



US00D488686S

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

(10) **Patent No.:** **US D488,686 S**

(45) **Date of Patent:** **** Apr. 20, 2004**

(54) **LIQUID APPLICATION DEVICE FOR USE WITH A SEED PLANTING ASSEMBLY**

6,453,832 B1 * 9/2002 Schaffert 111/150
2002/0017389 A1 2/2002 Moser et al.

(75) Inventor: **Jeffrey M. Schneider**, Atlanta, GA (US)

* cited by examiner

Primary Examiner—Holly Baynham

(73) Assignee: **AG-Solutions, Inc.**, Atlanta, GA (US)

(74) *Attorney, Agent, or Firm*—Thomas, Kayden, Horstemeyer & Risley, LLP

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

(57) **CLAIM**

(21) Appl. No.: **29/181,175**

The ornamental design of a liquid application device for use with a seed planting assembly, as shown and described.

(22) Filed: **May 5, 2003**

DESCRIPTION

(51) **LOC (7) Cl.** **08-01**

(52) **U.S. Cl.** **D8/1**

(58) **Field of Search** D8/1; 111/127, 111/118, 197

FIG. 1 is a perspective view showing my new liquid application device for use with a seed planting assembly; FIG. 2 is a right side view thereof; the left side view thereof being a mirror image of that which is shown.

FIG. 3 is a front view thereof;

FIG. 4 is a back view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom side view thereof;

FIG. 7 is a perspective view showing the furrow conditioner;

FIG. 8 is a right side view thereof, the left side view thereof being a mirror image of that which is shown;

FIG. 9 is a front view thereof;

FIG. 10 is a back view thereof;

FIG. 11 is a top view thereof;

FIG. 12 is a bottom view thereof;

FIG. 13 is a perspective view showing the spray arm;

FIG. 14 is a right side view thereof, the left side view thereof being a mirror image of that which is shown;

FIG. 15 is a front view thereof;

FIG. 16 is a back view thereof;

FIG. 17 is a top view thereof; and,

FIG. 18 is a bottom view thereof.

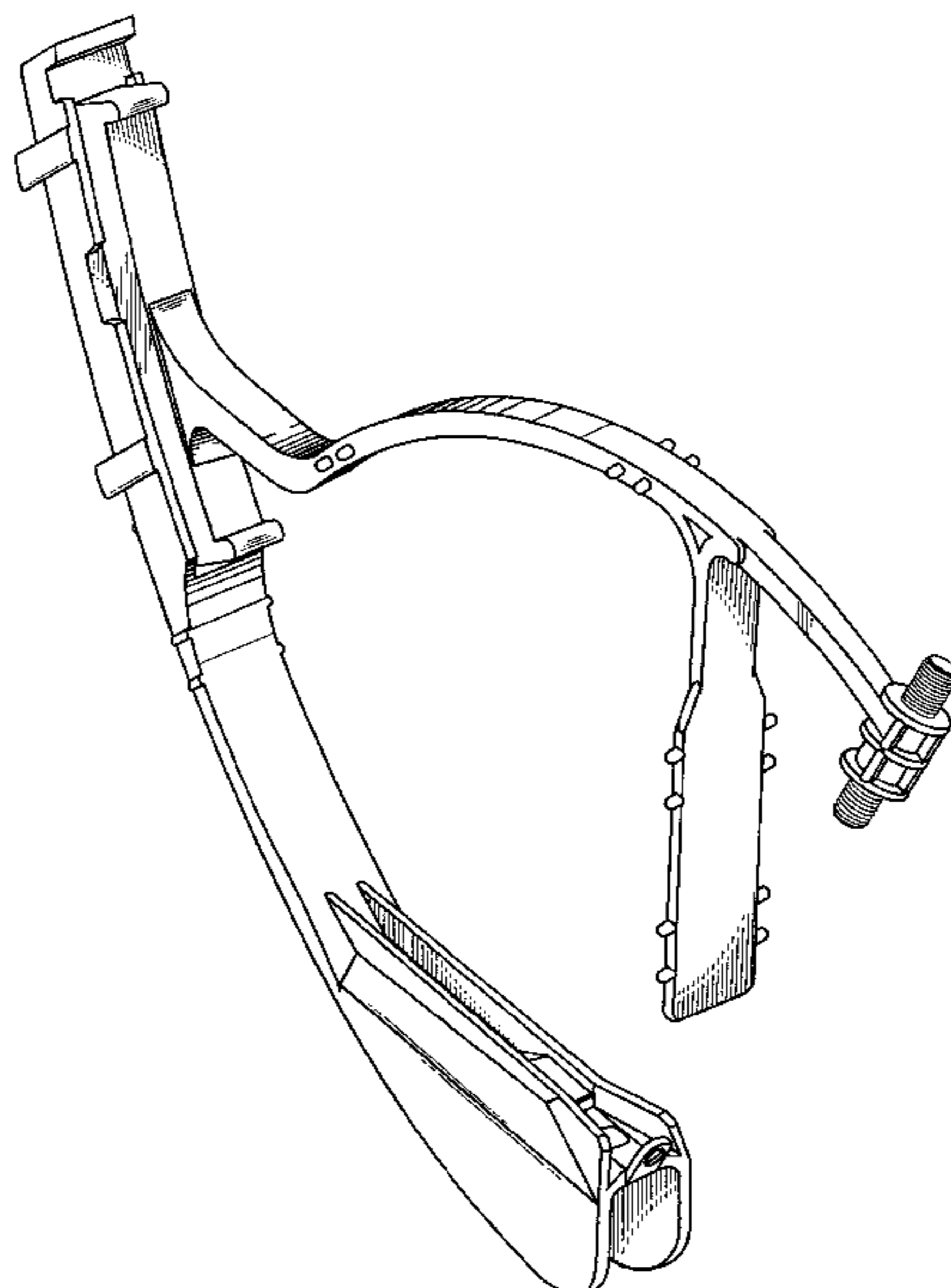
The elements of the claimed design are shown separately for ease and clarity of illustration.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,745,944	A	7/1973	Yetter et al.	111/7
5,370,068	A	12/1994	Rawson et al.	111/121
5,425,318	A	6/1995	Keeton	111/197
5,640,915	A	6/1997	Schaffert	111/150
5,673,638	A	10/1997	Keeton	111/167
5,682,829	A	11/1997	Sukup	111/121
5,730,074	A	3/1998	Peter	111/118
5,752,453	A	5/1998	Nikkel et al.	111/121
5,852,982	A	12/1998	Peter	111/118
5,862,763	A	1/1999	Dietrich, Sr.	111/121
5,918,557	A	7/1999	Schaffert	111/150
6,067,918	A	5/2000	Kirby	111/121
6,082,274	A	7/2000	Peter	111/118
6,082,275	A	7/2000	Schaffert	111/150
6,095,065	A	8/2000	Dietrich, Sr.	111/121
6,135,037	A	10/2000	Juptner	111/139
6,138,590	A	10/2000	Colburn, Jr.	111/118
6,220,191	B1	4/2001	Peter	111/118
6,283,050	B1	9/2001	Schaffert	111/150
6,289,829	B1	9/2001	Fish et al.	111/121

