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

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(54) **SHOE SOLE**

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

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(52) **U.S. Cl.**
USPC **D2/953**; D2/951; D2/957; D2/960

(58) **Field of Classification Search**
USPC D2/902, 906, 908, 916, 918, 925,
D2/946-962, 977; 36/3 B, 22 R, 24.5, 25 R,
36/28, 32 R, 34 R, 59 C, 67 A, 103
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|--------------|--------|-----------------|--------|
| 1,923,169 A | 8/1933 | Simmons | |
| 2,376,854 A | 5/1945 | Saunders et al. | |
| 3,310,889 A | 3/1967 | Samuels | |
| 3,522,669 A | 8/1970 | Simons | |
| 4,445,286 A | 5/1984 | Norton | |
| D288,027 S * | 2/1987 | Tonkel | D2/957 |
| 4,694,589 A | 9/1987 | Sullivan et al. | |
| 4,833,796 A | 5/1989 | Flemming | |
| 4,845,864 A | 7/1989 | Corliss | |
| D303,451 S * | 9/1989 | Weiner | D2/908 |
| 4,910,883 A | 3/1990 | Zock | |
| 4,918,838 A | 4/1990 | Chang | |
| 4,942,677 A | 7/1990 | Flemming et al. | |
| 5,035,069 A | 7/1991 | Minden | |

| | | |
|-------------|---------|--------------|
| 5,052,130 A | 10/1991 | Barry et al. |
| 5,086,576 A | 2/1992 | Lamson |
| 5,117,567 A | 6/1992 | Berger |
| 5,154,682 A | 10/1992 | Kellerman |
| 5,177,882 A | 1/1993 | Berger |

(Continued)

FOREIGN PATENT DOCUMENTS

| | | |
|----|---------|--------|
| EP | 0272082 | 6/1988 |
| EP | 0726037 | 8/1996 |

(Continued)

OTHER PUBLICATIONS

International Search Report and Written Opinion for International
(PCT) Patent Application No. PCT/US2013/055598 mailed Jan. 9,
2014, 8 pages.

(Continued)

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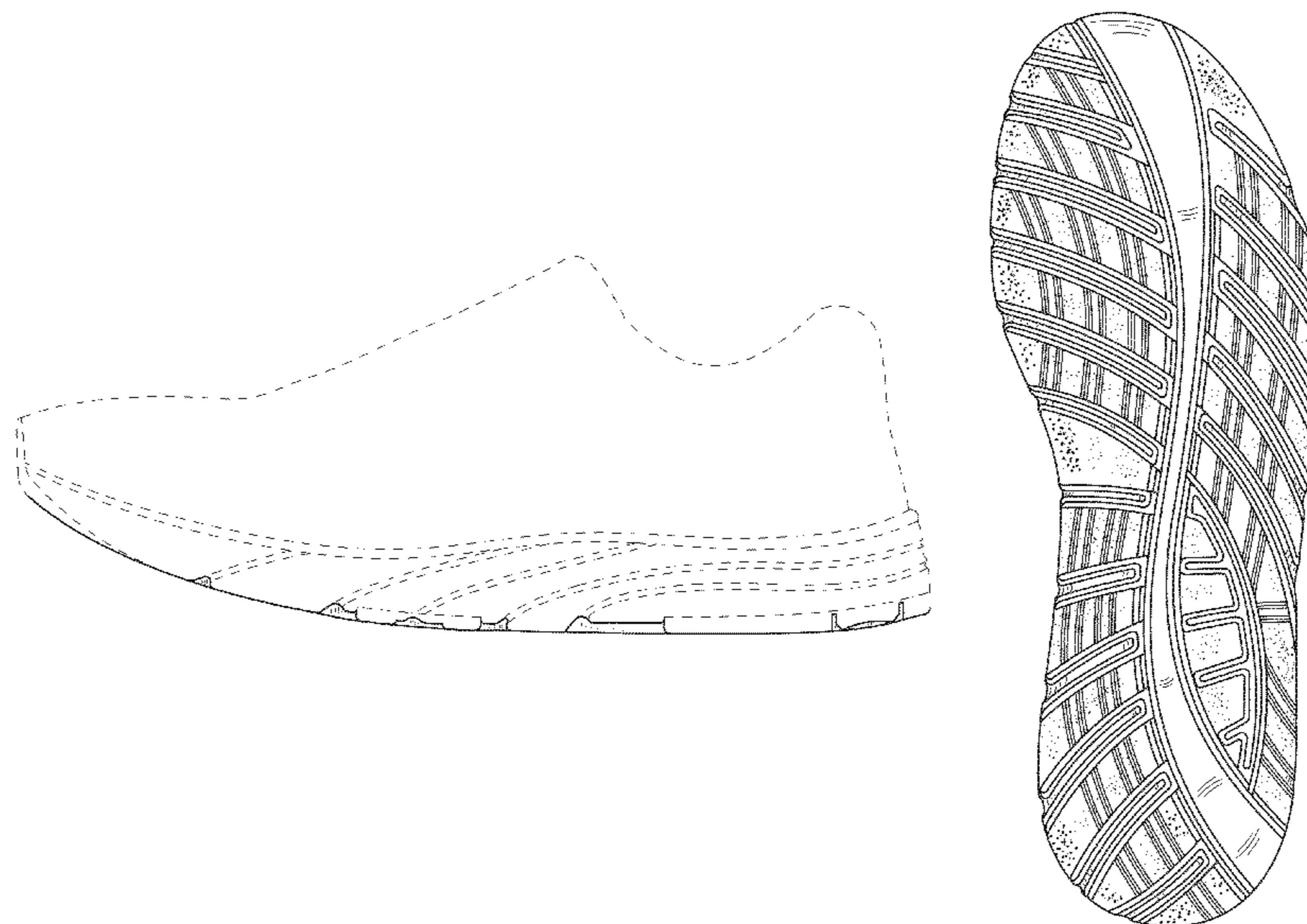
(57) **CLAIM**

