



US00D474542S

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

(10) **Patent No.:** **US D474,542 S**

(45) **Date of Patent:** **\*\* May 13, 2003**

(54) **X-RAY APPARATUS**

(75) Inventor: **Kari Malmén**, Helsinki (FI)

(73) Assignee: **Planmeca Oy**, Helsinki (FI)

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

(21) Appl. No.: **29/148,713**

(22) Filed: **Sep. 26, 2001**

(51) **LOC (7) Cl.** ..... **24-01**

(52) **U.S. Cl.** ..... **D24/158**

(58) **Field of Search** ..... D24/158; 378/38,  
378/39, 40, 168, 197

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D272,385 S	*	1/1984	Nakano et al.	.....	D24/158
5,058,147 A	*	10/1991	Nishikawa et al.	.....	378/38
D323,892 S	*	2/1992	Spoljaric	.....	D24/158
5,642,392 A	*	6/1997	Nakano et al.	.....	378/38
D417,503 S	*	12/1999	Spoljaric	.....	D24/158
6,052,428 A	*	4/2000	Nakano et al.	.....	378/38

6,169,780 B1 \* 1/2001 Yoshimura et al. .... 378/39

\* cited by examiner

*Primary Examiner*—Stella Reid

(74) *Attorney, Agent, or Firm*—Steinberg & Raskin, P.C.

(57) **CLAIM**

I claim the ornamental design for an X-ray apparatus, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view an X-ray apparatus, showing my new design;

FIG. 2 is a front view thereof;

FIG. 3 is a a top plan view thereof;

FIG. 4 is a left side view thereof;

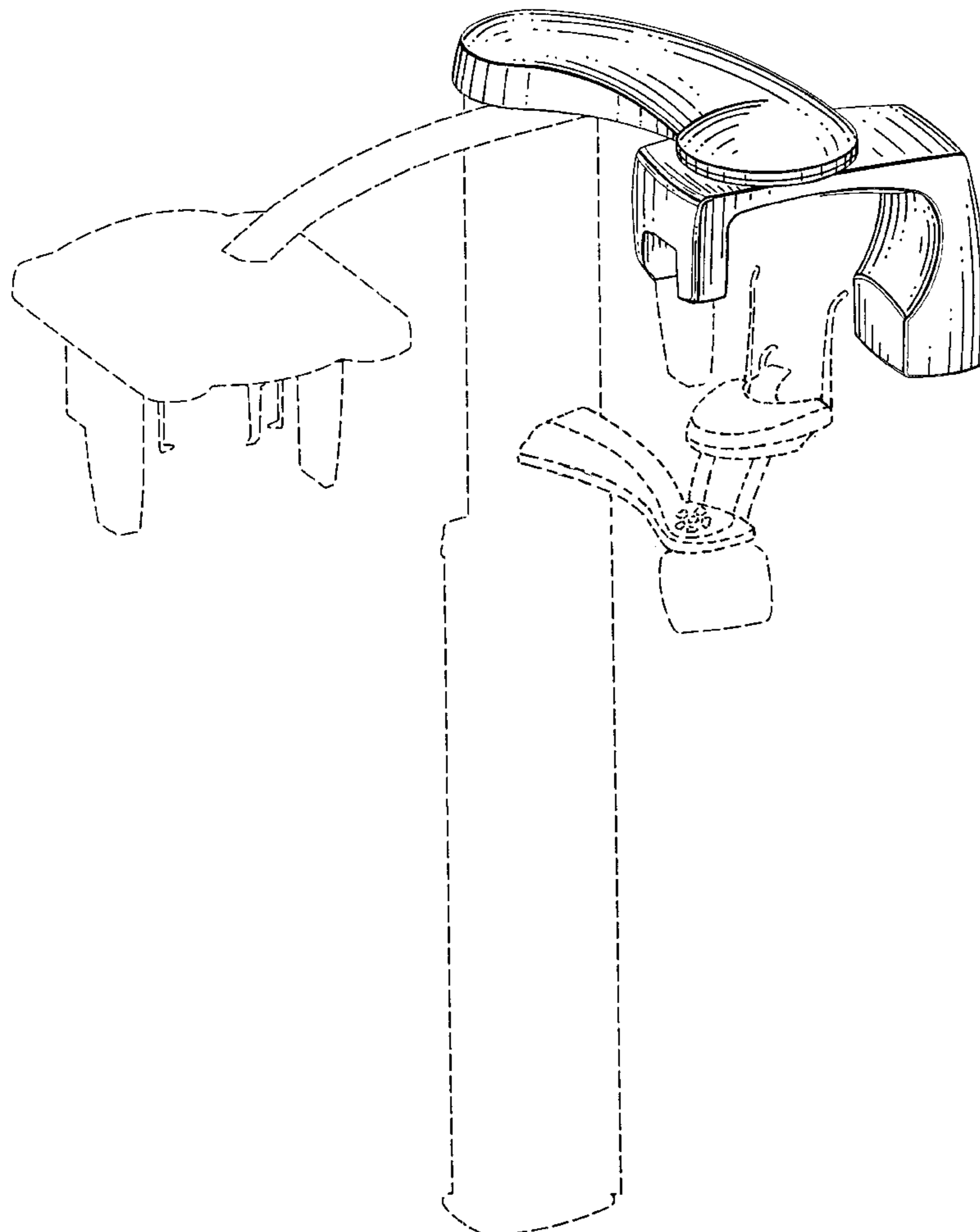
FIG. 5 is a right side view thereof;

