



US00D941648S

(12)

United States Design Patent

Haight et al.

(10) Patent No.:

US D941,648 S

(45) Date of Patent:

** Jan. 25, 2022

(54) BLADE HUB

(71) Applicant: Zimmer, Inc., Warsaw, IN (US)

(72) Inventors: Michael D. Haight, Sacramento, CA (US); Jonathon Oakleaf, Carmichael, CA (US)

(73) Assignee: Zimmer, Inc., Warsaw, IN (US)

(**) Term: 15 Years

(21) Appl. No.: 29/717,833

(22) Filed: Dec. 19, 2019

(51) LOC (13) Cl. 08-03

(52) U.S. Cl. D8/20

(58) Field of Classification Search

USPC D8/20, 98-104, 70, 16, 19; D7/693; D15/139; D32/46, 49

CPC .. B23D 61/121; B23D 61/123; B23D 61/126; B23D 61/128; B23D 49/14; B26B 1/02

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

339,606	A *	4/1886	Wells	B27L 11/005
				144/241
825,063	A *	7/1906	Lawbaugh	B44D 3/162
				7/105
832,455	A *	10/1906	Christensen	B44D 3/162
				7/105
2,559,993	A *	7/1951	Parrigin	B27G 17/00
				30/161
2,644,267	A *	7/1953	Helgeson	A01K 97/18
				43/53.5
D178,437	S *	7/1956	Walborn	D8/102
D201,710	S *	7/1965	Monek	D8/19
3,229,316	A *	1/1966	Matheson	A47L 1/16
				15/105

3,566,424	A *	3/1971	Burbig	A47J 43/288
				7/113
D221,348	S *	8/1971	Myer	D7/686
4,536,910	A *	8/1985	Clark	B44D 3/105
				15/236.01
D348,194	S *	6/1994	Tanis	D8/70
D356,259	S *	3/1995	Hoyt	D8/14
D367,591	S *	3/1996	Ancona	D7/692
5,850,657	A *	12/1998	List	A47L 13/08
				15/105
5,894,624	A *	4/1999	Fulenwider	A46B 15/0055
				15/111
D427,376	S *	6/2000	Scott	D28/44.1
D503,874	S *	4/2005	Lu	D7/692
7,028,584	B1 *	4/2006	Gracy	E04D 15/003
				30/169
D630,909	S *	1/2011	Freese	D7/683
D686,048	S *	7/2013	Lock	D8/20
D697,384	S *	1/2014	Wackwitz	D8/70

(Continued)

Primary Examiner — Elizabeth A. Albert

(74) Attorney, Agent, or Firm — Schwegman Lundberg & Woessner, P.A.

(57)

CLAIM

The ornamental design for a blade hub, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a blade hub showing our new design;

FIG. 2 is a top view of the blade hub of FIG. 1;

FIG. 3 is a bottom view of the blade hub of FIG. 1;

FIG. 4 is a left side view of the blade hub of FIG. 1;

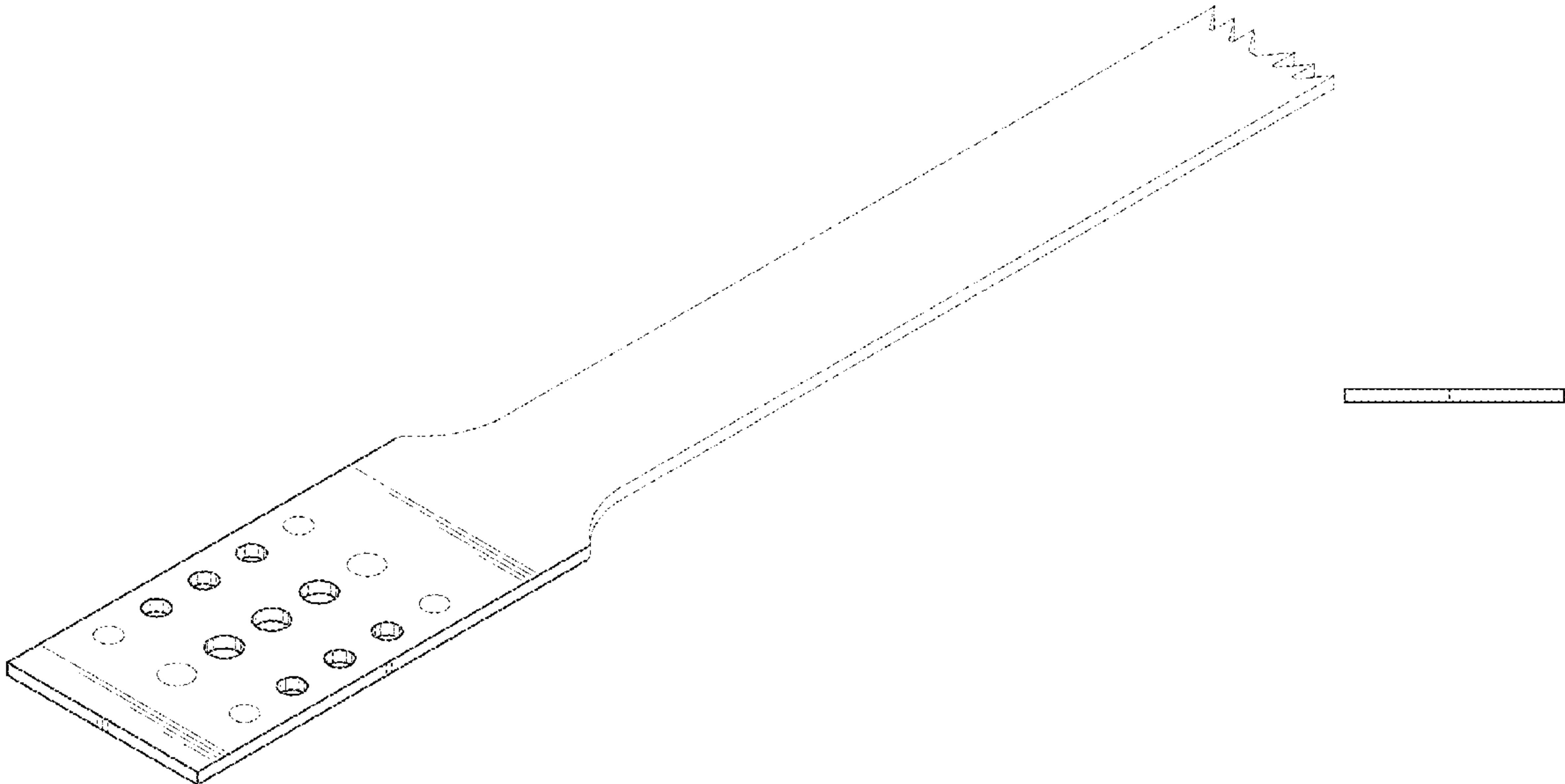
FIG. 5 is a right side view of the blade hub of FIG. 1;

