



US00D471979S

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

(10) **Patent No.:** **US D471,979 S**
(45) **Date of Patent:** **** Mar. 18, 2003**

(54) **NEEDLE ASSEMBLY**

(75) Inventors: **Bradley M. Wilkinson**, North Haledon, NJ (US); **Volker Niermann**, Bound Brook, NJ (US)

(73) Assignee: **Becton, Dickinson and Company**, Franklin Lakes, NJ (US)

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

5,746,215 A * 5/1998 Manjarrez 600/573
RE36,398 E 11/1999 Byrne et al.
RE36,447 E 12/1999 Byrne et al.
6,165,157 A 12/2000 Dillon et al.
6,210,371 B1 * 4/2001 Shaw 604/164.08
D451,998 S * 12/2001 Crawford et al. D24/130
D452,312 S * 12/2001 Crawford et al. D24/130

FOREIGN PATENT DOCUMENTS

JP 8-206195 8/1996

* cited by examiner

Primary Examiner—Ian Simmons
(74) *Attorney, Agent, or Firm*—Gerald E. Hespos; Anthony J. Casella

(21) Appl. No.: **29/157,502**

(22) Filed: **Mar. 19, 2002**

(51) **LOC (7) Cl.** **24-02**

(52) **U.S. Cl.** **D24/130; D24/112**

