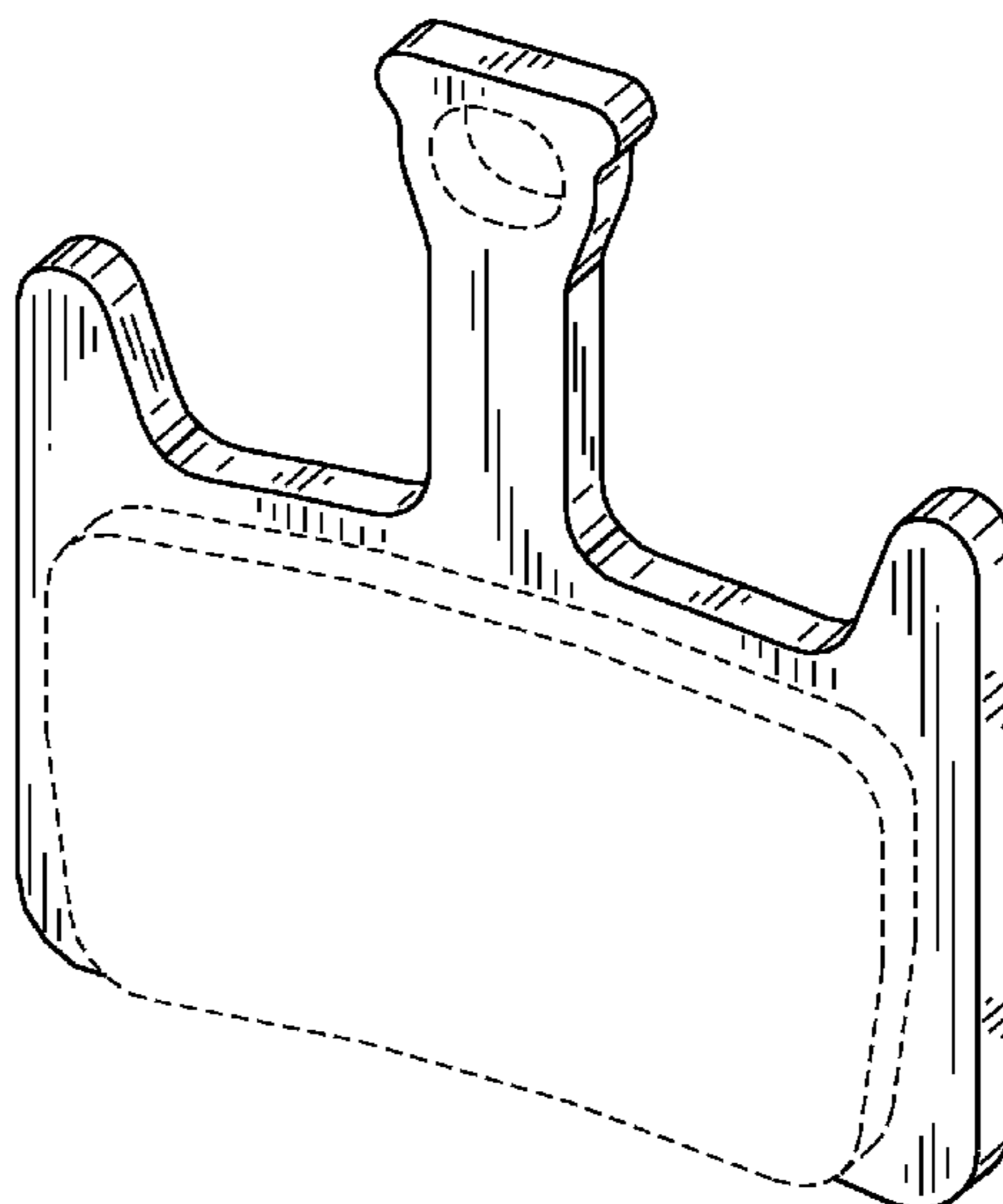
(57) **CLAIM**

An ornamental design for a brake pad, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an embodiment of a brake pad;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a right side view thereof, with the left side view being a mirror image of the right side view;  
FIG. 5 is a top view thereof; and,  
FIG. 6 is a bottom view thereof.  
The broken lines shown in the figures are for illustrative environmental purposes only and form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