The ornamental design for a shoe sole, as shown and
described.

DESCRIPTION

FIG. 1 is a bottom perspective view of the shoe sole showing
our new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a right elevation view thereof;
FIG. 5 is a left elevation view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines comprise environmental structure and form
no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,179,791 A 1/1993 Lain
 5,337,492 A 8/1994 Anderie et al.
 5,406,723 A 4/1995 Okajima
 5,461,800 A 10/1995 Luthi et al.
 5,511,325 A 4/1996 Hieblinger
 5,628,129 A 5/1997 Kilgore et al.
 5,636,456 A 6/1997 Allen
 5,678,327 A 10/1997 Halberstadt
 5,709,954 A 1/1998 Lyden et al.
 D390,348 S * 2/1998 Meyer et al. D2/957
 5,737,854 A 4/1998 Sussmann
 5,761,831 A 6/1998 Cho
 5,836,094 A 11/1998 Figel
 5,897,515 A 4/1999 Willner et al.
 D409,362 S * 5/1999 Turner et al. D2/960
 D412,612 S * 8/1999 Boyer D2/902
 5,934,599 A 8/1999 Hammerslag
 5,940,994 A 8/1999 Allen
 6,006,449 A 12/1999 Orłowski et al.
 6,009,641 A 1/2000 Ryan
 6,079,125 A 6/2000 Quellais et al.
 D428,238 S * 7/2000 Price D2/903
 D432,294 S 10/2000 Wilson
 6,145,221 A 11/2000 Hockerson
 6,289,558 B1 9/2001 Hammerslag
 D456,982 S * 5/2002 Rogers D2/957
 D460,853 S * 7/2002 Sakai D2/953
 6,477,793 B1 11/2002 Pruitt et al.
 6,505,424 B2 1/2003 Oorei et al.
 D473,698 S * 4/2003 St-Louis D2/957
 6,574,889 B2 6/2003 Cagner
 6,601,042 B1 7/2003 Lyden
 D490,220 S * 5/2004 Edauw D2/908
 6,742,286 B2 6/2004 Giovale
 D493,951 S * 8/2004 Adams et al. D2/953
 D496,779 S * 10/2004 Belley et al. D2/960
 D504,007 S * 4/2005 Cintron D2/953
 D508,160 S * 8/2005 Sonnergren D2/953
 D508,307 S * 8/2005 Burg et al. D2/953
 6,922,917 B2 8/2005 Kerns et al.
 6,948,262 B2 9/2005 Kerrigan
 6,948,264 B1 9/2005 Lyden
 7,016,867 B2 3/2006 Lyden
 7,076,892 B2 7/2006 Meschan
 7,100,309 B2 9/2006 Smith et al.
 7,107,235 B2 9/2006 Lyden
 D543,340 S * 5/2007 Favreau et al. D2/960
 7,219,450 B2 5/2007 Langley
 D546,532 S * 7/2007 Matis et al. D2/953
 7,290,357 B2 * 11/2007 McDonald et al. 36/102
 D556,980 S * 12/2007 Bramani D2/902
 7,334,351 B2 2/2008 Hann
 D566,935 S * 4/2008 Matis et al. D2/956
 D566,938 S * 4/2008 Matis et al. D2/957
 7,377,057 B2 5/2008 Lacorazza et al.
 7,383,647 B2 * 6/2008 Chan et al. 36/28
 7,401,424 B2 7/2008 Kerns et al.
 D574,130 S * 8/2008 Le D2/956
 D575,040 S * 8/2008 Bramani D2/953
 D586,991 S * 2/2009 Fuerst D2/957
 7,487,604 B2 2/2009 Perron, Jr.
 7,533,480 B2 5/2009 Chao et al.
 D593,740 S * 6/2009 McClaskie D2/957
 D594,195 S * 6/2009 Nakano D2/957
 D602,237 S * 10/2009 Roundhouse D2/960
 D602,683 S * 10/2009 Roundhouse D2/957
 7,762,008 B1 * 7/2010 Clark et al. 36/3 B
 D632,879 S * 2/2011 Merkazy et al. D2/953
 7,941,941 B2 * 5/2011 Hazenberg et al. 36/28
 7,946,058 B2 * 5/2011 Johnson et al. 36/25 R
 8,082,684 B2 * 12/2011 Munns 36/25 R
 D657,941 S * 4/2012 Bramani et al. D2/902
 D659,361 S * 5/2012 Jolicoeur D2/953
 8,166,672 B2 5/2012 Murphy et al.
 D671,301 S * 11/2012 Dombrow D2/951

