



US00D553465S

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

(10) **Patent No.:** **US D553,465 S**

(45) **Date of Patent:** **** Oct. 23, 2007**

(54) **CLOSE QUARTER HACK SAW**
(75) Inventor: **Qiu Jian Ping**, Hangzhou (CN)
(73) Assignee: **Great Neck Saw Manufacturers, Inc.**,
Mineola, NY (US)

4,648,182 A 3/1987 Hoffman
D299,413 S * 1/1989 DeCarolis D8/97
4,827,619 A 5/1989 Alm
4,835,869 A 6/1989 Waldherr
D307,702 S 5/1990 Hsu
4,934,034 A 6/1990 Fukuda et al.
5,272,948 A 12/1993 Theising

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

(Continued)

(21) Appl. No.: **29/245,811**

Primary Examiner—Philip S. Hyder
(74) *Attorney, Agent, or Firm*—Joseph J. Previto

(22) Filed: **Dec. 29, 2005**

(51) **LOC (8) Cl.** **08-03**
(52) **U.S. Cl.** **D8/97**
(58) **Field of Classification Search** D8/95,
D8/96, 97, 98, 99, 107; 30/506, 507, 508,
30/509, 512, 514, 517, 518

(57) **CLAIM**

The ornamental design for a close quarter hack saw, substantially as shown and described.

See application file for complete search history.