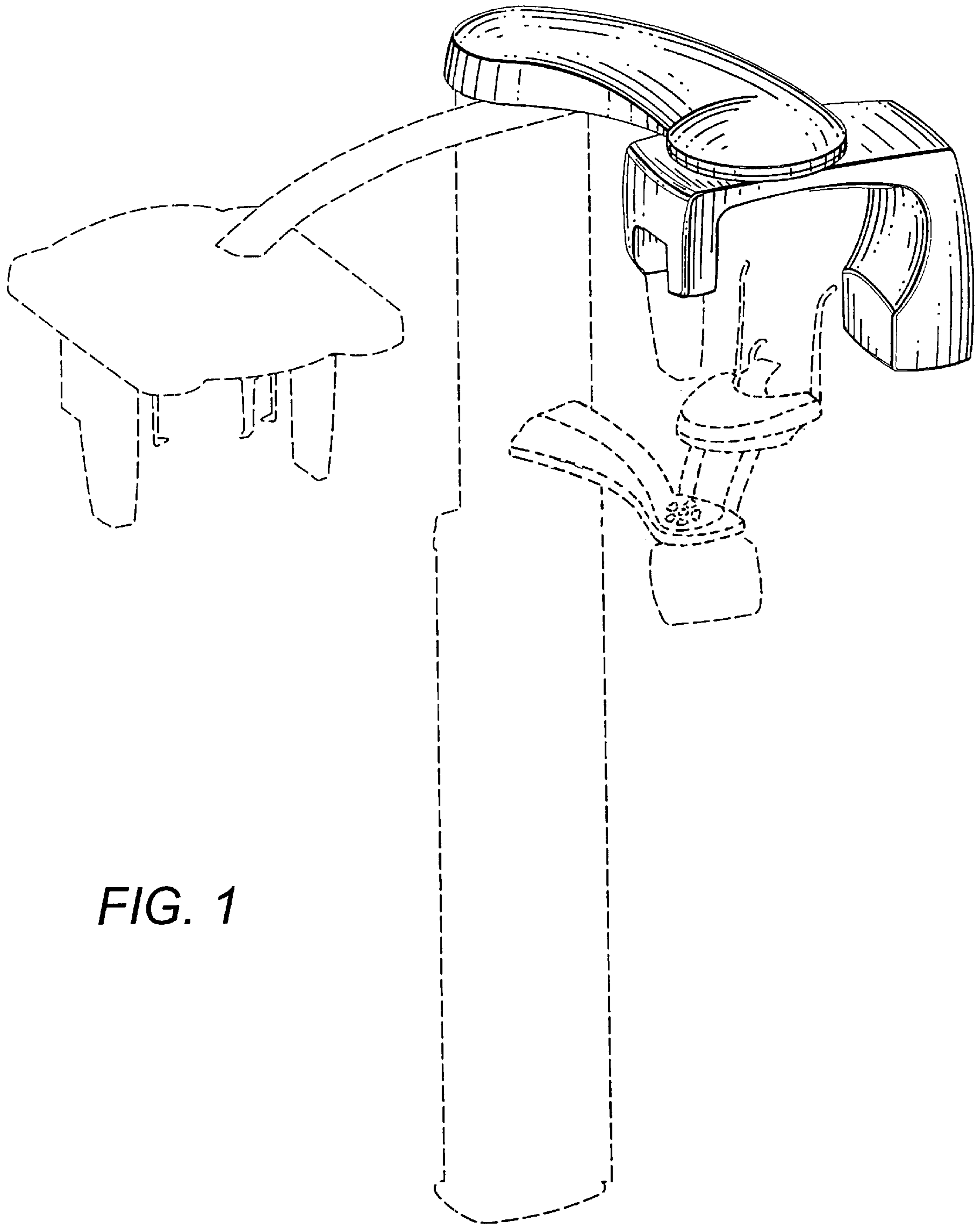
FIG. 6 is a rear view thereof; and,

FIG. 7 is a bottom plan view thereof.

