



US00D641227S

(12) **United States Design Patent**  
**Kuo**

(10) **Patent No.:** **US D641,227 S**  
(45) **Date of Patent:** **\*\* Jul. 12, 2011**

(54) **KNIFE SHARPENER**

(76) Inventor: **Yu-Chin Kuo**, Tainan (TW)

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

(21) Appl. No.: **29/366,932**

(22) Filed: **Aug. 2, 2010**

(51) **LOC (9) Cl.** ..... **08-05**

(52) **U.S. Cl.** ..... **D8/93**

(58) **Field of Classification Search** ..... D8/63,  
D8/90-94, 107; 76/84; 451/523-525, 555-556;  
D22/118

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

35,292	A *	5/1862	Bogia	.....	30/340
198,668	A *	12/1877	Nicholson	.....	76/84
1,260,007	A *	3/1918	Maluf	.....	42/53
D55,498	S *	6/1920	Woodbury	.....	D22/118
1,858,380	A *	5/1932	Stoddard	.....	407/29.15
1,888,102	A *	11/1932	Zahler	.....	76/84
2,194,525	A *	3/1940	Nordberg	.....	72/340
D123,490	S *	11/1940	Saffell	.....	D8/93
2,347,856	A *	5/1944	Wachter	.....	451/524
D150,955	S *	9/1948	Jacobs	.....	D8/93
D153,706	S *	5/1949	Lathom	.....	D8/93
D192,338	S *	3/1962	Farber	.....	D7/684
D229,476	S *	12/1973	Farquharson	.....	D8/93
3,871,141	A *	3/1975	Bonapace	.....	451/524
4,094,106	A *	6/1978	Harris	.....	451/555
D249,079	S *	8/1978	Soderman et al.	.....	D21/723
4,197,677	A *	4/1980	Graves	.....	451/555
D326,044	S *	5/1992	Anderson	.....	D8/91
D389,716	S *	1/1998	Cohen et al.	.....	D8/93

6,048,262	A *	4/2000	Ray	.....	451/555
D442,457	S *	5/2001	Ray	.....	D8/93
D444,691	S *	7/2001	Ray	.....	D8/93
D448,643	S *	10/2001	Hays	.....	D8/90
6,371,841	B1 *	4/2002	Ray	.....	451/523
D461,386	S *	8/2002	Ray	.....	D8/93
D484,019	S *	12/2003	Waltzer	.....	D8/94
D529,360	S *	10/2006	Wimmer	.....	D8/80
D529,779	S *	10/2006	Smith	.....	D8/93
7,153,201	B2 *	12/2006	Smith	.....	451/540
D560,461	S *	1/2008	Epstein	.....	D8/91
D615,145	S *	5/2010	Herald	.....	D22/118
7,713,112	B2 *	5/2010	Huang	.....	451/525
7,887,397	B2 *	2/2011	Shen	.....	451/552

\* cited by examiner

*Primary Examiner* — Phillip S Hyder

*Assistant Examiner* — Roselynn Cody

(74) *Attorney, Agent, or Firm* — Alan Kamrath; Kamrath & Associates PA

(57) **CLAIM**

The ornamental design for a knife sharpener, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a knife sharpener showing my design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