DESCRIPTION

(56) **References Cited**

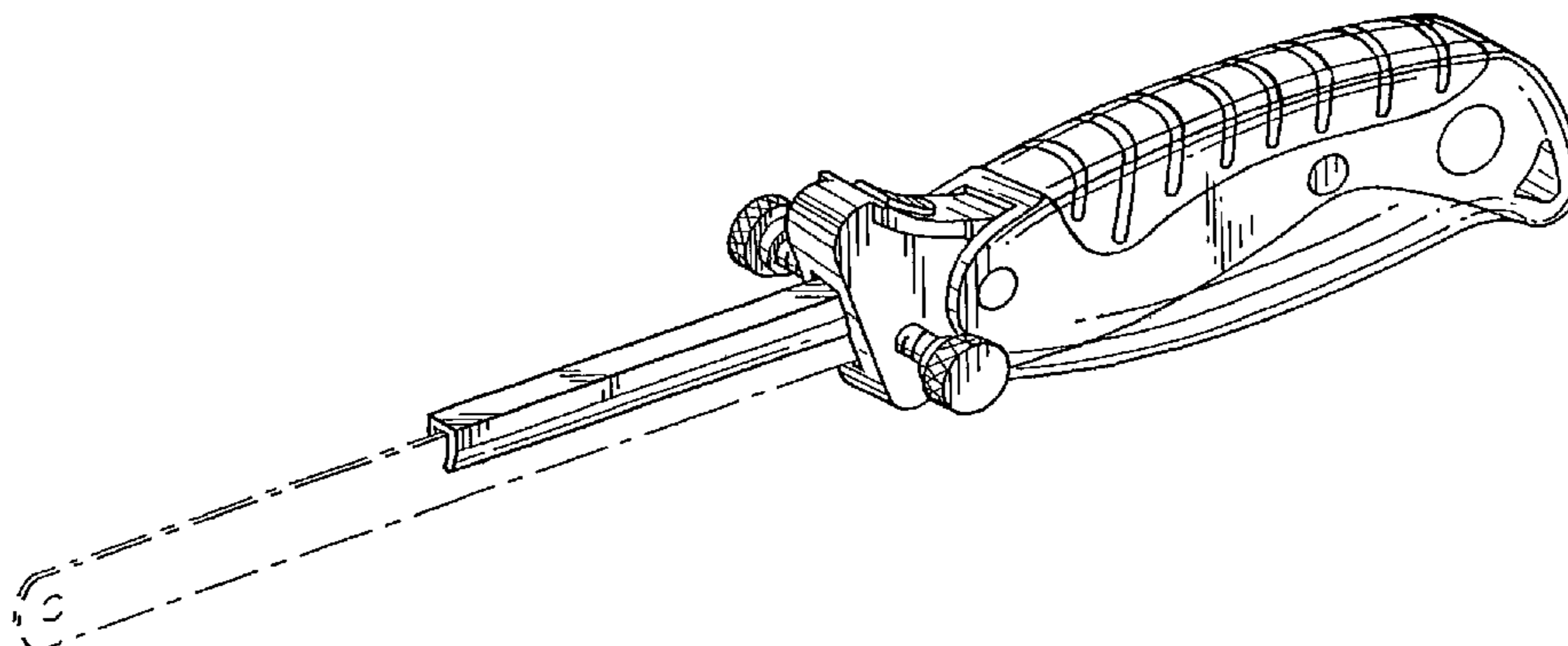
U.S. PATENT DOCUMENTS

143,650 A 10/1873 Weller
156,369 A 10/1874 Millspaugh
170,181 A 11/1875 Millspaugh
170,970 A 12/1875 Tanner
173,319 A 2/1876 McChesney
199,845 A 1/1878 McChesney
277,141 A 5/1883 Learned
316,753 A 4/1885 Delafield
552,342 A 12/1895 White
601,480 A 3/1898 Powell
752,364 A 2/1904 Soloman
1,423,506 A 7/1922 Slothower
1,972,566 A 9/1934 Laemmel
2,017,895 A 10/1935 Davey
2,262,540 A 11/1941 Stone
D162,794 S 4/1951 Derr
2,880,773 A 4/1959 Contreras et al.
2,996,931 A 8/1961 Garafola
3,702,627 A 11/1972 Dreier
3,815,648 A 6/1974 Dreier
3,825,047 A 7/1974 Mc Manus et al.
4,411,068 A 10/1983 Theodorides
4,503,742 A 3/1985 Sutton
4,627,165 A 12/1986 Gibson

FIG. 1 is a perspective view of my new design.
FIG. 2 is a top view thereof.
FIG. 3 is a side view thereof.
FIG. 4 is a front view thereof.
FIG. 5 is a rear view thereof.
FIG. 6 is a bottom view thereof.
FIG. 7 is another side view thereof.
FIG. 8 is a perspective view of another embodiment of my new design
FIG. 9 is a top view thereof.
FIG. 10 is a side view thereof.
FIG. 11 is a front view thereof.
FIG. 12 is a rear view thereof.
FIG. 13 is a bottom view thereof; and,
FIG. 14 is another side view thereof.

The broken lines showing the saw blade in FIGS. 1 to 14 and the saw blade support in FIGS. 8 to 14 are included for the purposes of illustrating environmental structure and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



US D553,465 S

Page 2

U.S. PATENT DOCUMENTS

5,443,276	A	8/1995	Nasser et al.				
5,590,473	A	1/1997	Wang				
D383,370	S *	9/1997	Chen et al.	.....	D8/107		
5,826,344	A	10/1998	Phelon et al.				
D400,421	S *	11/1998	Okada	.....	D8/97		
5,930,902	A	8/1999	Hsu				
5,937,527	A	8/1999	Okada				
6,070,330	A	6/2000	Phelon et al.				
6,112,420	A	9/2000	Schickerling				
D440,855	S *	4/2001	Wang	.....	D8/97		
D466,784	S *	12/2002	Chen	.....	D8/97		
D468,614	S *	1/2003	Kanzawa	.....	D8/97		
6,711,825	B2	3/2004	Chen				
D510,008	S *	9/2005	Kanzawa	.....	D8/97		
7,093,367	B1 *	8/2006	Huang	.....	30/519		
D528,892	S *	9/2006	Okada	.....	D8/97		

