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(12) **United States Design Patent** (10) **Patent No.:** **US D783,614 S**
Hao et al. (45) **Date of Patent:** **** Apr. 11, 2017**

(54) **ON-BOARD CONTROLLER**

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(51) **LOC (10) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/388**; D14/218; D12/114

(58) **Field of Classification Search**
USPC ... D14/388, 140, 138 R, 144, 155, 167, 191, D14/192, 203.1, 203.3, 203.5, 203.7, 248,
(Continued)

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(57) **CLAIM**

We claim the ornamental design for an on-board controller, as shown and described.

DESCRIPTION

FIG. 1 is the perspective view of an on-board controller showing our new design in a state for use where component 1 and component 2 are combined;
FIG. 2 is the front view thereof;
FIG. 3 is the rear view thereof;
FIG. 4 is the left-side view thereof;
FIG. 5 is the right-side view thereof;
FIG. 6 is the top view thereof;
FIG. 7 is the bottom view thereof;
FIG. 8 is the perspective view of the on-board controller of FIG. 1, showing component 1 separately for clarity of disclosure;
FIG. 9 is the front view thereof;
FIG. 10 is the rear view thereof;
FIG. 11 is the left-side view thereof;
FIG. 12 is the right-side view thereof;
FIG. 13 is the top view thereof;
FIG. 14 is the bottom view thereof;
FIG. 15 is the perspective view of the on-board controller of FIG. 1, showing component 2 separately for clarity of disclosure;
FIG. 16 is the front view thereof;
FIG. 17 is the rear view thereof;
FIG. 18 is the left-side view thereof;
FIG. 19 is the right-side view thereof;
FIG. 20 is the top view thereof; and,
FIG. 21 is the bottom view thereof.

1 Claim, 14 Drawing Sheets



(58) **Field of Classification Search**

USPC D14/218, 240, 344, 346, 356, 358, 454,
 D14/455, 496, 299; D12/114, 174, 177;
 D13/168; D3/215, 318; D21/324, 329,
 D21/333, 477, 566; D24/167, 186;
 D10/30, 32, 38, 65, 70, 74, 98
 CPC B60R 11/02; B60R 11/0264; B62J 11/00;
 H04N 5/4403; H04N 5/4423; H04N
 5/4425; H04B 1/202; A45F 2005/008
 See application file for complete search history.

