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

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(54) **SURGICAL FASTENER**
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OH (US)

3,236,142 A * 2/1966 Bradway 411/457
3,740,994 A 6/1973 DeCarlo, Jr.
3,757,629 A 9/1973 Schneider
4,090,337 A 5/1978 Szekeres
4,220,070 A 9/1980 Anstett
4,235,238 A 11/1980 Ogiu et al.
4,325,376 A 4/1982 Klieman et al.
4,428,376 A 1/1984 Mericle
4,450,998 A 5/1984 Ruskin
4,454,875 A 6/1984 Pratt et al.

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(Continued)

FOREIGN PATENT DOCUMENTS

EP 432320 6/1991
EP 0770354 5/1997

(Continued)

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OTHER PUBLICATIONS

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

Covidien ProTack, www.covidien.com, 3 pp (2009).

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(Continued)

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Related U.S. Application Data

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filed on May 12, 2009.

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

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

(58) **Field of Classification Search**
USPC D24/145; 606/60, 75, 219, 213, 215,
606/220, 142, 151; 227/902; 411/457, 920;
616/142, 151

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

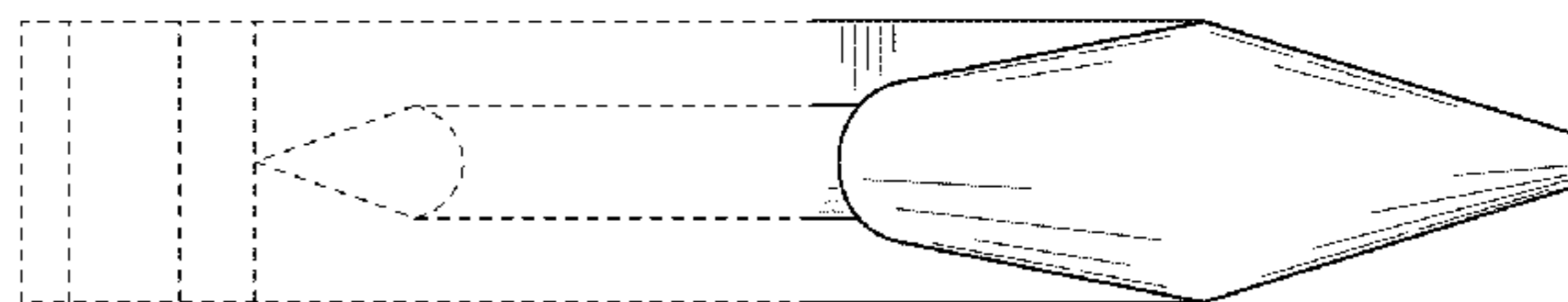
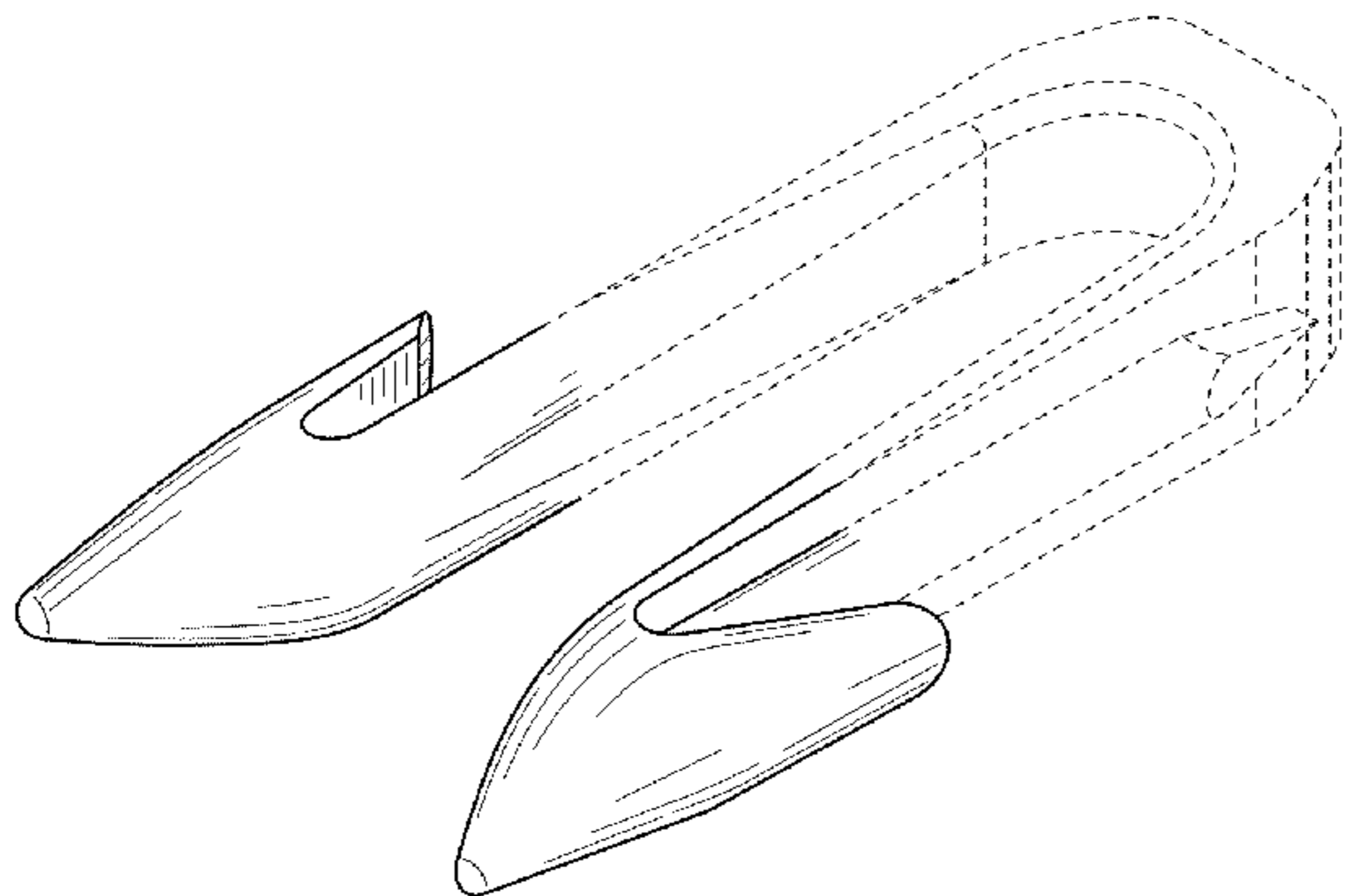
575,157 A 1/1897 Howell
1,311,903 A * 8/1919 Leschander 411/920
2,283,814 A 5/1942 LaPlace
2,786,450 A 3/1957 Jacobus et al.