* cited by examiner

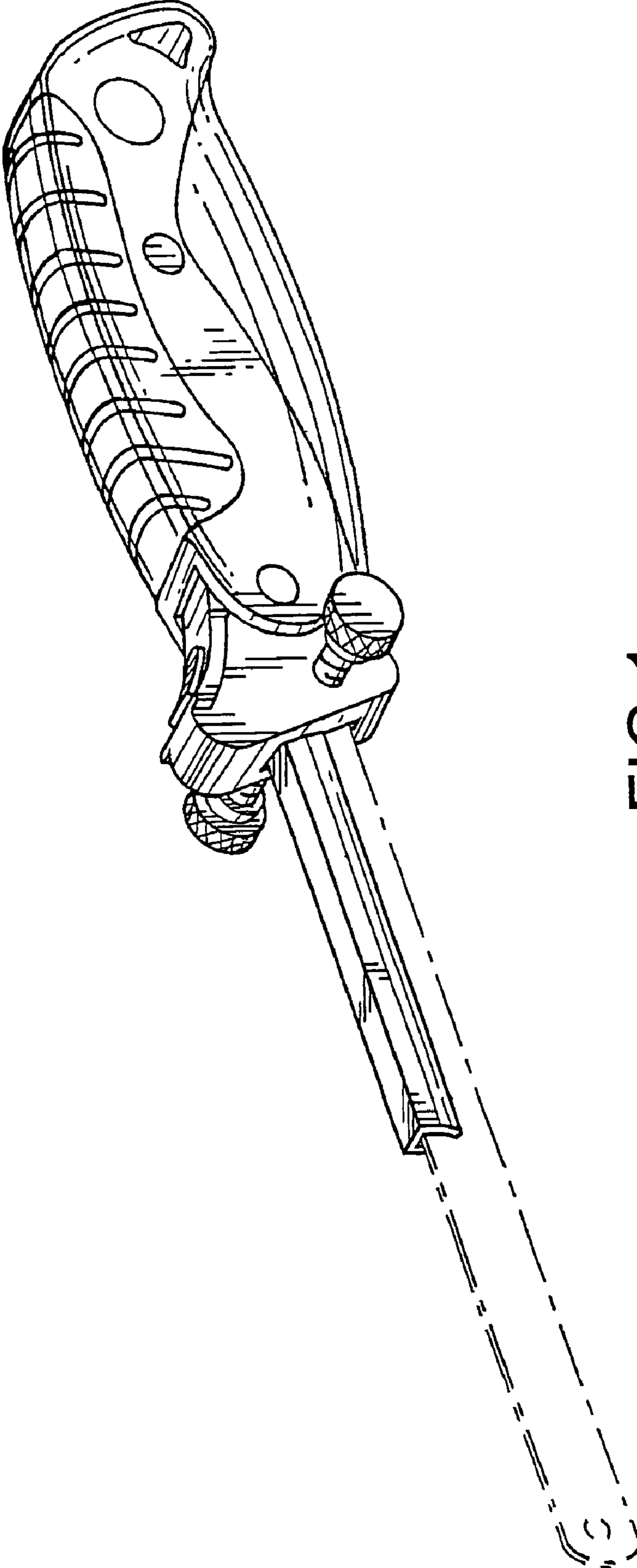


FIG.1

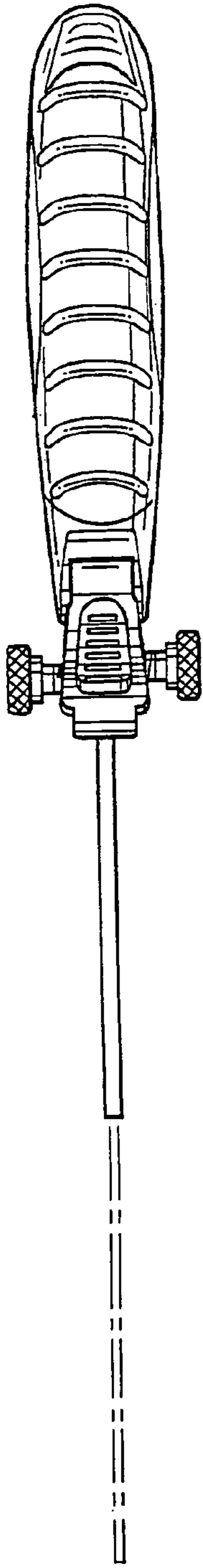


FIG. 2

