

US00D767483S

(12) **United States Design Patent** (10) **Patent No.:** **US D767,483 S**
Martin et al. (45) **Date of Patent:** **** Sep. 27, 2016**

(54) **TIRE TREAD**

(71) Applicant: **Caterpillar Inc.**, Peoria, IL (US)
(72) Inventors: **Kevin Martin**, Washburn, IL (US);
David Colantoni, Metamora, IL (US)

(73) Assignee: **Caterpillar Inc.**, Peoria, IL (US)

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

(21) Appl. No.: **29/517,580**

(22) Filed: **Feb. 13, 2015**

(51) **LOC (10) Cl.** **12-15**

(52) **U.S. Cl.**
USPC **D12/604**; D12/579

(58) **Field of Classification Search**
USPC D12/500-568, 580-604, 900
CPC B60C 7/18; B60C 11/04; B60C 11/0311;
B60C 7/10; B60C 7/14; B60B 9/26; B60B
9/04

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

854,699	A	5/1907	Nash
1,125,191	A	1/1915	Scotucci et al.
1,164,887	A	12/1915	Strauch et al.
D50,873	S	6/1917	Jones
D59,024	S	9/1921	McCullough
D67,515	S	2/1925	Gillam
D68,536	S	2/1925	Lenhoff
2,620,844	A	12/1952	Lord
2,742,941	A	4/1956	Johnson
3,219,090	A	11/1965	Cislo
4,226,273	A	10/1980	Long et al.
4,553,577	A	11/1985	Gregg
4,934,425	A	6/1990	Gajewski et al.
4,945,962	A	8/1990	Pajtas
5,042,544	A	8/1991	Dehasse
5,223,599	A	6/1993	Gajewski
5,343,916	A	9/1994	Duddey et al.
D385,519	S *	10/1997	de Briey-Terlinden D12/579
D401,896	S	12/1998	Chandler et al.
6,615,885	B1	9/2003	Ohm

(Continued)

FOREIGN PATENT DOCUMENTS

JP D1416103 5/2011
JP D1416237 5/2011

(Continued)

OTHER PUBLICATIONS

Arsenal Tubless Tire found online [Mar. 23, 2016] <http://www.bigsquidrc.com/rc4wd-arsenal-5-25-mil-concept-wheel-tire-combo/>.*

(Continued)