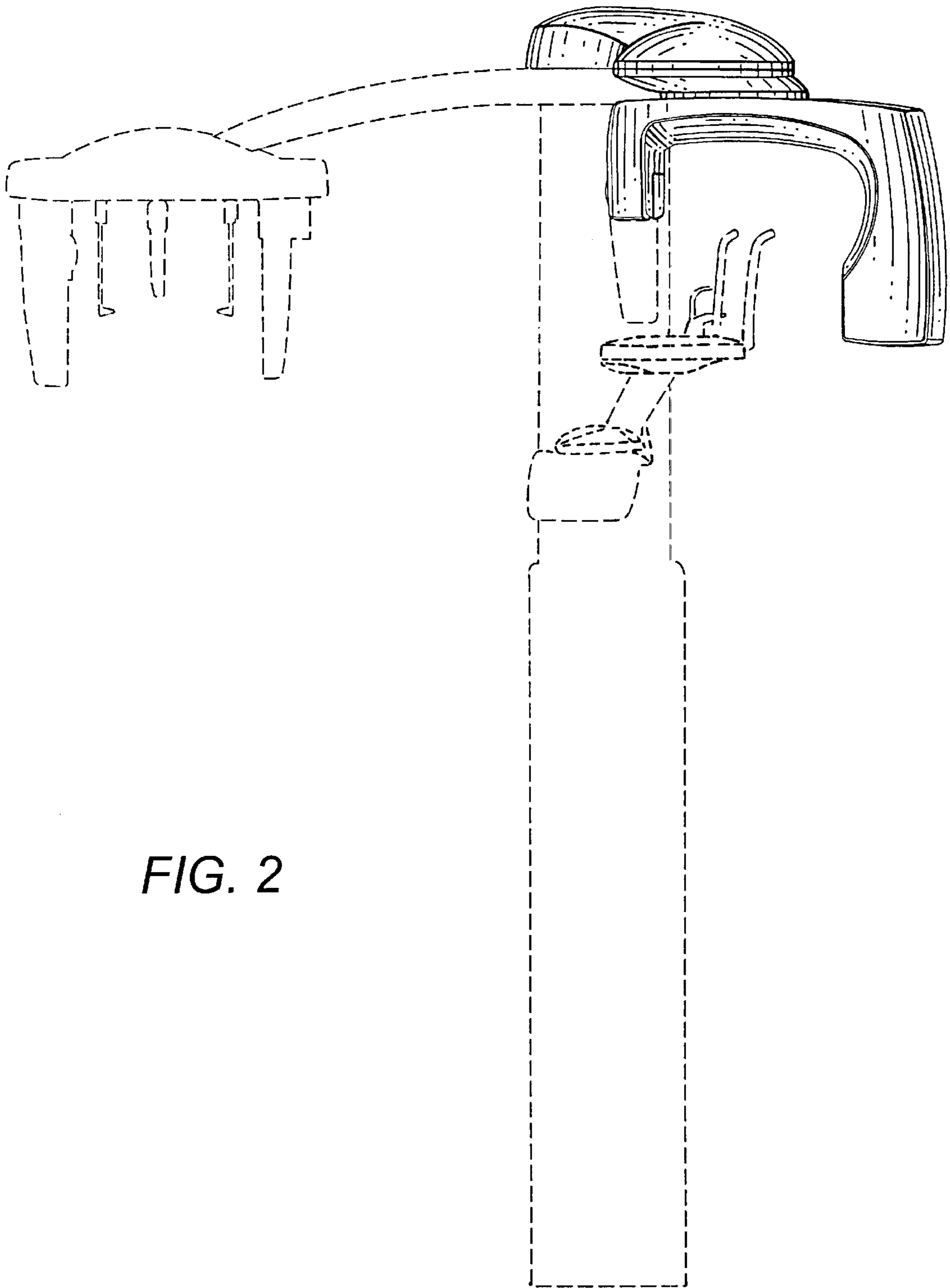
The broken line showing of is for illustrative purposes only and forms no part of the claimed design.

