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

(10) **Patent No.:** **US D974,562 S**
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(54) **ORTHOPEdic PLATE**

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(**) Term: **15 Years**

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(51) **LOC (14) Cl.** **24-03**

(52) **U.S. Cl.**
USPC **D24/155**

(58) **Field of Classification Search**
USPC **D24/155**

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D458,684 S * 6/2002 Bryant D24/155
D463,557 S * 9/2002 Bryant D24/155

(Continued)

OTHER PUBLICATIONS

Wright, Ortholoc® 3Di Ankle Fracture System, www.wrightmedia.com/ProductFiles/Files/PDFs/008919 EN LR LE.pdf, pp. 1-6.

(Continued)

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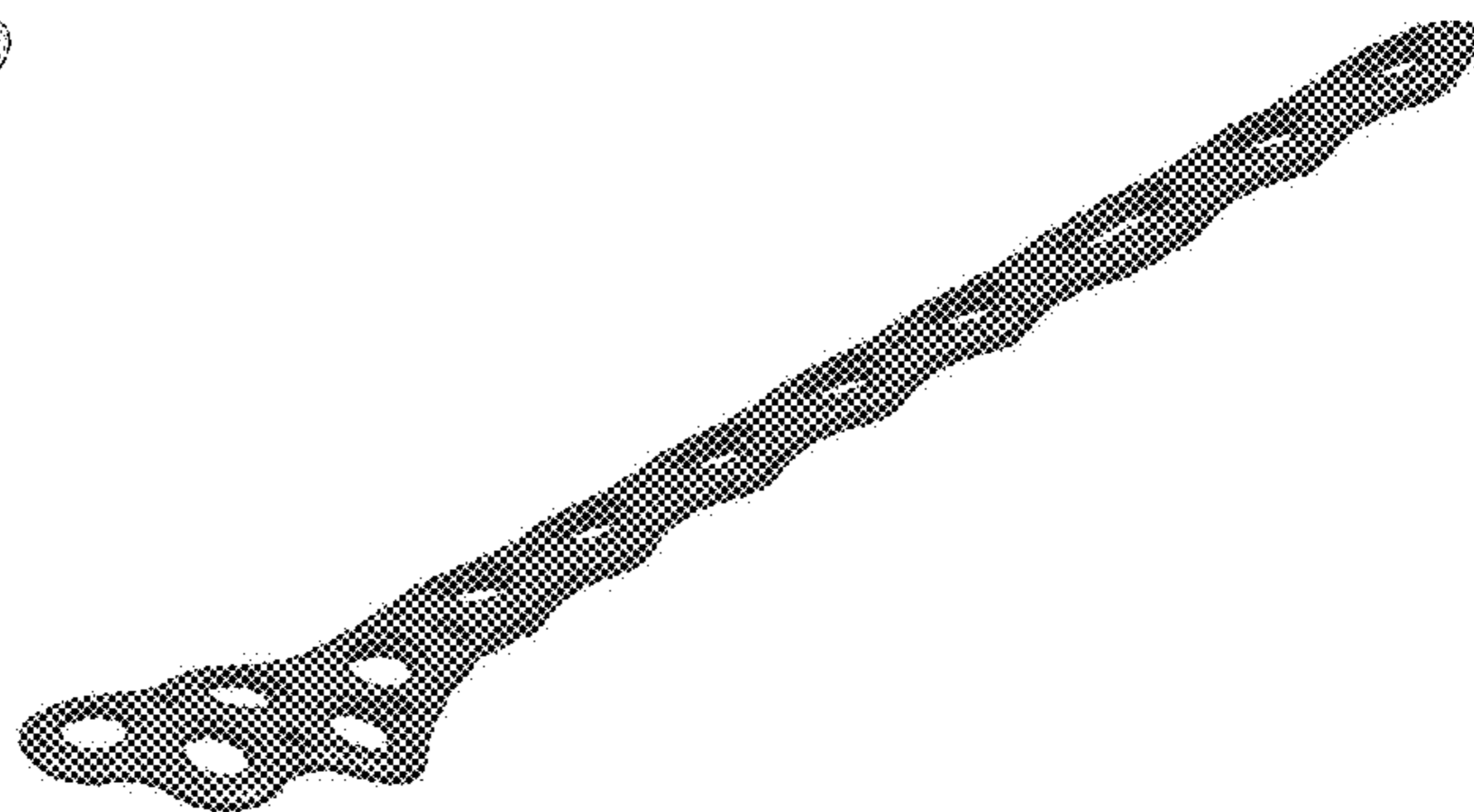
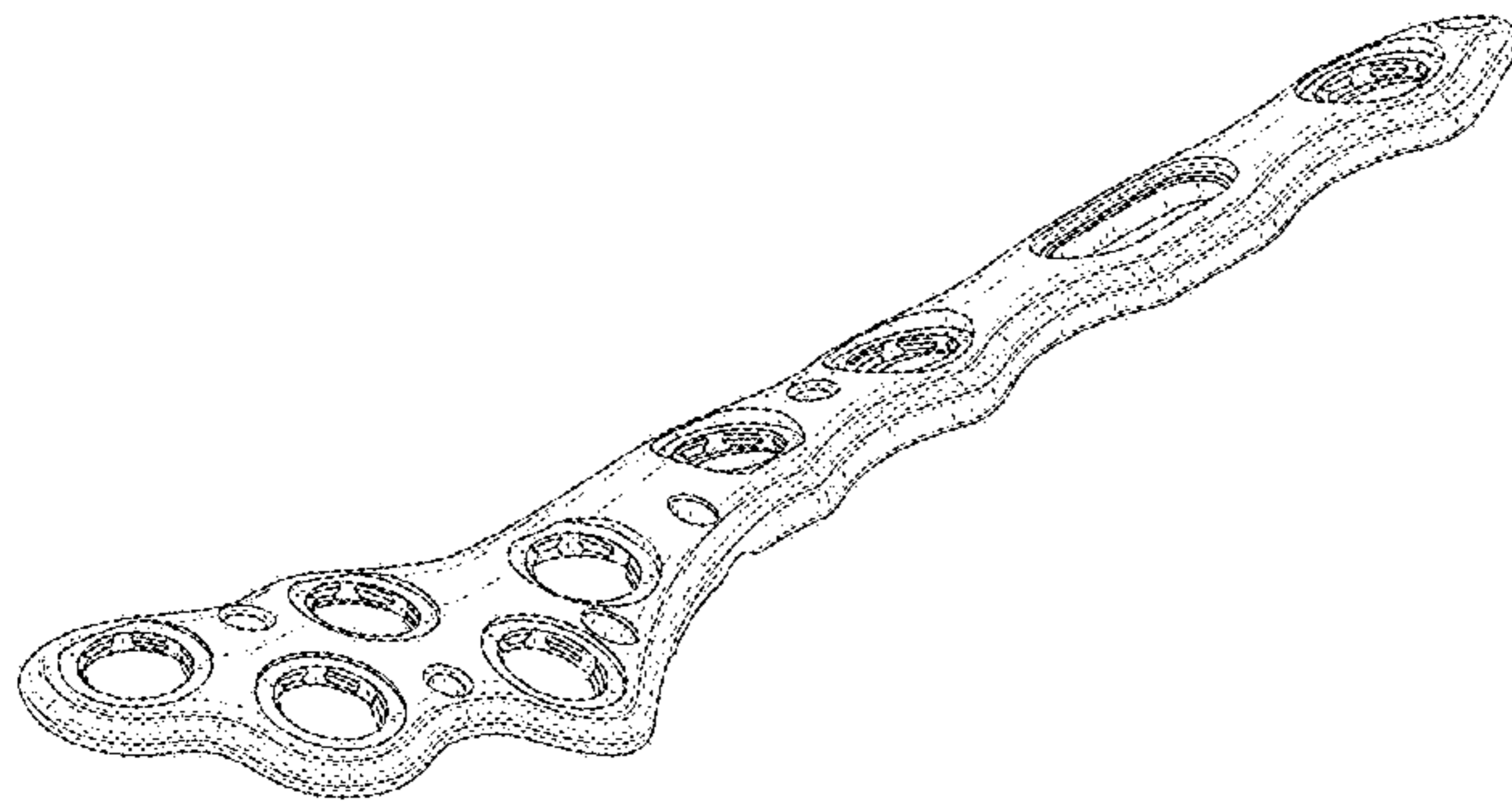
(57) **CLAIM**