Primary Examiner — Robert M Spear

Assistant Examiner — John Voytek

(74) *Attorney, Agent, or Firm* — Saidman DesignLaw Group, LLC

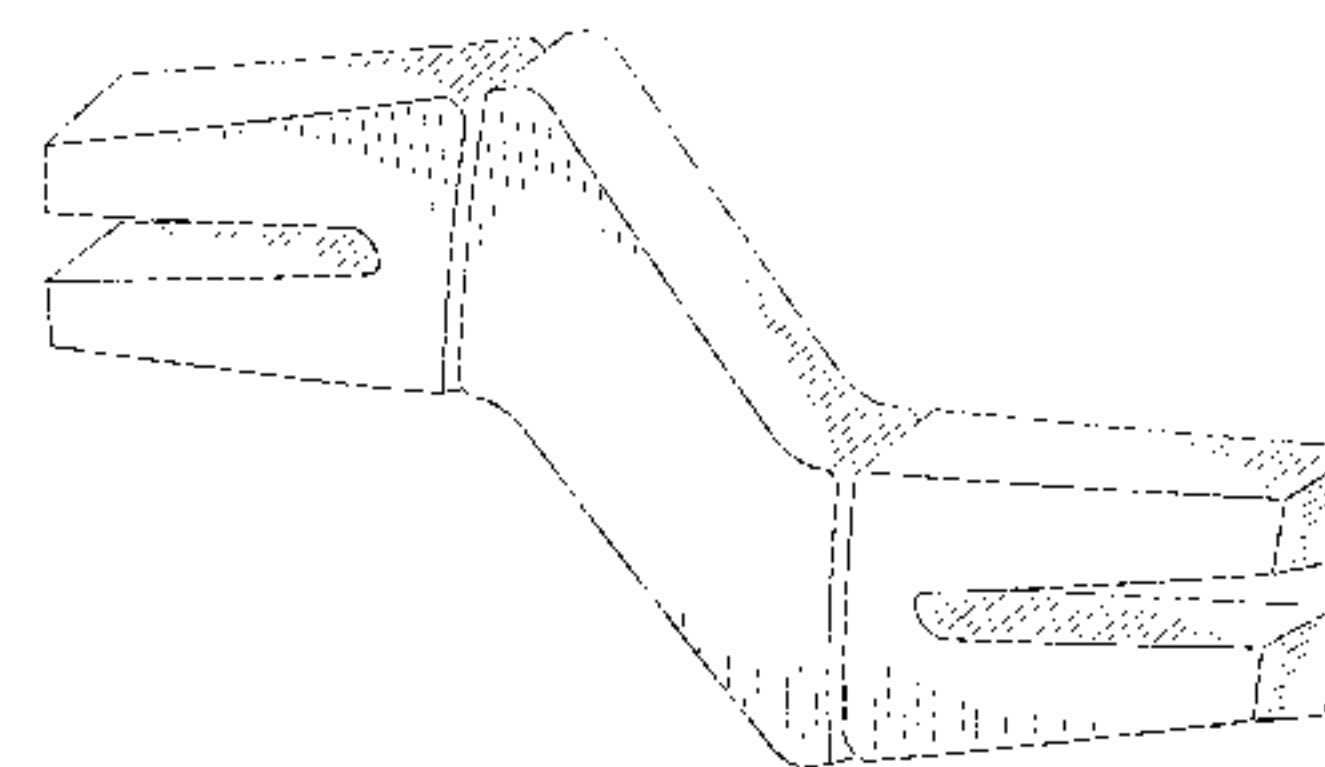
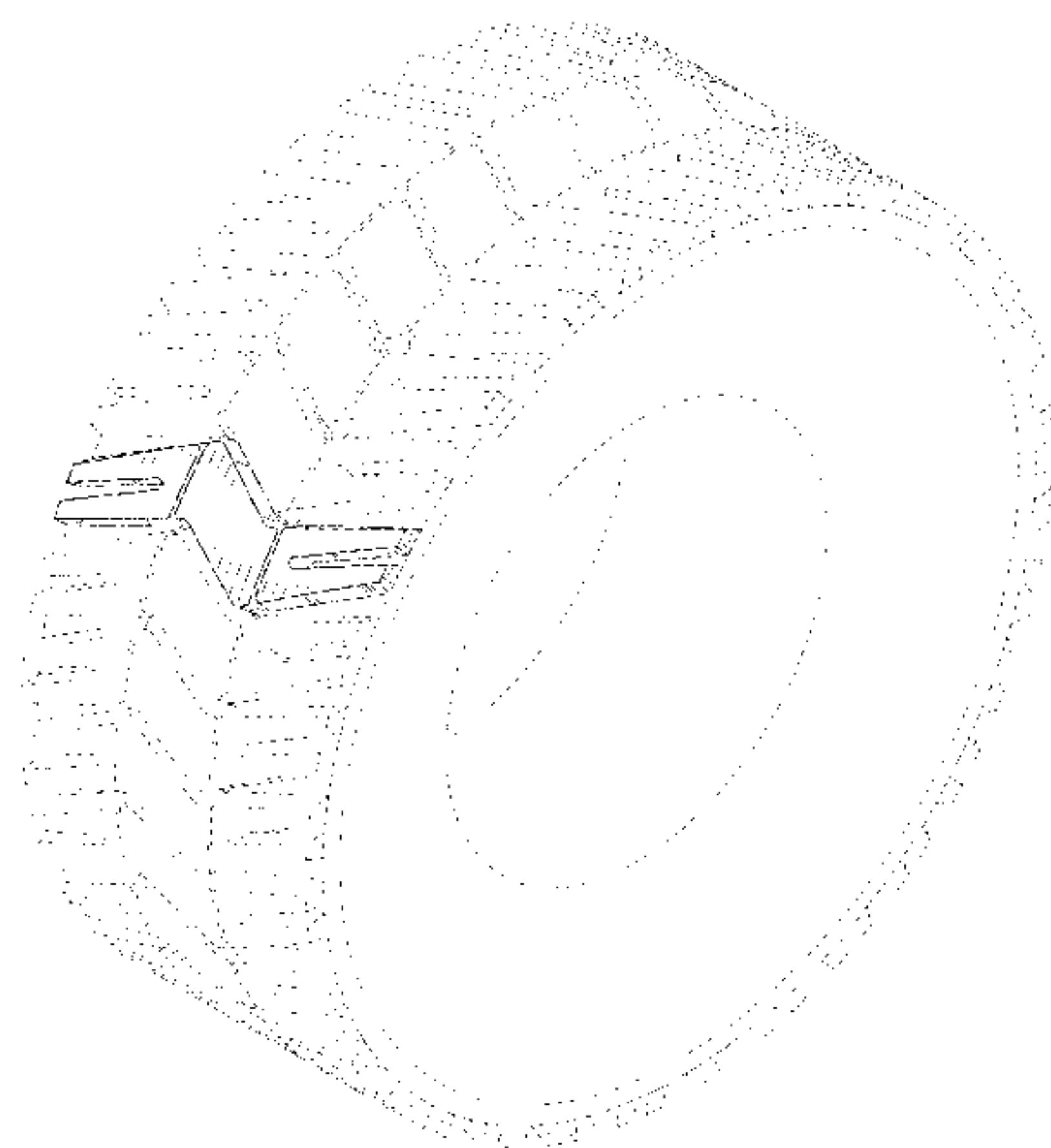
(57) **CLAIM**