**1 Claim, 7 Drawing Sheets**

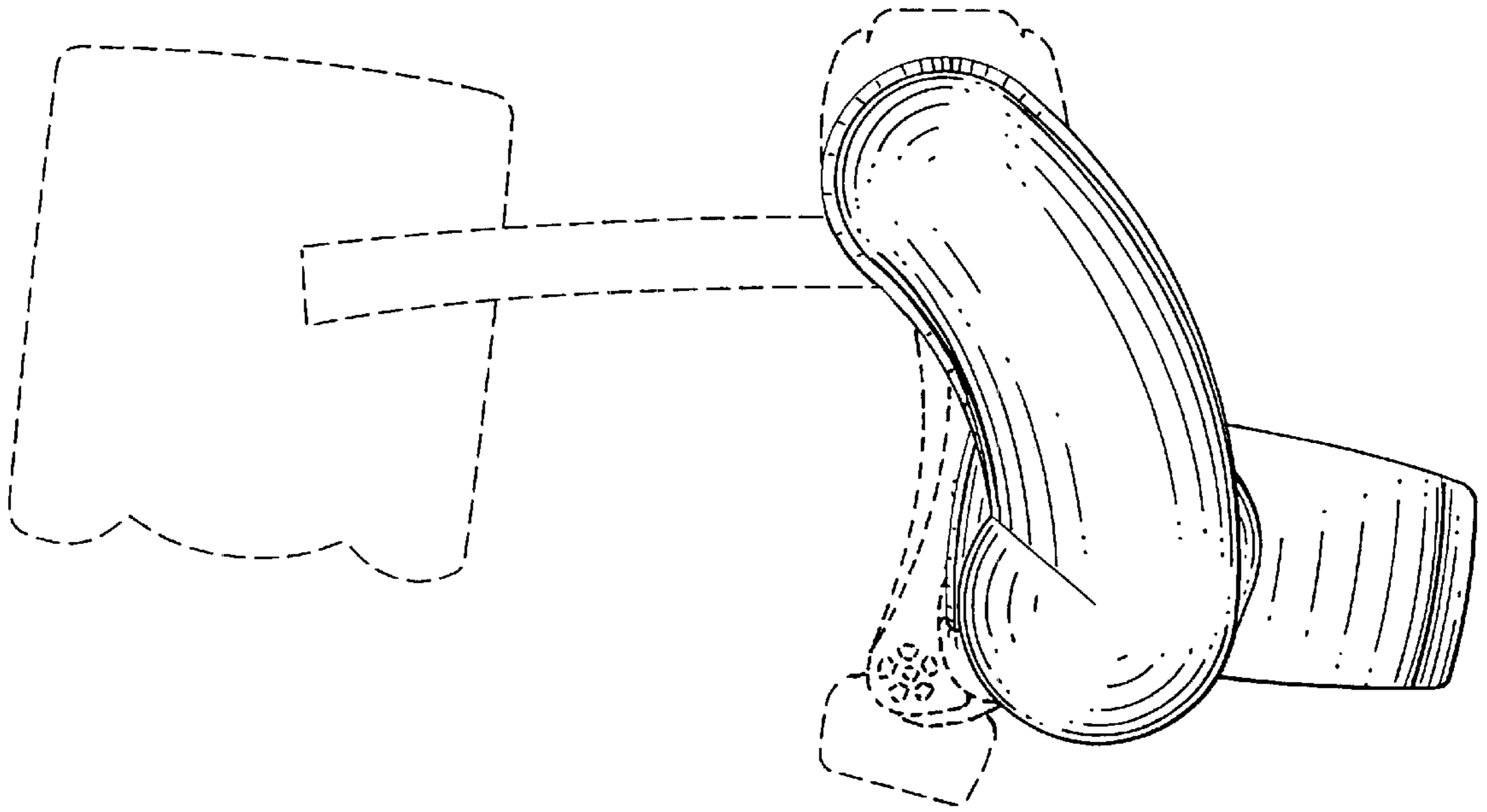