1 Claim, 12 Drawing Sheets



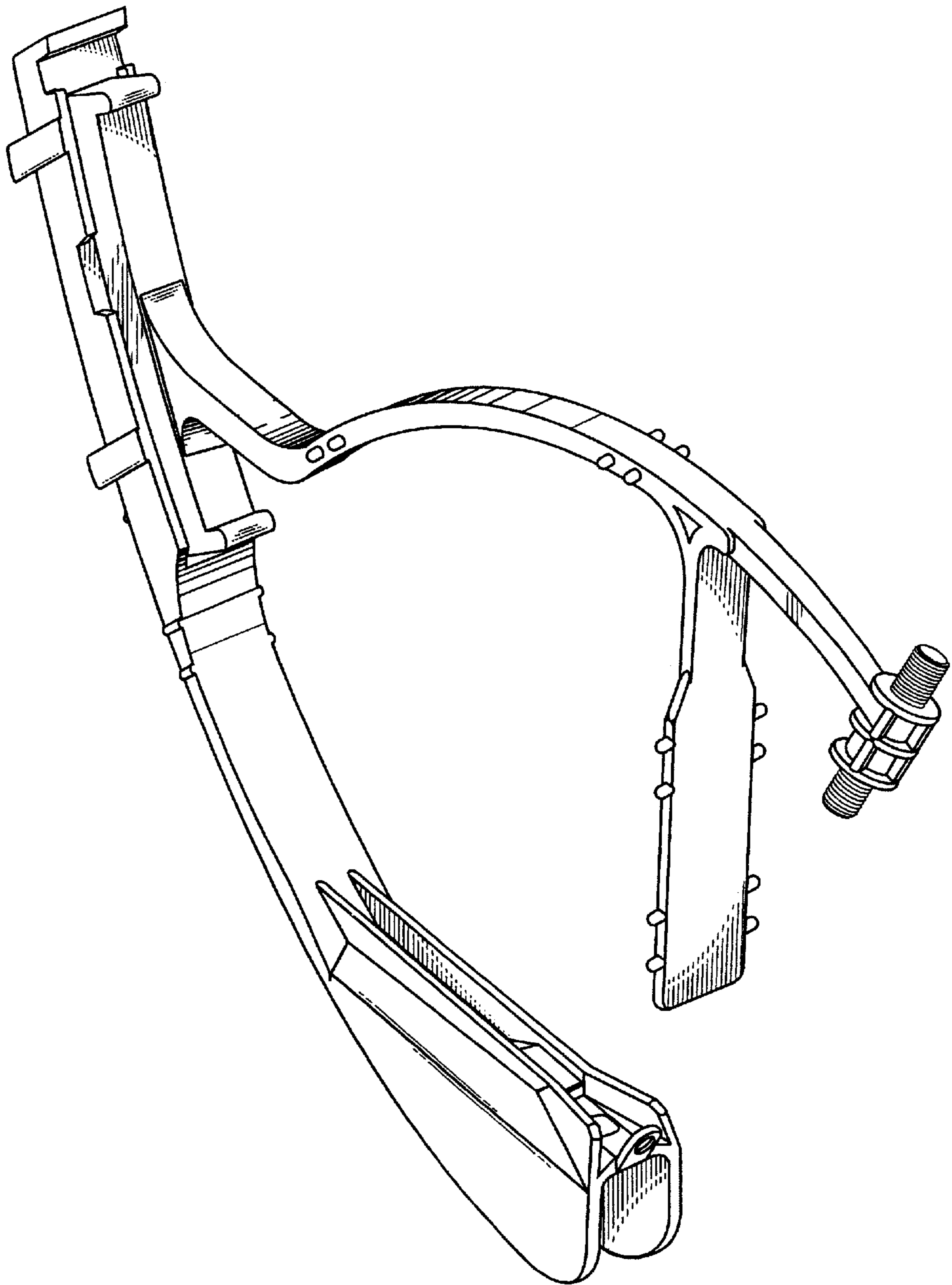


Fig. 1

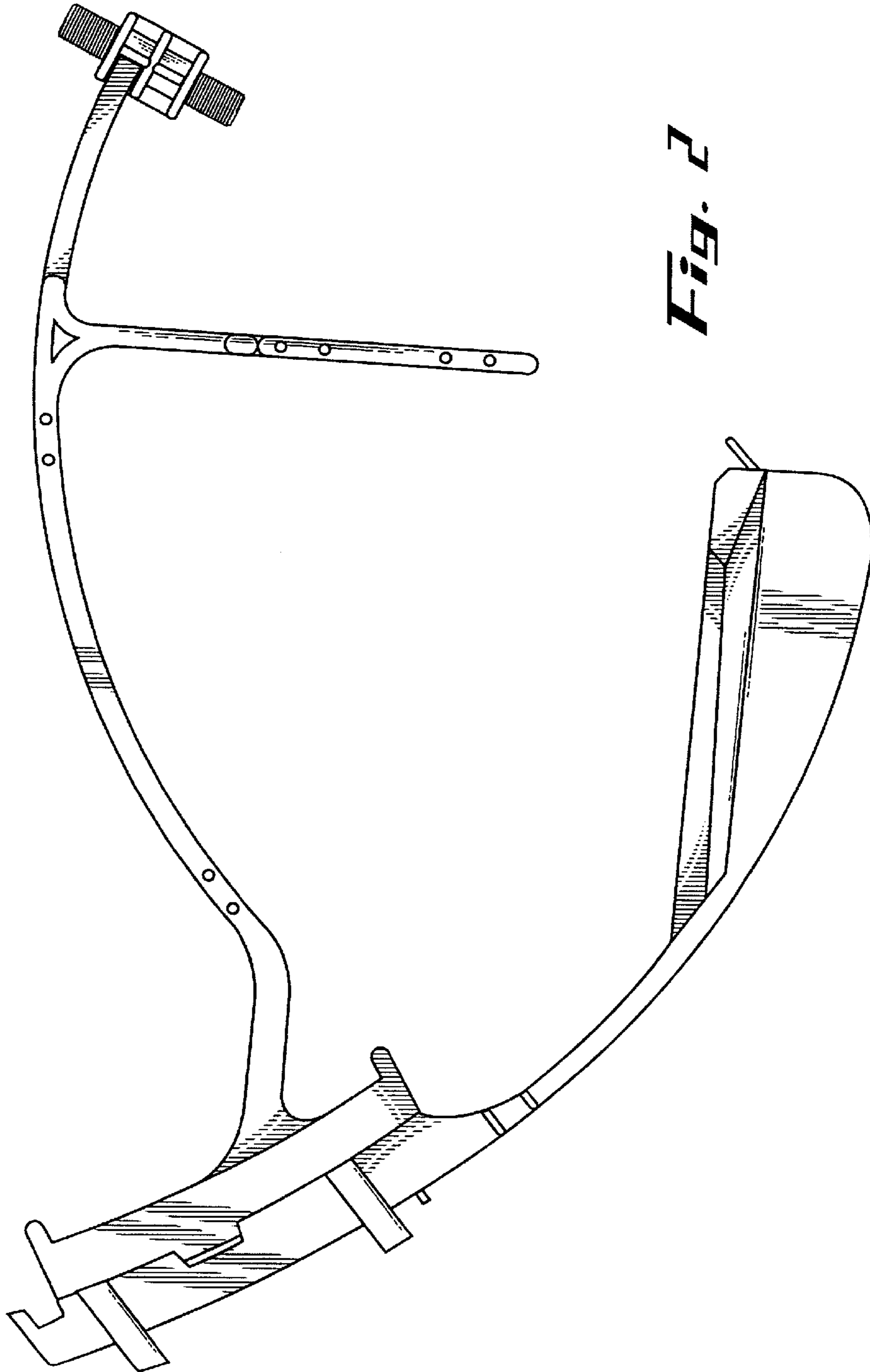


Fig. 2