The ornamental design for a tire tread, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a tire tread showing our new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is an isolated, enlarged perspective view thereof;
FIG. 5 is another isolated, enlarged perspective view thereof; and,
FIG. 6 is an isolated, enlarged front view thereof.
The dashed broken lines illustrate structure or features which form no part of the claimed design.
The dot-dash broken lines illustrate boundaries of the claimed design; the boundaries themselves form no part of the claimed design.
The figures include surface shading which represents contour, not surface ornamentation.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,681,822 B2 1/2004 Adams et al.
 D499,065 S 11/2004 Shapiro et al.
 D499,695 S * 12/2004 Tanabe D12/603
 6,845,796 B2 1/2005 Katoh et al.
 D507,522 S 7/2005 Becker et al.
 D536,298 S 2/2007 Becker et al.
 7,174,936 B2 2/2007 Becker et al.
 D548,681 S 8/2007 Becker et al.
 D602,426 S * 10/2009 Yoda D12/603
 D602,852 S 10/2009 Laskowitz et al.
 D615,920 S 5/2010 Kline et al.
 8,056,593 B2 11/2011 Palinkas et al.
 8,091,596 B2 1/2012 Louden
 8,104,524 B2 1/2012 Manesh et al.
 8,109,308 B2 2/2012 Manesh et al.
 8,176,957 B2 5/2012 Manesh et al.
 D678,831 S * 3/2013 Hermann D12/579
 8,555,941 B2 10/2013 Perron et al.
 2007/0029020 A1 2/2007 Wietharn et al.
 2007/0119531 A1 5/2007 Steinke et al.
 2009/0120548 A1 5/2009 Norbits
 2009/0211674 A1 8/2009 Hanada et al.
 2009/0211678 A1 8/2009 Palinkas et al.
 2009/0211681 A1 8/2009 Palinkas et al.
 2010/0132858 A1 6/2010 Arakawa et al.
 2011/0024008 A1 2/2011 Manesh et al.
 2011/0079335 A1 4/2011 Manesh et al.
 2012/0060991 A1 3/2012 Mun et al.
 2012/0234444 A1 9/2012 Palinkas et al.
 2012/0241062 A1 9/2012 Manesh et al.
 2012/0247635 A1 10/2012 Manesh et al.
 2013/0240272 A1 9/2013 Gass et al.
 2013/0287882 A1 10/2013 Wilson
 2014/0000777 A1 1/2014 Choi et al.
 2014/0034219 A1 2/2014 Chadwick et al.
 2014/0062168 A1 3/2014 Martin et al.
 2014/0062169 A1 3/2014 Martin et al.
 2014/0062170 A1 3/2014 Martin et al.
 2014/0062171 A1 3/2014 Martin et al.
 2014/0062172 A1 3/2014 Martin et al.
 2014/0083581 A1 3/2014 Schaedler et al.
 2014/0110024 A1 4/2014 Anderfaas et al.
 2014/0159280 A1 6/2014 Martin et al.

2014/0238561 A1 8/2014 Choi et al.
 2014/0251518 A1 9/2014 Abe et al.
 2016/0016433 A1 * 1/2016 Amstutz B60C 7/14
 152/72

