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(12) **United States Design Patent** (10) **Patent No.:** **US D794,079 S**  
**Vaninetti et al.** (45) **Date of Patent:** **\*\* Aug. 8, 2017**

(54) **TILLER HAVING HAPTIC THROTTLE POSITION INDICATION**

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(73) Assignee: **Brunswick Corporation**, Lake Forest, IL (US)

(\*\*) Term: **15 Years**

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(52) **U.S. Cl.**  
USPC ..... **D15/4**

(58) **Field of Classification Search**  
USPC ..... D15/4, 5; 114/114 R, 146; 74/480 B, 74/483 R, 491, 492, 481, 523, 543; D12/317; 440/84, 86, 87, 63, 53  
CPC ..... B63H 21/213; B63H 21/00; B63H 21/22; B63H 20/007; B63H 20/00; B63H 20/10; B63H 20/12; B63H 25/42  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D276,811 S \* 12/1984 Wolfe ..... D15/4  
4,496,326 A 1/1985 Boda  
4,582,493 A \* 4/1986 Toyohara ..... B63H 21/265  
440/84  
4,650,429 A \* 3/1987 Boda ..... B63H 21/265  
440/87  
D295,867 S \* 5/1988 Walsh ..... D15/4  
4,878,468 A 11/1989 Boda et al.  
5,340,342 A 8/1994 Boda et al.

5,632,657 A 5/1997 Henderson  
D380,478 S \* 7/1997 Robbins ..... D15/4  
6,020,563 A \* 2/2000 Risk, Jr. .... B60Q 1/1476  
200/61.54  
6,093,066 A \* 7/2000 Isogawa ..... B63H 21/265  
440/63  
6,264,516 B1 7/2001 McEathron et al.  
6,406,342 B1 6/2002 Walczak et al.  
6,902,450 B2 \* 6/2005 Ohtsuki ..... F02B 61/045  
440/63  
7,090,551 B1 8/2006 Lokken et al.  
D527,737 S \* 9/2006 Iekura ..... D15/4  
7,214,113 B2 \* 5/2007 Kojima ..... B63H 21/213  
440/87

(Continued)

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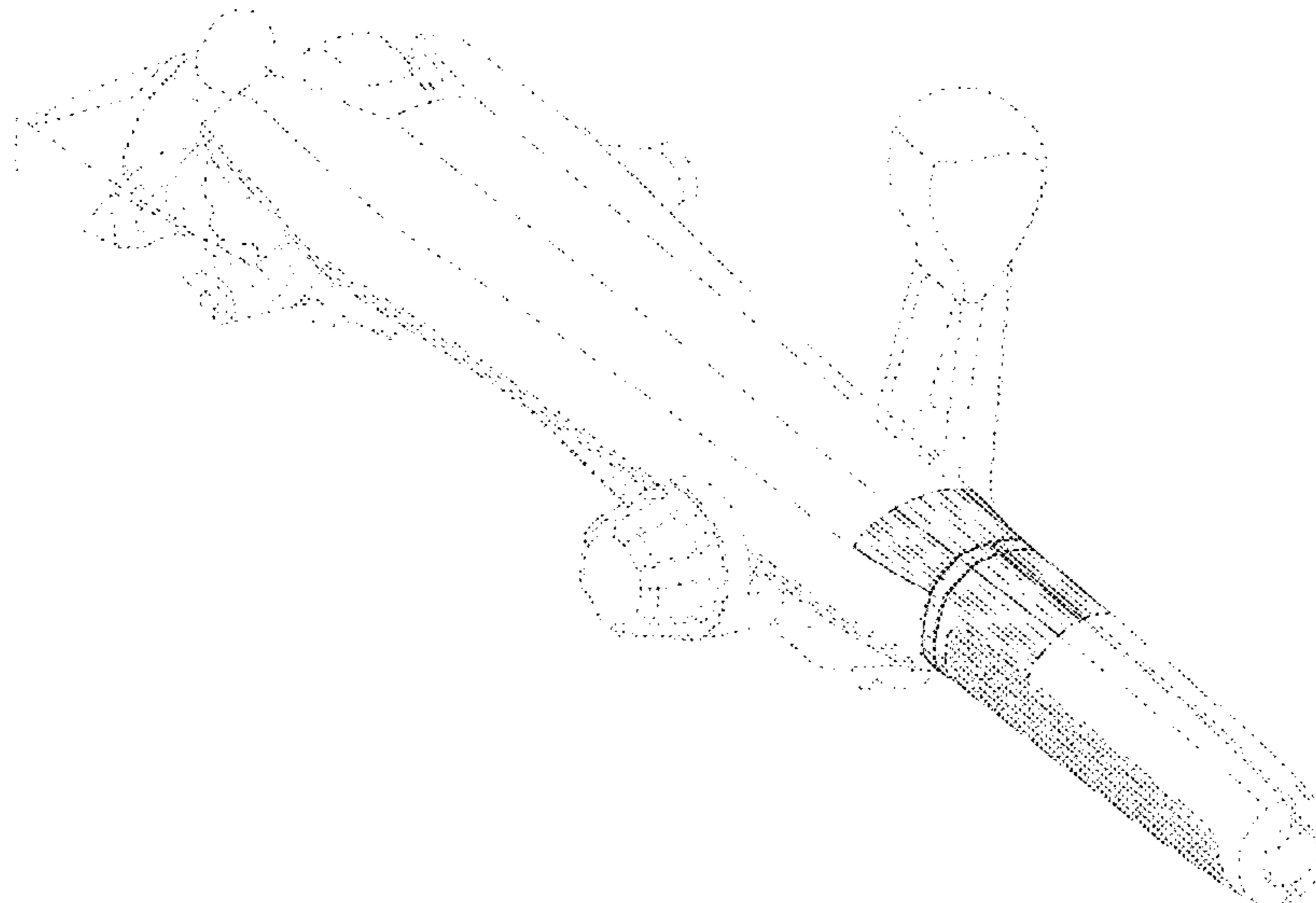
(57) **CLAIM**