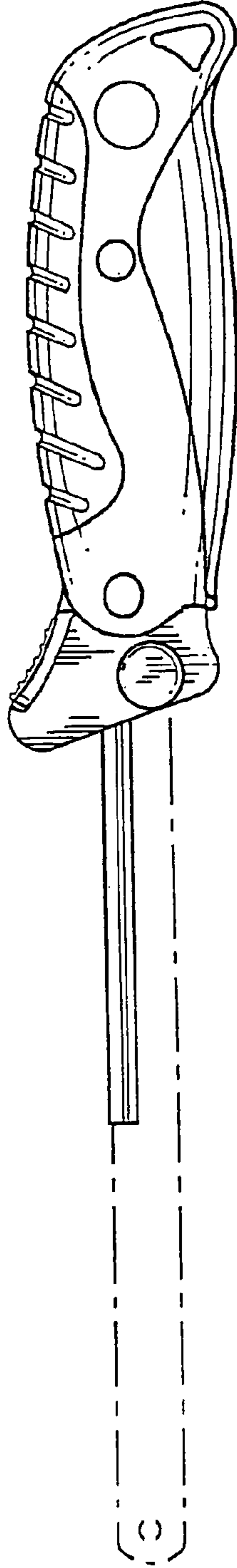


FIG. 3

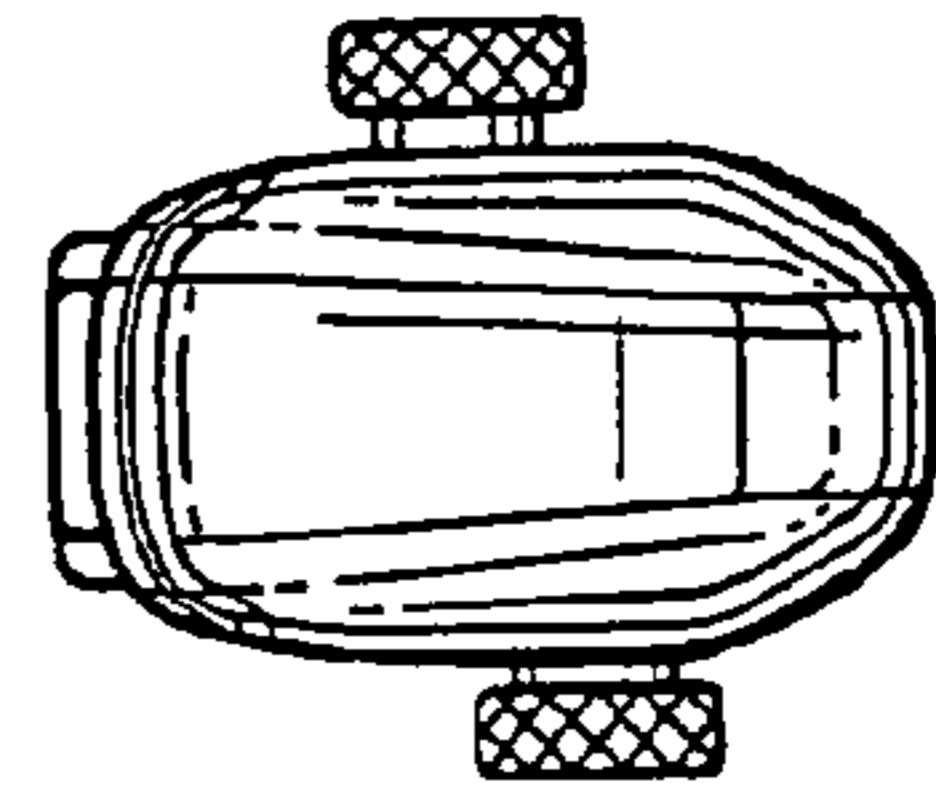


FIG. 5

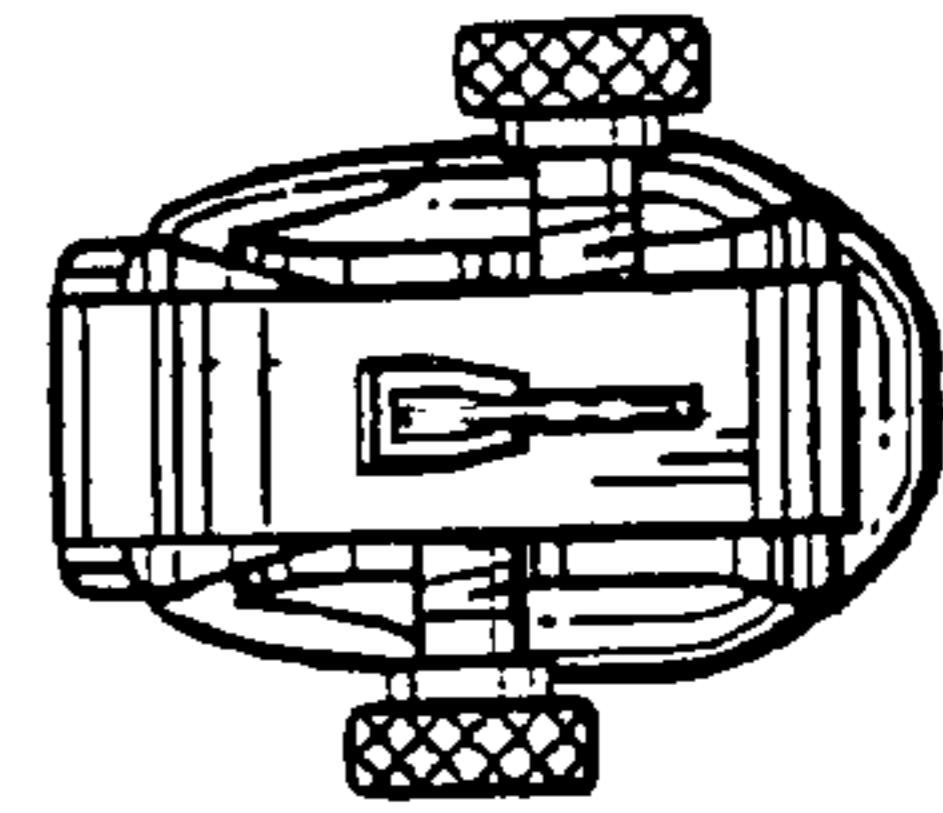