FOREIGN PATENT DOCUMENTS

JP D1446802 6/2012
 JP D1446806 6/2012
 JP D1446808 6/2012
 JP D1447054 6/2012
 JP D1447056 6/2012
 JP D1447059 6/2012

OTHER PUBLICATIONS

Bridgestone, "Bridgestone Announces Development of Non-Pneumatic (Airless) Concept Tire," <<http://www.bridgestone.com/corporate/news/201112901.html>>, Nov. 29, 2011.
 Toxel, "Innovative Airless Tires by Michelin," <<http://www.toxel.com/tech/2009/07/05/innovative-airless-tires-by-michelin/>>, Jul. 5, 2009.
 CORE77, "Innovation Gets Tired, Part 1: The Non-Pneumatic Tire," <http://www.core77.com/blog/transportation/innovation_gets_tired_part_1_the_non-pneumatic_tire_21410.asp>, Dec. 27, 2011.
 Resilienttech, "Non-Pneumatic Tire (NPT)," <<http://www.resilienttech.com/products/non-pneumatic-tire/>>, copyright 2011.
 Soldiersystems, "Solic—Polaris Defense Non-Pneumatic Tire," <<http://soldiersystems.net/2012/05/22/solic-polaris-defense-non-pneumatic-tire/>>, May 22, 2012.
 Caterpillar®, "Introducing the Cat® generation II Flexport™ tires available in 3 different tread options for SSL, wheel loader applications," Sep. 2011.
 Caterpillar®, "Cat® Flexport™ Tires For Skid Steer Loaders," copyright 2005.
 Caterpillar®, "Caterpillar Introduces Next Generation of Flexport™ Tires for Wheel Loaders," available Mar. 2010.
 U.S. Appl. No. 29/510,679 of Kevin Martin et al., titled "Urethane Tire," filed Dec. 2, 2014.
 U.S. Appl. No. 29/449,654 of Kevin L. Martin et al., titled "Non-Pneumatic Tire," filed Mar. 15, 2013.
 U.S. Appl. No. 29/449,765 of Kevin L. Martin et al., titled "Surface Pattern for a Tire," filed Mar. 15, 2013.