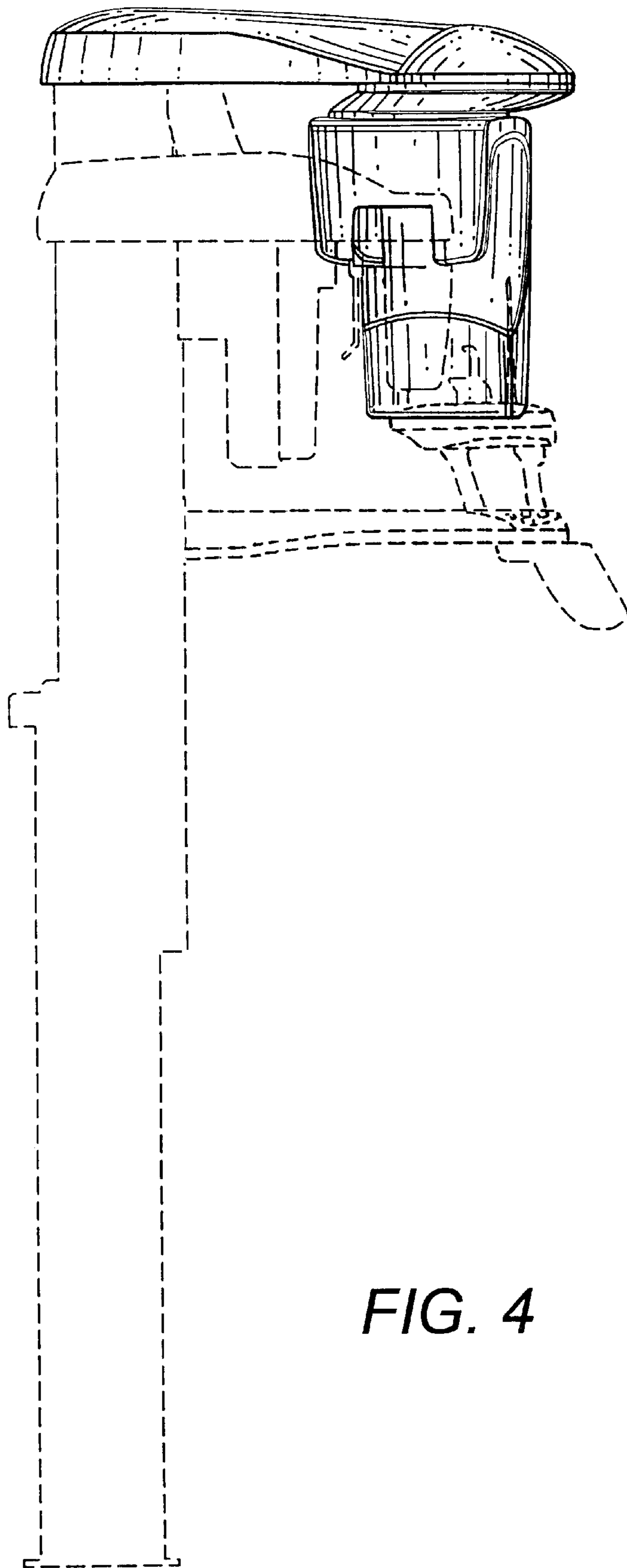
*FIG. 1*