The ornamental design for an “orthopedic plate”, as shown and described.

DESCRIPTION

FIG. 1 is a right top perspective view of a first embodiment of an orthopedic plate showing my new design; FIG. 2 is a right side view thereof; FIG. 3 is a left side view thereof; FIG. 4 is a back side view thereof; FIG. 5 is a front side view thereof; FIG. 6 is a top view thereof; FIG. 7 is a bottom view thereof; FIG. 8 is a right top perspective view of a second embodiment of an orthopedic plate showing my new design; FIG. 9 is a right side view thereof; FIG. 10 is a left side view thereof; FIG. 11 is a back side view thereof; FIG. 12 is a front side view thereof; FIG. 13 is a top view thereof; FIG. 14 is a bottom view thereof; FIG. 15 is a right top perspective view of a third embodiment of an orthopedic plate showing my new design; FIG. 16 is a right side view thereof; FIG. 17 is a left side view thereof; FIG. 18 is a back side view thereof; FIG. 19 is a front side view thereof; FIG. 20 is a top view thereof; and, FIG. 21 is a bottom view thereof.

1 Claim, 21 Drawing Sheets



(58) **Field of Classification Search**

CPC A61B 17/8061; A61B 17/7059; A61B 17/8052; A61B 17/8605; A61B 17/8085; A61B 17/809; A61B 17/8014; A61B 17/8033; A61B 17/8004; A61B 17/888; A61B 17/842; A61B 17/8023; A61B 17/8009; A61B 17/86; A61B 17/1739; A61B 17/8066; A61B 17/1671; A61B 17/1757; A61B 17/8071; A61B 17/176; A61B 2017/1782; A61B 2017/1775

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D463,558	S	*	9/2002	Bryant	.....	D24/155
D463,559	S	*	9/2002	Bryant	.....	D24/155
D464,136	S	*	10/2002	Bryant	.....	D24/155
D520,637	S	*	5/2006	Kay	.....	D24/155
D589,148	S	*	3/2009	Strnad	.....	D24/155
D589,149	S	*	3/2009	Strnad	.....	D24/155
D594,123	S	*	6/2009	Haidukewych	.....	D24/155
D622,853	S	*	8/2010	Raven, III	..... A61B 17/8061	D24/155
D646,785	S	*	10/2011	Milford	.....	D24/155
D648,027	S	*	11/2011	Vancelette	.....	D24/155
D665,082	S	*	8/2012	Milford	.....	D24/155
8,940,026	B2	*	1/2015	Hilse	..... A61B 17/8004	606/291
D724,734	S	*	3/2015	Baker	.....	D24/155
D740,943	S	*	10/2015	Neufeld	..... A61B 17/8061	D24/155
D765,844	S	*	9/2016	DaCosta	.....	D24/155
D766,439	S	*	9/2016	DaCosta	.....	D24/155
D767,135	S	*	9/2016	Paik	.....	D24/155
D767,136	S	*	9/2016	Paik	.....	D24/155
D780,922	S	*	3/2017	Dacosta	.....	D24/155
D780,925	S	*	3/2017	DaCosta	.....	D24/155
D780,926	S	*	3/2017	DaCosta	.....	D24/155
D790,703	S	*	6/2017	Wainscott	.....	D24/155
D852,957	S	*	7/2019	Horan	..... A61B 17/8061	D24/155
D869,657	S	*	12/2019	Hollis	.....	D24/155
D870,285	S	*	12/2019	Hansson	.....	D24/155
D874,650	S	*	2/2020	Horan	.....	D24/155
D891,619	S	*	7/2020	Hollis	.....	D24/155