* cited by examiner

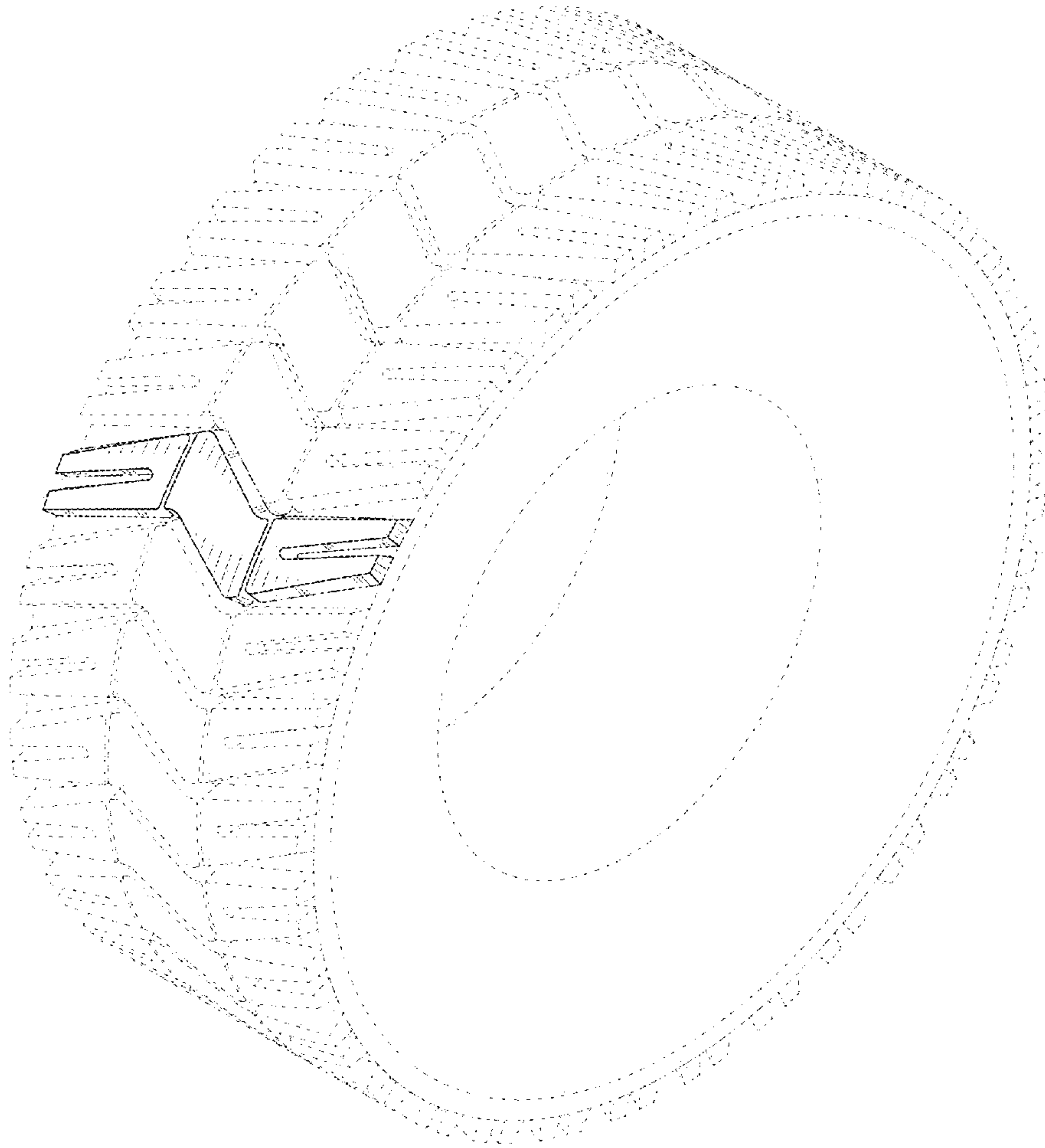


FIG. 1