FIG. 4

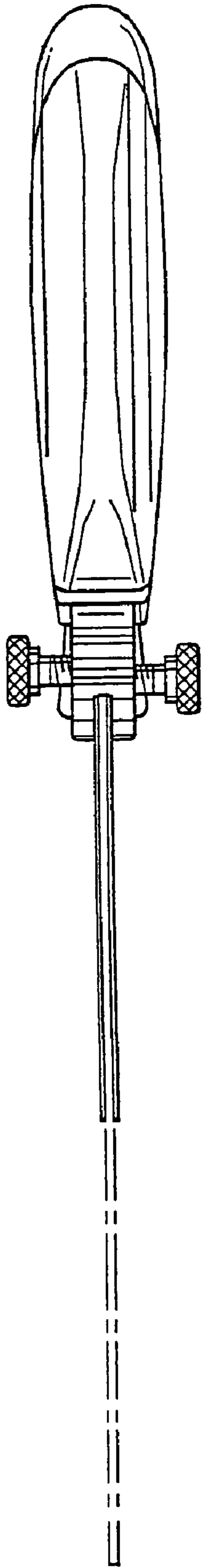


FIG. 6

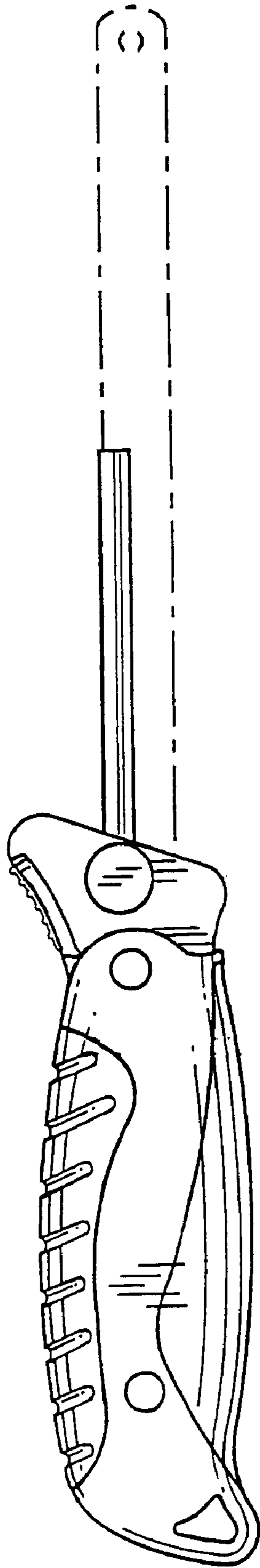