D676,224 S * 2/2013 Marshall D2/953
 D683,117 S * 5/2013 Truelsen D2/953
 D693,101 S * 11/2013 Dombrow D2/953
 D695,505 S * 12/2013 Hansen D2/960
 D697,296 S * 1/2014 Loyley D2/953
 8,621,767 B2 * 1/2014 Vestuti et al. 36/28
 8,631,590 B2 * 1/2014 Droege et al. 36/103
 2002/0062578 A1 5/2002 Lussier et al.
 2002/0144429 A1 * 10/2002 Hay 36/25 R
 2003/0051574 A1 3/2003 Muraoka
 2003/0088996 A1 5/2003 Hall
 2004/0068891 A1 4/2004 Wang
 2004/0107601 A1 6/2004 Schmid
 2004/0153168 A1 8/2004 Childress et al.
 2005/0016028 A1 1/2005 Safdeye
 2005/0060909 A1 3/2005 Kerns et al.
 2005/0166422 A1 8/2005 Schaeffer et al.
 2005/0198866 A1 9/2005 Wiper et al.
 2005/0198868 A1 9/2005 Scholz
 2006/0201028 A1 * 9/2006 Chan et al. 36/28
 2007/0039208 A1 2/2007 Bove et al.
 2007/0039209 A1 2/2007 White et al.
 2008/0034615 A1 2/2008 Nishiwaki et al.
 2008/0229617 A1 * 9/2008 Johnson et al. 36/102
 2008/0276496 A1 11/2008 Kerns
 2008/0289221 A1 * 11/2008 Munns 36/89
 2009/0019730 A1 1/2009 Salminen et al.
 2009/0084000 A1 4/2009 Pai
 2009/0113757 A1 5/2009 Banik
 2009/0172971 A1 7/2009 Peikert et al.
 2009/0178303 A1 7/2009 Hurd et al.
 2009/0211115 A1 * 8/2009 Geer 36/108
 2009/0249656 A1 10/2009 Shelton et al.
 2009/0313856 A1 * 12/2009 Arizumi 36/102
 2010/0180474 A1 * 7/2010 Clark et al. 36/3 B
 2010/0192421 A1 8/2010 Kerns et al.
 2010/0281711 A1 * 11/2010 Vestuti et al. 36/28
 2010/0293811 A1 * 11/2010 Truelsen 36/28
 2011/0047816 A1 3/2011 Nurse
 2011/0138652 A1 6/2011 Lucas et al.
 2011/0185590 A1 * 8/2011 Nishiwaki et al. 36/28
 2011/0197469 A1 * 8/2011 Nishiwaki et al. 36/28
 2011/0214313 A1 * 9/2011 James et al. 36/103
 2012/0000095 A1 1/2012 Torrance
 2013/0152428 A1 * 6/2013 Bishop et al. 36/103
 2014/0013626 A1 * 1/2014 James et al. 36/103

FOREIGN PATENT DOCUMENTS

EP 1832191 9/2007
 EP 1832192 9/2007
 WO WO 96/00512 1/1996
 WO WO 03/002042 1/2003
 WO WO 2004/113058 12/2004

OTHER PUBLICATIONS

U.S. Appl. No. 29/428,044, filed Jul. 25, 2012, Tucker et al.
 U.S. Appl. No. 29/428,045, filed Jul. 25, 2012, Tucker et al.
 U.S. Appl. No. 29/428,047, filed Jul. 25, 2012, Tucker et al.
 U.S. Appl. No. 29/428,051, filed Jul. 25, 2012, Tucker et al.
 U.S. Appl. No. 29/428,052, filed Jul. 25, 2012, Tucker et al.
 U.S. Appl. No. 14/006,145, filed Sep. 19, 2013, Torrance et al.
 “Carbon (fiber),” Wikipedia, the free encyclopedia, 2010, [retrieved on Feb. 27, 2011], 5 pages. Retrieved from: [http://en.wikipedia.org/wiki/Carbon_\(fiber\)](http://en.wikipedia.org/wiki/Carbon_(fiber)).
 “Carbon fiber-reinforced polymer,” Wikipedia, the free encyclopedia, 2011, [retrieved on Feb. 27, 2011], 7 pages. Retrieved from: http://en.wikipedia.org/wiki/Carbon_fiber-reinforced_polymer.
 “Composite material,” Wikipedia, the free encyclopedia, 2011, [retrieved on Feb. 26, 2011], 10 pages. Retrieved from: http://en.wikipedia.org/wiki/Composite_material.
 “Deformation (mechanics),” Wikipedia, the free encyclopedia, 2011, [retrieved on Feb. 27, 2011], 14 pages. Retrieved from: [http://en.wikipedia.org/wiki/Deformation_\(mechanics\)](http://en.wikipedia.org/wiki/Deformation_(mechanics)).
 “Pre-preg,” Wikipedia, the free encyclopedia, 2011 [retrieved on Sep. 25, 2013], 2 pages. Retrieved from: <http://en.wikipedia.org/w/index.php?title=Pre-preg&direction=prev&oldid=406926465>.