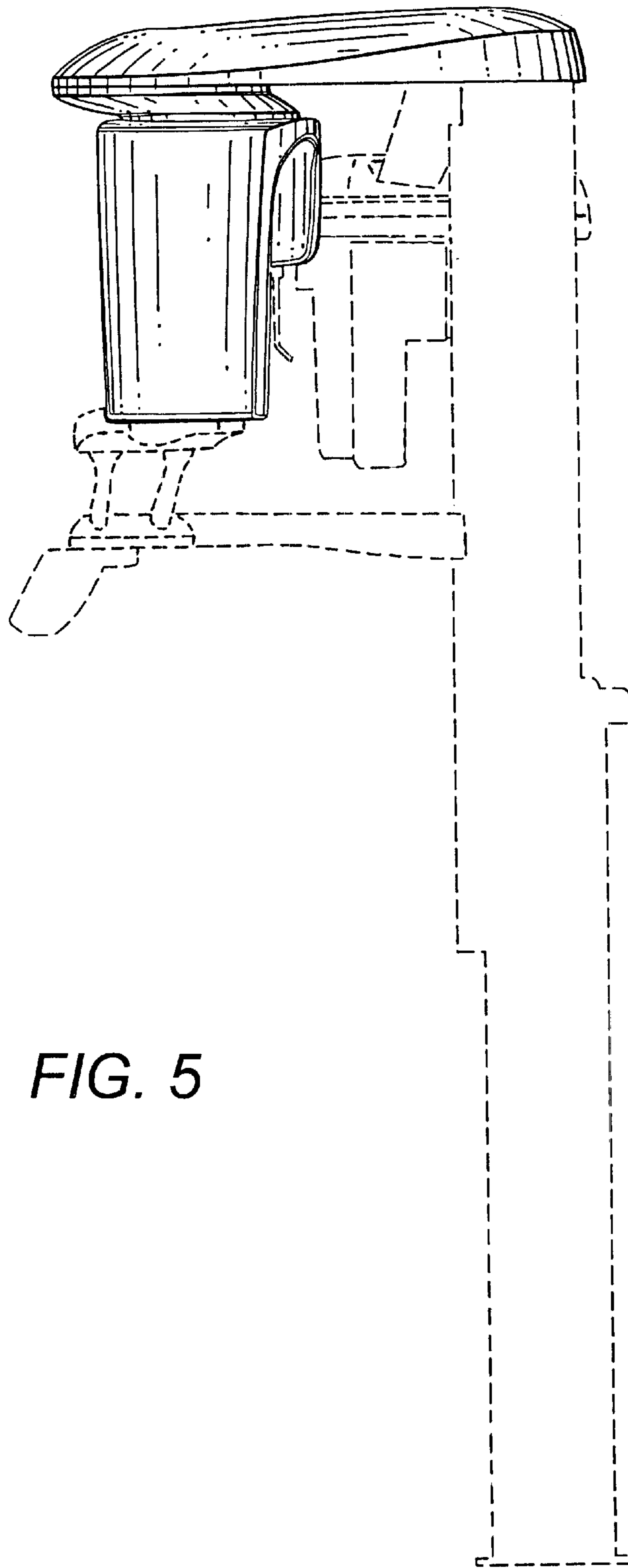
*FIG. 2*