FIG. 7

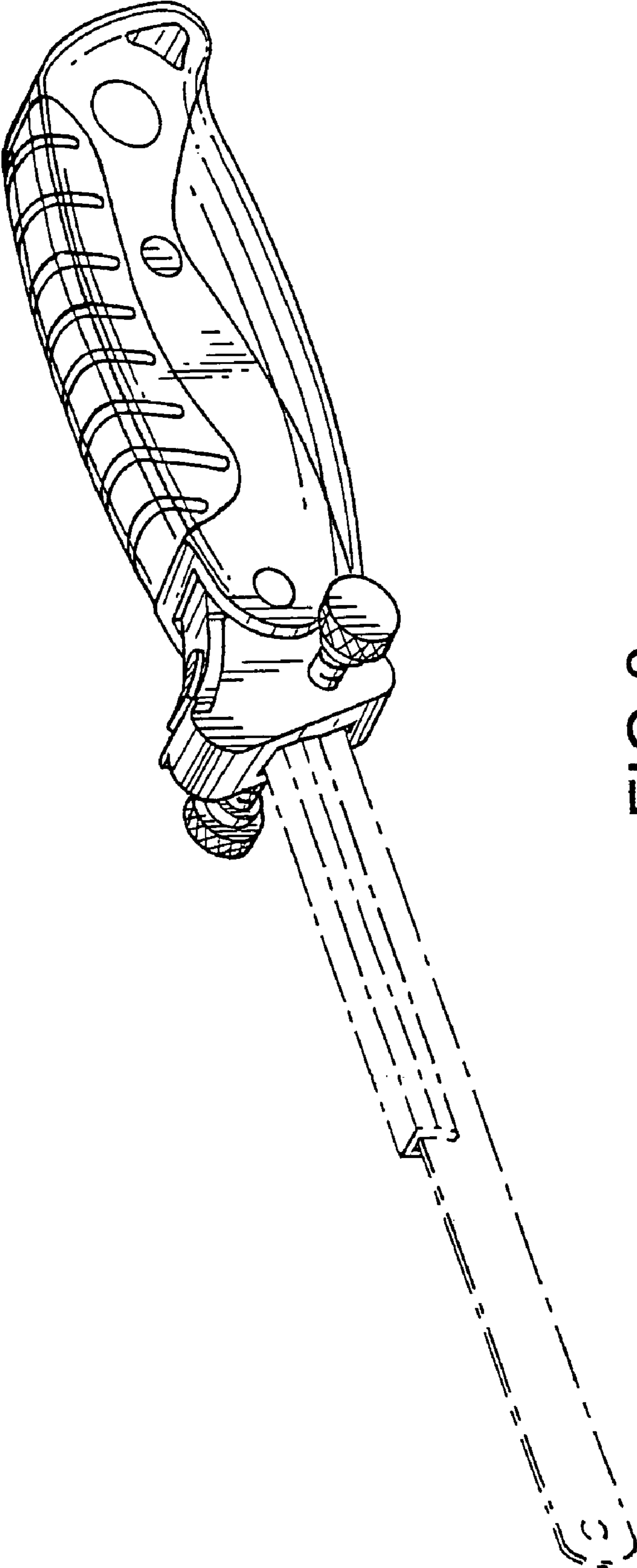


FIG. 8

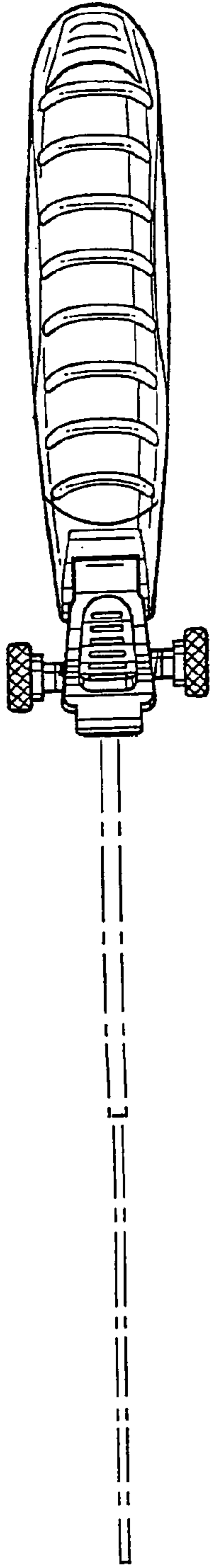


FIG. 9