(57) **CLAIM**
The ornamental design for a surgical fastener, as shown and
described.

DESCRIPTION

FIG. 1 is a perspective view of a surgical fastener, showing
our new design;
FIG. 2 is a front elevation view of the surgical fastener shown
in FIG. 1;
FIG. 3 is a left side view of the surgical fastener shown in FIG.
1;
FIG. 4 is a right side view of the surgical fastener shown in
FIG. 1; and,
FIG. 5 is a top plan view of the surgical fastener shown in FIG.
1.
The broken lines in the drawings form no part of the claimed
design for a surgical fastener.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,471,780 A 9/1984 Menges et al.
 4,478,220 A 10/1984 DiGiovanni et al.
 4,534,350 A 8/1985 Golden et al.
 4,534,352 A 8/1985 Korthoff
 4,548,202 A 10/1985 Duncan
 4,570,623 A 2/1986 Ellison et al.
 D286,442 S * 10/1986 Korthoff et al. D24/145
 4,624,254 A 11/1986 McGarry et al.
 4,627,437 A 12/1986 Bedi et al.
 4,635,637 A 1/1987 Schreiber
 4,669,473 A 6/1987 Richards et al.
 4,696,300 A 9/1987 Anderson
 4,873,976 A 10/1989 Schreiber
 4,976,715 A 12/1990 Bays et al.
 5,002,562 A 3/1991 Oberlander
 5,053,038 A 10/1991 Sheehan
 5,104,395 A 4/1992 Thornton et al.
 5,203,864 A 4/1993 Phillips
 5,258,012 A * 11/1993 Luscombe et al. 606/220
 5,290,297 A 3/1994 Phillips
 5,328,077 A 7/1994 Lou
 5,439,468 A 8/1995 Schulze et al.
 5,443,198 A 8/1995 Viola et al.
 5,470,010 A 11/1995 Rothfuss et al.
 5,520,700 A 5/1996 Beyar et al.
 5,522,797 A 6/1996 Grimm
 5,522,817 A 6/1996 Sander et al.
 5,582,616 A 12/1996 Bolduc et al.
 5,593,421 A 1/1997 Bauer
 5,601,573 A 2/1997 Fogelberg et al.
 D378,409 S * 3/1997 Michelson D24/145
 5,755,726 A 5/1998 Pratt et al.
 5,810,882 A 9/1998 Bolduc et al.
 5,827,298 A 10/1998 Hart et al.
 5,830,221 A 11/1998 Stein et al.
 5,833,700 A 11/1998 Fogelberg et al.
 5,843,084 A 12/1998 Hart et al.
 5,921,997 A 7/1999 Fogelberg et al.
 5,951,574 A 9/1999 Stefanchik et al.
 5,993,476 A 11/1999 Groiso
 5,997,552 A 12/1999 Person et al.
 6,083,242 A 7/2000 Cook
 6,296,643 B1 10/2001 Hopf et al.
 6,299,613 B1 10/2001 Ogilvie et al.
 6,325,805 B1 12/2001 Ogilvie et al.
 6,616,669 B2 9/2003 Ogilvie et al.
 6,666,872 B2 12/2003 Barreiro et al.
 6,716,226 B2 * 4/2004 Sixto et al. 606/142
 6,773,437 B2 8/2004 Ogilvie et al.
 7,104,999 B2 9/2006 Overaker
 7,105,010 B2 9/2006 Hart et al.
 7,112,214 B2 9/2006 Peterson et al.
 2002/0068947 A1 6/2002 Kuhns et al.