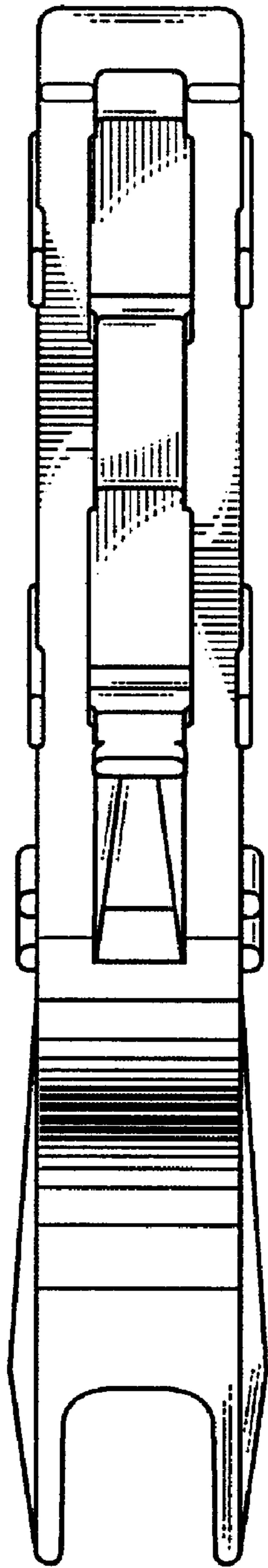


Fig. 3

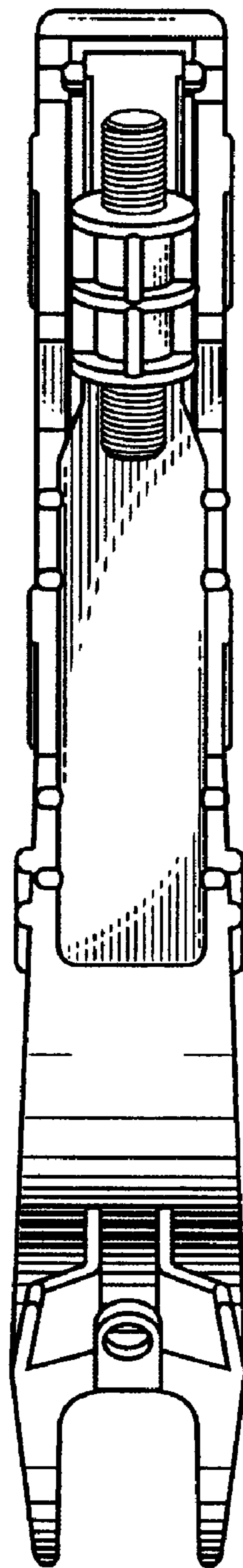


Fig. 4

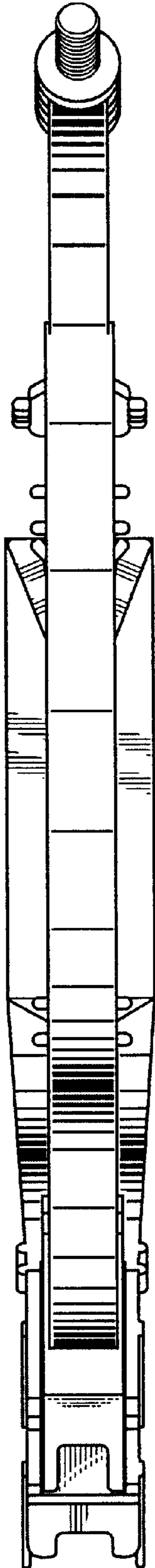