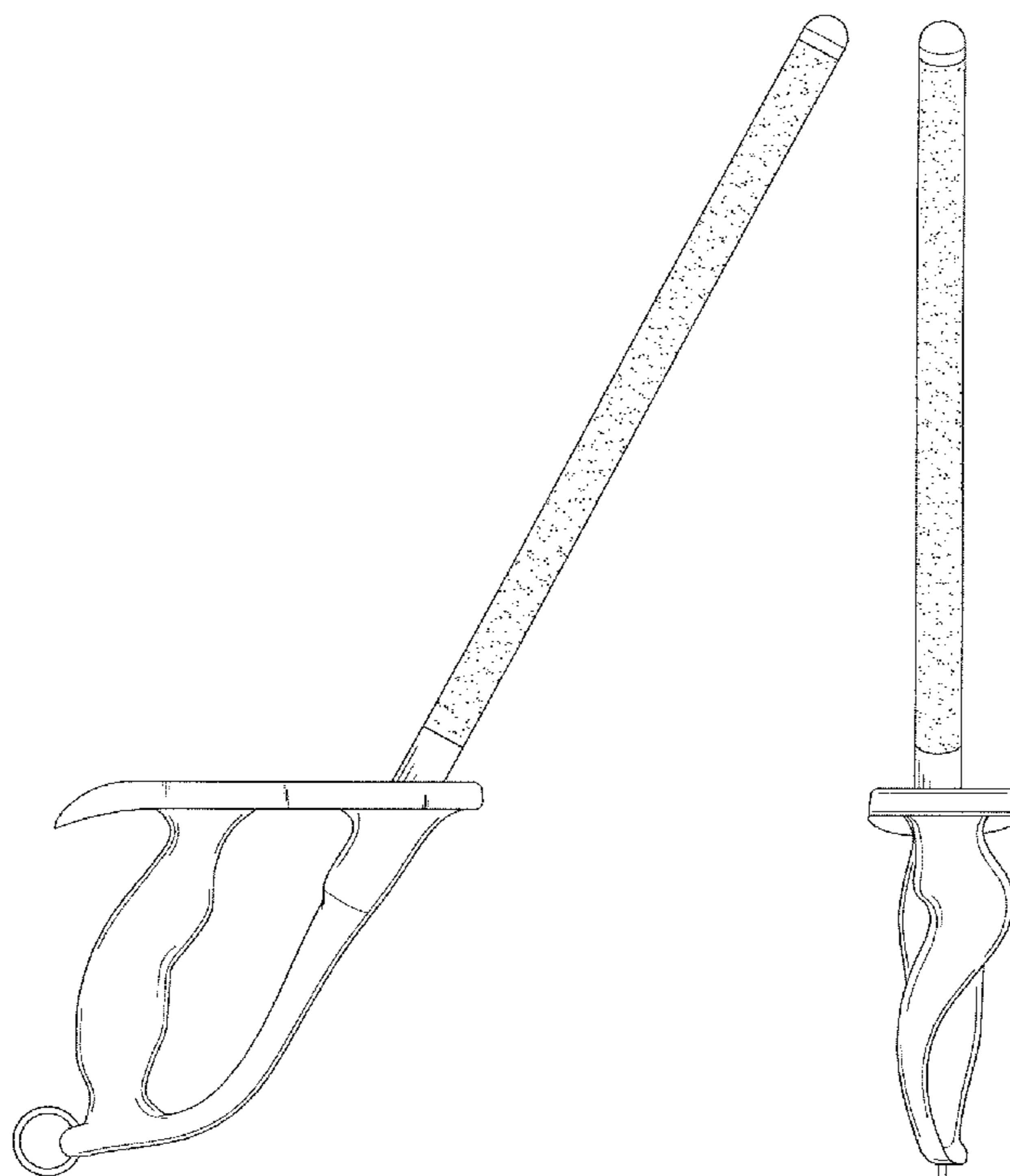
FIG. 4 is a left side elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