(58) **Field of Search** D24/130, 112, D24/147, 146, 129; 604/177, 198, 110, 178, 263, 192, 165.03, 164.08, 164.07, 164.04, 164.03, 180, 165.04; 600/573

(57) **CLAIM**

The ornamental design of a needle assembly, as shown and described.

DESCRIPTION

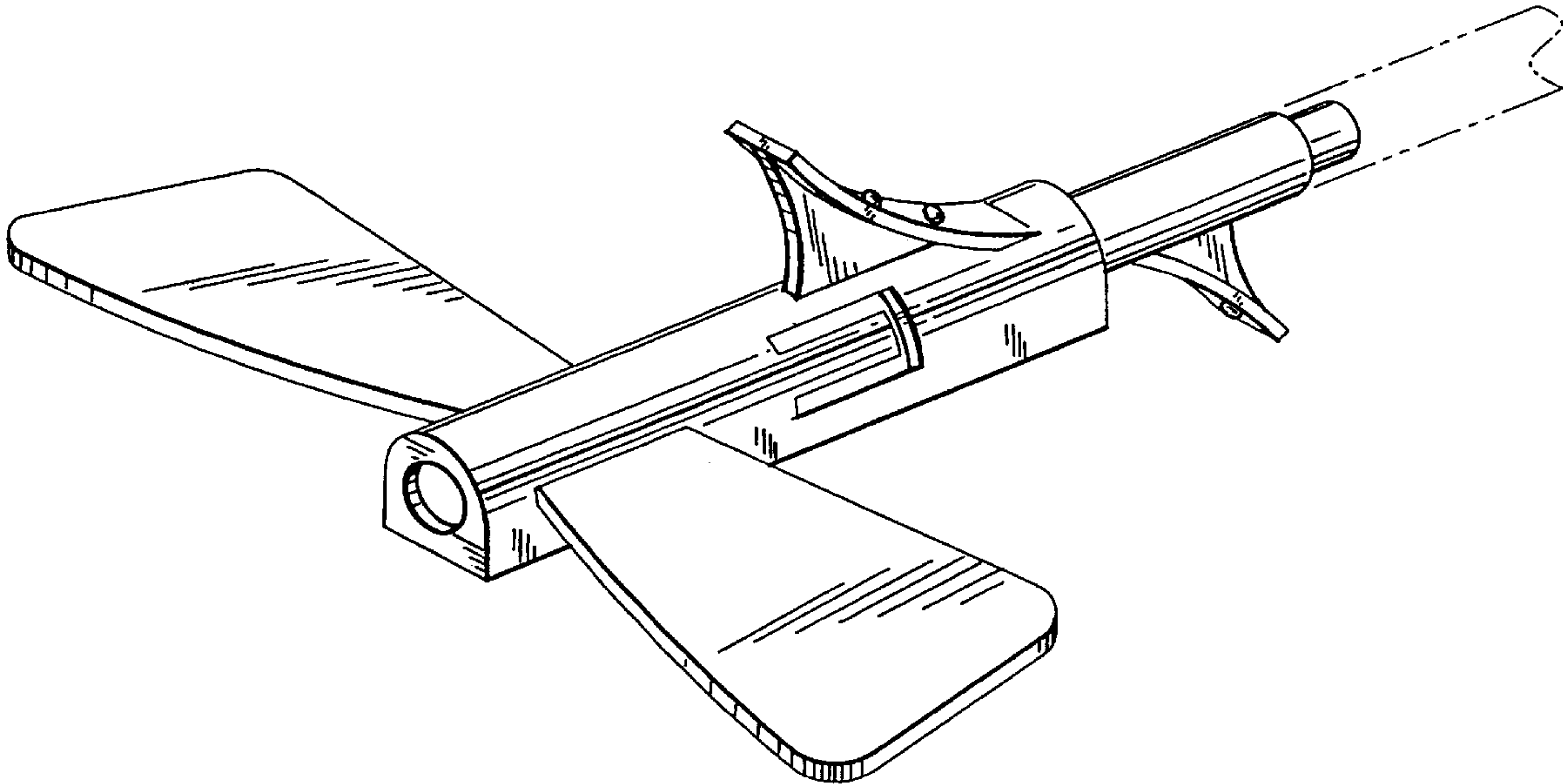
FIG. 1 is a perspective view of a needle assembly showing our design, the broken line showing is for illustrative purposes only and forms no part of the claimed design.
FIG. 2 is a top plan view thereof;
FIG. 3 is an end elevational view as viewed from the right of FIG. 2;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is an end elevational view as viewed from the left of FIG. 2; and,
FIG. 7 is a bottom plan view thereof.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,085,639 A 2/1992 Ryan
5,088,982 A 2/1992 Ryan
5,108,376 A * 4/1992 Bonaldo 604/177
5,112,311 A 5/1992 Utterberg et al.
5,120,320 A 6/1992 Fayngold
5,154,699 A 10/1992 Ryan
5,192,275 A 3/1993 Burns
5,266,072 A 11/1993 Utterberg et al.
5,290,264 A 3/1994 Utterberg
5,562,636 A 10/1996 Utterberg
5,562,637 A 10/1996 Utterberg