The ornamental design for a tiller having haptic throttle position indication, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a tiller having haptic throttle position indication showing our new design.  
FIG. 2 is a close up perspective thereof.  
FIG. 3 is a left side view thereof.  
FIG. 4 is a close up left side view thereof.  
FIG. 5 is a right side view thereof.  
FIG. 6 is a front end view thereof.  
FIG. 7 is a rear end view thereof.  
FIG. 8 is a top view thereof.  
FIG. 9 is a close up top view thereof.  
FIG. 10 is a bottom view thereof; and,  
FIG. 11 is a close up bottom view thereof.  
Portions of the tiller which are shown in broken line are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



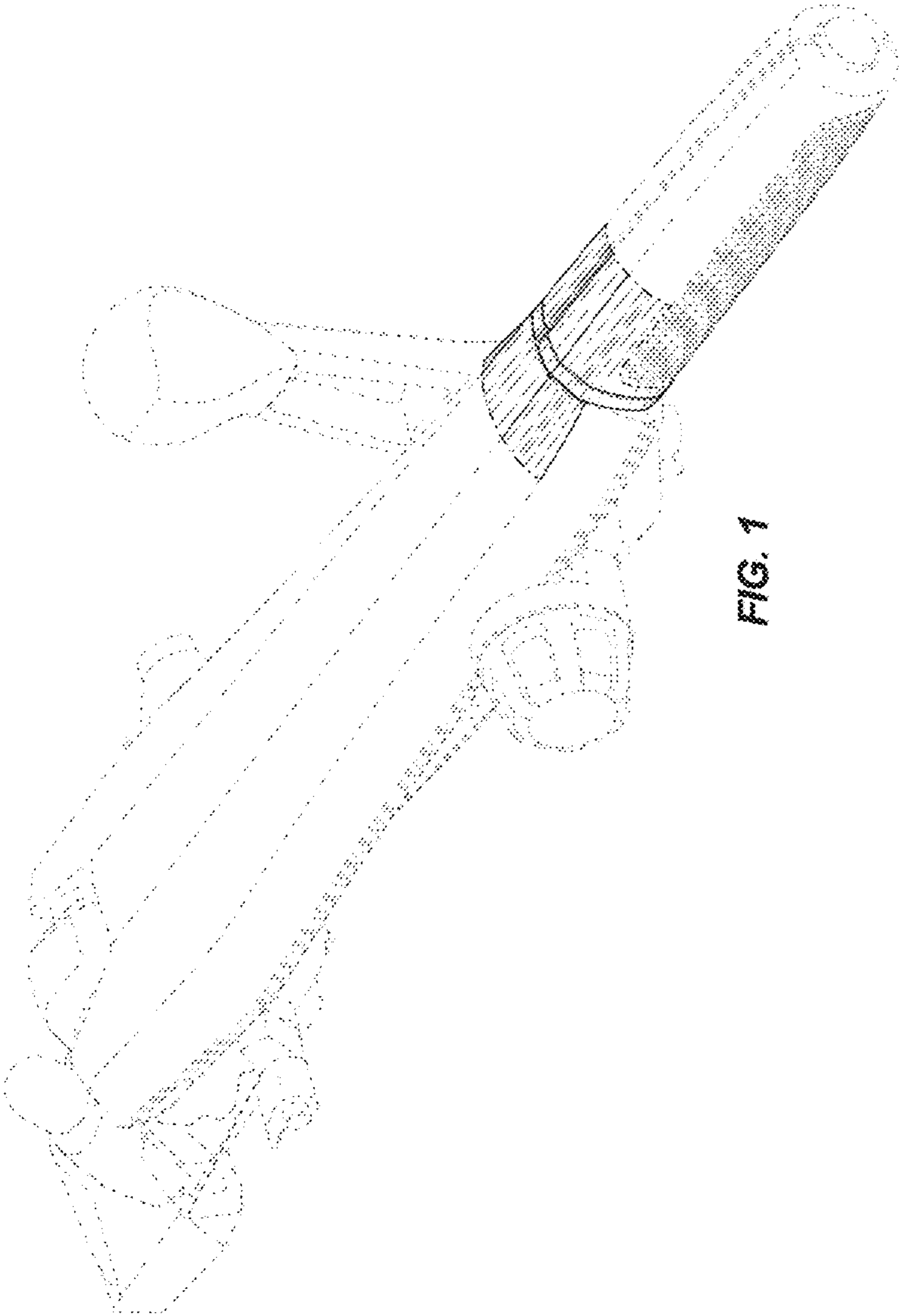
(56)

**References Cited**

U.S. PATENT DOCUMENTS

D552,129 S \* 10/2007 Steinberg ..... D15/4  
D611,501 S 3/2010 Vignau et al.  
D611,502 S 3/2010 Vignau et al.  
7,677,938 B2 3/2010 Wiatrowski et al.  
7,704,110 B2 4/2010 Wiatrowski et al.  
7,895,959 B1 3/2011 Angel et al.  
D655,308 S \* 3/2012 Steinberg ..... D15/4  
8,257,122 B1 9/2012 Holley  
9,422,045 B2 \* 8/2016 Kinpara ..... B63H 20/007