**1 Claim, 6 Drawing Sheets**



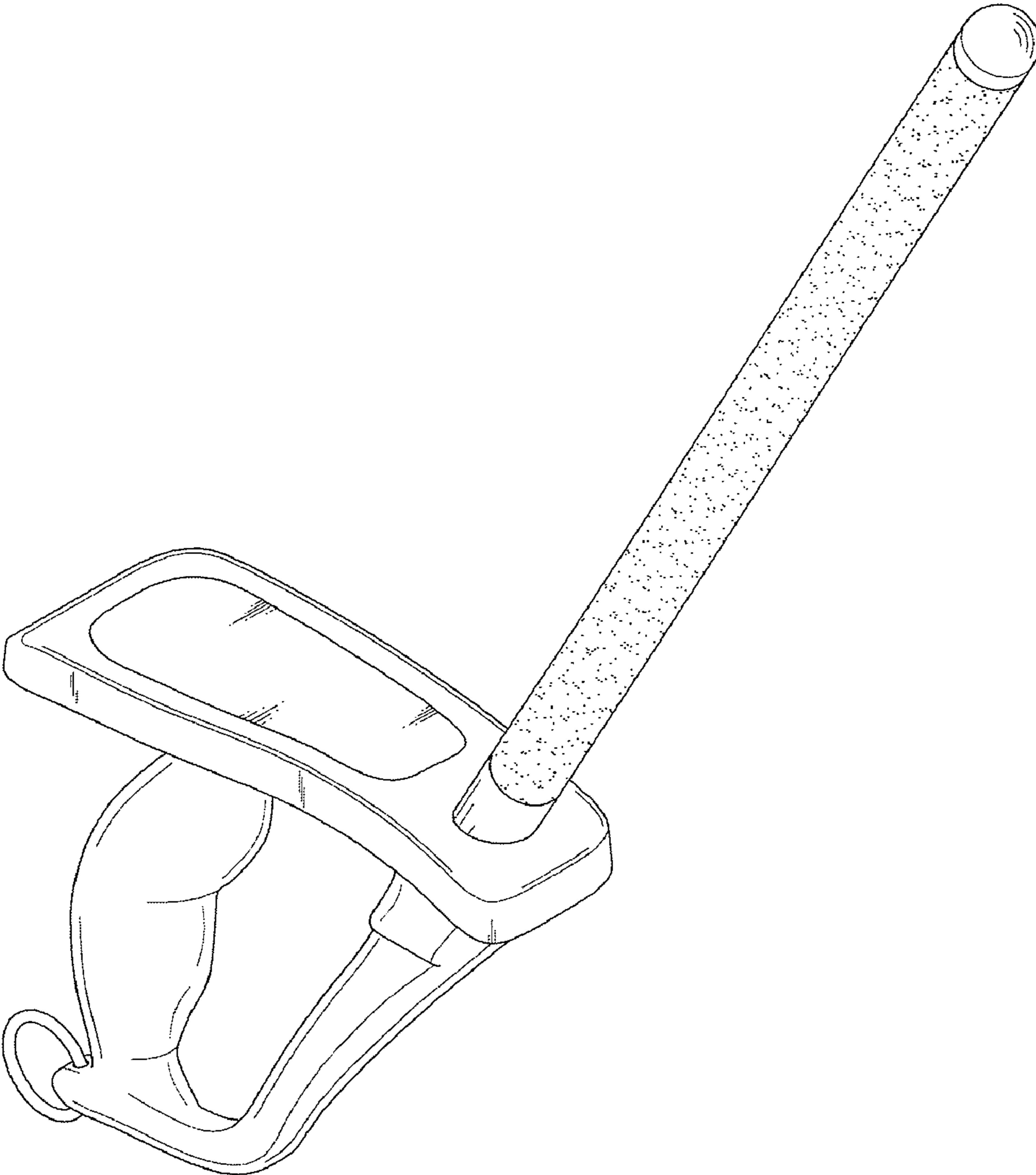


Fig. 1