1 Claim, 4 Drawing Sheets



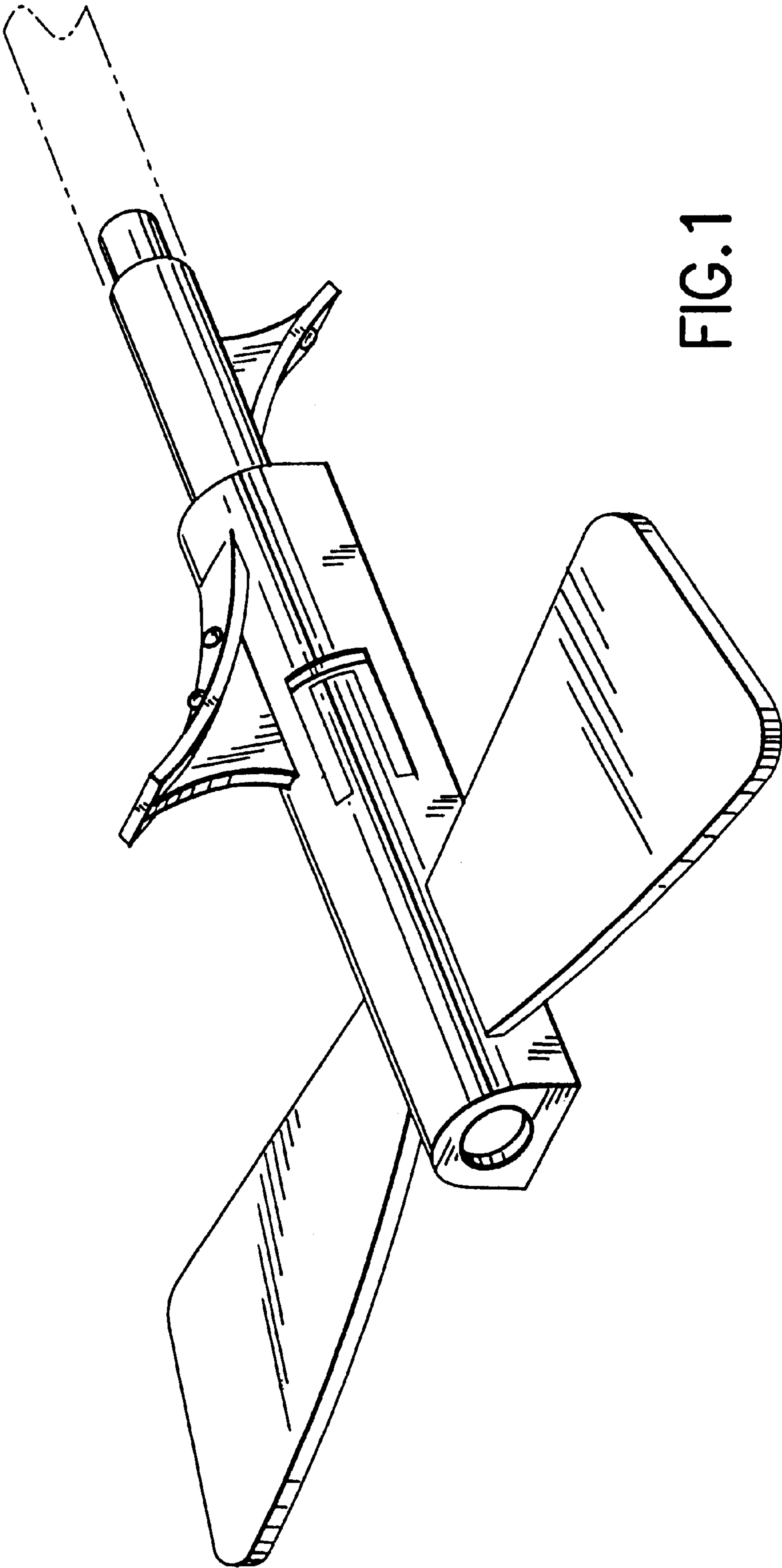


FIG. 1