Fig. 5

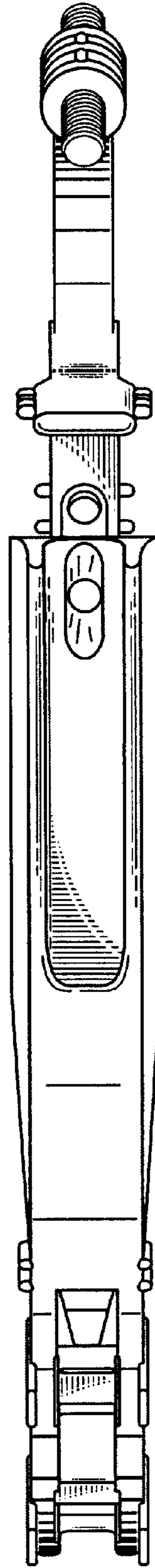


Fig. 6

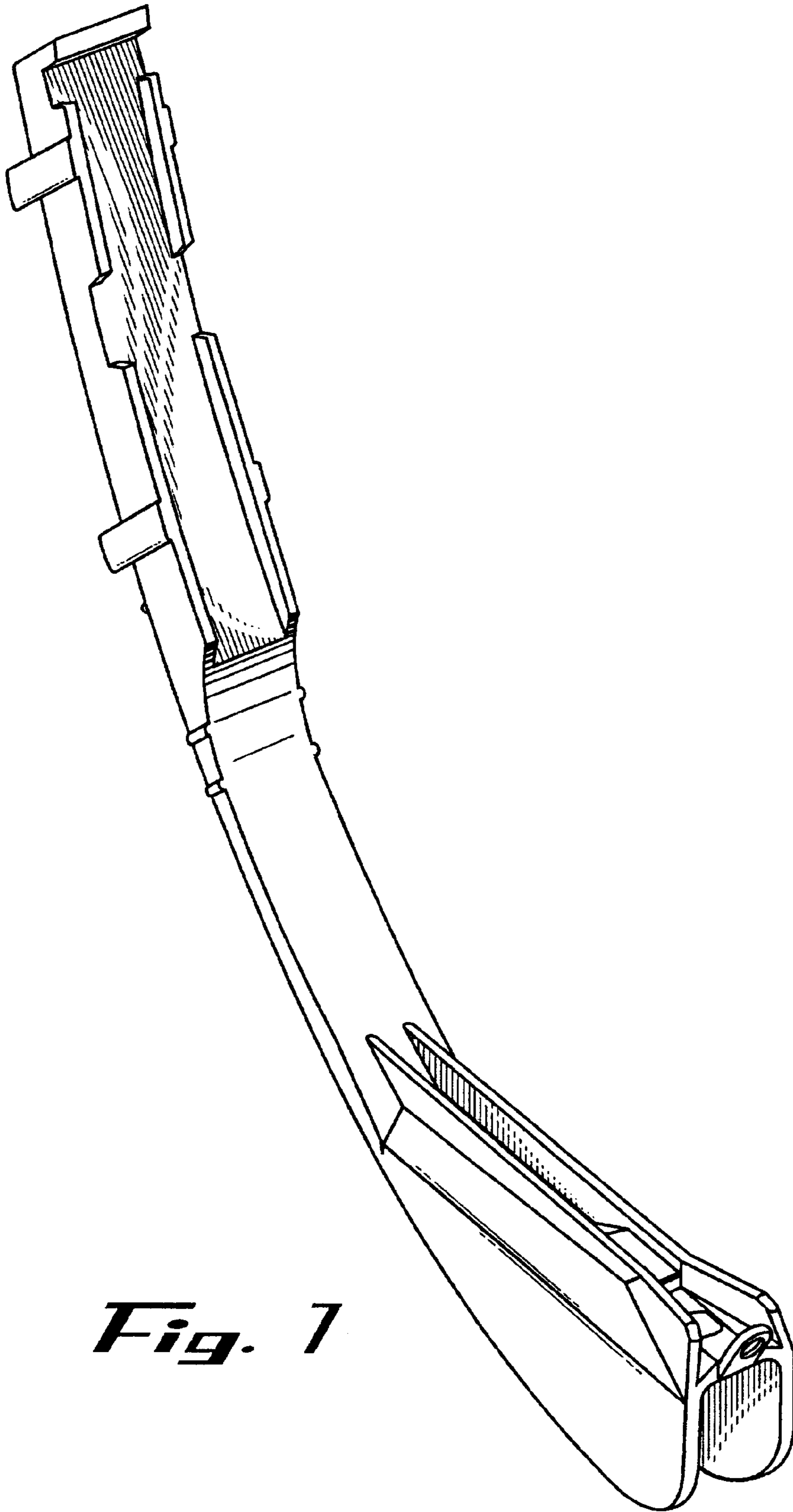


Fig. 1

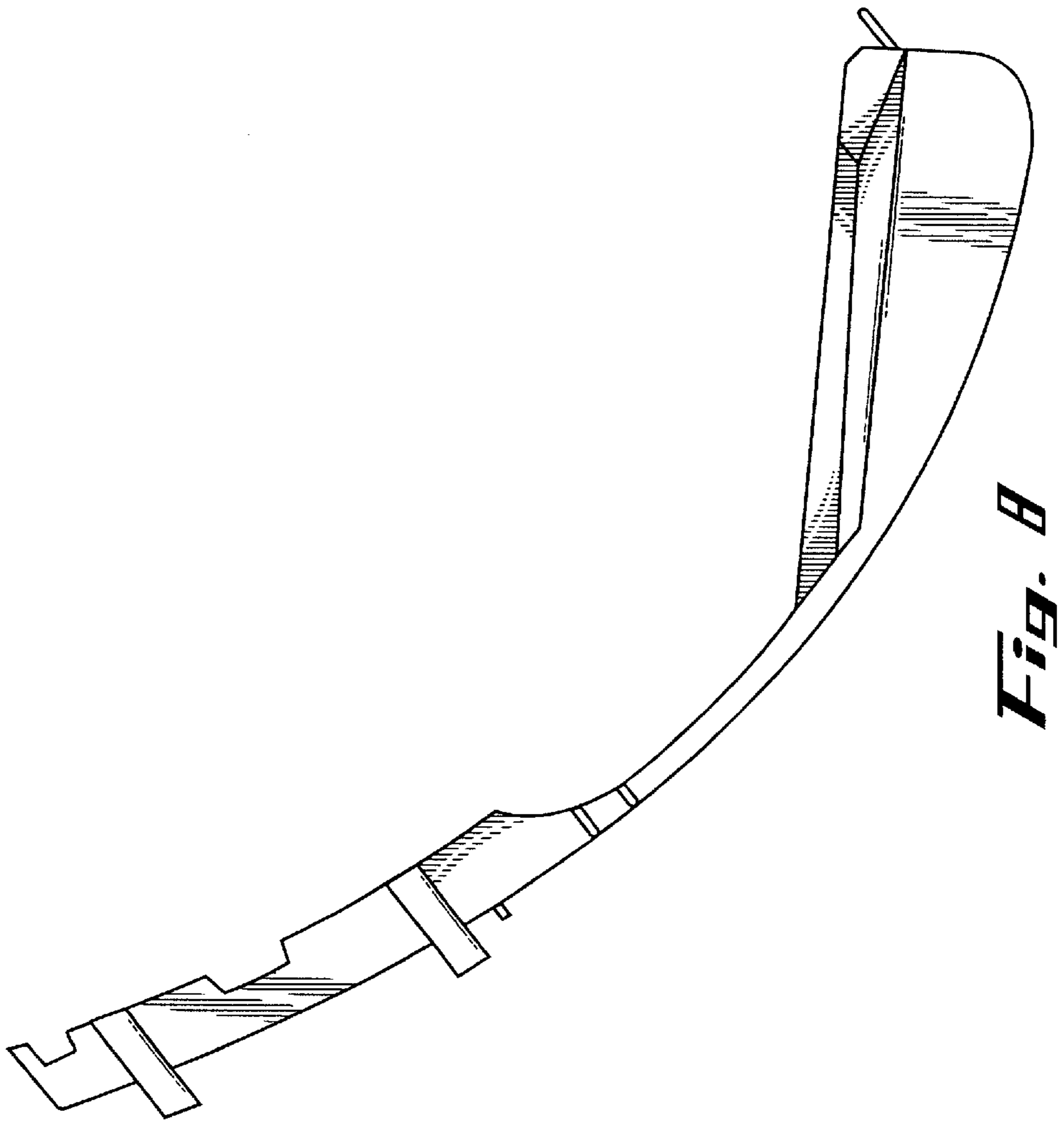