2002/0156500 A1 10/2002 Storz-Irion et al.
 2004/0034357 A1 2/2004 Beane et al.
 2004/0138705 A1 7/2004 Heino et al.
 2004/0204723 A1 10/2004 Kayan
 2004/0260343 A1 12/2004 Leclair
 2005/0059984 A1 3/2005 Chanduszkow et al.
 2005/0182444 A1 8/2005 Peterson et al.
 2005/0240222 A1 10/2005 Shipp
 2005/0283189 A1 12/2005 Rosenblatt
 2005/0288689 A1 12/2005 Kammerer et al.
 2006/0079913 A1 4/2006 Whitfield et al.
 2007/0088390 A1 4/2007 Paz et al.
 2007/0142838 A1 6/2007 Jordan
 2007/0208358 A1 9/2007 Kayan
 2008/0045978 A1 2/2008 Kuhns et al.
 2008/0065153 A1 3/2008 Allard et al.
 2008/0065154 A1 3/2008 Allard et al.
 2008/0217376 A1 9/2008 Clauson et al.
 2008/0275471 A1 11/2008 Viola
 2009/0030434 A1 1/2009 Paz et al.
 2009/0036903 A1 2/2009 Ino et al.
 2009/0118734 A1 5/2009 Bhatnagar et al.
 2010/0270354 A1 10/2010 Rimer et al.
 2010/0292710 A1 11/2010 Daniel et al.
 2010/0292712 A1 11/2010 Cohn et al.
 2010/0292713 A1 11/2010 Cohn et al.
 2010/0292715 A1 * 11/2010 Nering et al. 606/151
 2011/0079627 A1 4/2011 Cardinale et al.
 2012/0071566 A1 * 3/2012 Kelly et al. 606/151
 2013/0153627 A1 * 6/2013 Euteneuer et al. 606/75
 2013/0153628 A1 * 6/2013 Euteneuer 606/75

FOREIGN PATENT DOCUMENTS

EP 1090591 6/2001
 EP 1138263 10/2001
 JP 06-233772 8/1994
 WO 9944525 9/1999
 WO 2007011994 1/2007

OTHER PUBLICATIONS

Sofradim I-Clip, www.surgicalproductsmag.com, 2 pp (2009).
 Davol PermaSorb, www.bardnordic.com, 4 pp (2009).
 Covidien AbsorbaTacks, www.covidien.com, 2 pp (2009).
 Easy-Lap iMesh Tacker, www.easy-lap.com, 2011, 1 p.
 International Search Report for International Application No. PCT/US2010/033956 dated Jul. 22, 2010, 4 pp.
 International Search Report for International Application No. PCT/US2010/033959 dated Aug. 2, 2010, 5 pp.
 International Search Report for International Application No. PCT/US2010/033960 dated Aug. 2, 2010, 5 pp.
 International Search Report for International Application No. PCT/US2010/033963 dated Oct. 22, 2010, 5 pp.