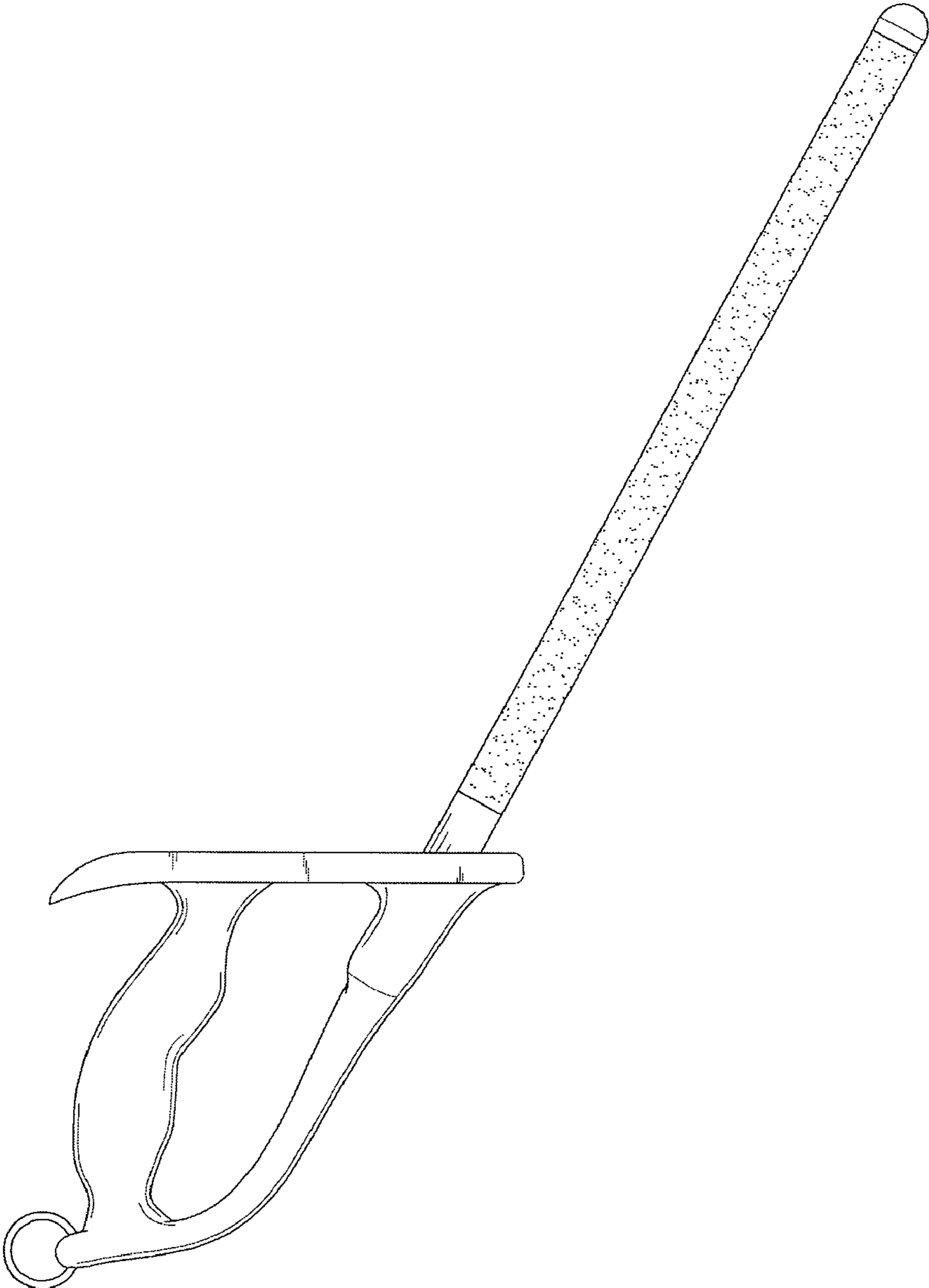


Fig. 2

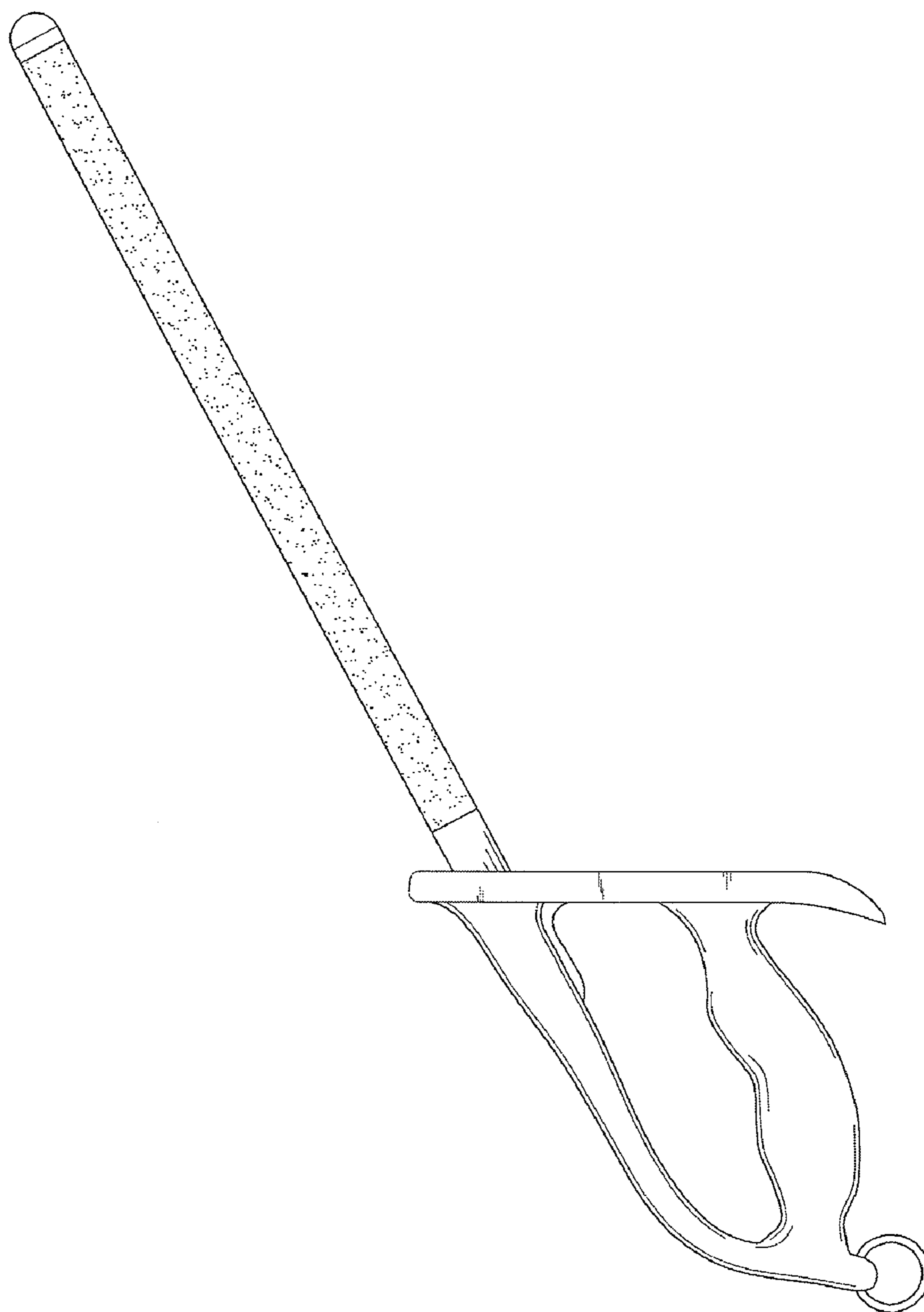


Fig. 3