# US D641,670 S

Page 2

## U.S. PATENT DOCUMENTS

5,615,754	A	4/1997	Kobayashi et al.
5,636,517	A	6/1997	Mallmann
5,636,518	A	6/1997	Burgoyne et al.
5,826,681	A	10/1998	Kubo et al.
5,839,544	A	11/1998	Yamashita
6,003,639	A	12/1999	Buckley et al.
6,044,936	A	4/2000	Matsumoto et al.
D437,813	S	2/2001	Terasawa
6,230,849	B1	5/2001	Lumpkin
6,244,393	B1	6/2001	Weidenweber et al.
6,318,514	B1	11/2001	Hinkens et al.
6,347,689	B1	2/2002	Ohishi
6,401,882	B1	6/2002	Ueda et al.
6,425,464	B2 *	7/2002	Lumpkin et al. .... 188/24.12
6,431,327	B2	8/2002	Lumpkin
6,434,931	B1	8/2002	Shaw et al.
6,457,378	B2	10/2002	Hatakoshi et al.
6,494,040	B2	12/2002	Pagot et al.
6,607,057	B2	8/2003	Lumpkin et al.
6,769,254	B2	8/2004	Heller et al.
6,804,961	B2	10/2004	Lumpkin
6,837,048	B2	1/2005	Pietsch et al.
6,883,647	B1	4/2005	Wen
6,945,369	B1	9/2005	Chen
6,957,534	B2	10/2005	Lumpkin
D512,667	S	12/2005	Iwasaki
7,007,776	B1	3/2006	Lin
D522,422	S	6/2006	Campbell et al.
D527,321	S	8/2006	Gherardi et al.
7,086,229	B2	8/2006	Mallmann et al.
7,121,094	B2	10/2006	Nohira
7,204,350	B2	4/2007	Lumpkin
D548,656	S	8/2007	Hanamura
7,331,433	B2	2/2008	Okabe
D570,272	S	6/2008	Jones et al.
D573,069	S	7/2008	Jones
D573,926	S	7/2008	Jones
D573,927	S	7/2008	Jones

D574,306	S	8/2008	Jones
D575,703	S	8/2008	Jones
D576,089	S	9/2008	Jones
7,530,435	B2	5/2009	Lumpkin
7,540,147	B2	6/2009	Takizawa et al.
7,546,909	B2	6/2009	Campbell et al.
7,575,105	B2	8/2009	Lumpkin
7,617,913	B2	11/2009	Lumpkin
7,631,733	B2 *	12/2009	Roberts et al. .... 188/73.1
D608,259	S *	1/2010	Becocci ..... D12/180
7,654,171	B2	2/2010	Wen
7,654,366	B2	2/2010	Matsushita
2002/0100276	A1	8/2002	Petin
2003/0155192	A1	8/2003	Tsai
2004/0200674	A1	10/2004	Campbell
2005/0173215	A1	8/2005	Watarai et al.
2006/0070483	A1	4/2006	Dimsey
2007/0144836	A1	6/2007	Kunstle et al.
2008/0053758	A1	3/2008	Ruckh et al.
2008/0060885	A1	3/2008	Ruckh et al.
2008/0116025	A1	5/2008	Lumpkin
2008/0155982	A1	7/2008	Jones et al.
2008/0229863	A1	9/2008	Orrico et al.
2008/0251334	A1	10/2008	Takizawa et al.
2009/0255769	A1	10/2009	Kurita
2009/0272606	A1	11/2009	Chelaidite et al.
2010/0051400	A1	3/2010	Yang

## FOREIGN PATENT DOCUMENTS

DE	4223353	A1	1/1994
DE	10038892	A1	3/2002
DE	102006004210	A1	8/2007
EP	1179686	A2	2/2002
FR	2134082	A1	12/1972
JP	3031054	A1	2/1991
JP	2002031174	A1	1/2002
WO	02058988	A1	8/2002
WO	2007085487	A1	8/2007

