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

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- (54) **ALIF RETRACTOR ASSEMBLY**
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D320,658 S *	10/1991	Quigley	D24/135
D324,424 S *	3/1992	Michelson	D24/147
D346,022 S *	4/1994	Quigley	D24/135
D363,009 S *	10/1995	Culp	D8/14
5,743,853 A *	4/1998	Lauderdale	A61B 17/02 600/210
D401,486 S *	11/1998	Becker	D8/19
D500,135 S *	12/2004	Ripich	D24/133
D510,768 S *	10/2005	Farley	D24/135
D689,608 S *	9/2013	Kerstein	D24/143
D728,110 S *	4/2015	Corbett, III	D24/105
9,770,236 B2 *	9/2017	Stauber	A61B 17/025

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

(21) Appl. No.: **29/602,894**

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(51) **LOC (11) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/135**; D8/16; D24/147

(58) **Field of Classification Search**
USPC D24/133, 152, 150, 176, 128, 137, 140,
D24/141, 162, 184, 135, 143, 146, 147;
433/140, 141; 600/210, 217, 235, 237,
600/201, 214, 240; D19/108, 109;
D8/19, 16-18, 89-90; D7/696, 678
CPC .. A61B 17/02; A61B 17/0206; A61B 17/0218
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D26,282 S *	11/1896	Sitterly	D7/696
1,002,468 A *	9/1911	Strangman	132/76.4
1,266,672 A *	5/1918	Forster	B26B 3/00 30/165
D151,973 S *	12/1948	Frettoloso	D8/18
4,164,285 A *	8/1979	Dorman	G01K 1/083 206/306
D252,787 S *	9/1979	Jefferson	D7/696
D261,723 S *	11/1981	Haller	D32/54
4,610,243 A *	9/1986	Ray	A61B 17/02 600/206
D307,376 S *	4/1990	Kawasaki	D7/652

OTHER PUBLICATIONS

Update International Wood handle Serrator, earliest review Jun. 15, 2010, online, [site visited May 24, 2018]. Retrieved from url:https://www.amazon.com/Update-International-handle-Serrator-Stainless/dp/B000K71H DU (Year: 2010).*

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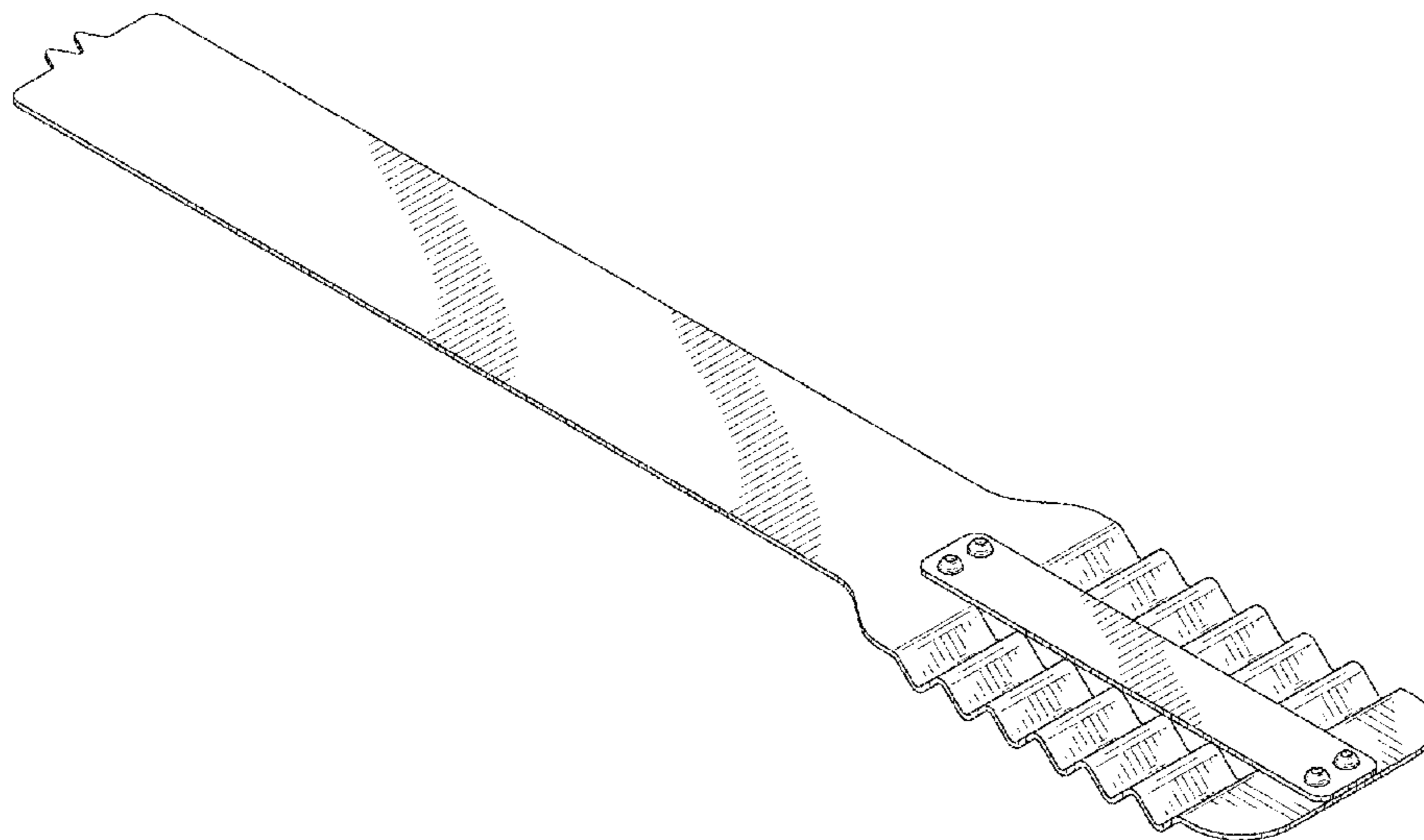
(57) **CLAIM**