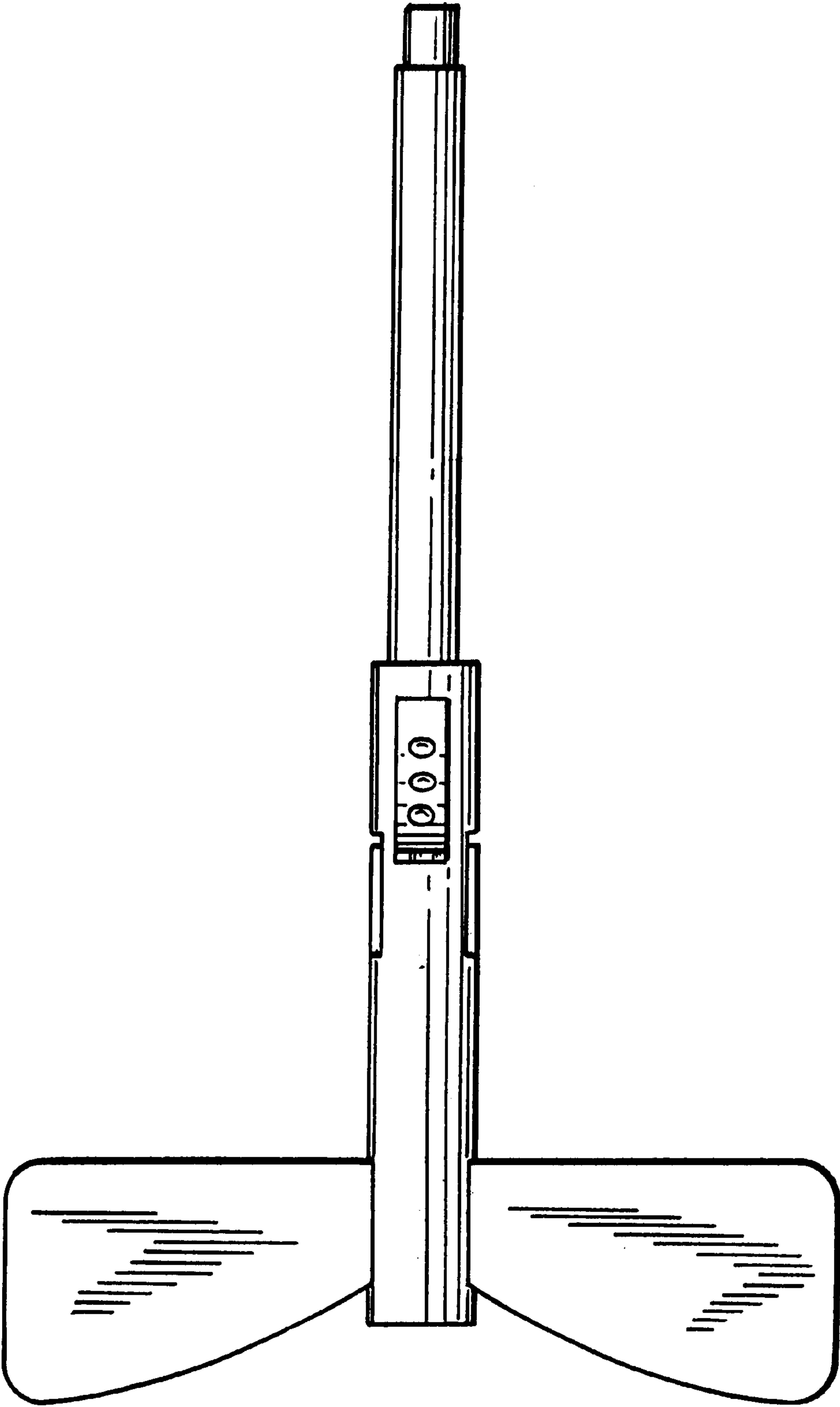


FIG. 2

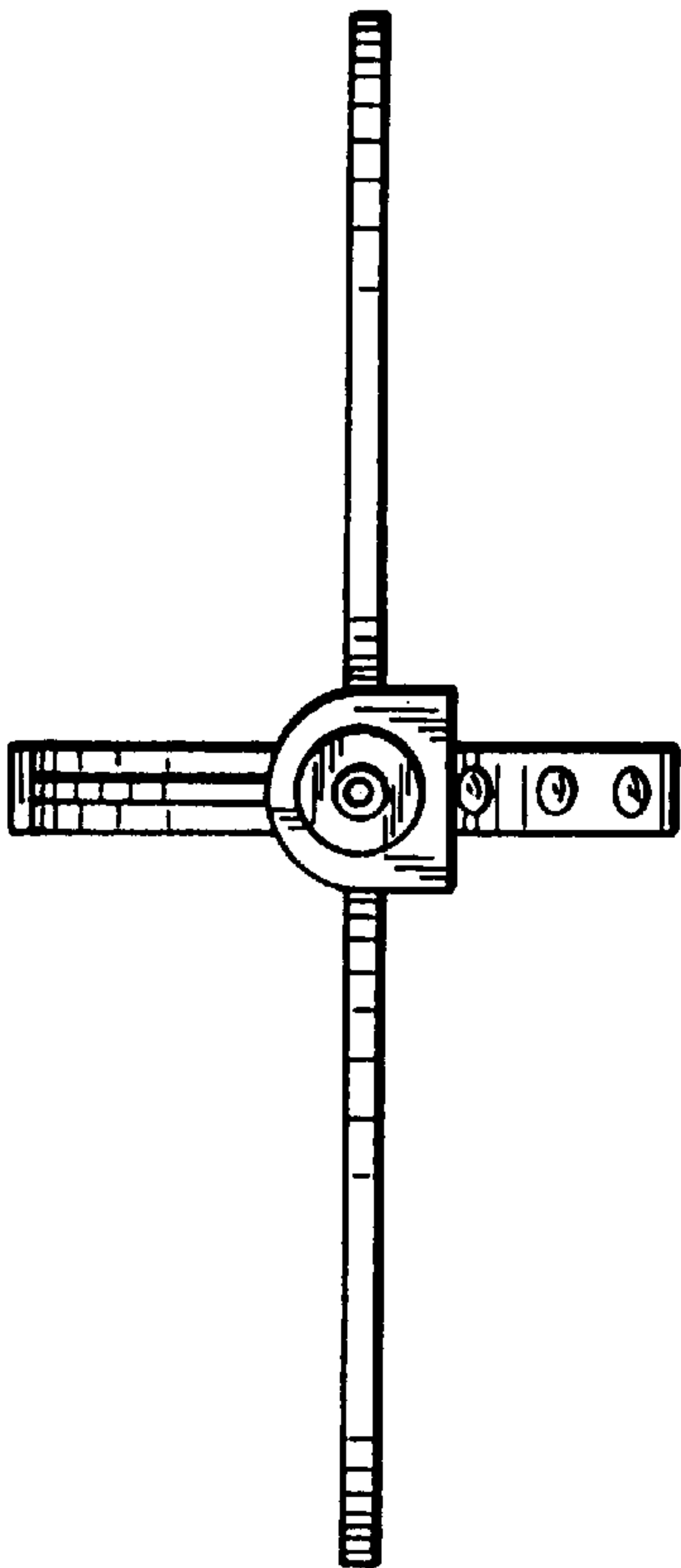