(56)

References Cited

Medicine and Rehabilitation Clinics of North America, 2005, vol. 16,

OTHER PUBLICATIONS

No. 3, pp. 603-621.

U.S. Appl. No. 13/970,274, filed Aug. 19, 2013, Tucker et al.

Dugan et al., "Biomechanics and Analysis of Running Gait," Physical

* cited by examiner

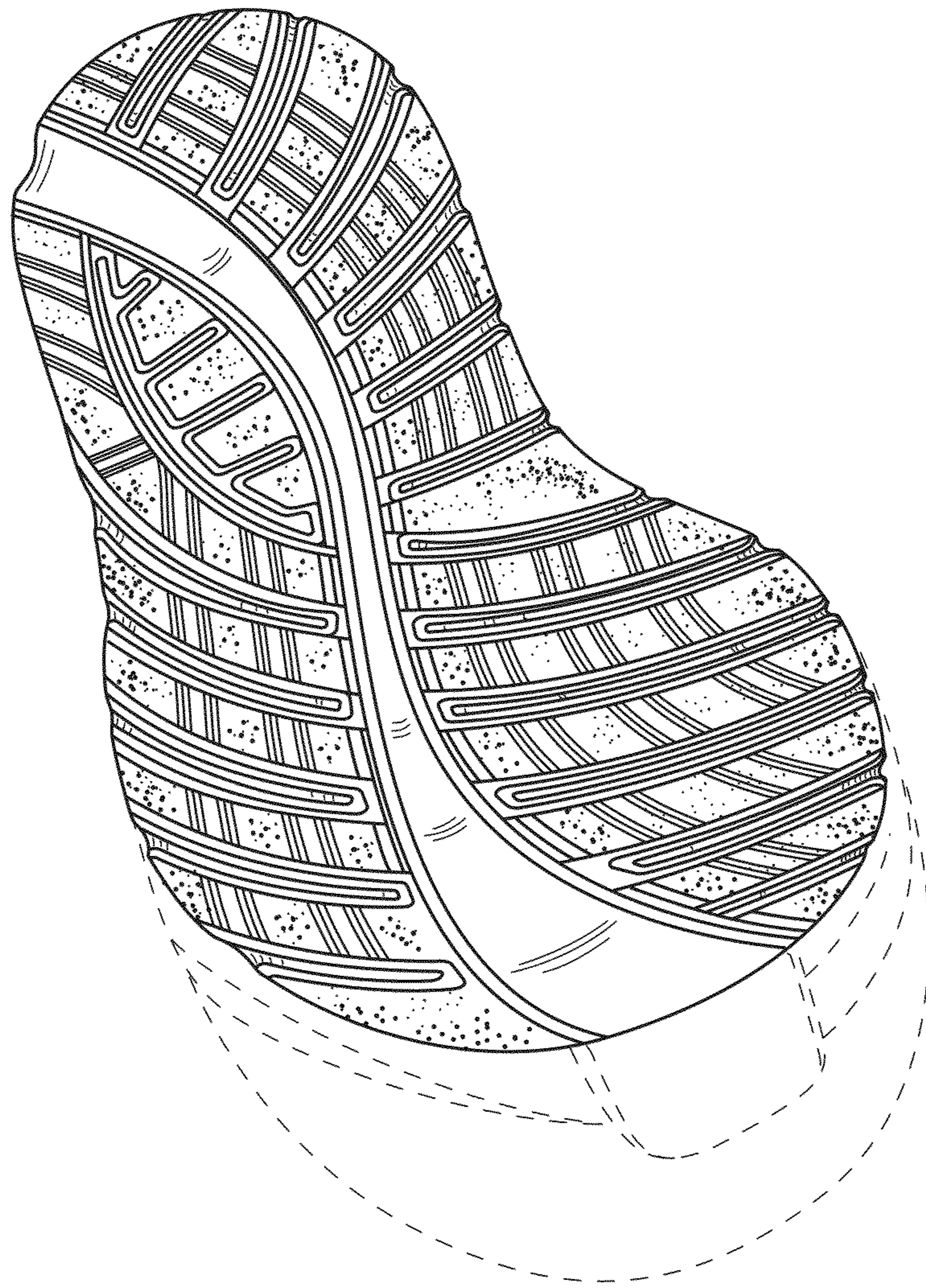


FIG.1

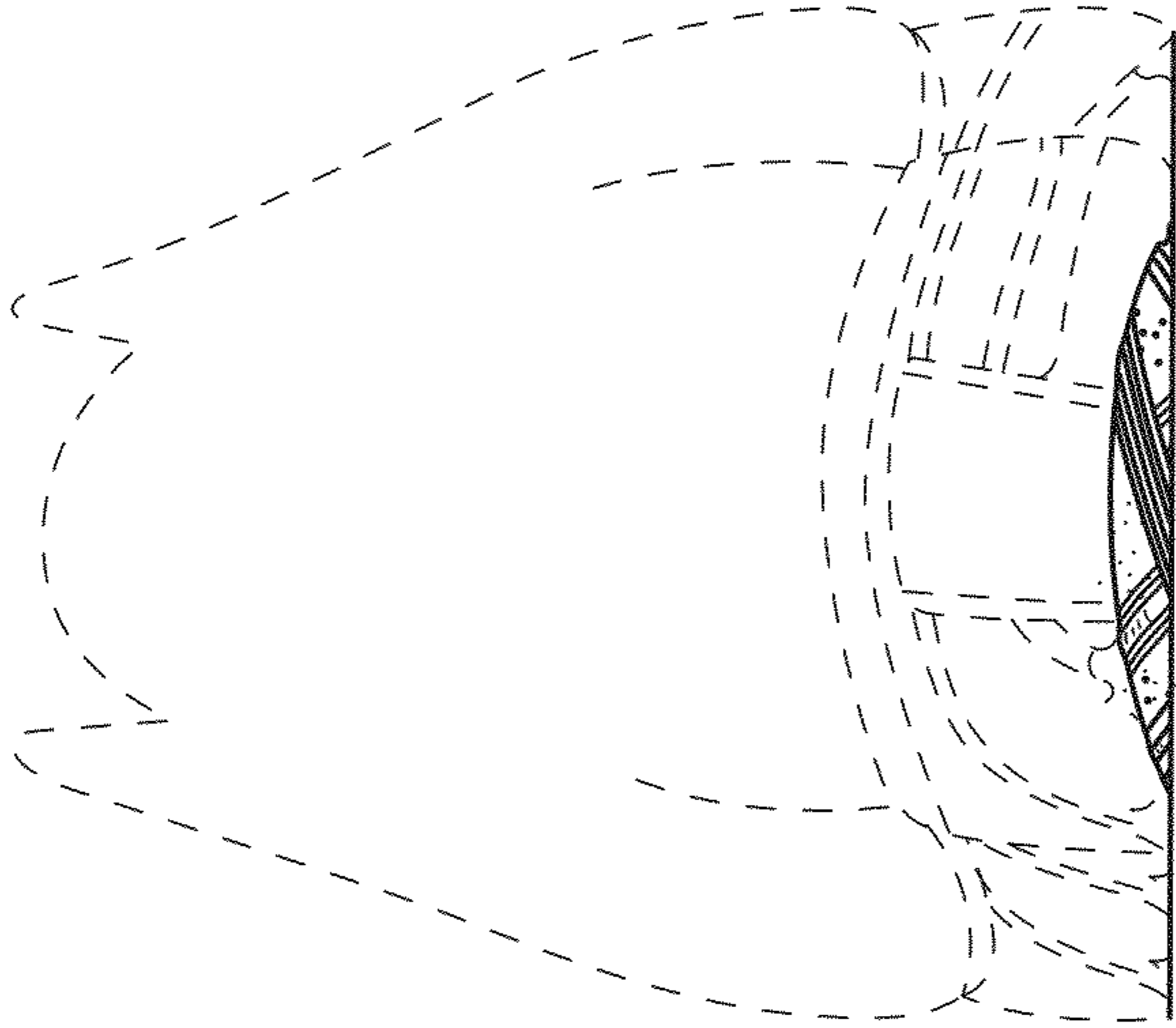