D932,012	S	*	9/2021	DaCosta	.....	D24/155
2008/0051786	A1	*	2/2008	Jensen	..... A61B 17/8057	606/86 A
2009/0210010	A1	*	8/2009	Strnad	..... A61B 17/8014	606/280

OTHER PUBLICATIONS

Paragon28, Ankle Fracture Plating System, <https://www.paragon28.com/products/ankle-fracture-plating-system/>, 2020, pp. 1-7.
 Carbofix Orthopedics Ltd., CarboFix, Piccolo Distal Fibula Plate, <https://www.carbo-fix.com/distal-fibula-plate>, 2011-2019, pp. 1.
 Acumed LLC, Ankle Plating System 3, <https://www.acumed.net/products/foot-ankle-plating-system-3/>, 2017, pp. 1-16.
 Osteomed, ExtremiLOCK Ankle Plating System, http://www.osteomed.com/SBO_Lower/ExtremiLock-Ankle-Plating-System.aspx, pp. 1-2.
 Stryker, VariAx Distal Fibula Locking Plate System, http://az621074.vo.msecnd.net/syk-mobile-content-cdn/global-content-system/SYKGCSDOC-2-42355/7kyp8cl6hzF6K_7CtrME180tg8TQ9Q/VAX_ST_33.pdf, Nov. 2017, pp. 1-20.
 Smith & Nephew, Peri-Loc VLP, https://www.smith-nephew.com/global/assets/pdf/products/surgical/71181724_distal_tibia_fibula.pdf, Sep. 2012, pp. 1-4.
 In2bones, CoLink® Afx Ankle Fracture Plating System, <https://i2b-usa.com/colink-afx/>, 2020, pp. 1-7.
 Depuysynthes, Compact Ankle Fracture System Surgical Technique, http://synthes.vo.llnwd.net/o16/LLNWMB8/US%20Mobile/Synthes%20North%20America/Product%20Support%20Materials/Technique%20Guides/DSUSTRM10161122_Select%20Ankle%20Frac_TG.pdf, pp. 1-41.
 Exactech/Epic, Epic Extremity Foot and Ankle Reconstruction System, <https://www.exac.com/foot-and-ankle-epic-extremity/>, pp. 1-17.
 Medline Industries, Inc., Medline Foot & Ankle, Ankle Fracture Plating System—Unite Foot and Ankle, <https://medlineunite.com/products/implant-systems/ankle-fracture-plating-system/>, 2019, pp. 1-5.
 Zimmer Biomet, A.L.P.S. Fibula Plating System, <https://www.zimmerbiomet.com/medical-professionals/foot-and-ankle-product/alps-fibula-plating-system.html>, pp. 1-4.
 Arthrex, Ankle Fracture Management System, <https://www.arthrex.com/foot-ankle/ankle-fracture-plates>, pp. 1-4.