\* cited by examiner

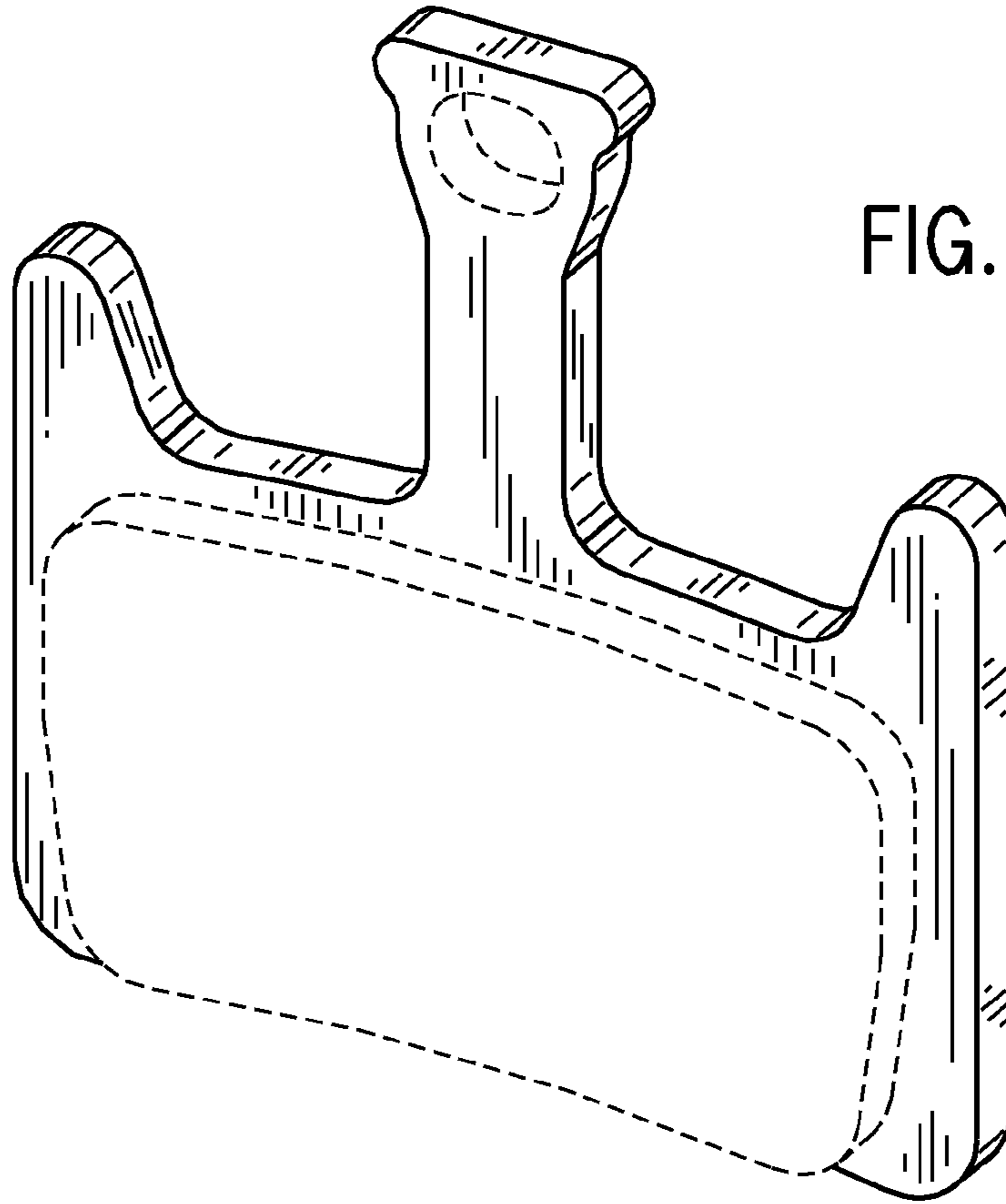