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FIG. 1

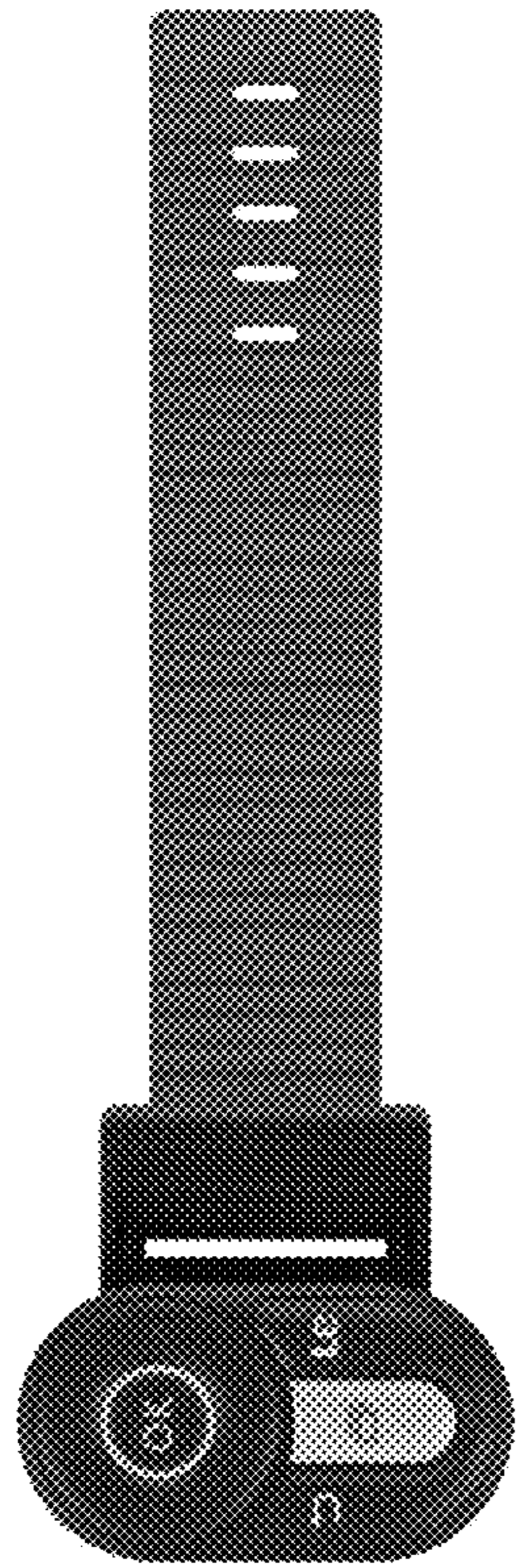