FIG. 6

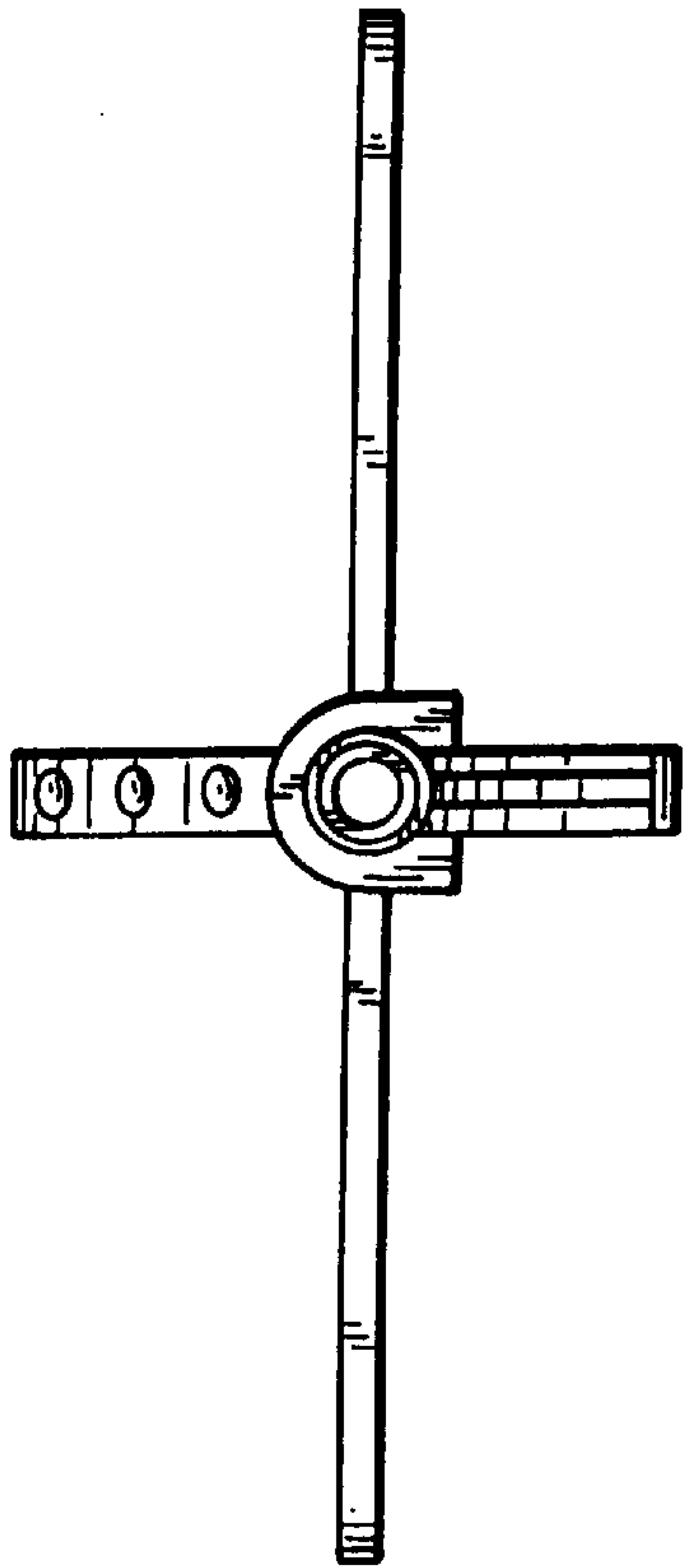


FIG. 3