\* cited by examiner



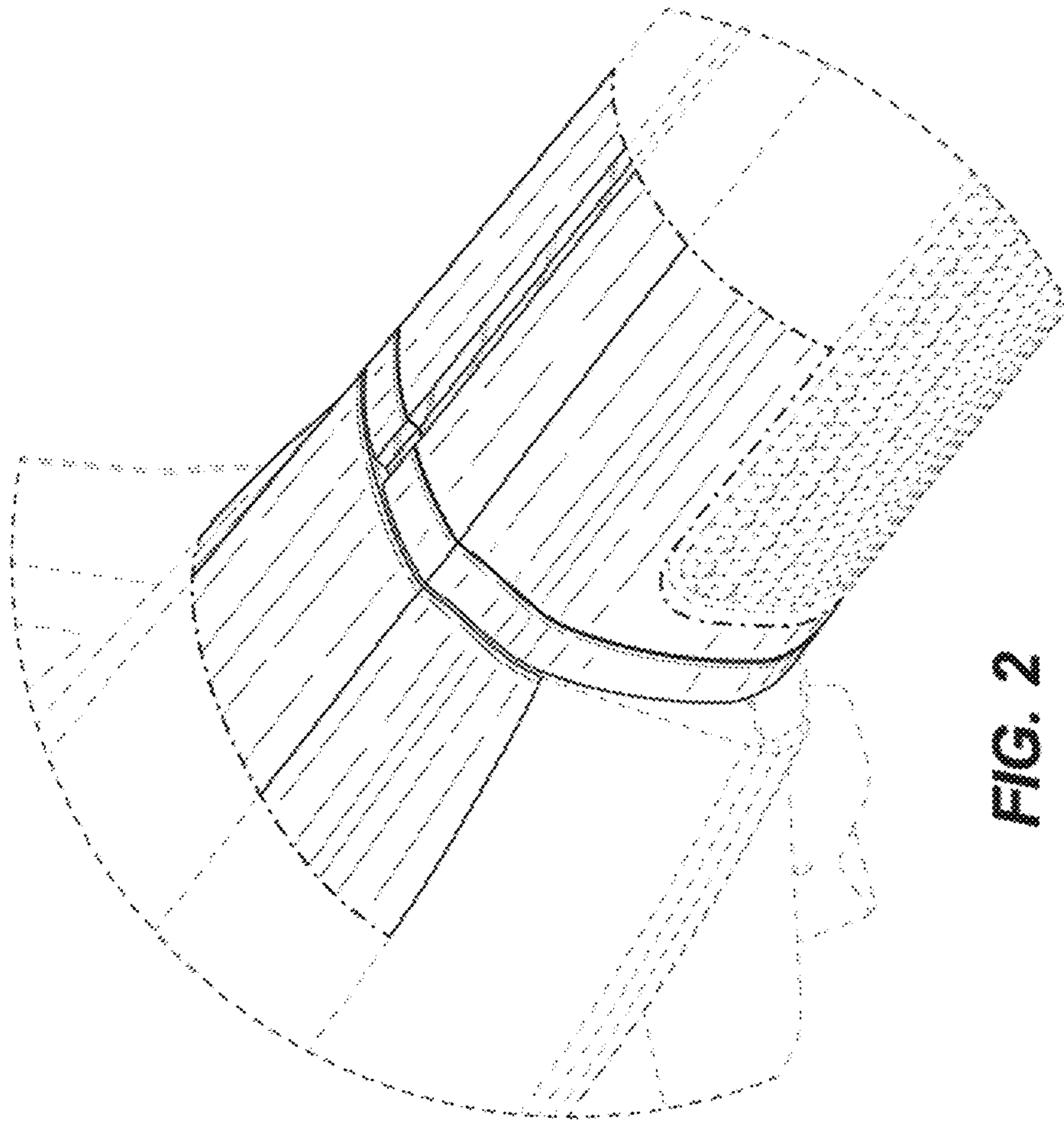


FIG. 2