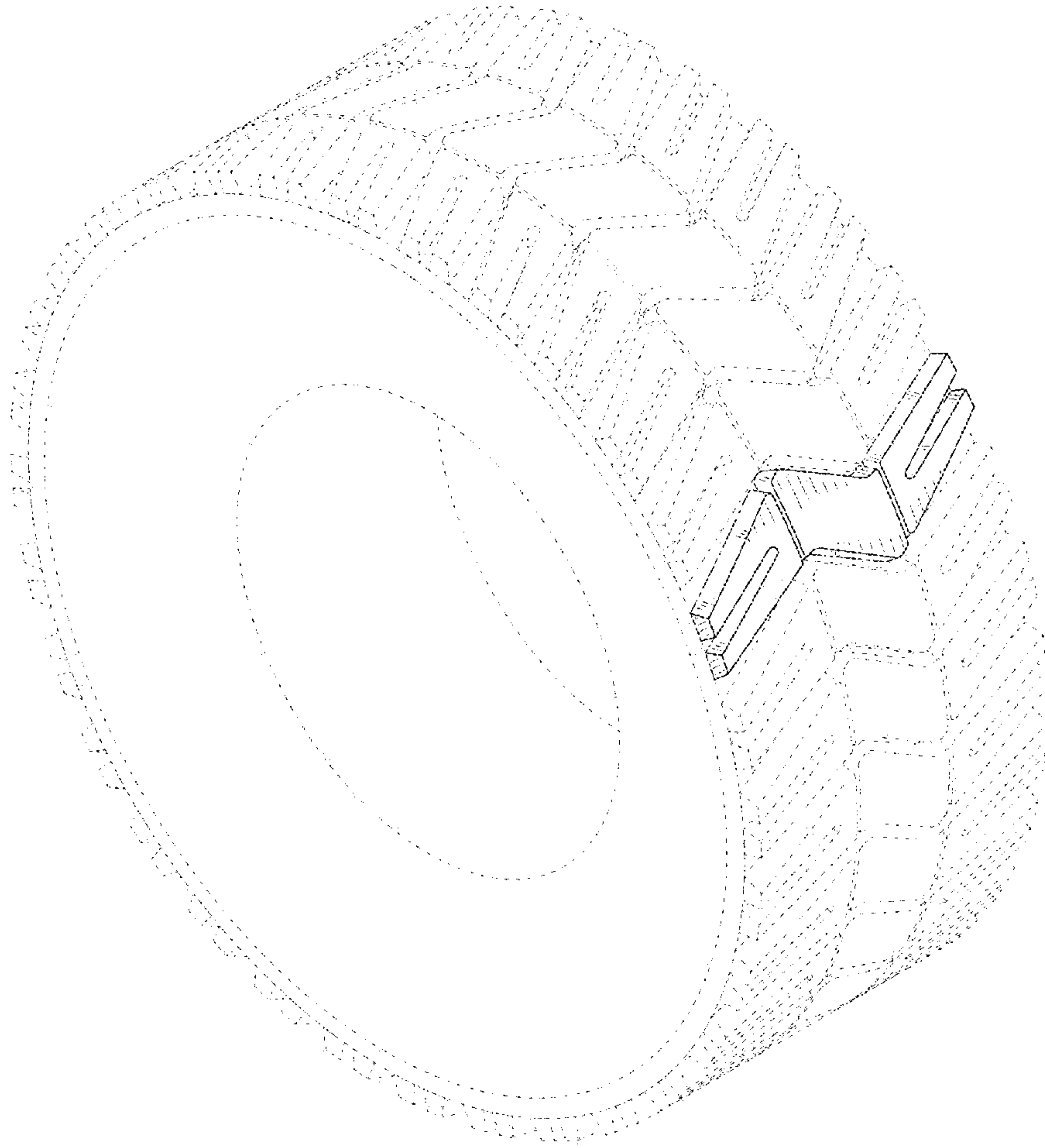


FIG. 2

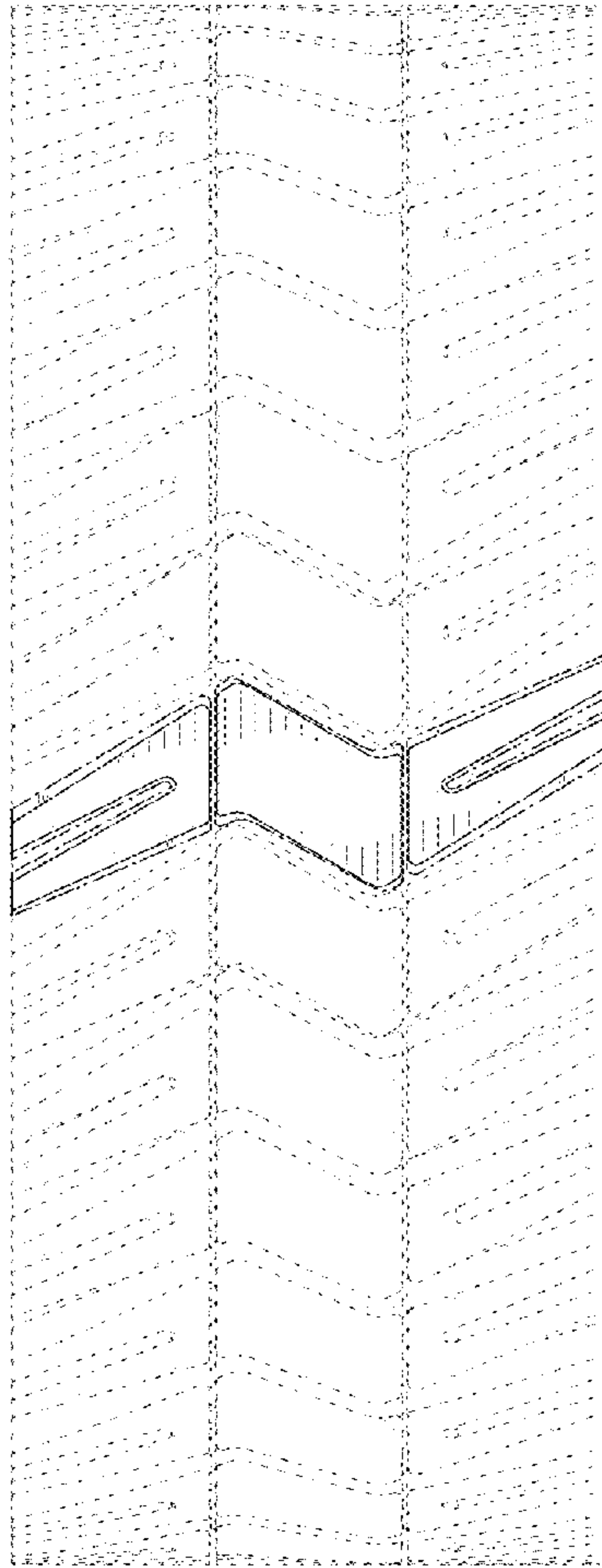


