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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**

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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**  
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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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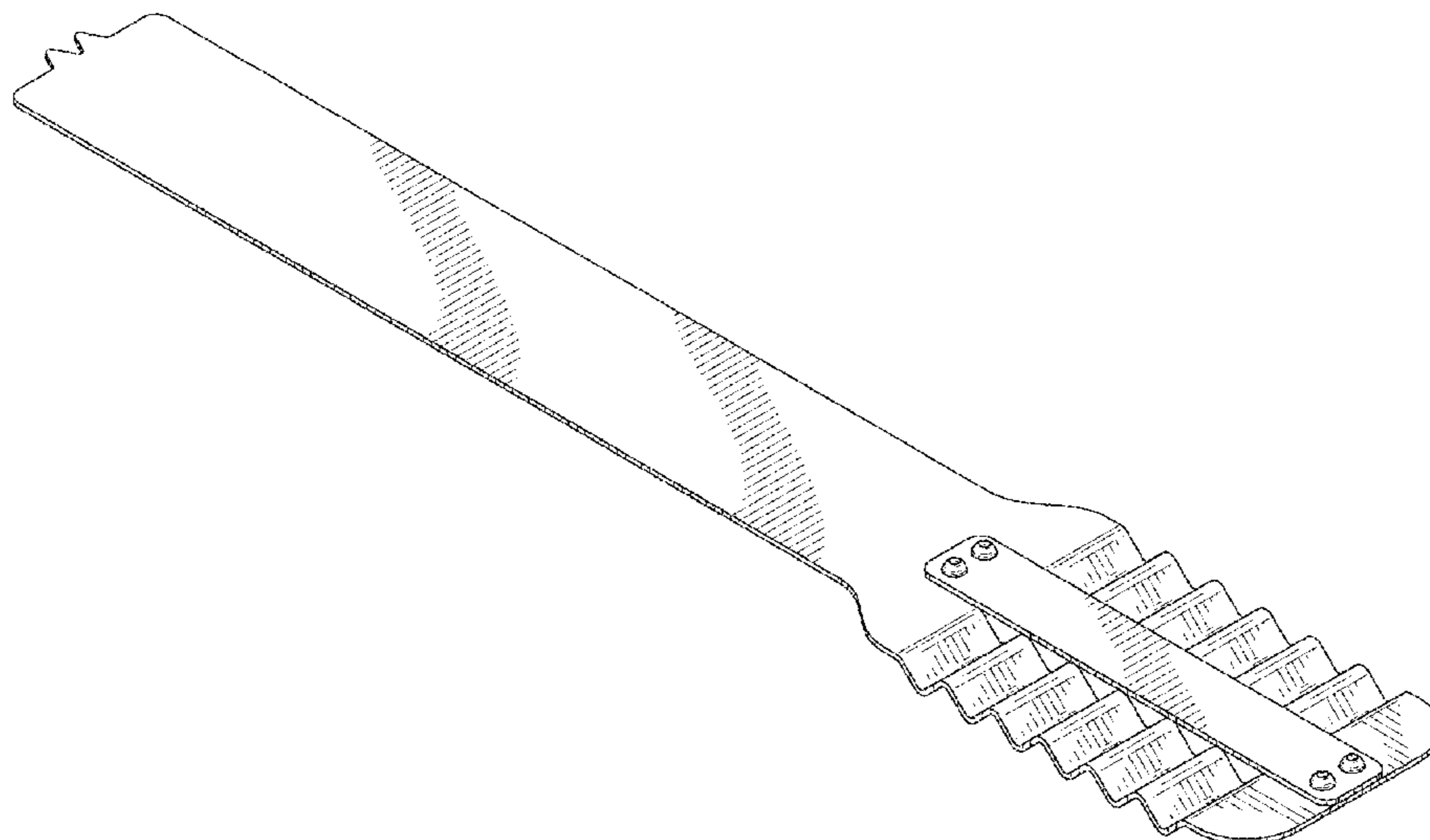
(57) **CLAIM**