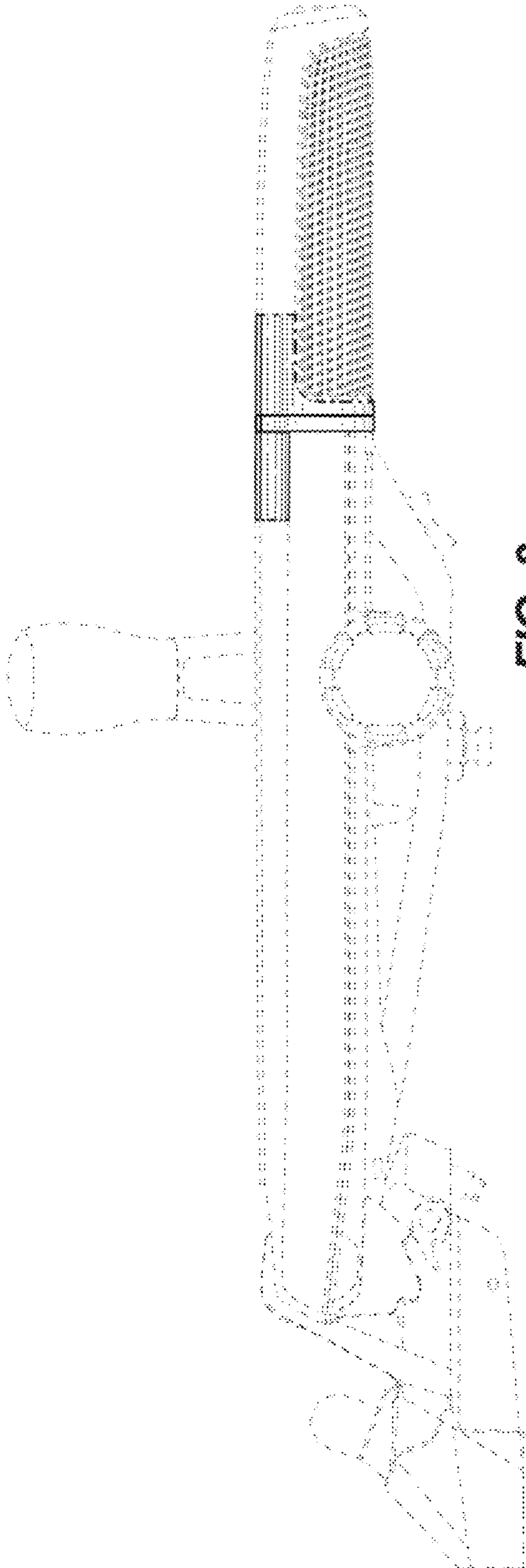


FIG. 3

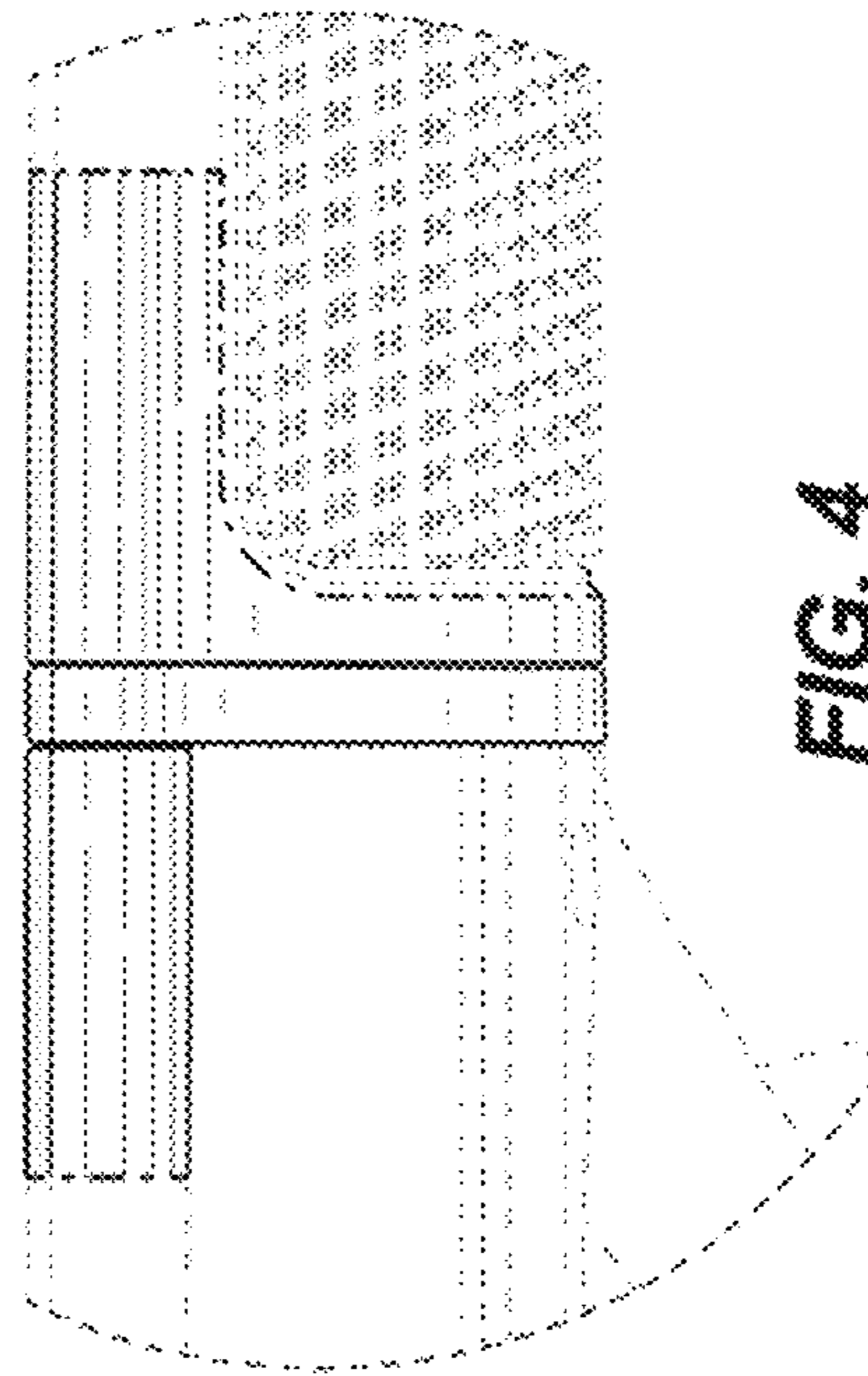