* cited by examiner

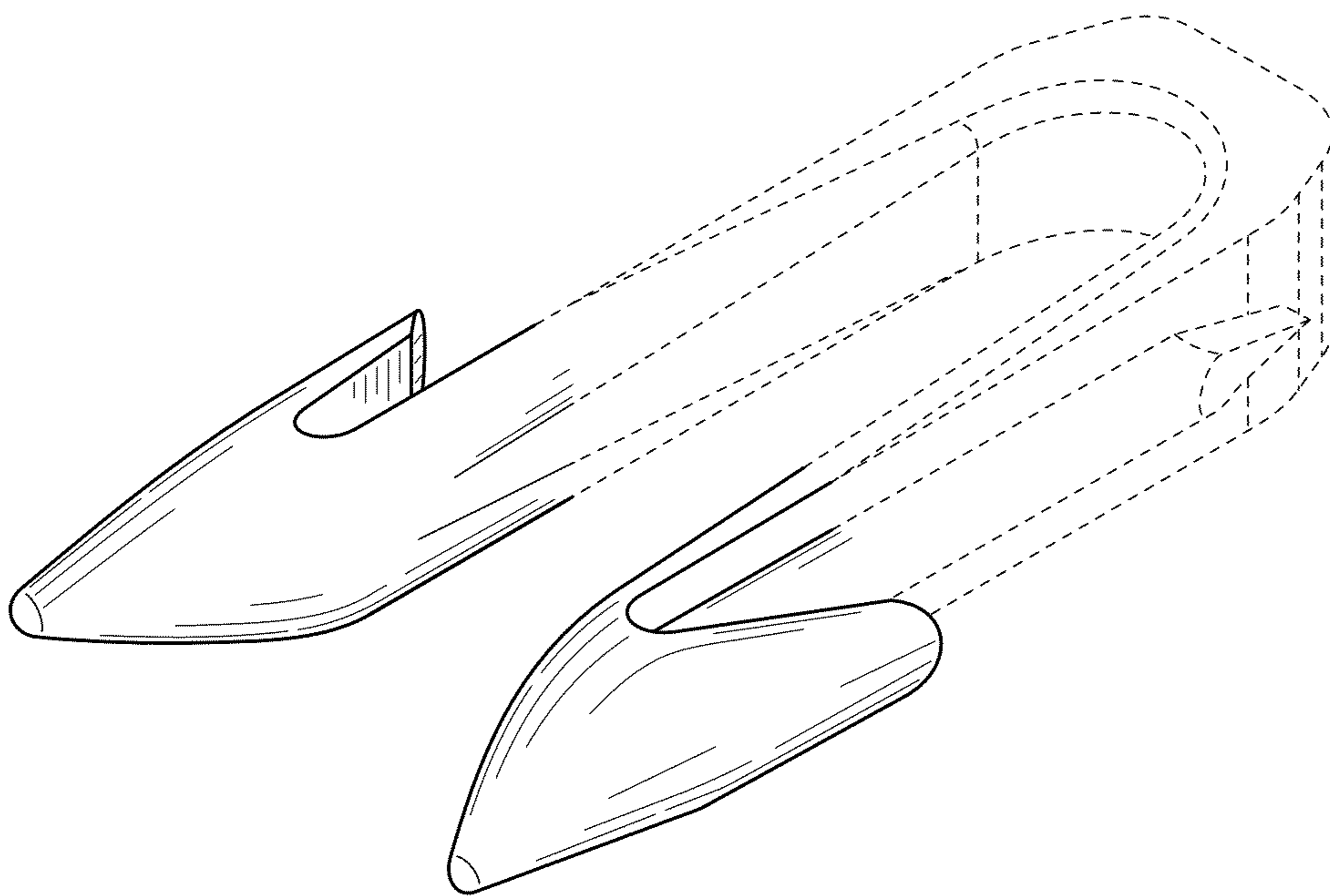


FIG. 1