FIG. 1

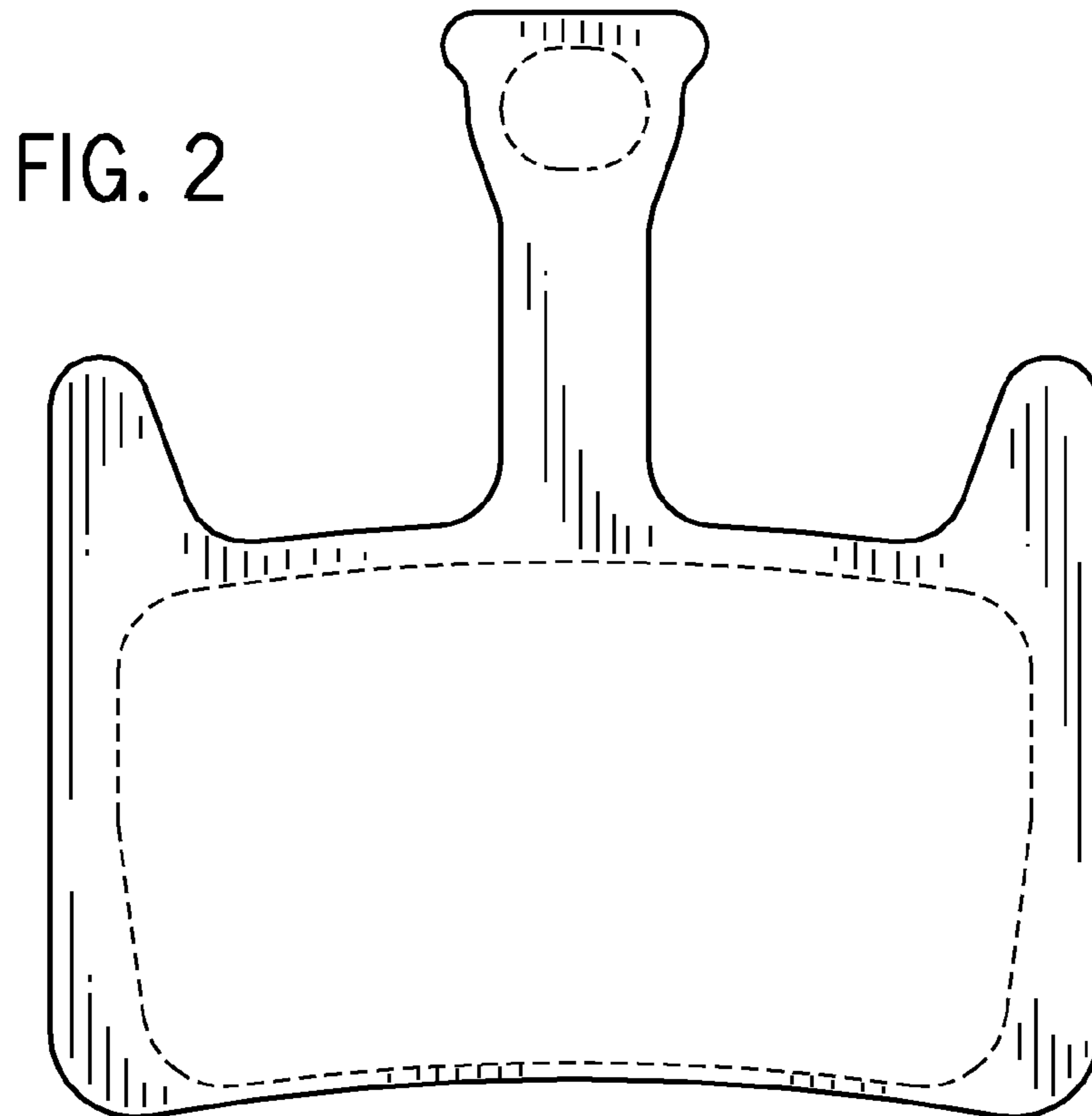


FIG. 2