FIG. 4

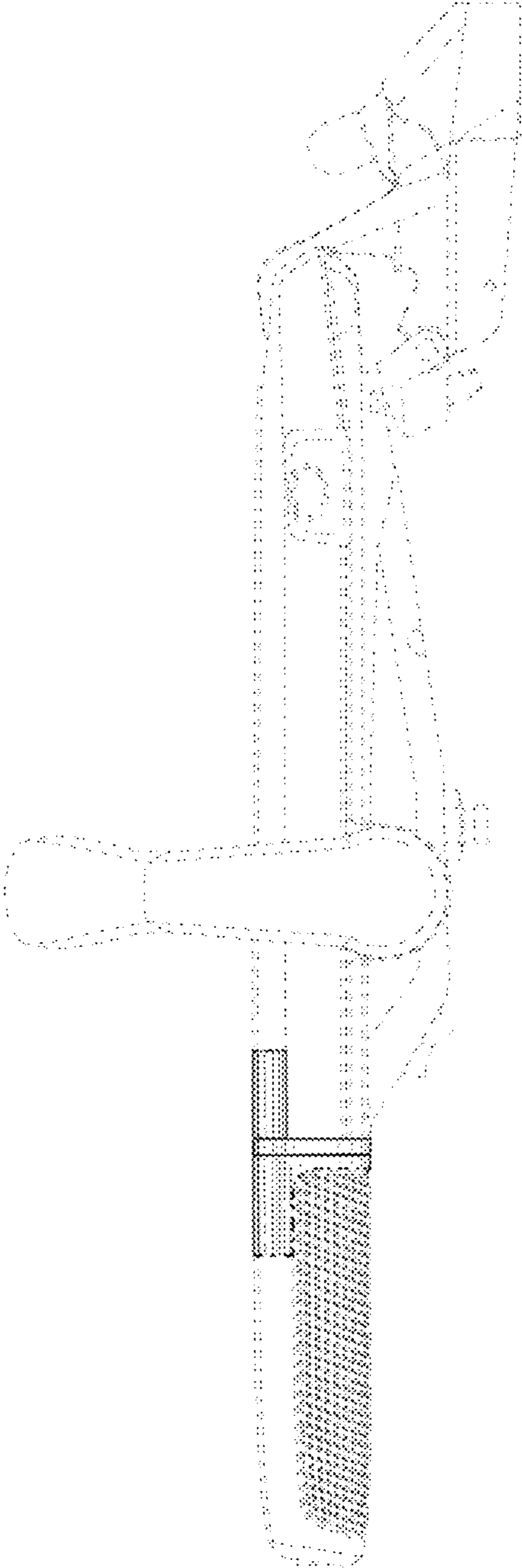