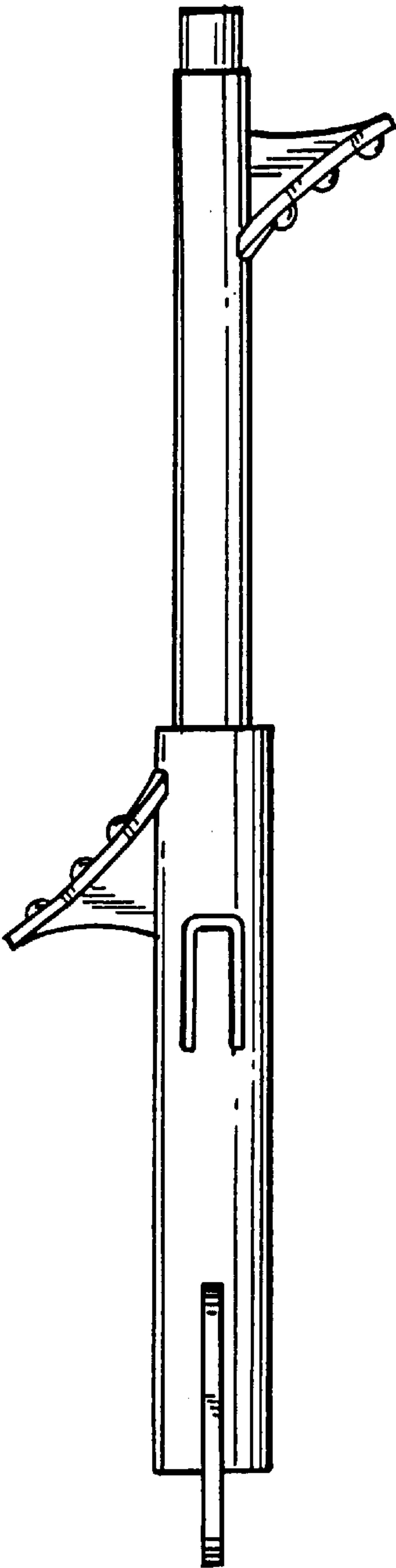


FIG. 4

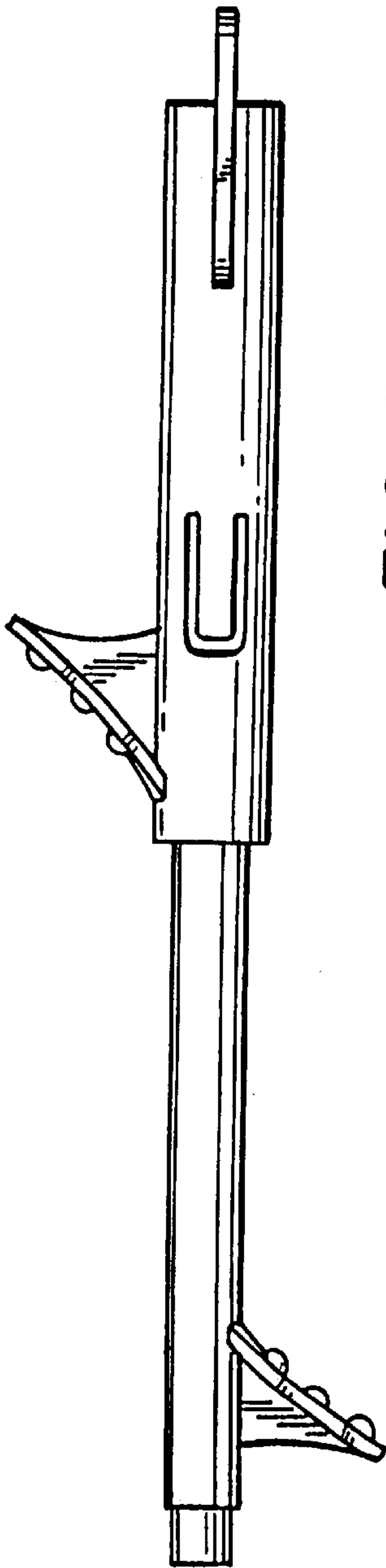