FIG. 3

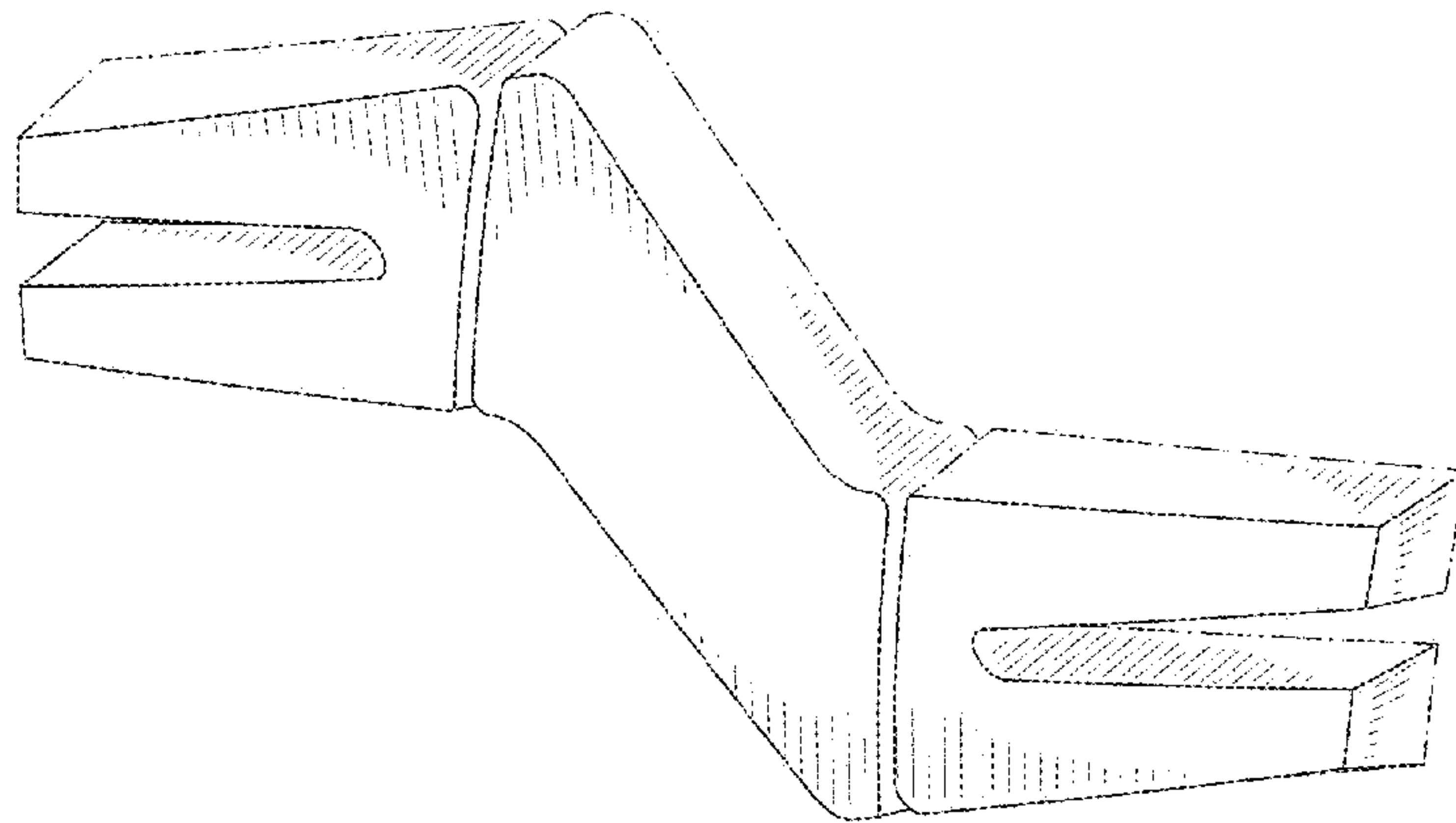


FIG. 4