* cited by examiner

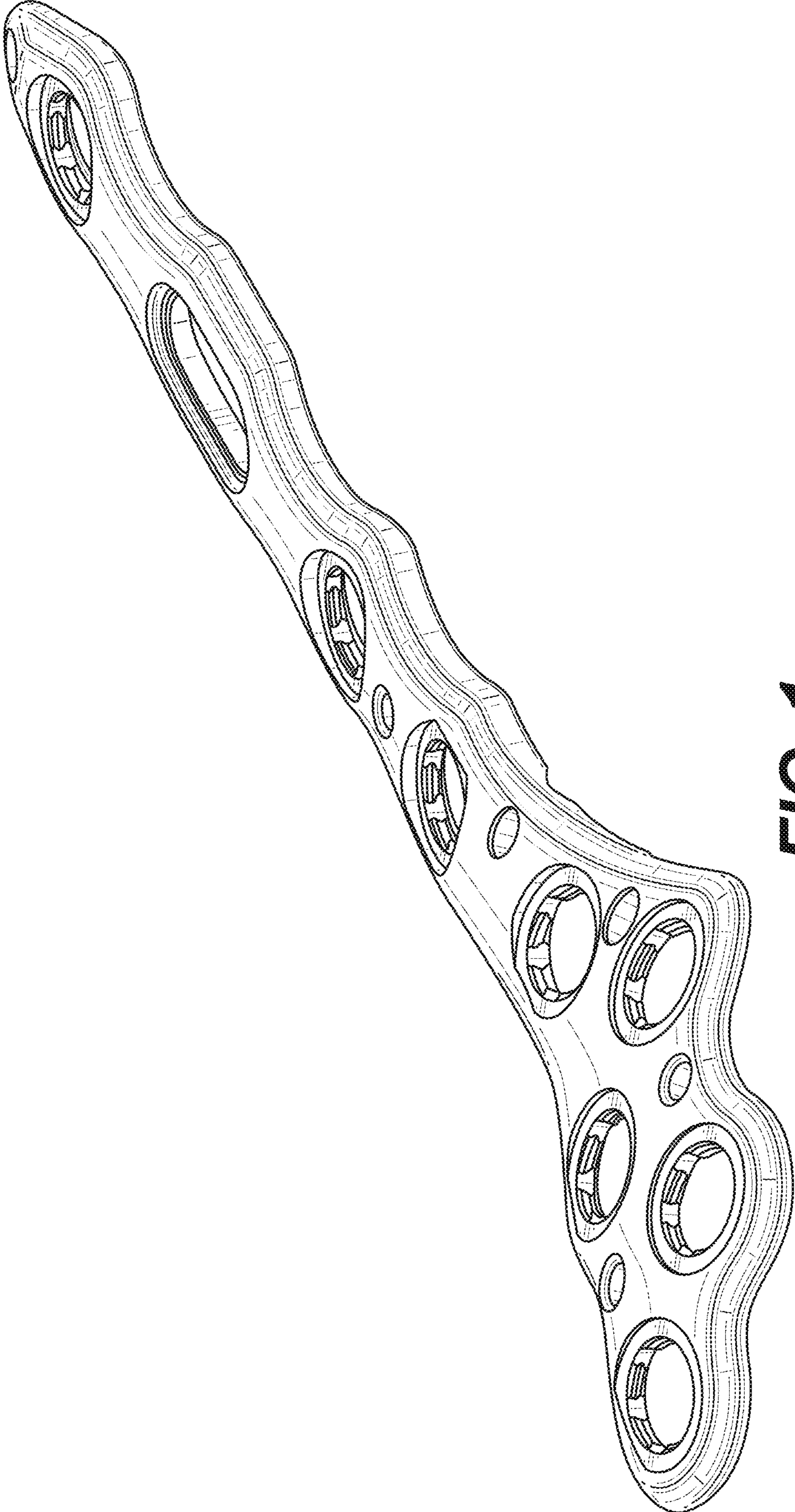


FIG. 1

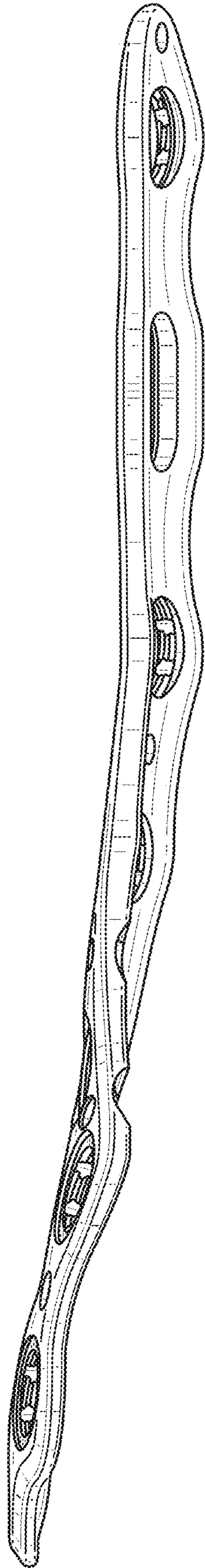


FIG. 2

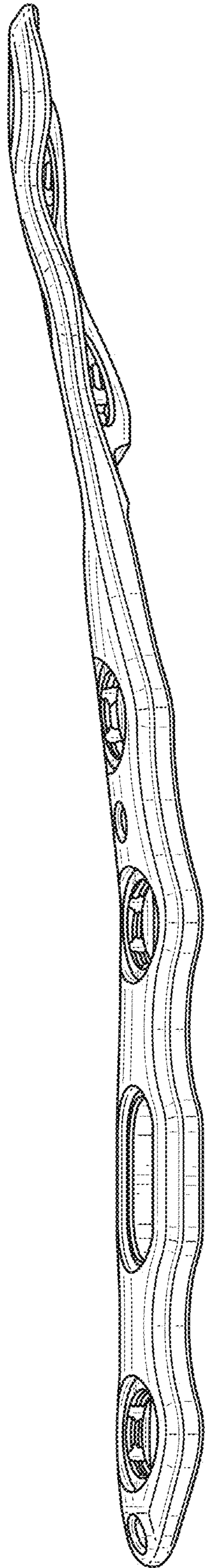


FIG. 3