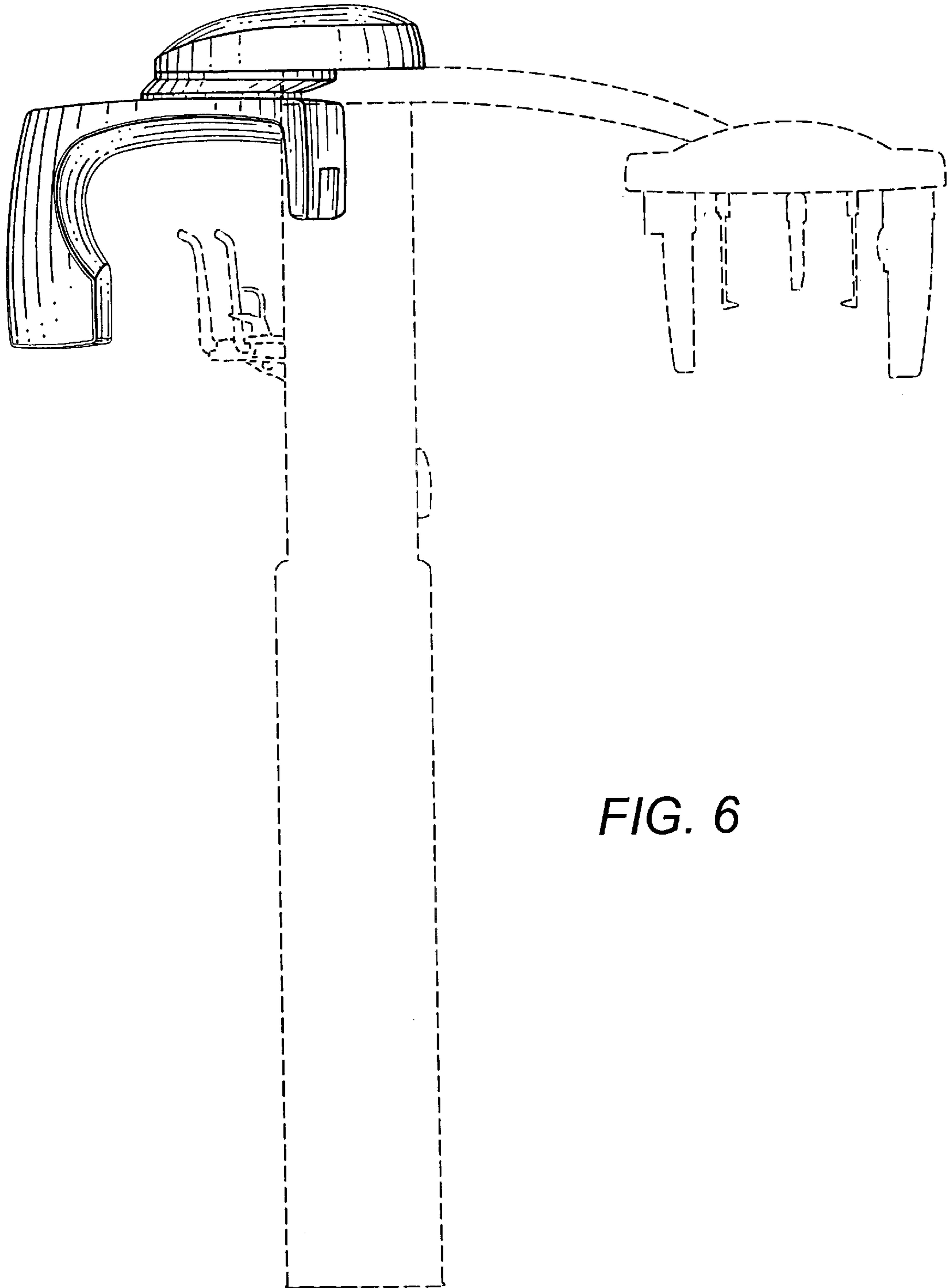
*FIG. 3*



**FIG. 4**



*FIG. 5*