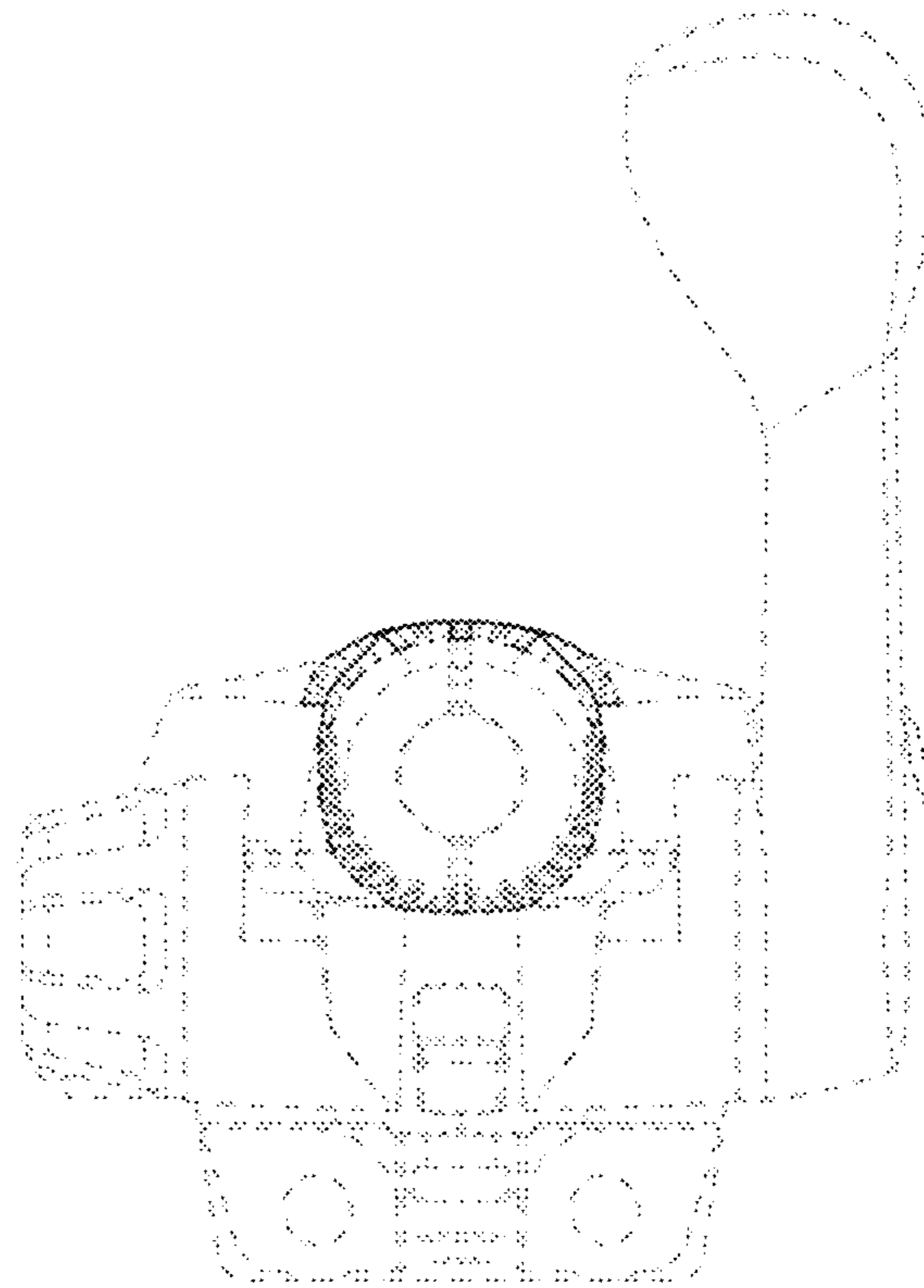
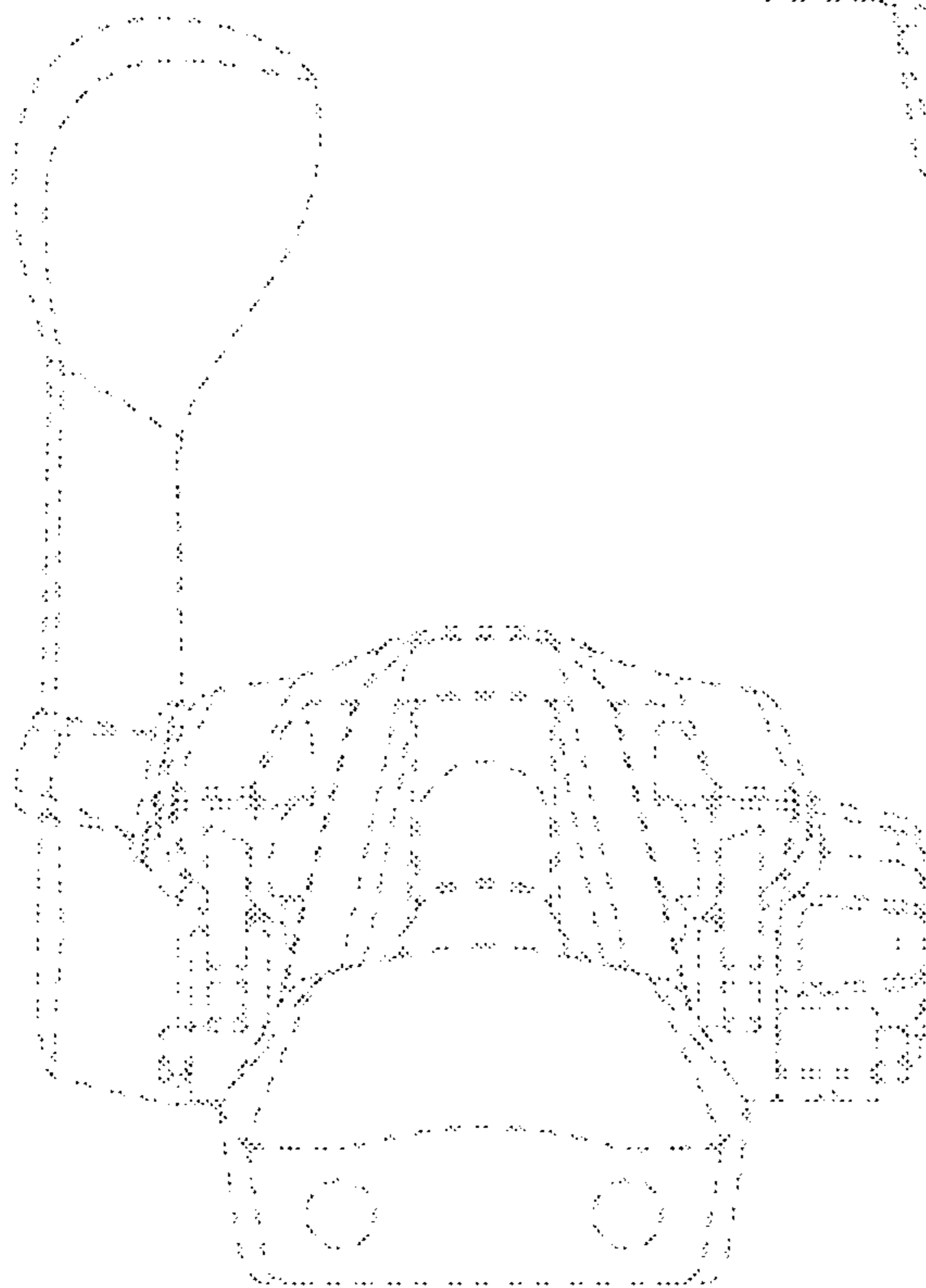