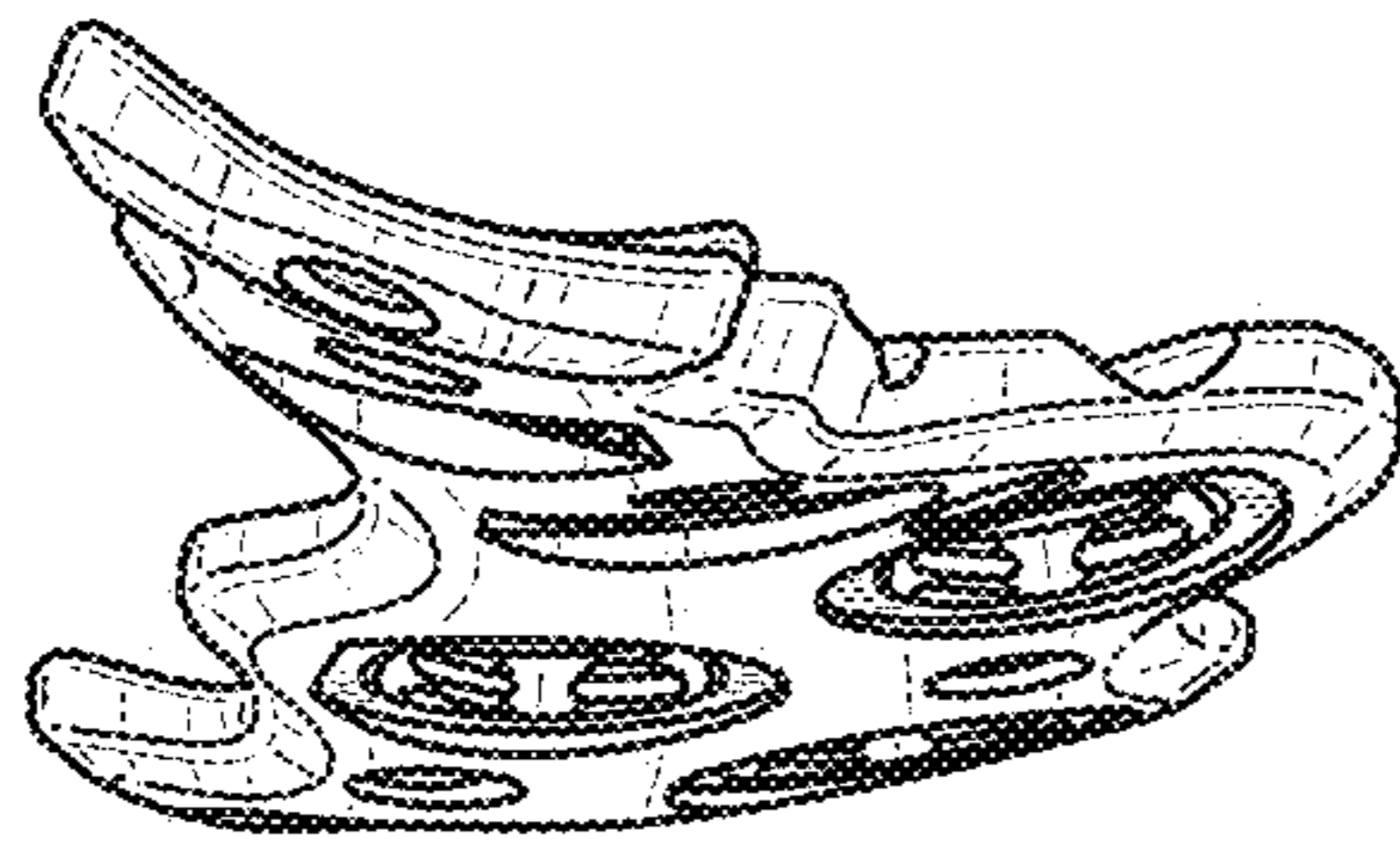


FIG. 4

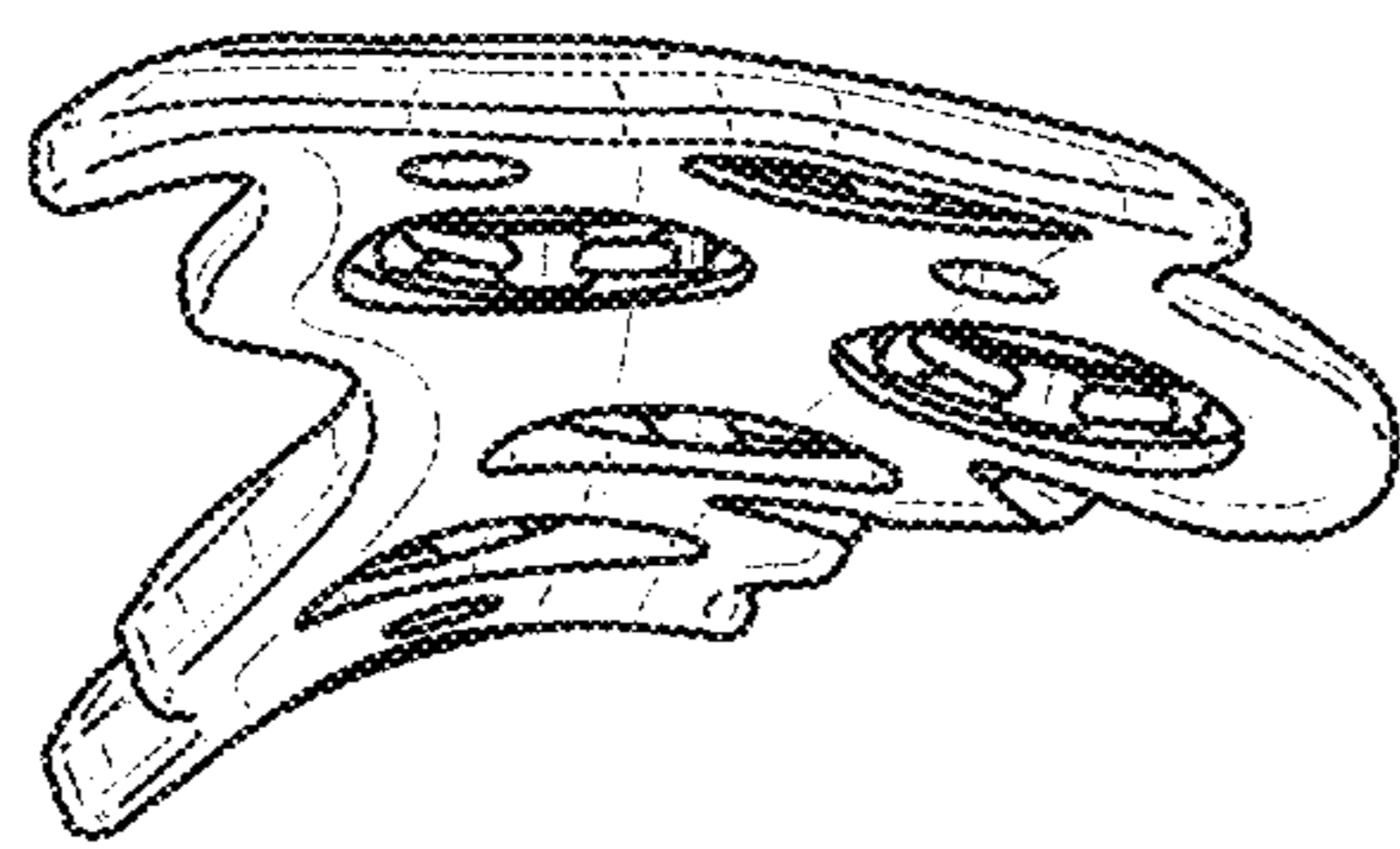


FIG. 5

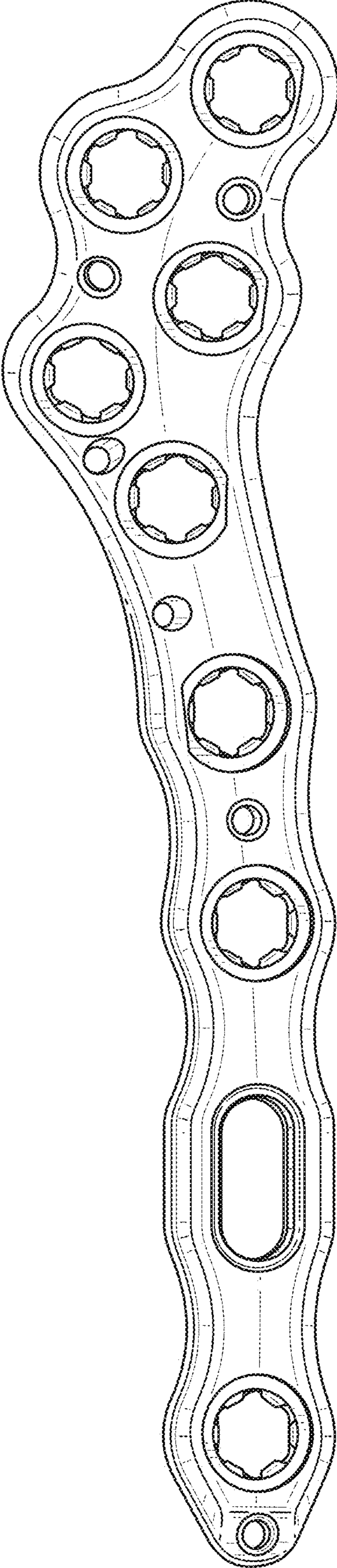


FIG. 6

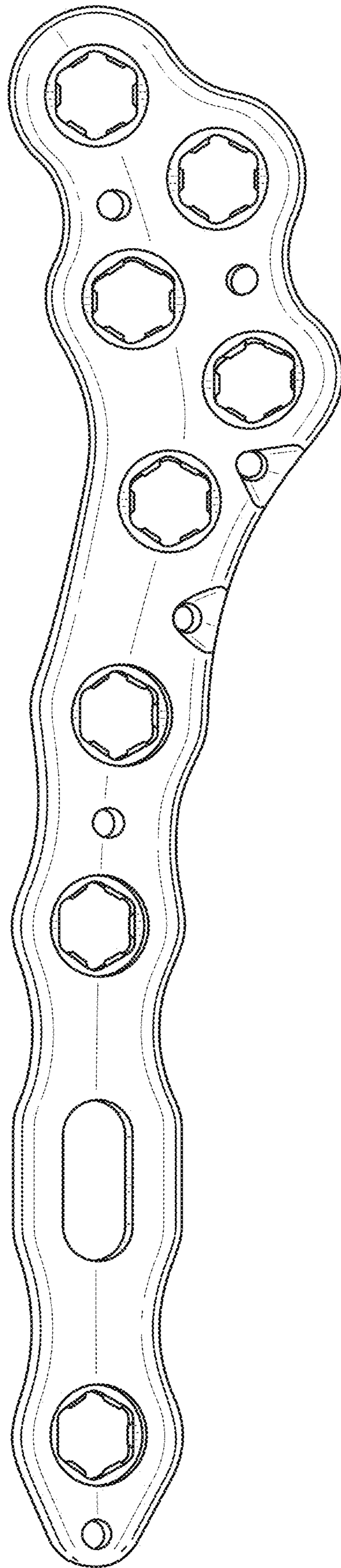