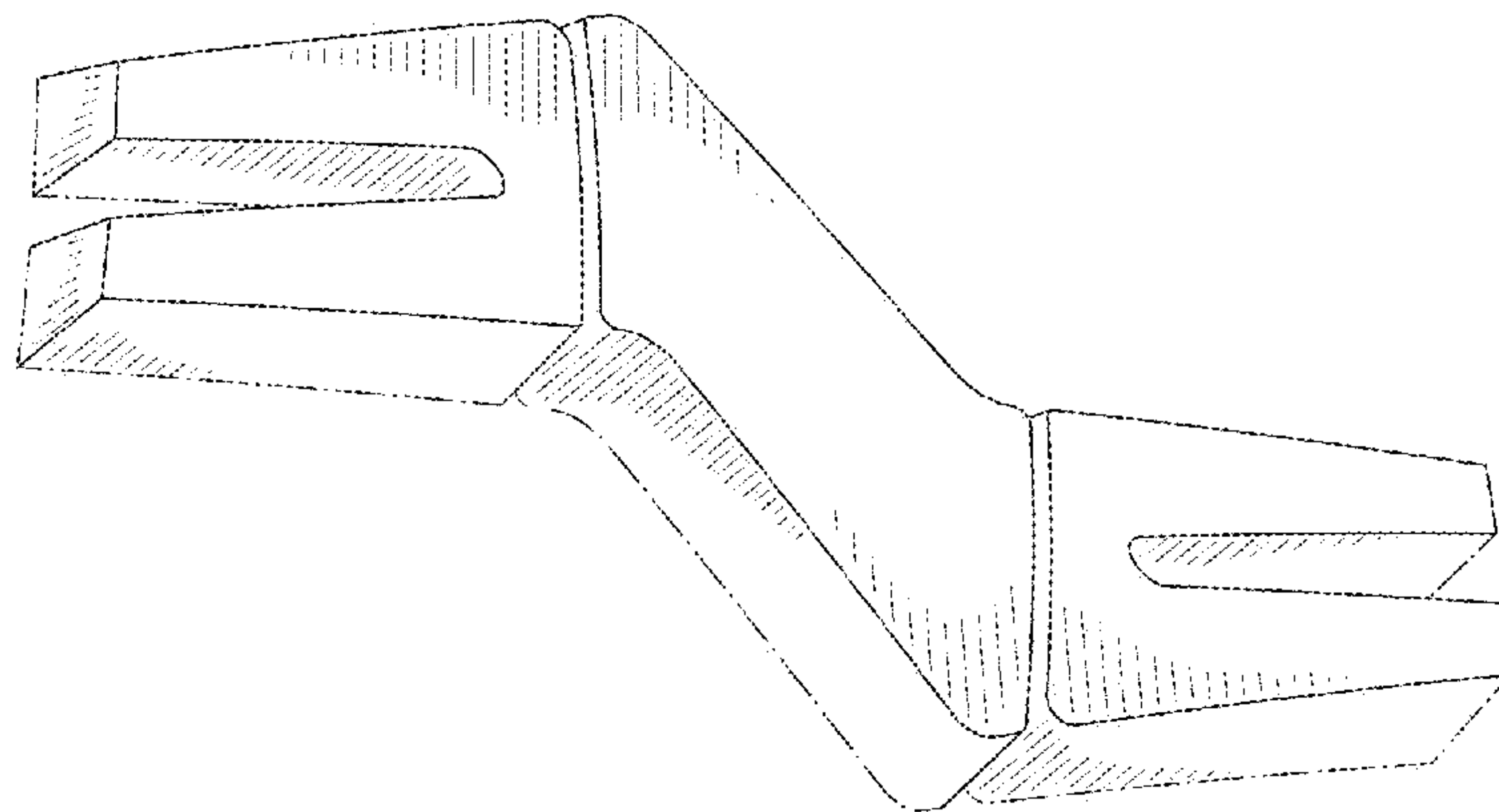


FIG. 5

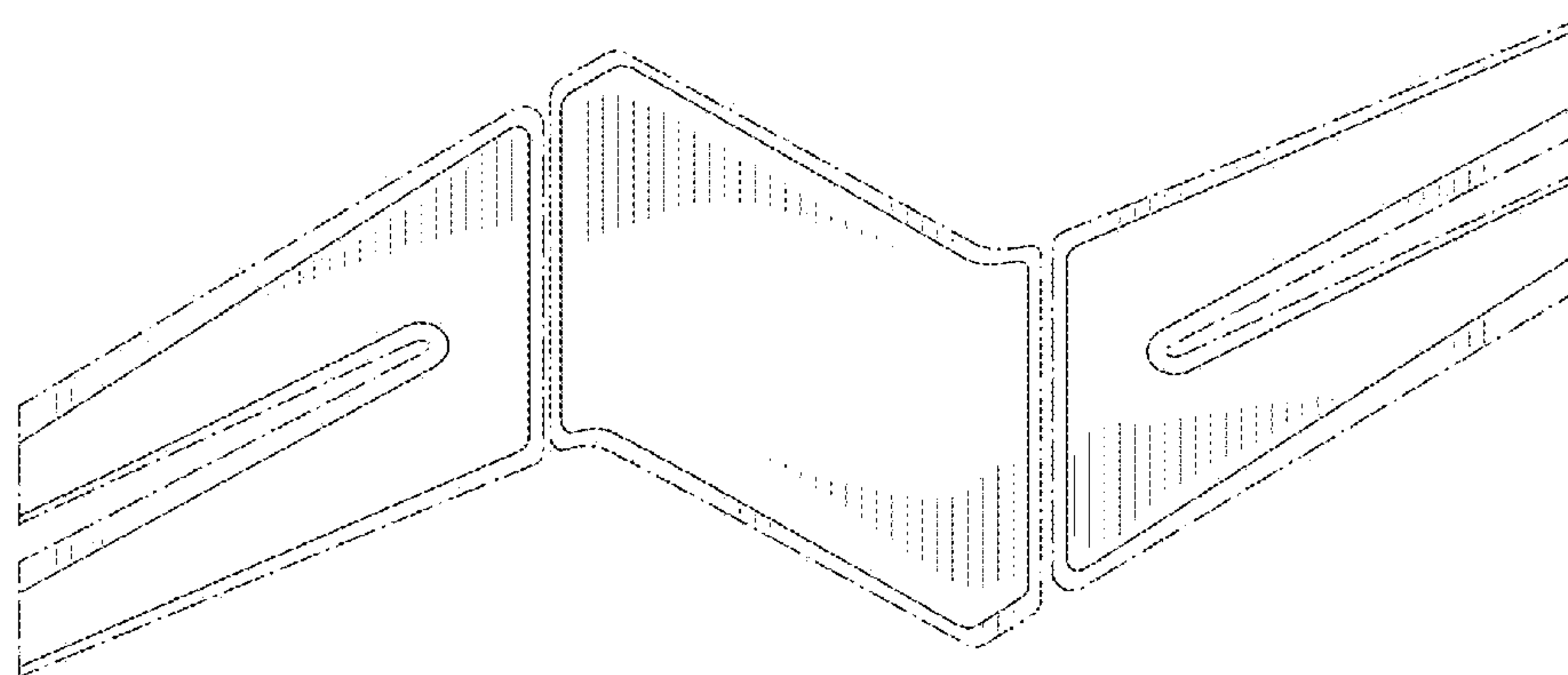


FIG. 6