FIG. 5

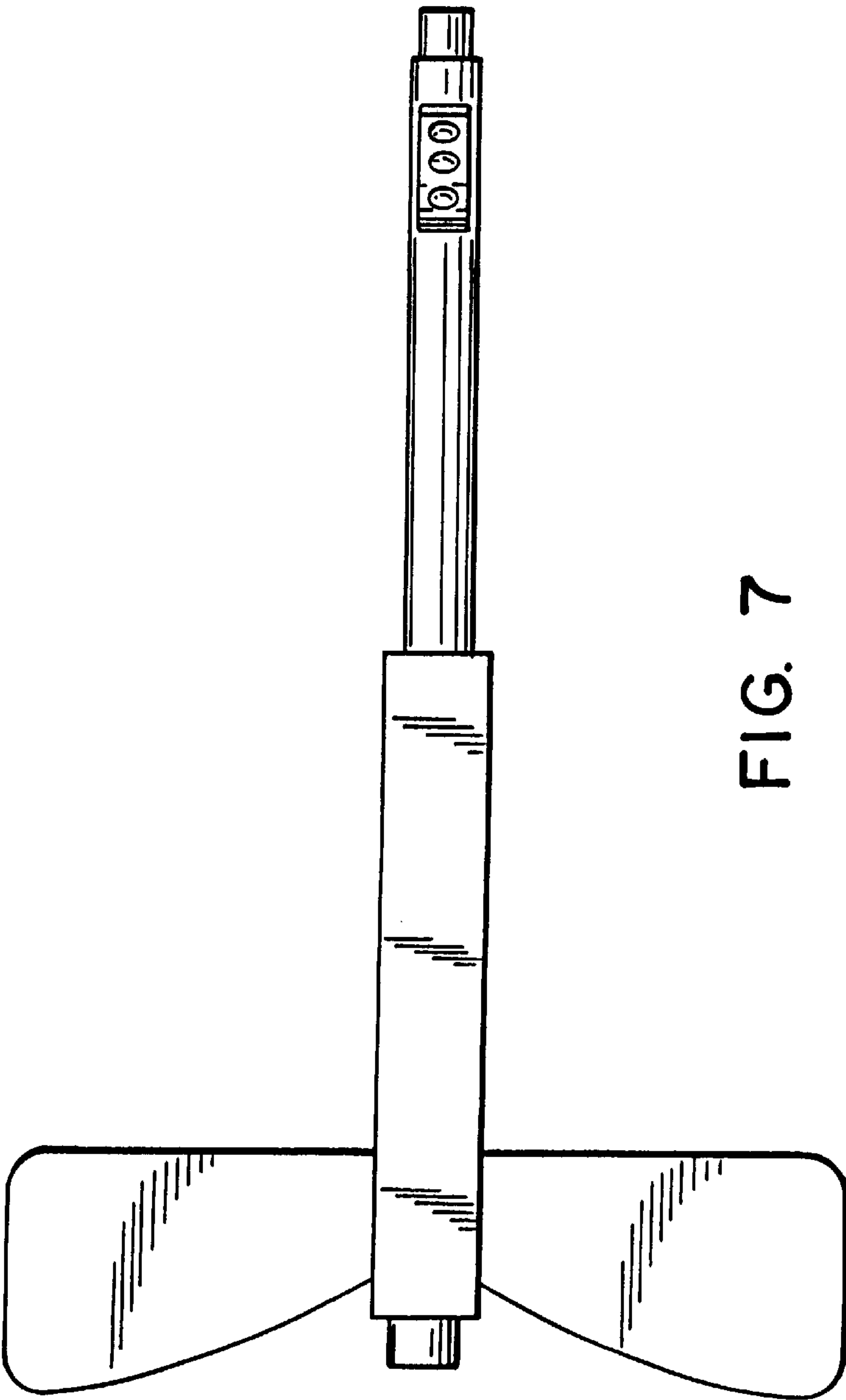


FIG. 7