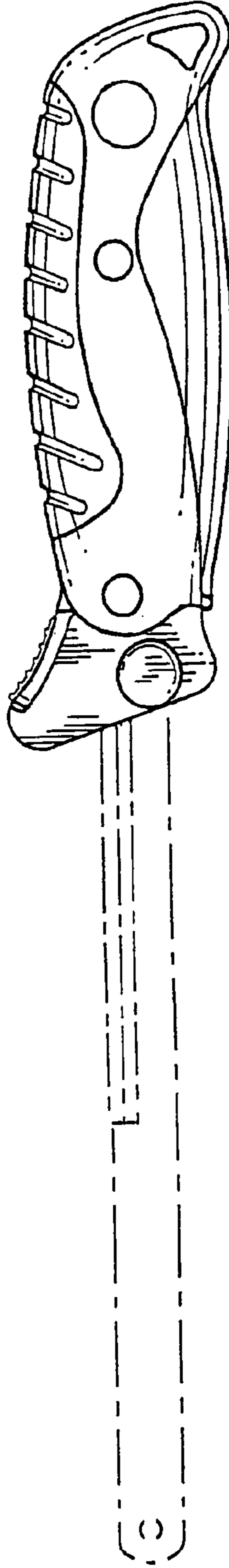


FIG. 10

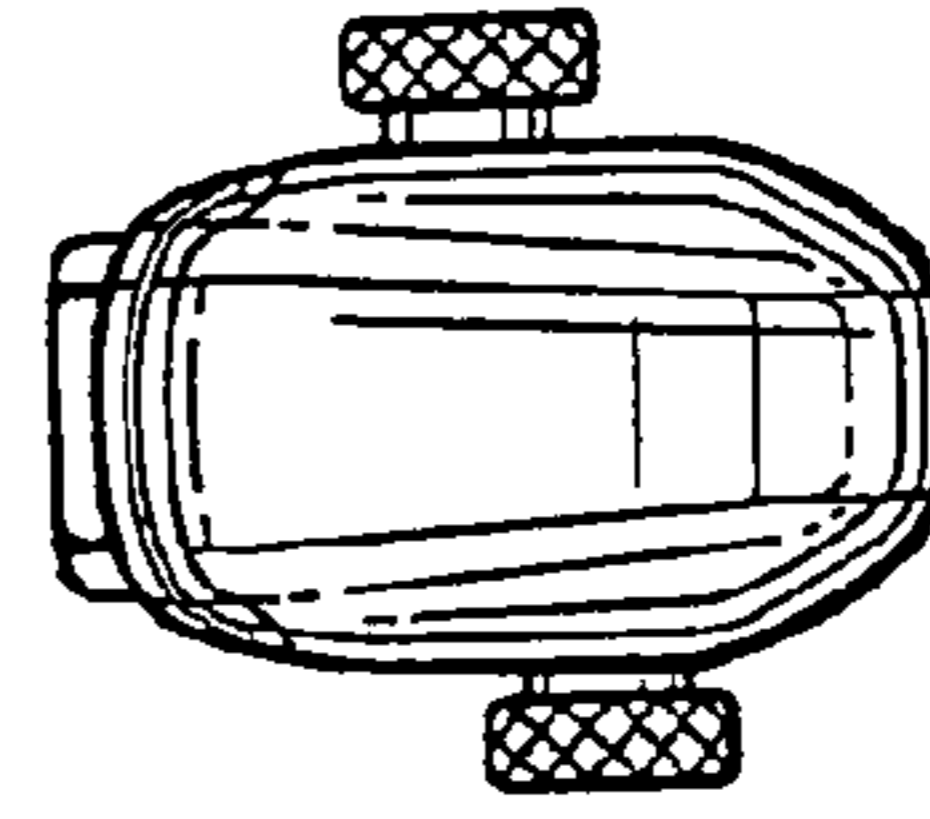


FIG. 12

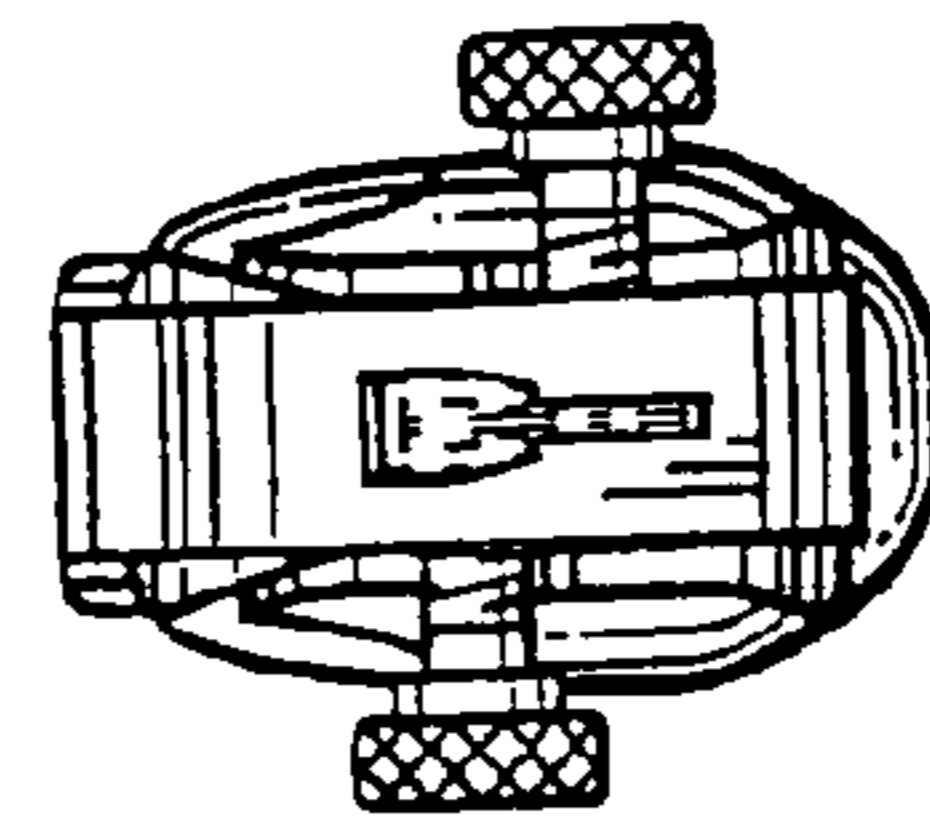