FIG. 5



**FIG. 6**



**FIG. 7**

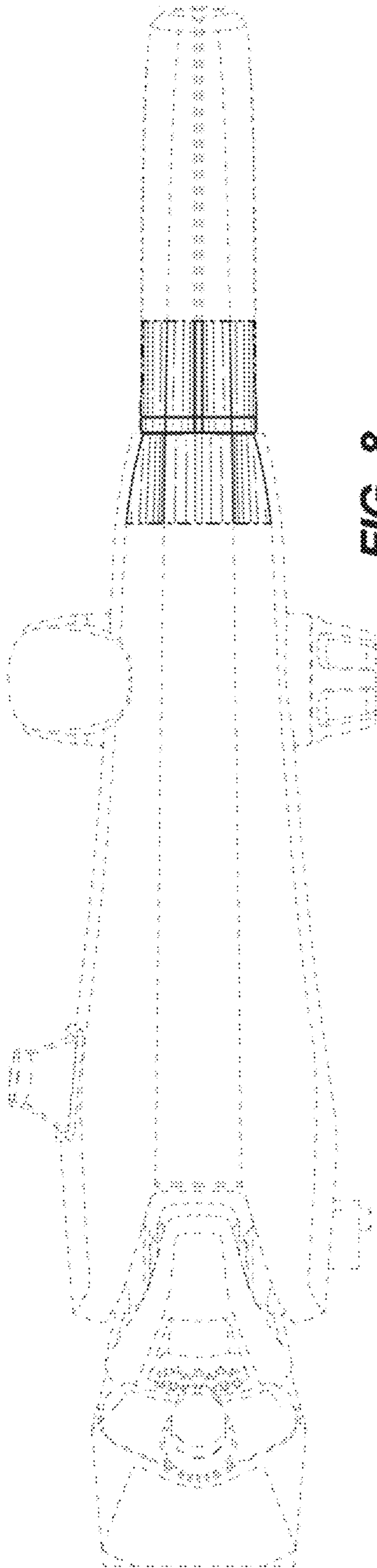


FIG. 8

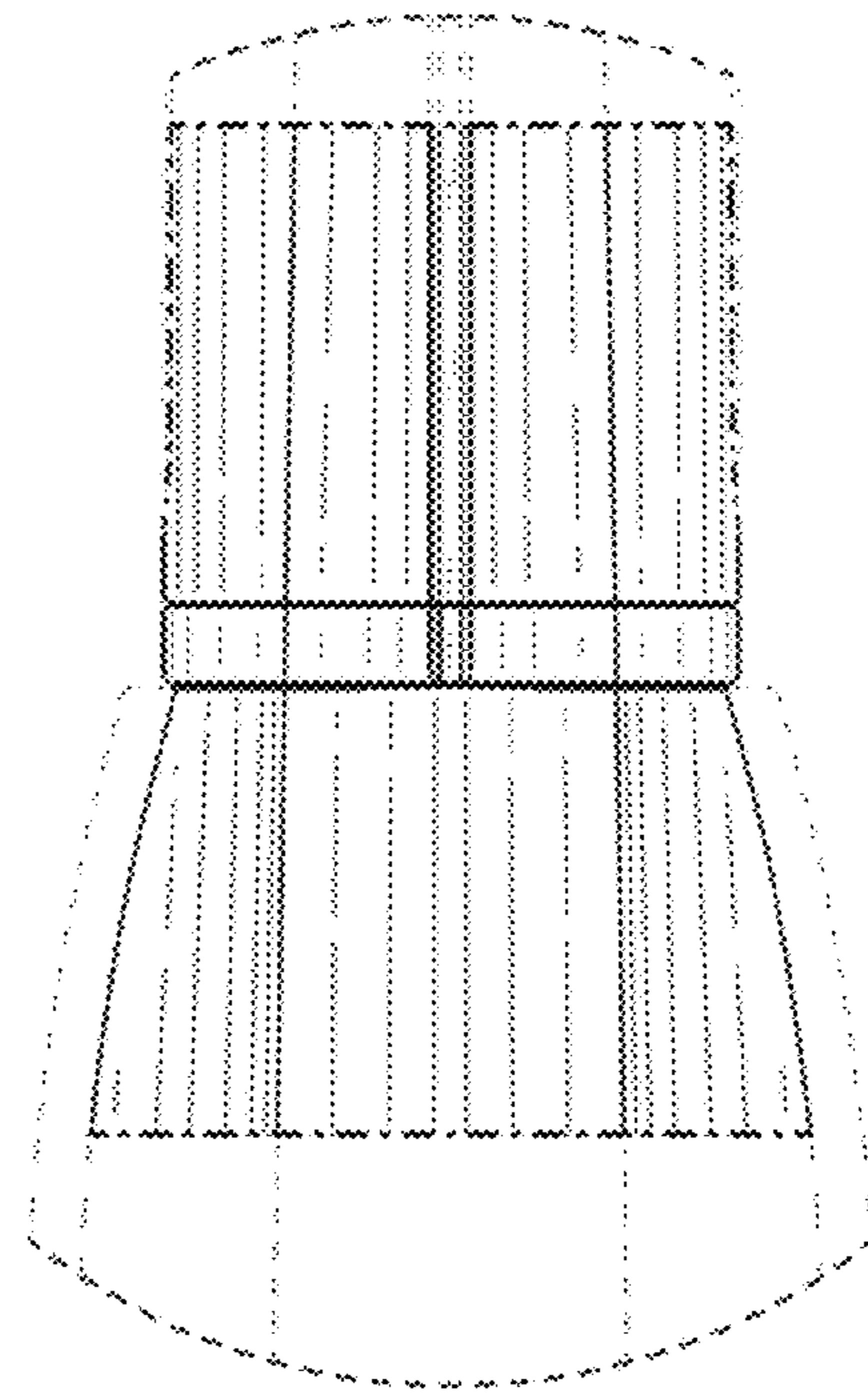