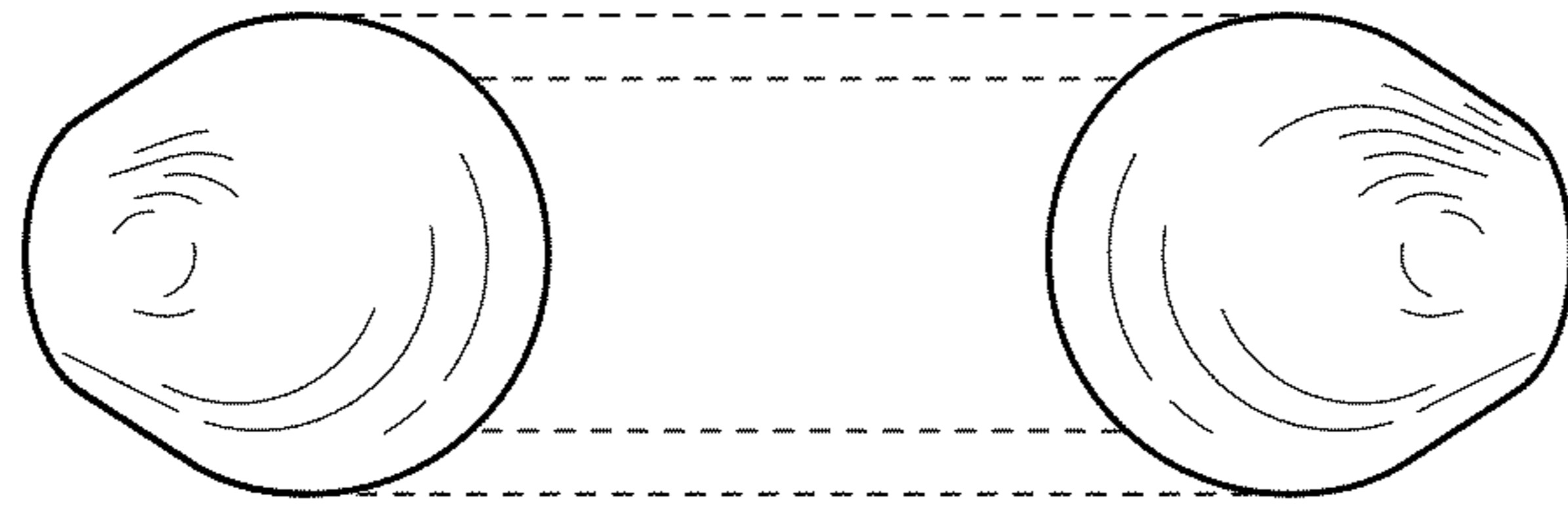


FIG. 2

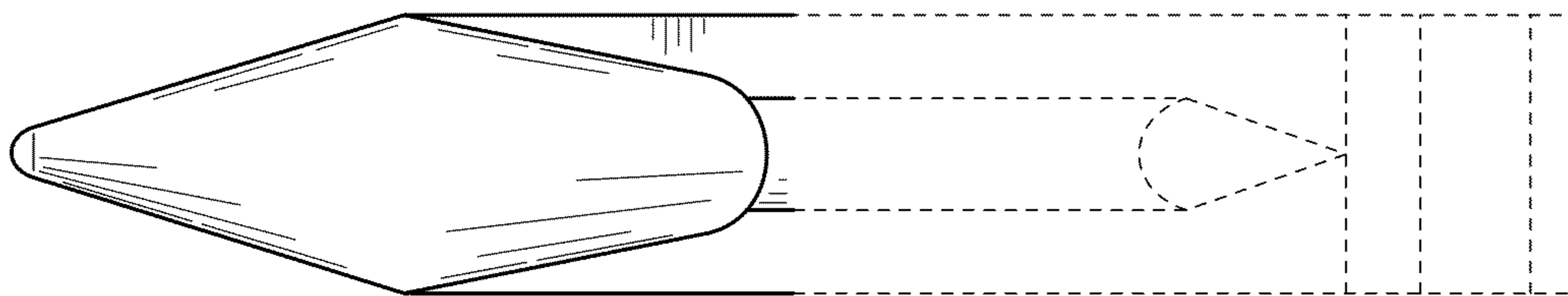


FIG. 3