FIG. 11

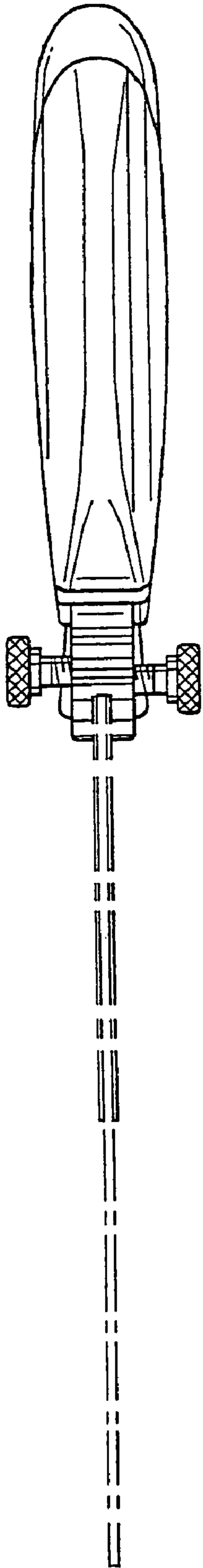


FIG. 13

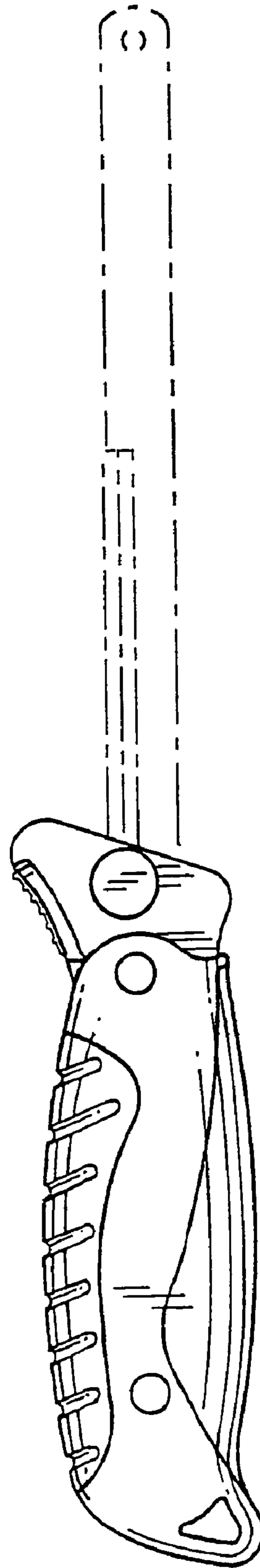


FIG. 14