FIG. 2

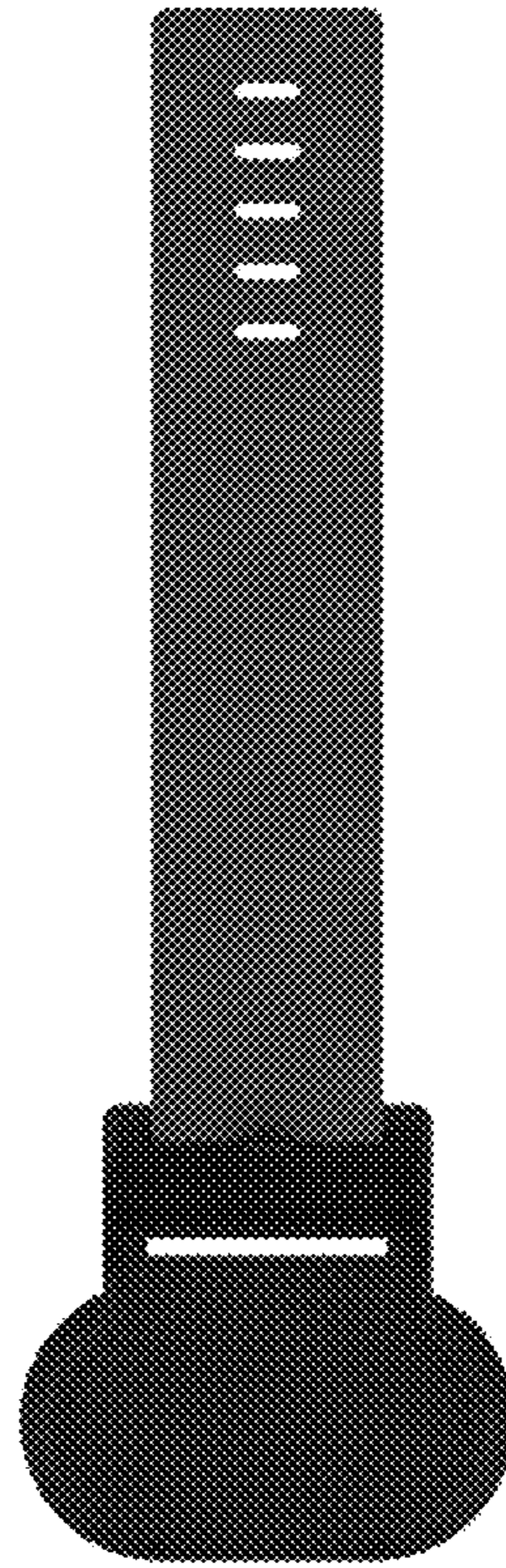


FIG. 3

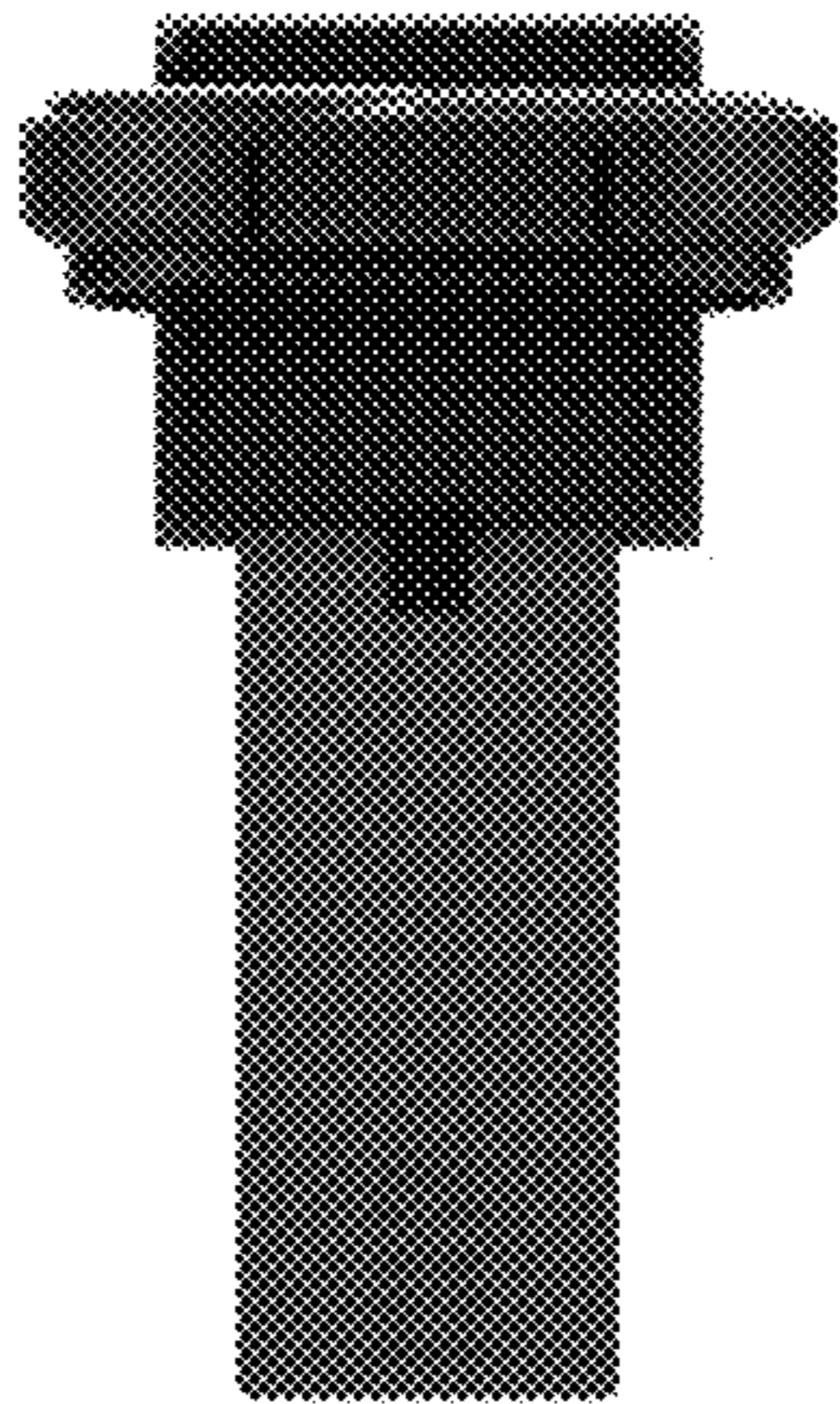