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

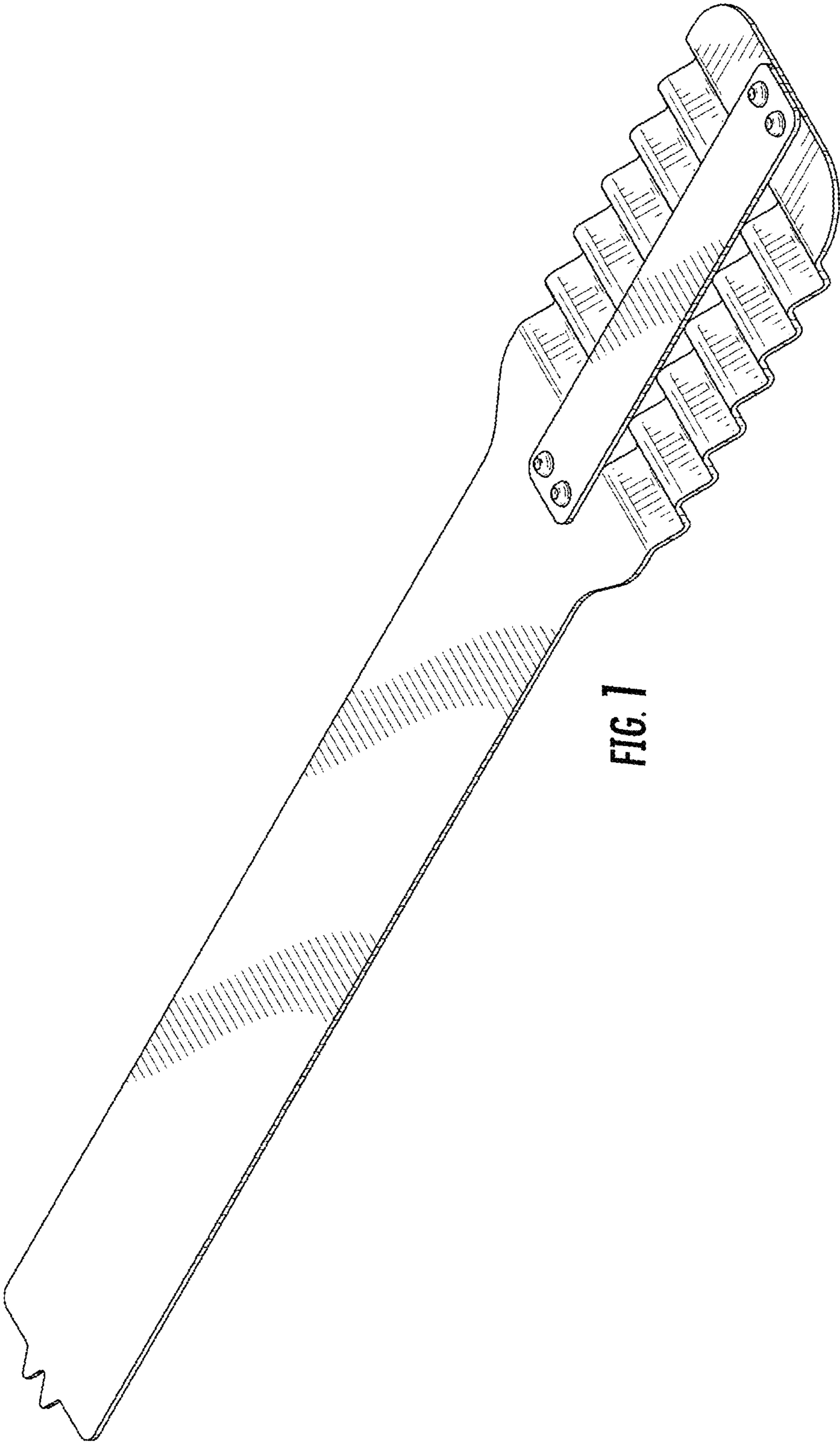


FIG. 1

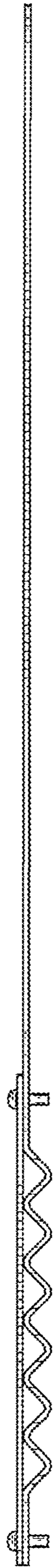


FIG. 2

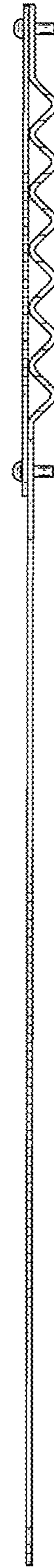