The ornamental design for an ALIF retractor assembly, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the ALIF retractor assembly of the instant invention;
FIG. 2 is a left side view thereof
FIG. 3 is a right side view thereof;
FIG. 4 is an end view thereof;
FIG. 5 is an opposite end view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof; and,
FIG. 8 is an exploded view of the ALIF retractor assembly.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D808,379 S * 1/2018 Simmons D14/253
2002/0013514 A1* 1/2002 Brau A61B 17/02
600/213
2017/0273677 A1* 9/2017 Gorek A61B 17/7082

* cited by examiner

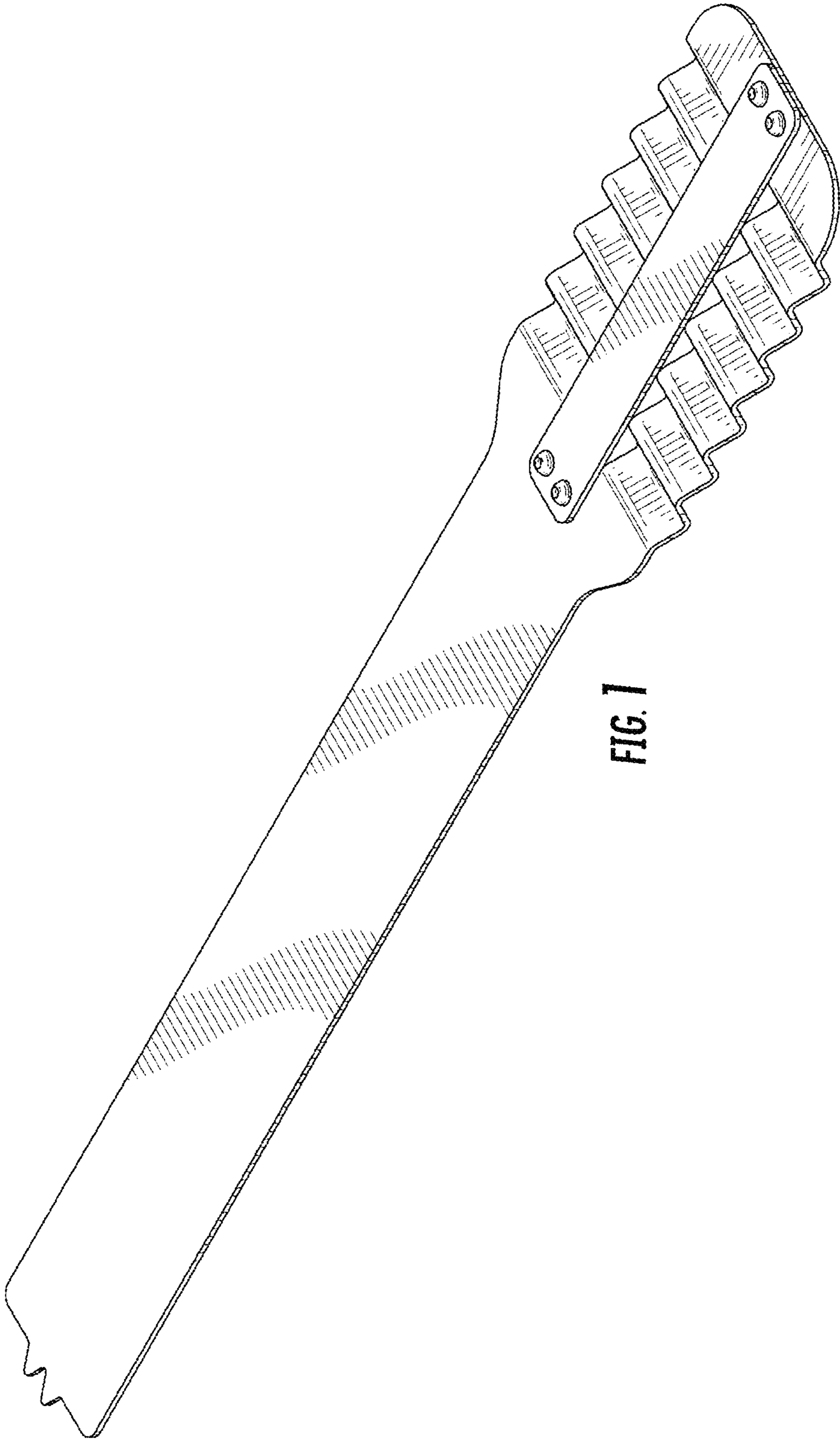


FIG. 1

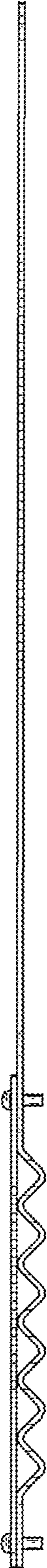


FIG. 2

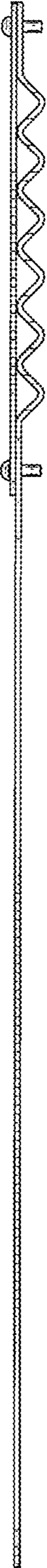


FIG. 3



FIG. 4



FIG. 5

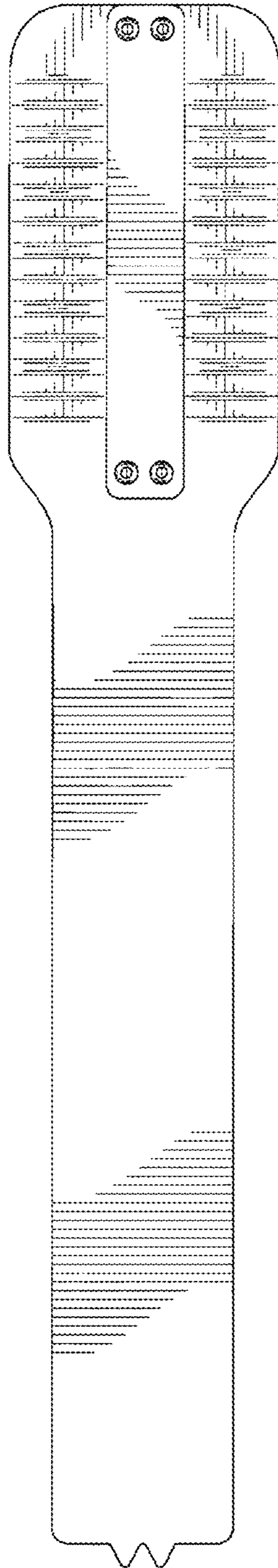


FIG. 6

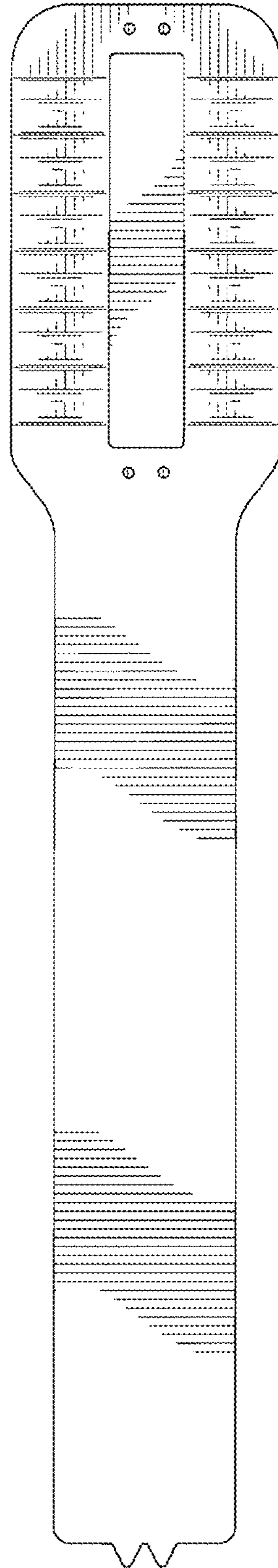


FIG. 7

FIG. 8