*FIG. 6*

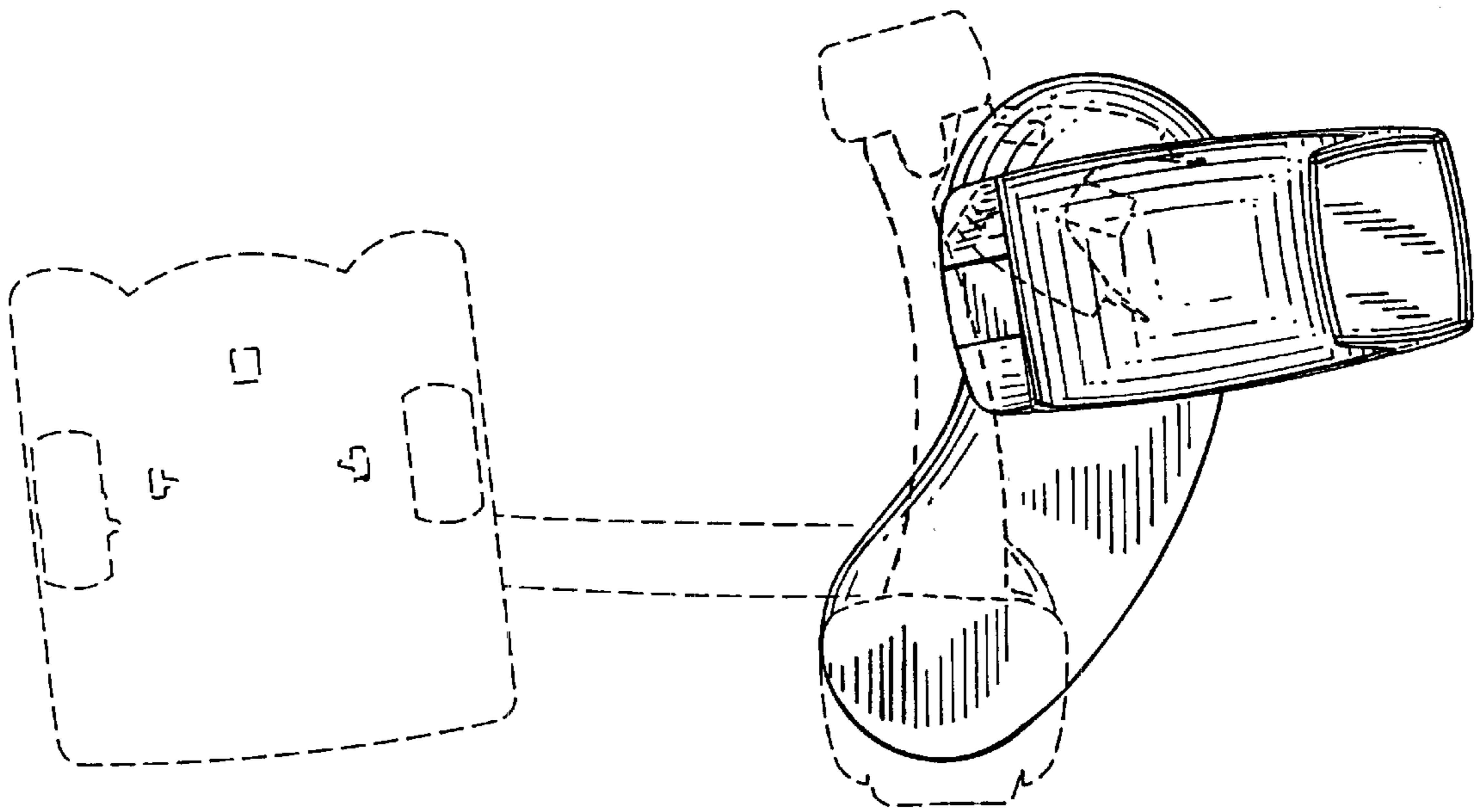


FIG. 7