FIG.3

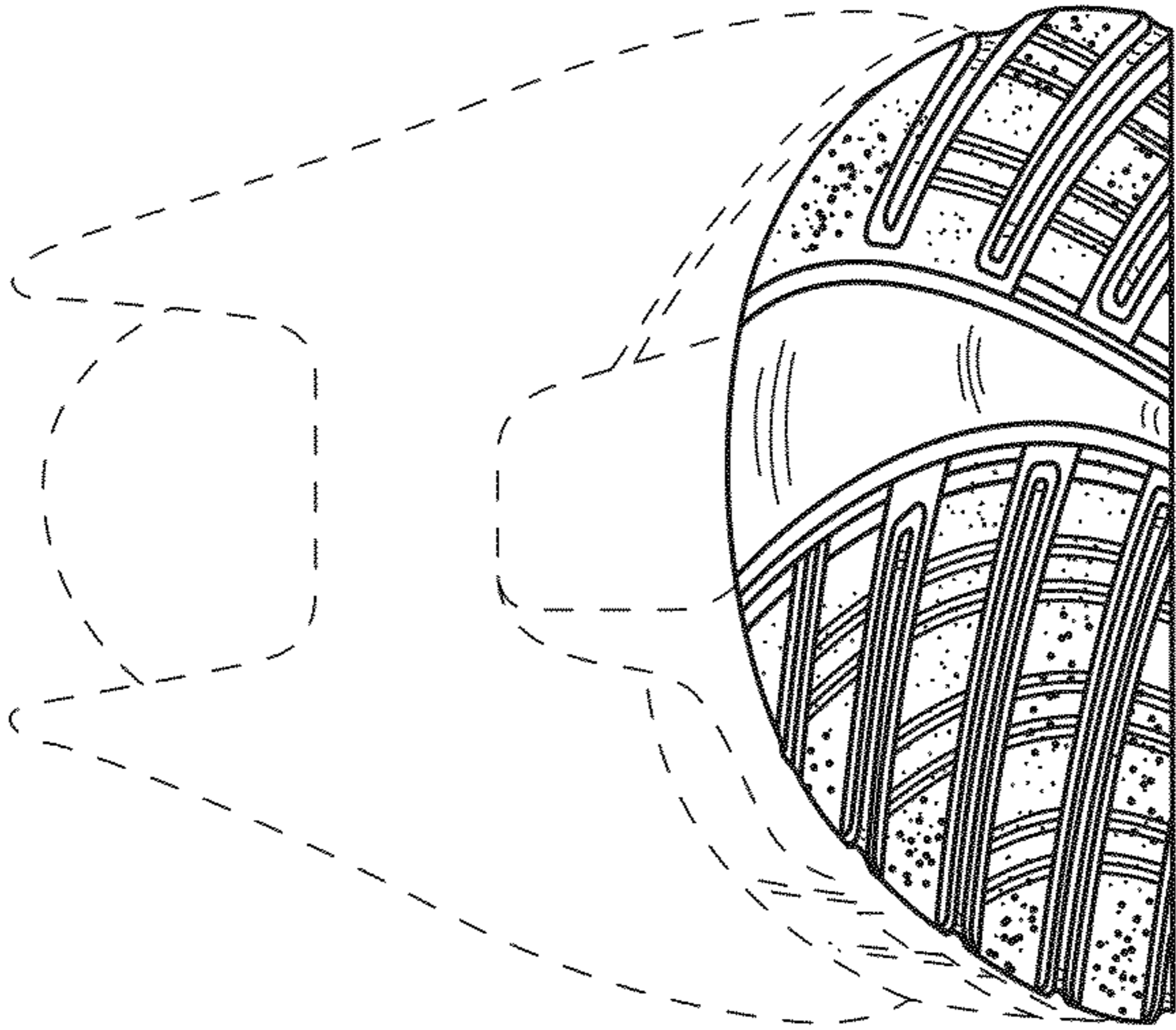


FIG.2

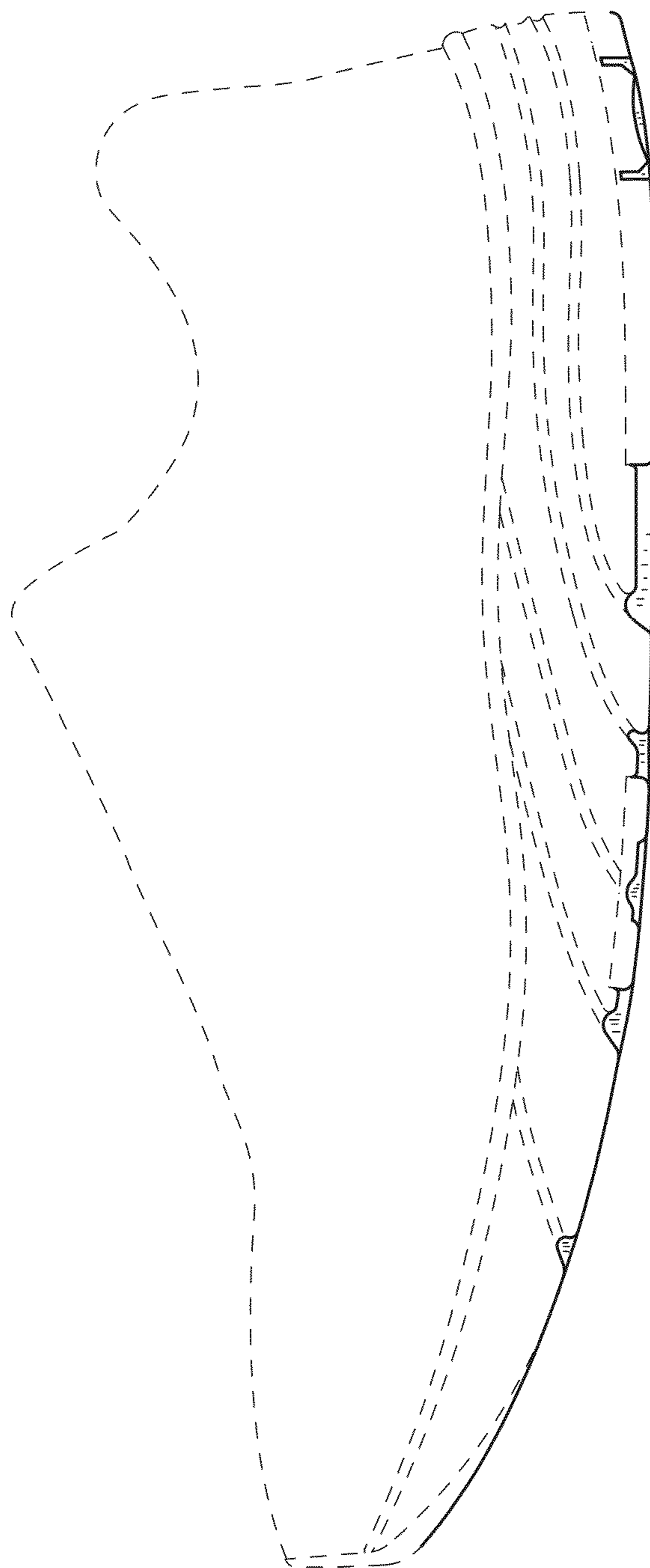


FIG.4

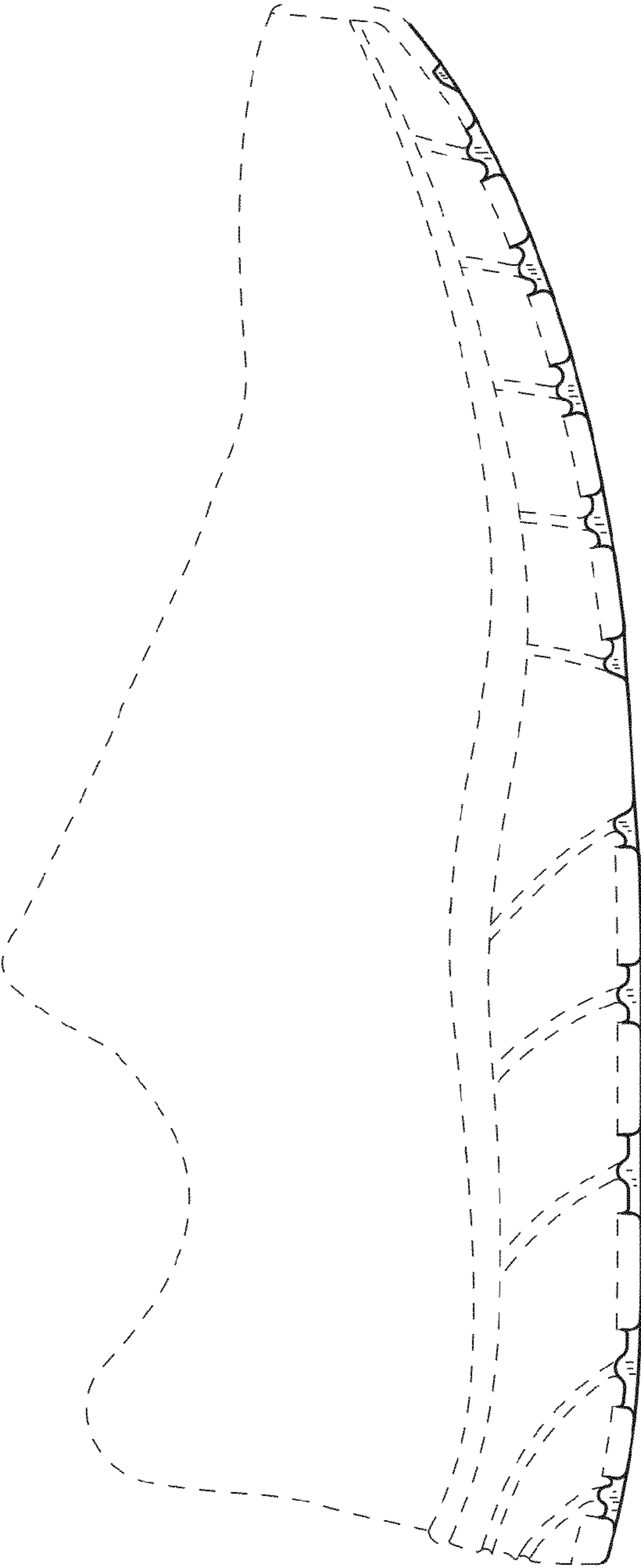