FIG. 9



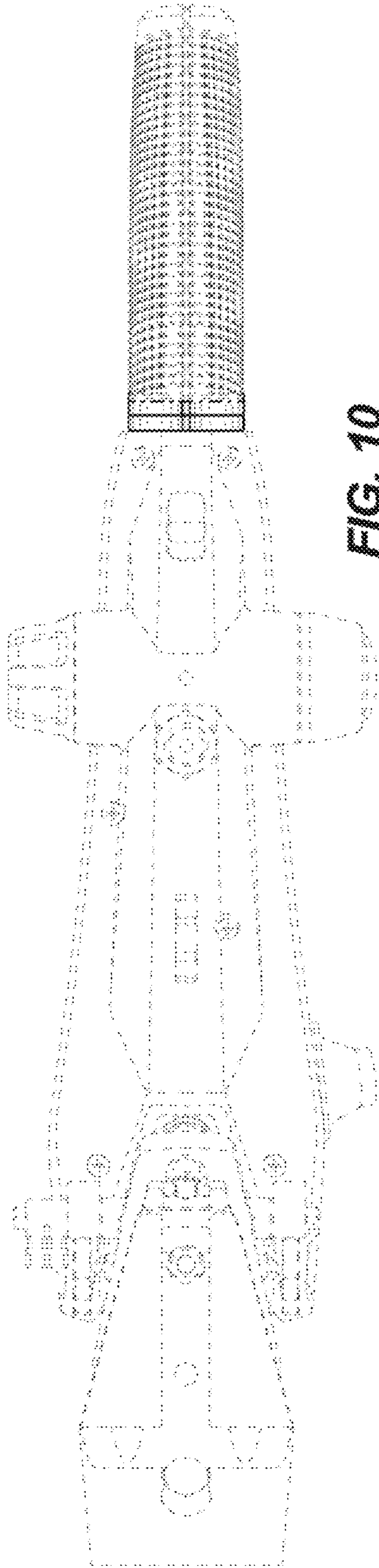


FIG. 10

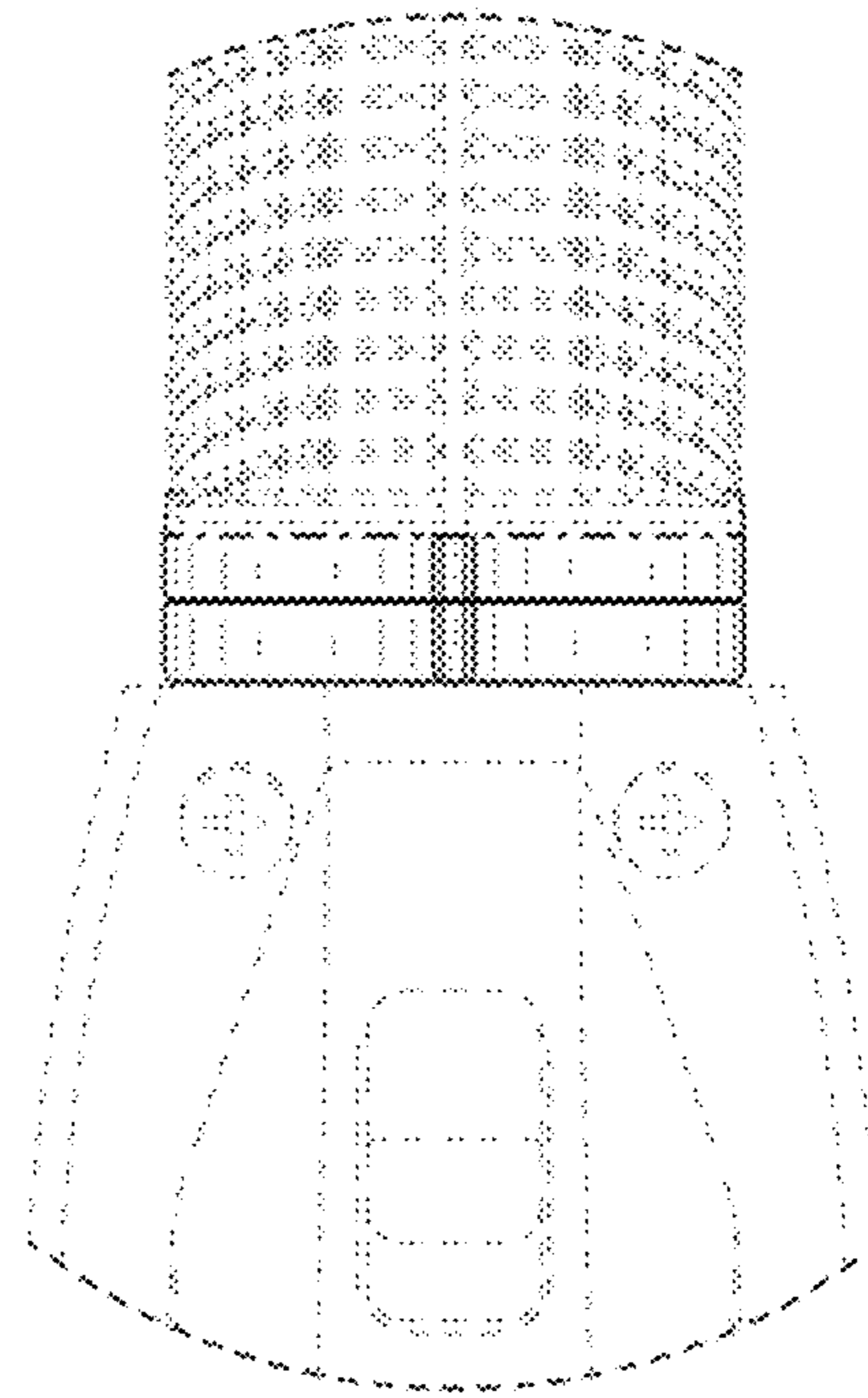


FIG. 11