Fig. B

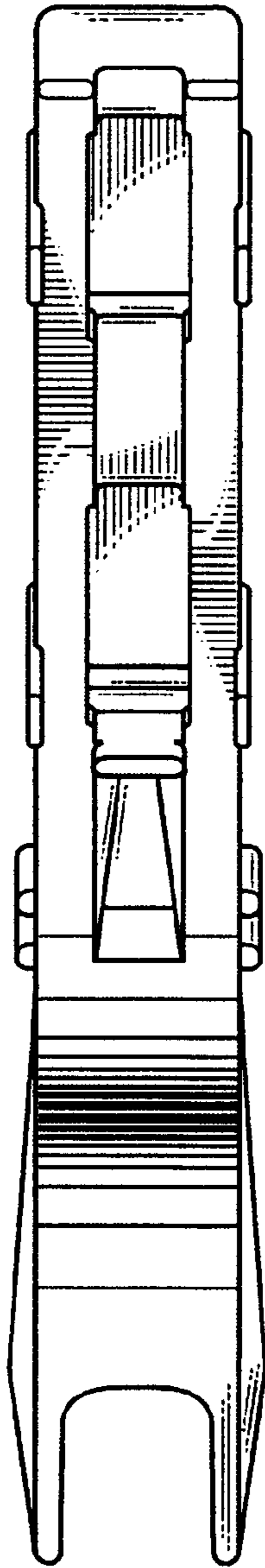


Fig. 9

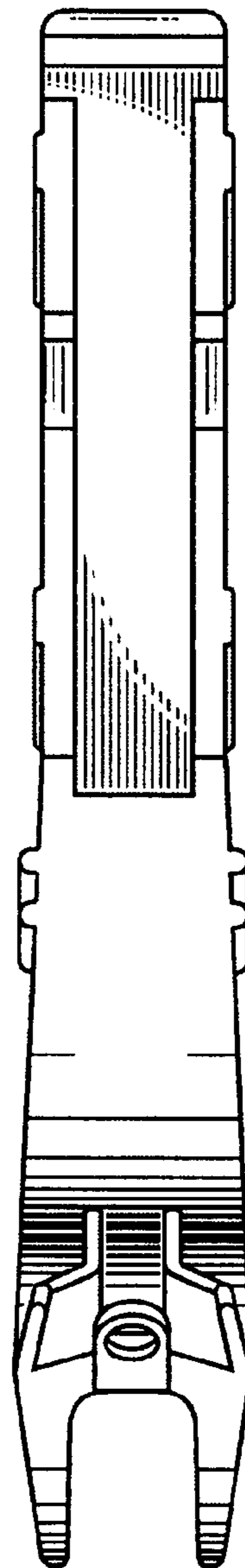


Fig. 10