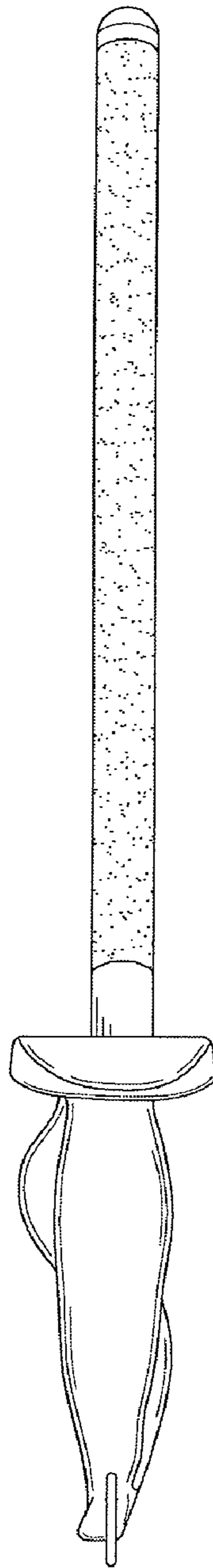


Fig. 4

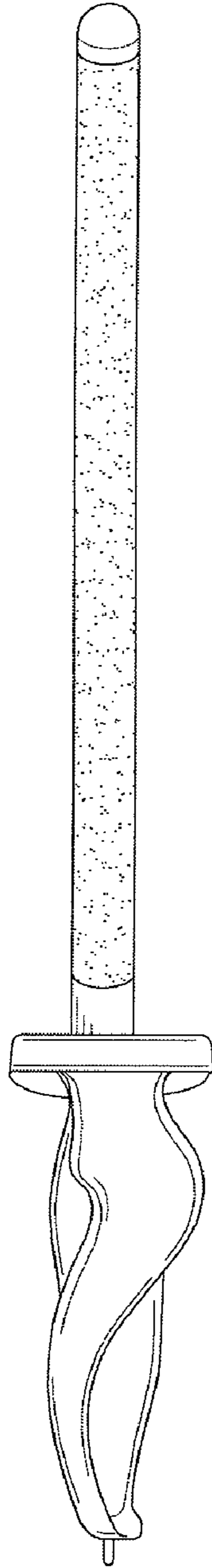


Fig. 5