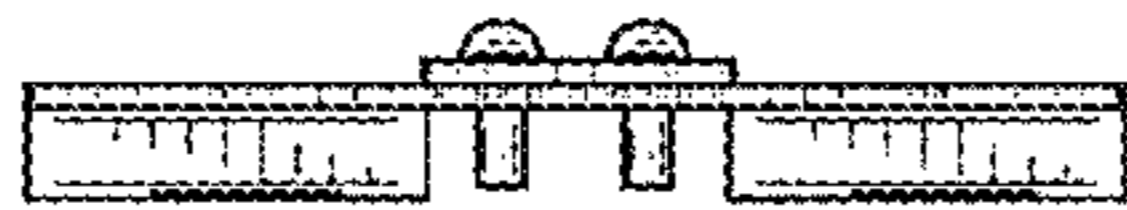


FIG. 3



*FIG. 4*



*FIG. 5*

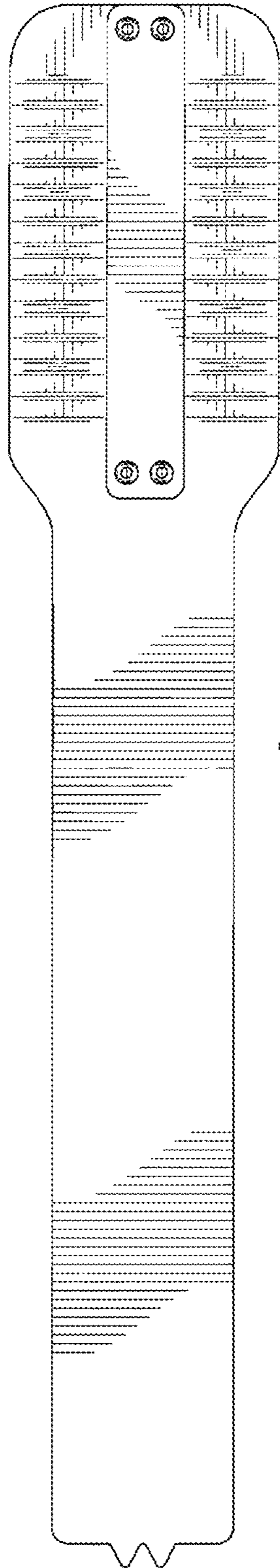


FIG. 6

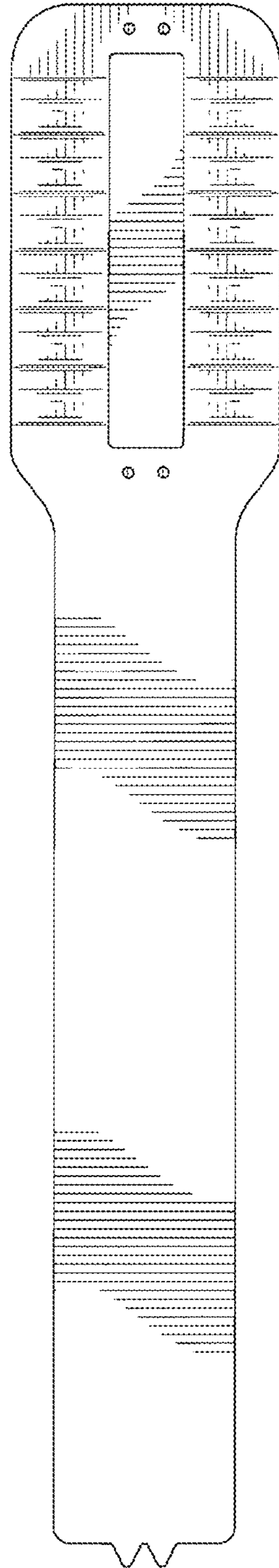


FIG. 7

FIG. 8