FIG. 3

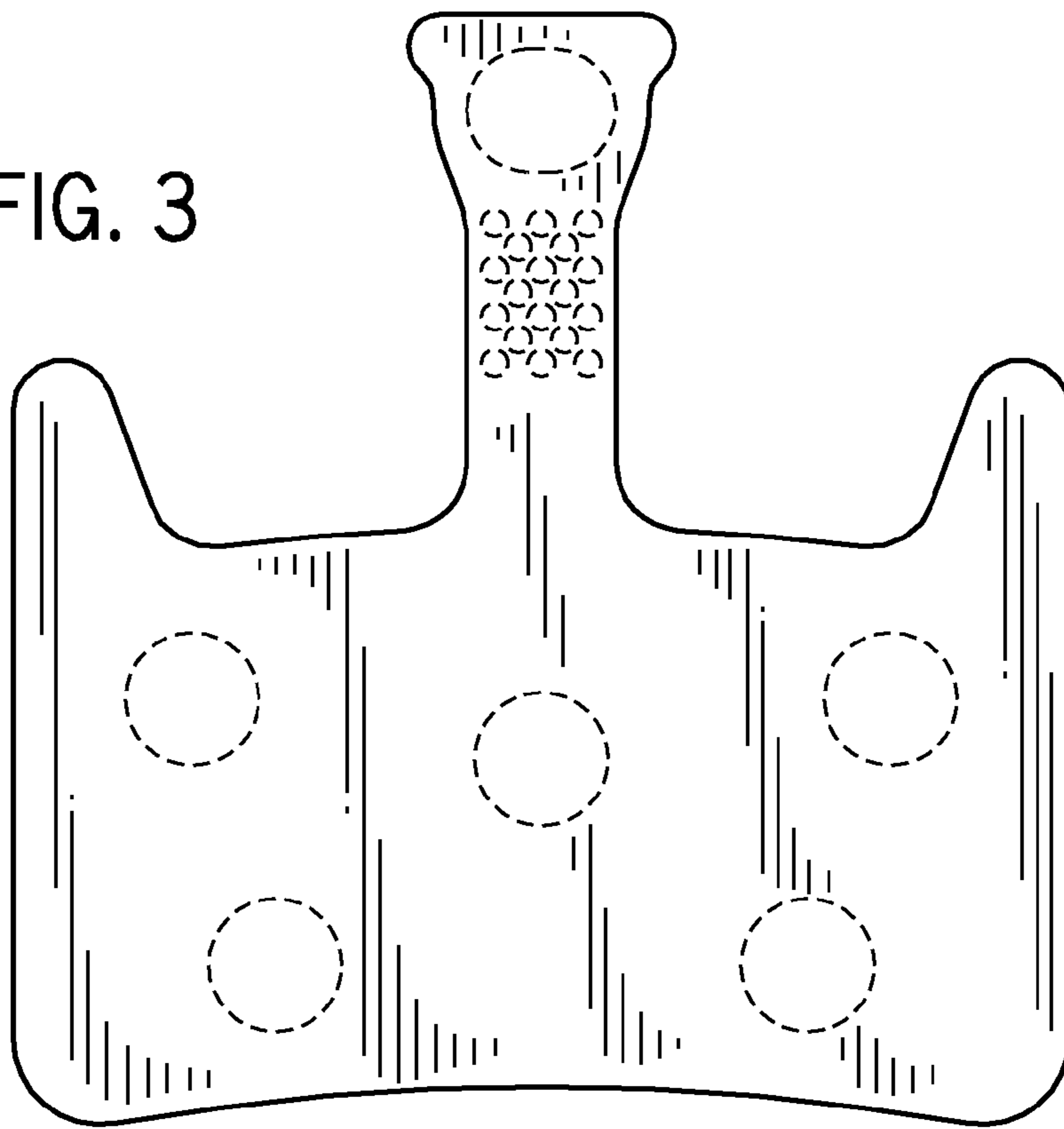


FIG. 4