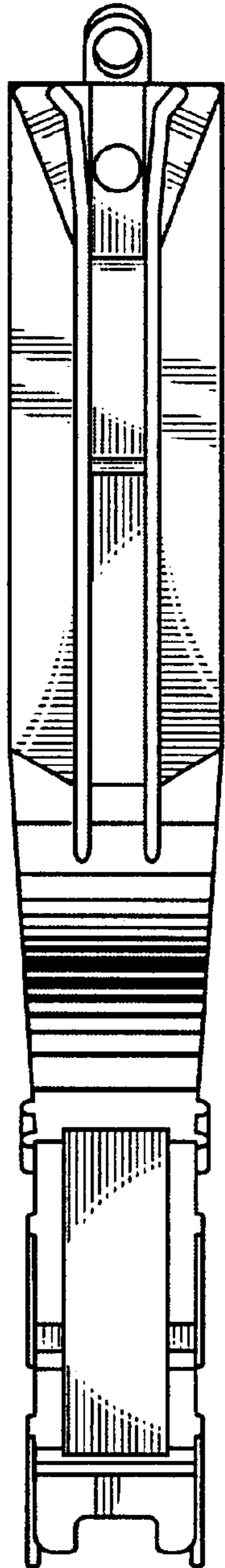


Fig. 11

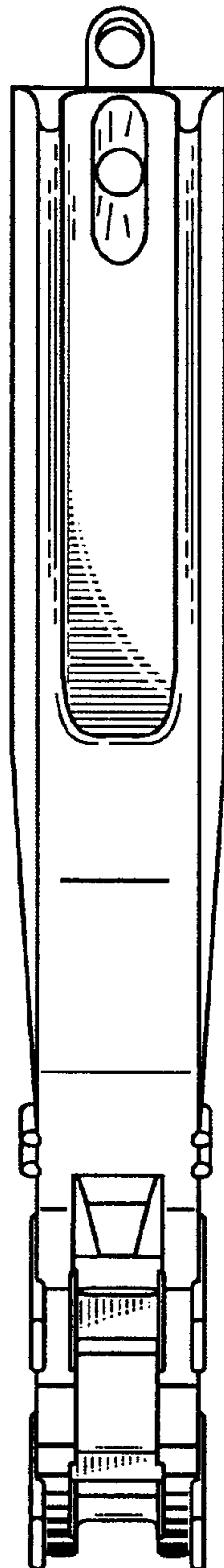


Fig. 12

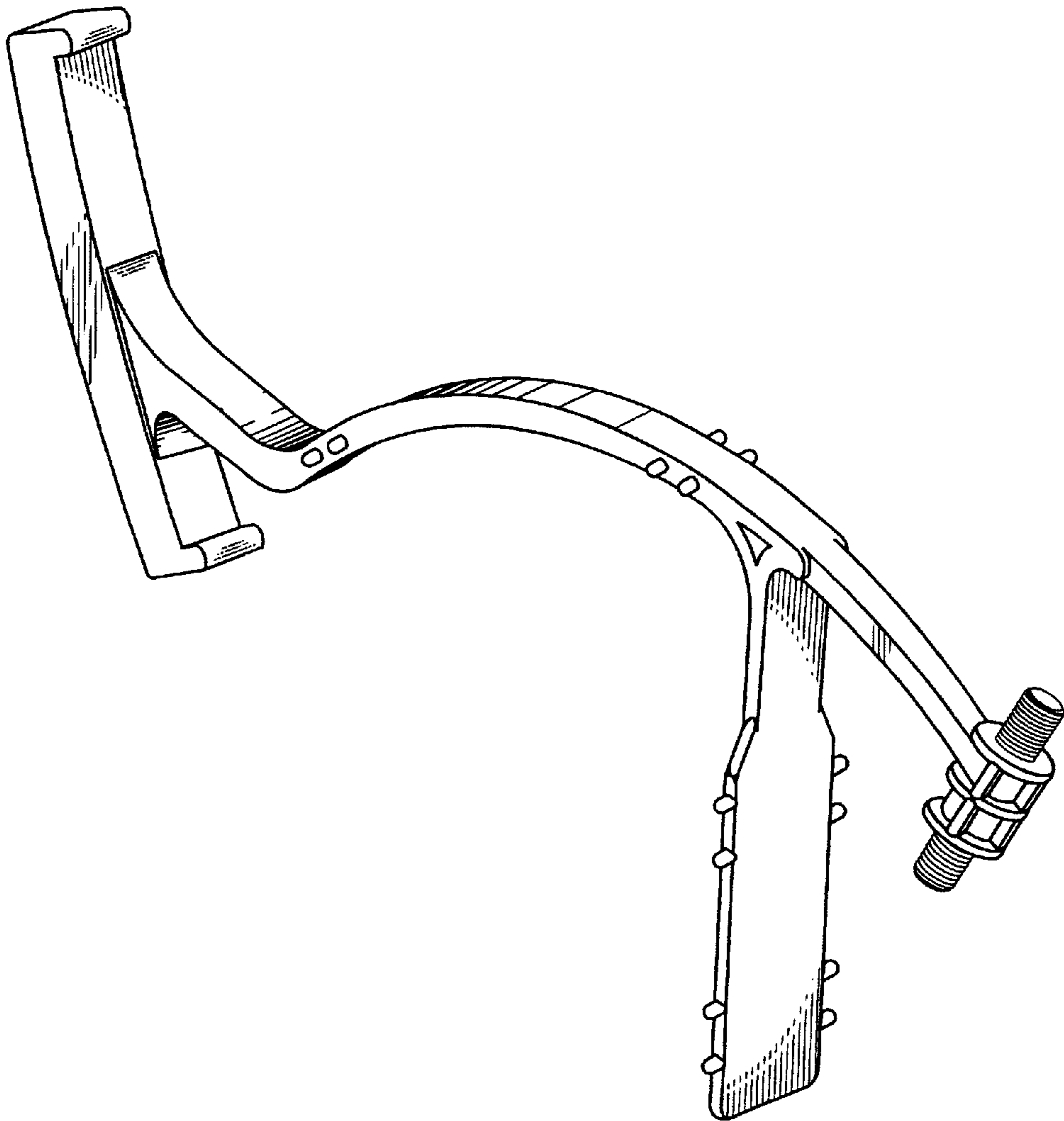