FIG. 7



FIG. 8

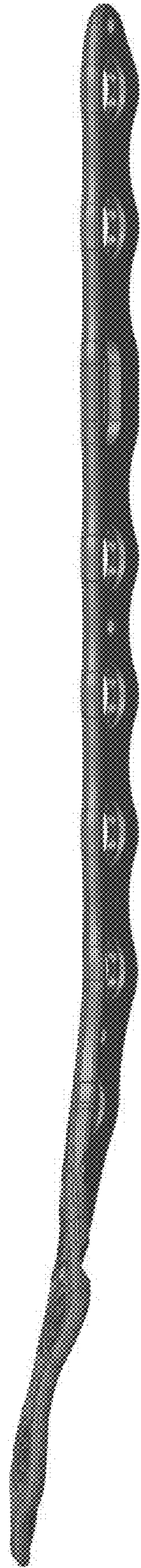


FIG. 9

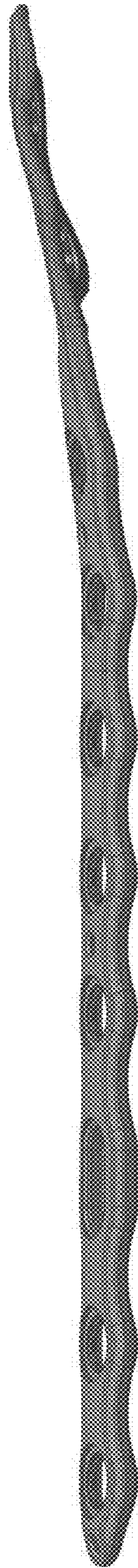


FIG. 10



FIG. 11



FIG. 12

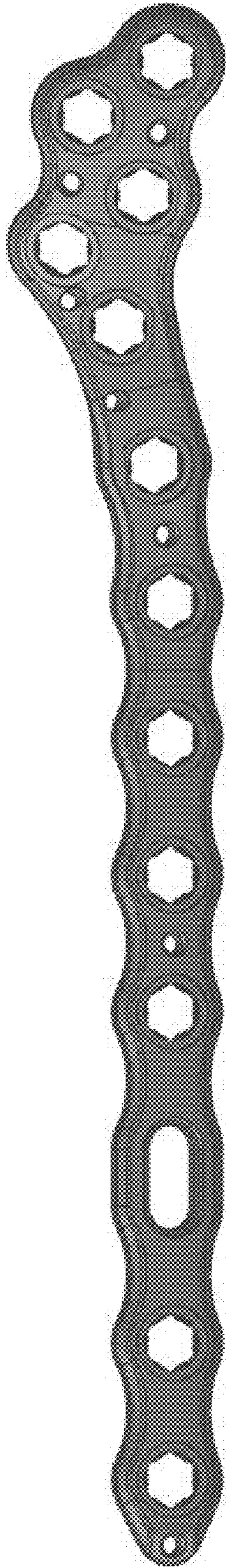