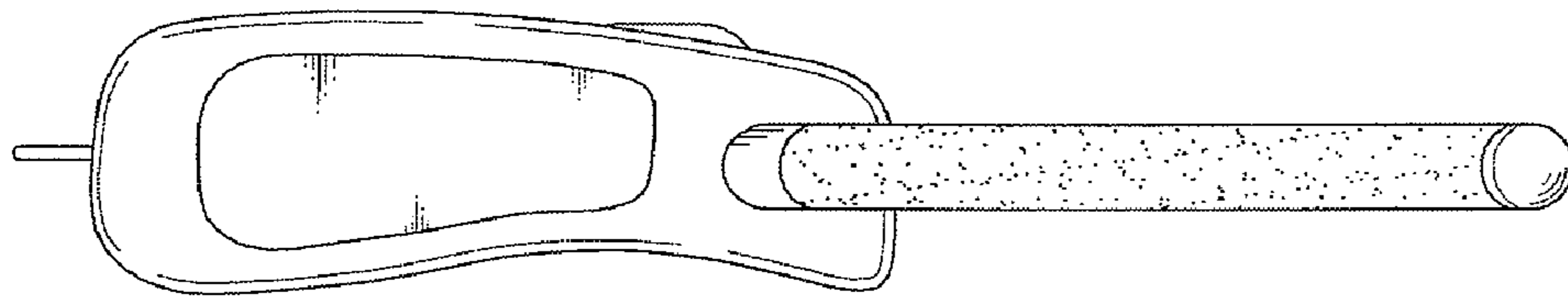


Fig. 6

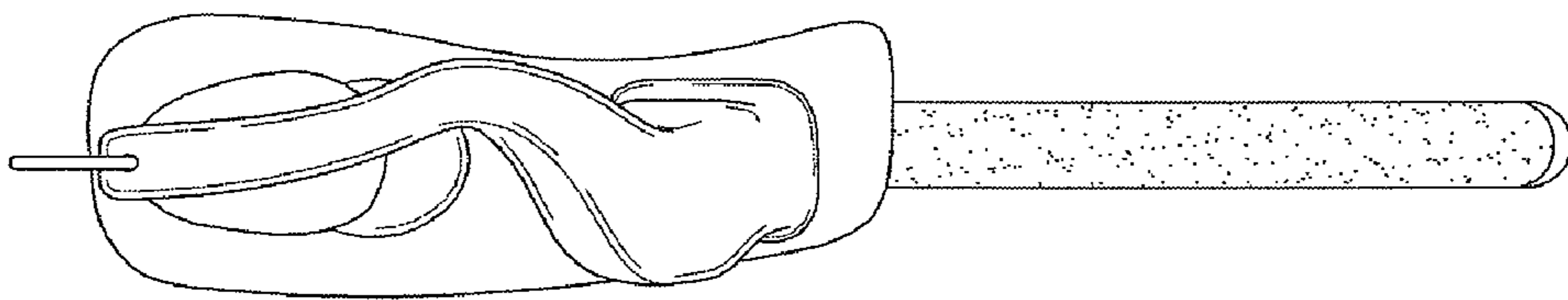


Fig. 7