Fig. 13

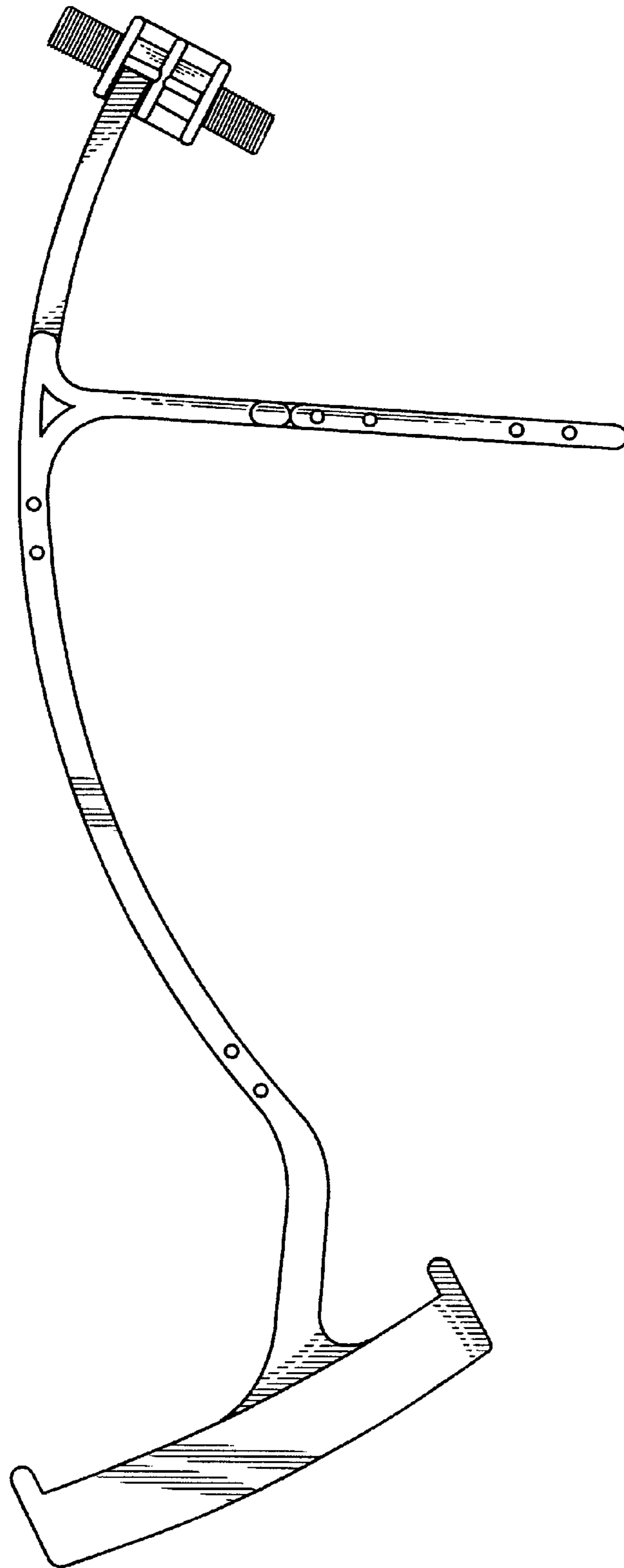


Fig. 14

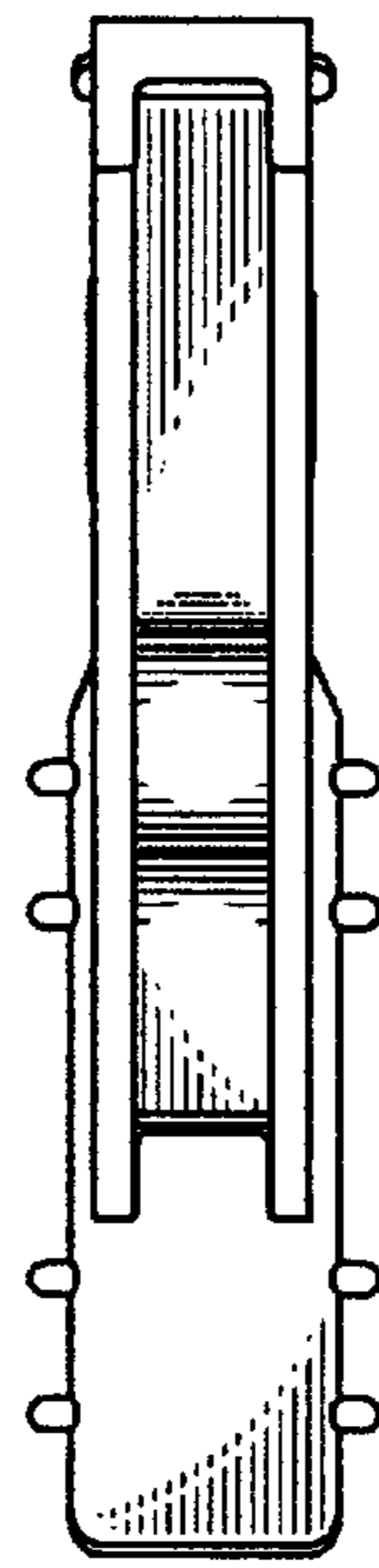
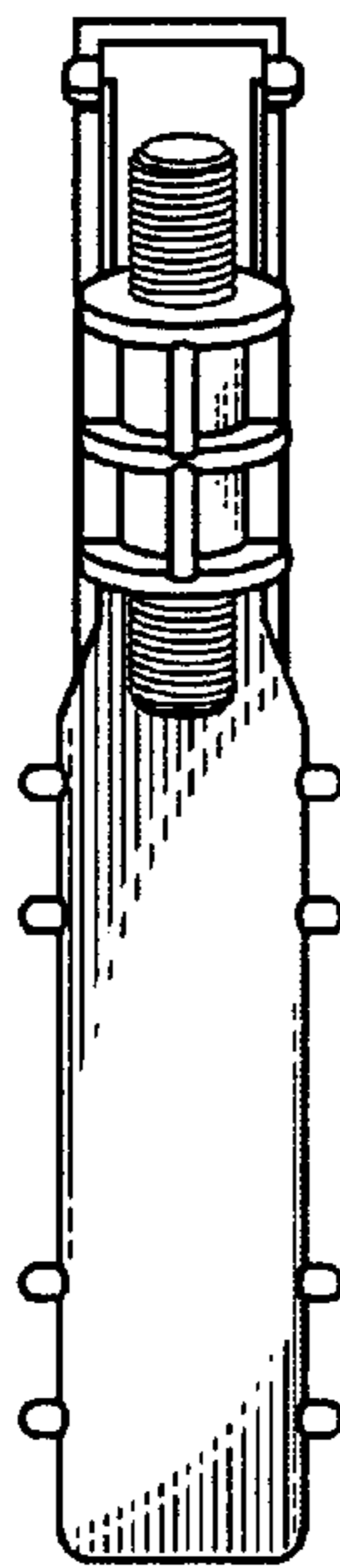