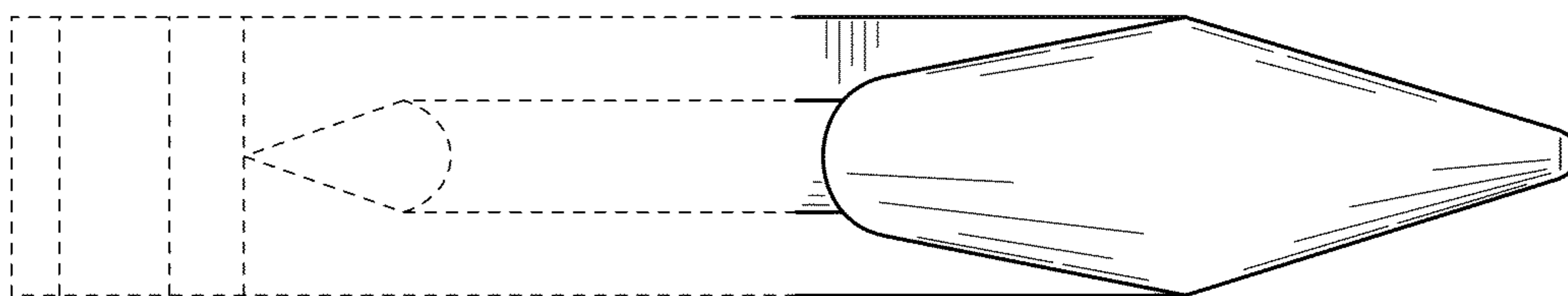


FIG. 4

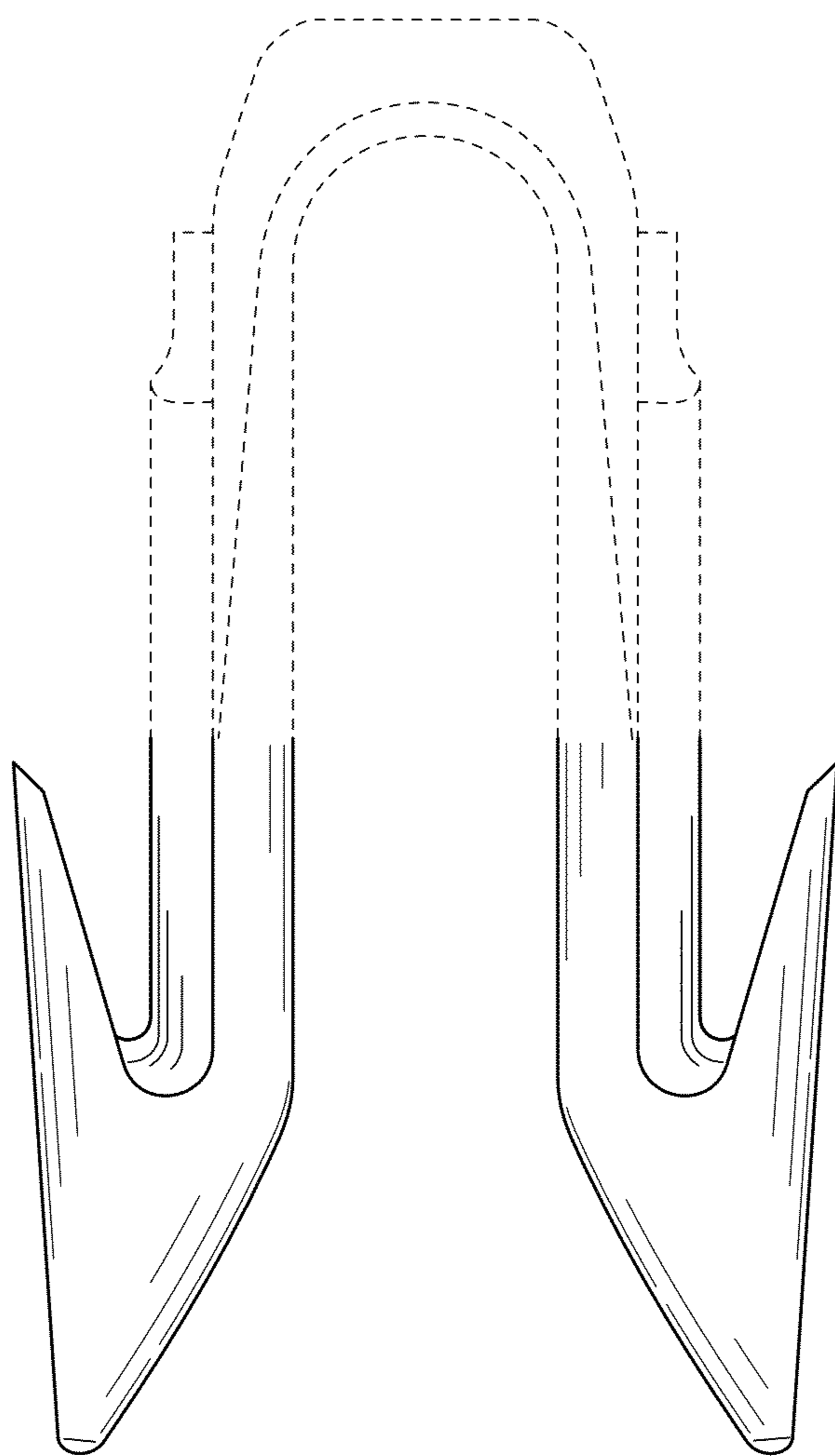


FIG. 5