FIG. 13

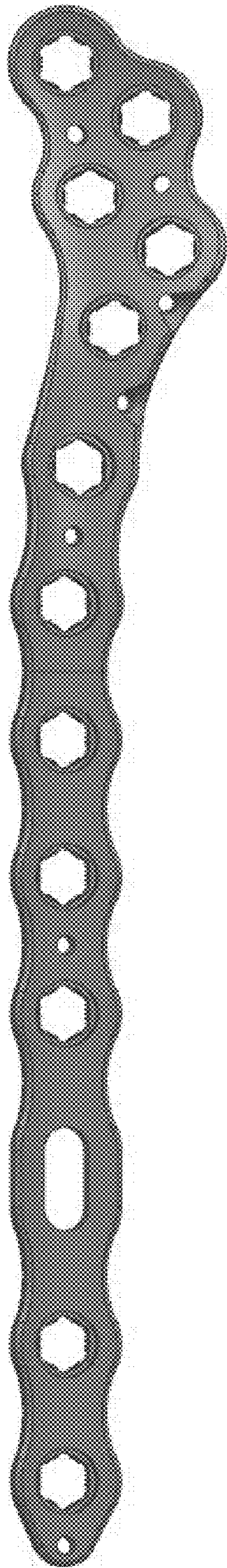


FIG. 14



FIG. 15

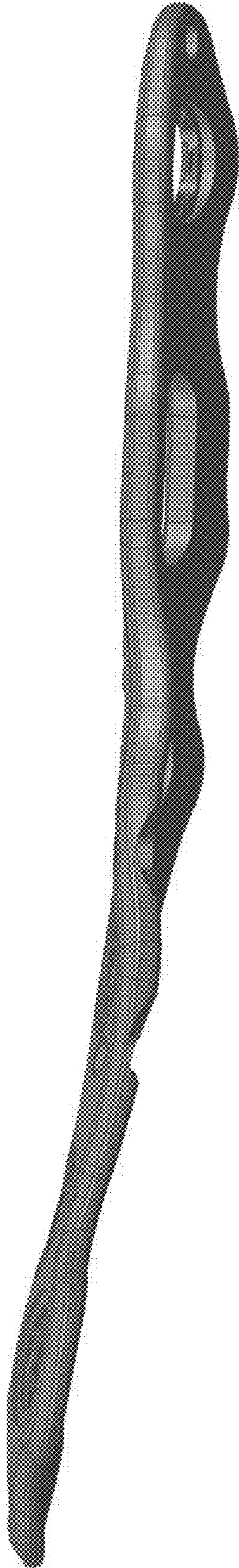


FIG. 16

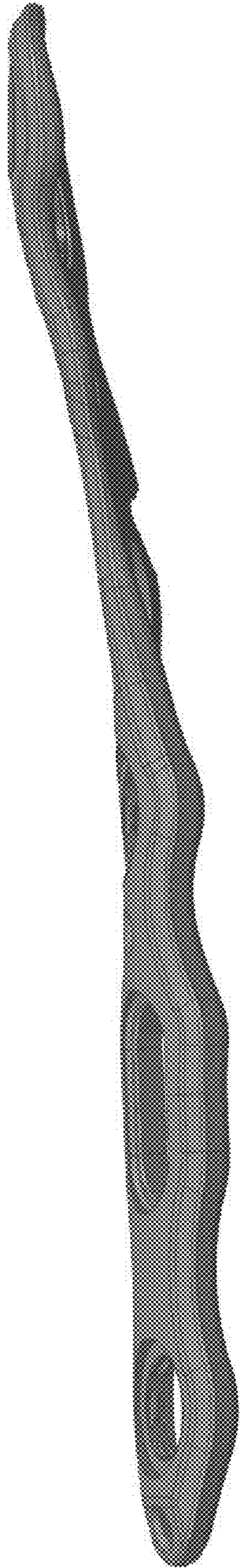