FIG. 6 is a front view of the blade hub of FIG. 1; and,

FIG. 7 is a rear view of the blade hub of FIG. 1.

The broken line disclosure in the drawings is included to show a portion of the blade hub that forms no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D698,213	S	*	1/2014	Coursey	D7/693
D702,517	S	*	4/2014	Wilson	D8/19
D729,020	S	*	5/2015	Audette, Jr.	D7/696
D764,245	S	*	8/2016	Amarant	D8/20
D809,356	S	*	2/2018	Butscher	D8/20
D832,432	S	*	10/2018	Chappuis	D24/135
D867,094	S	*	11/2019	Rowley	D8/88
D874,774	S	*	2/2020	Thompson	D32/46
2011/0010868	A1	*	1/2011	Palladino	B26B 9/00
					7/158

* cited by examiner

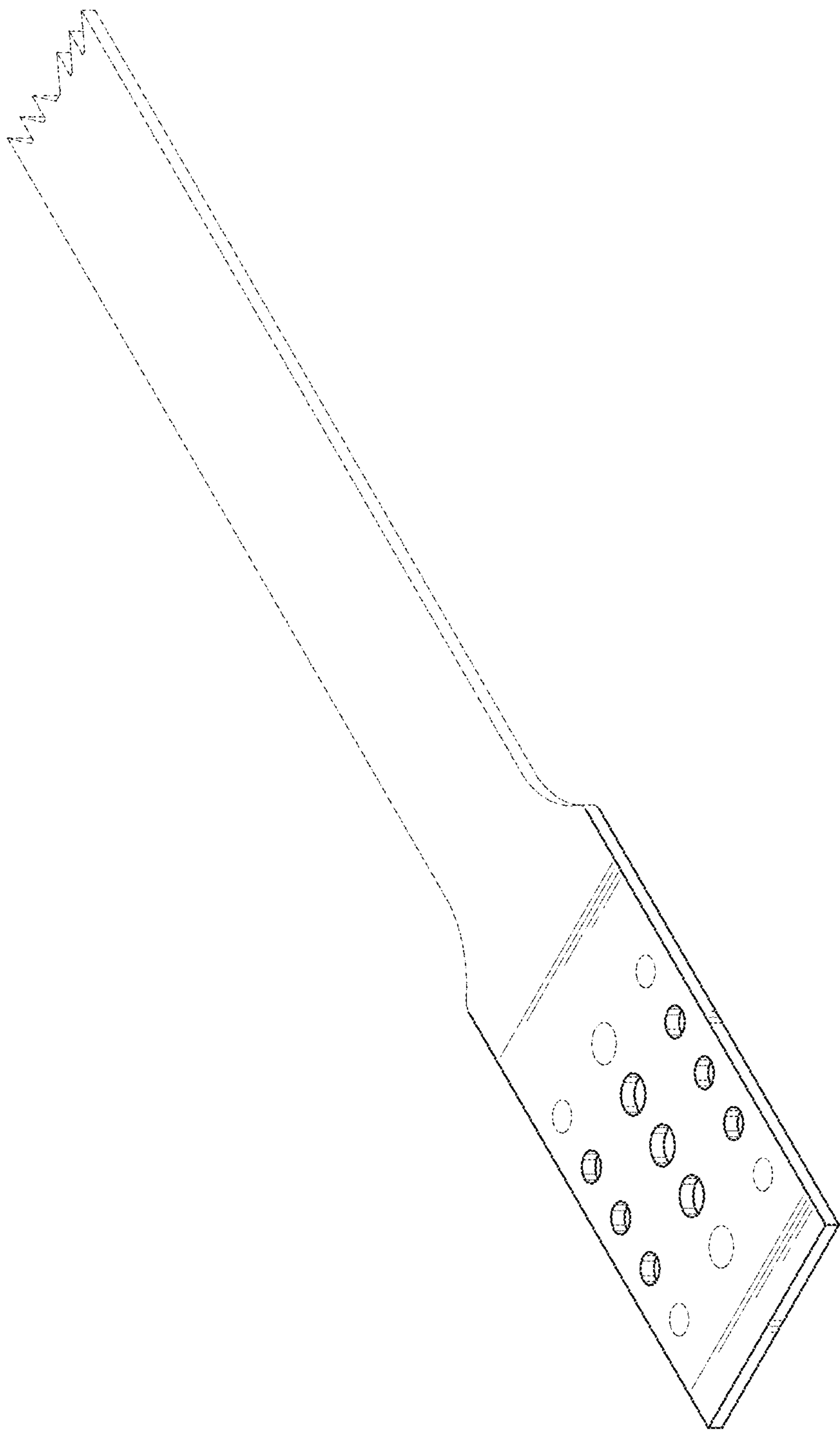


FIG. 1

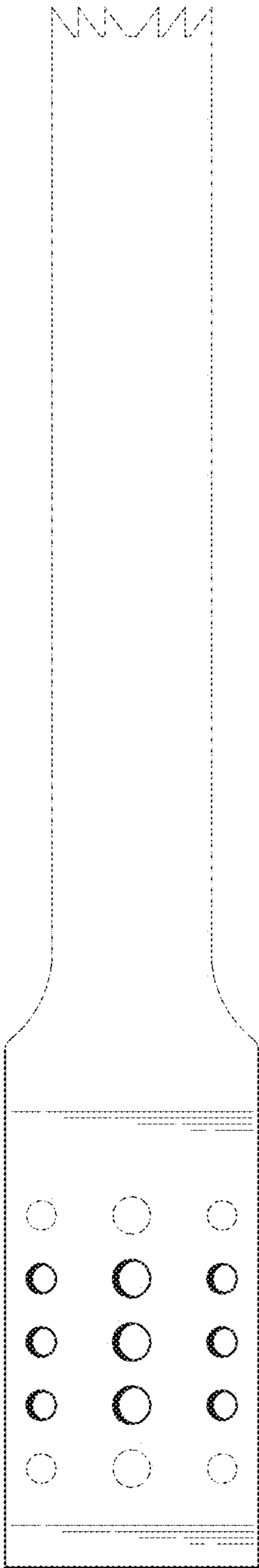


FIG. 2

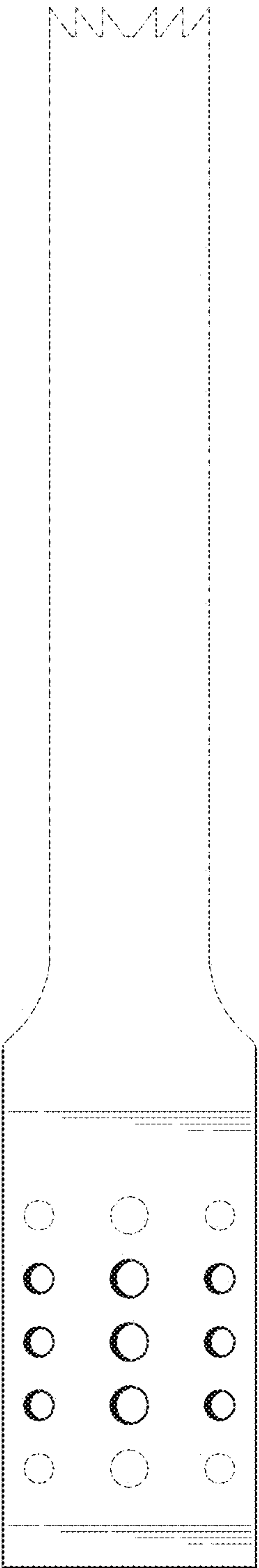


FIG. 3

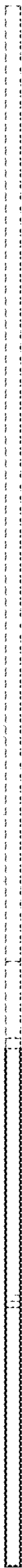


FIG. 4

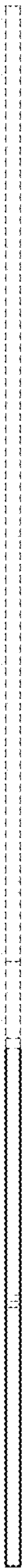


FIG. 5



FIG. 6

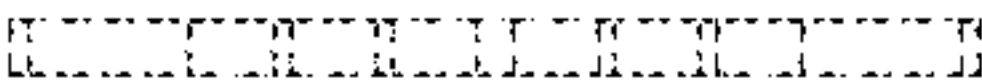


FIG. 7