FIG.5

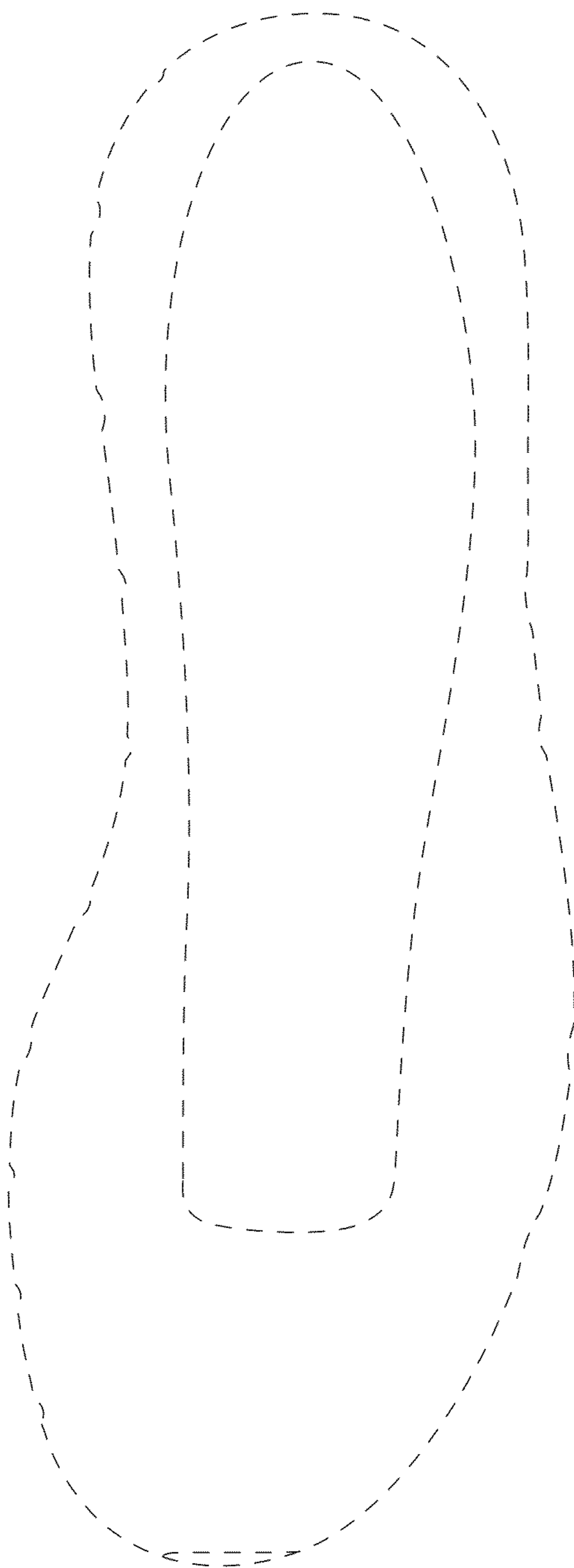


FIG.6

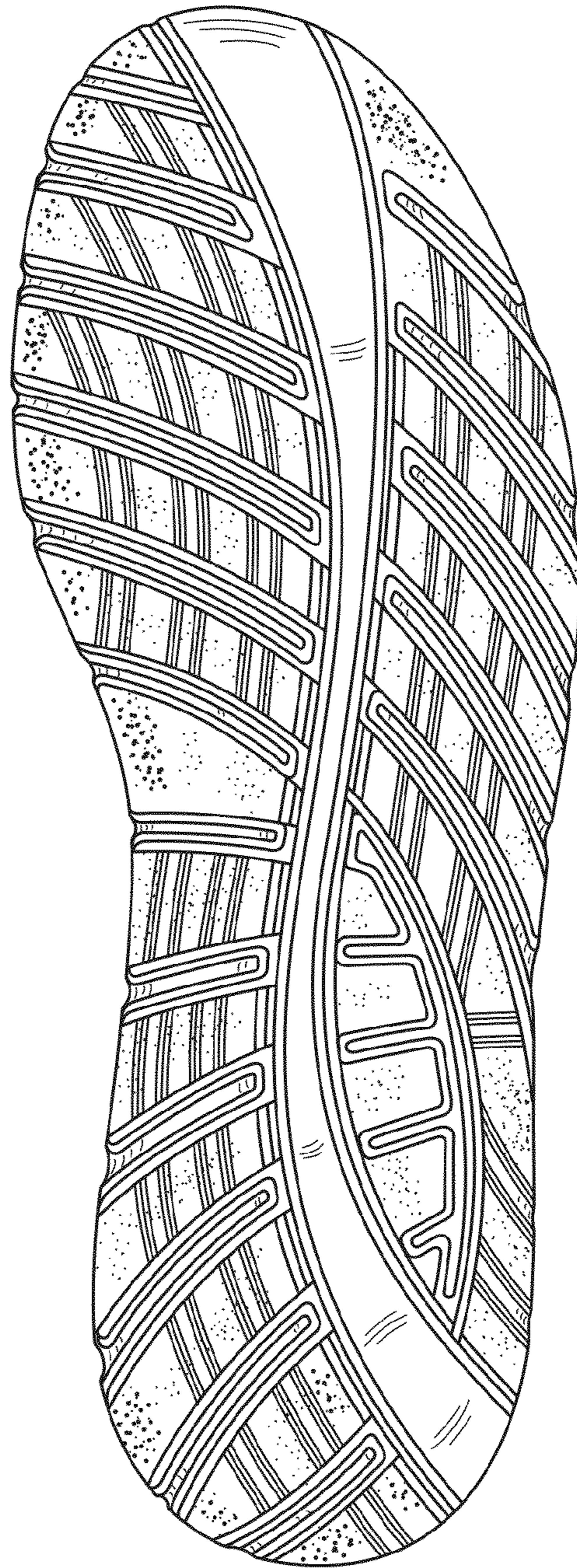


FIG. 7