FIG. 17

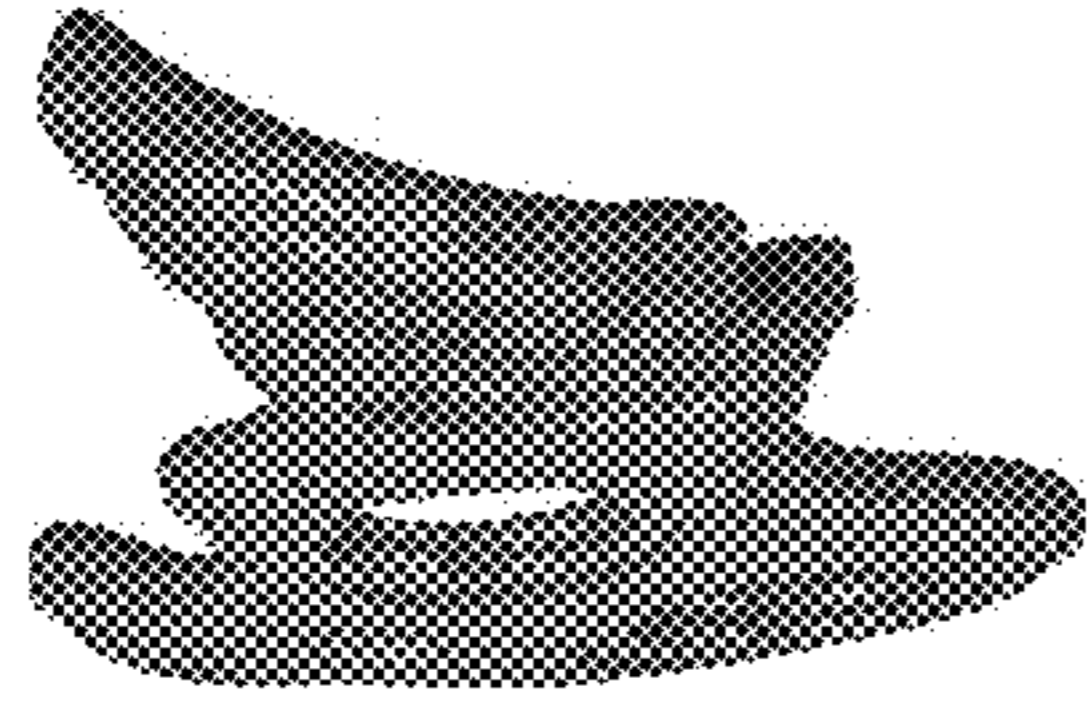


FIG. 18

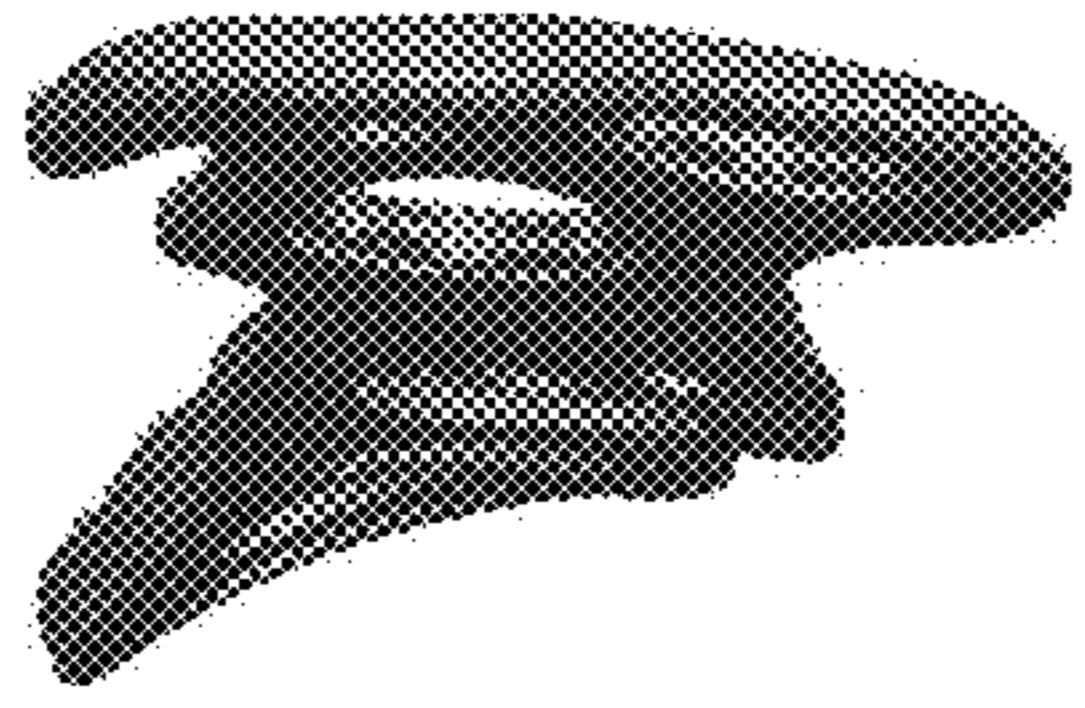


FIG. 19

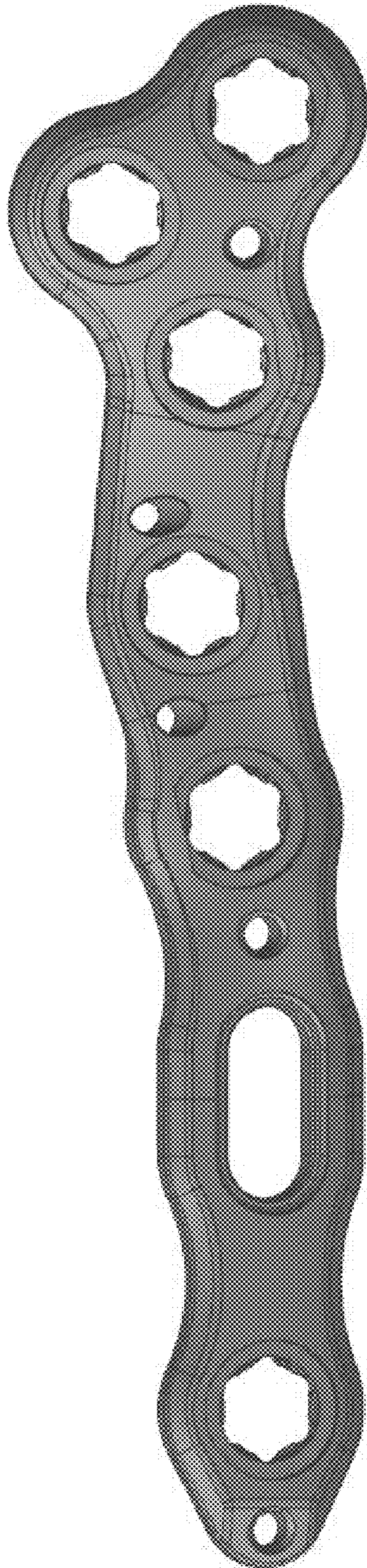


FIG. 20



FIG. 21