Fig. 15

Fig. 16

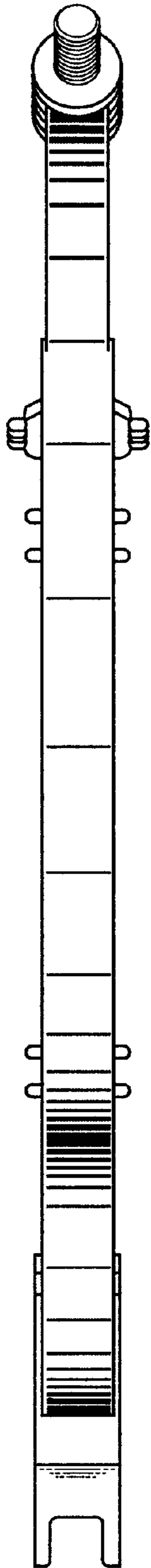


Fig. 17

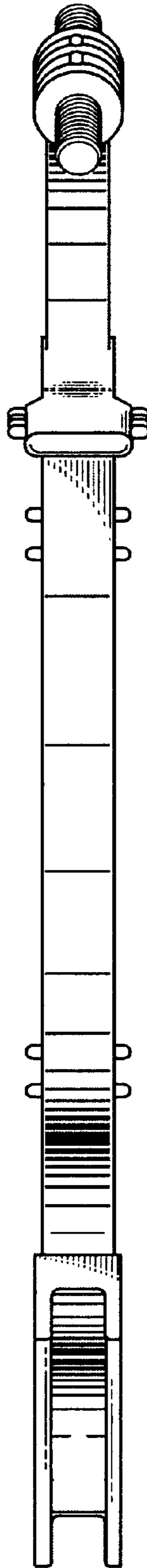


Fig. 18