FIG. 4

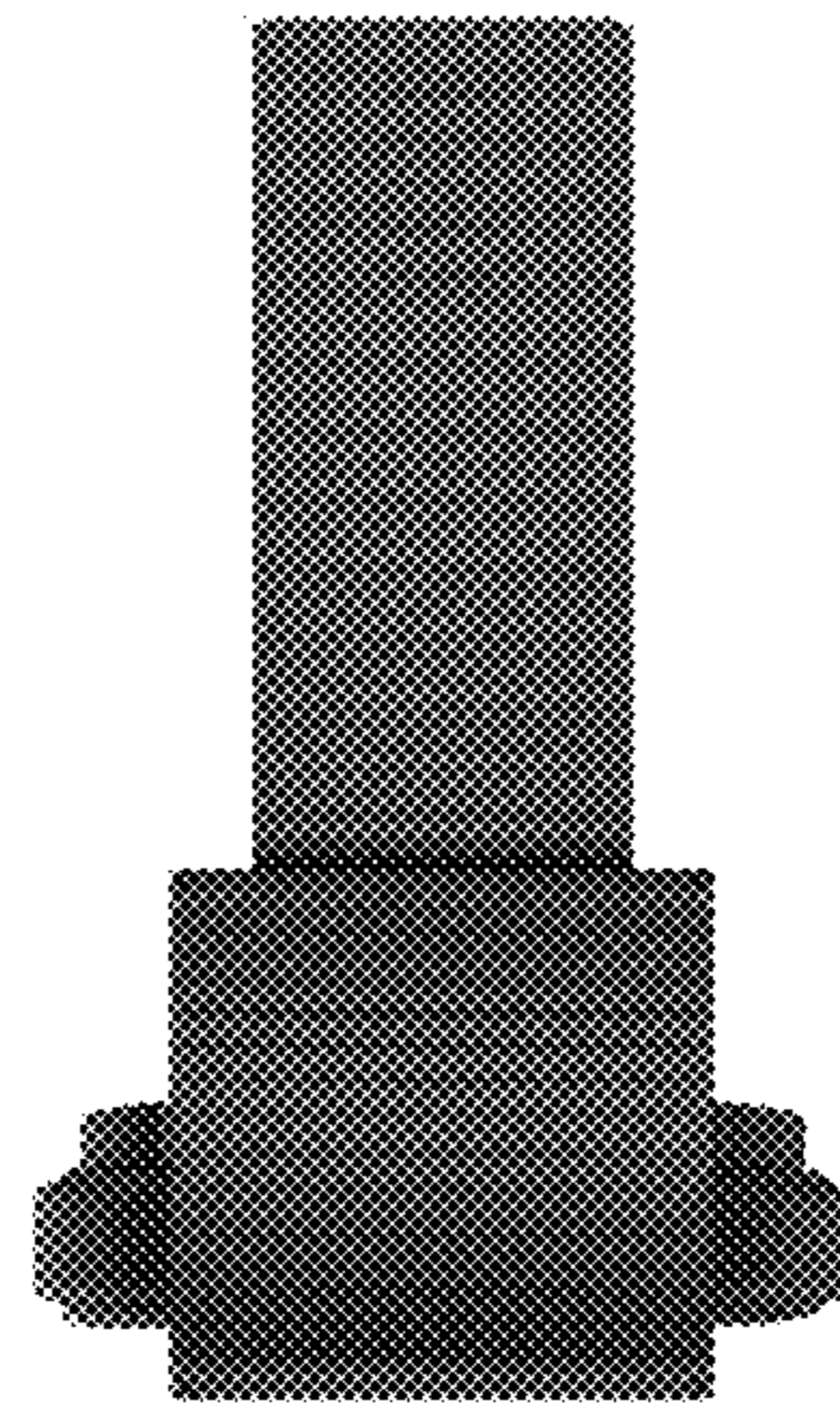


FIG. 5



FIG. 6



FIG. 7



FIG. 8

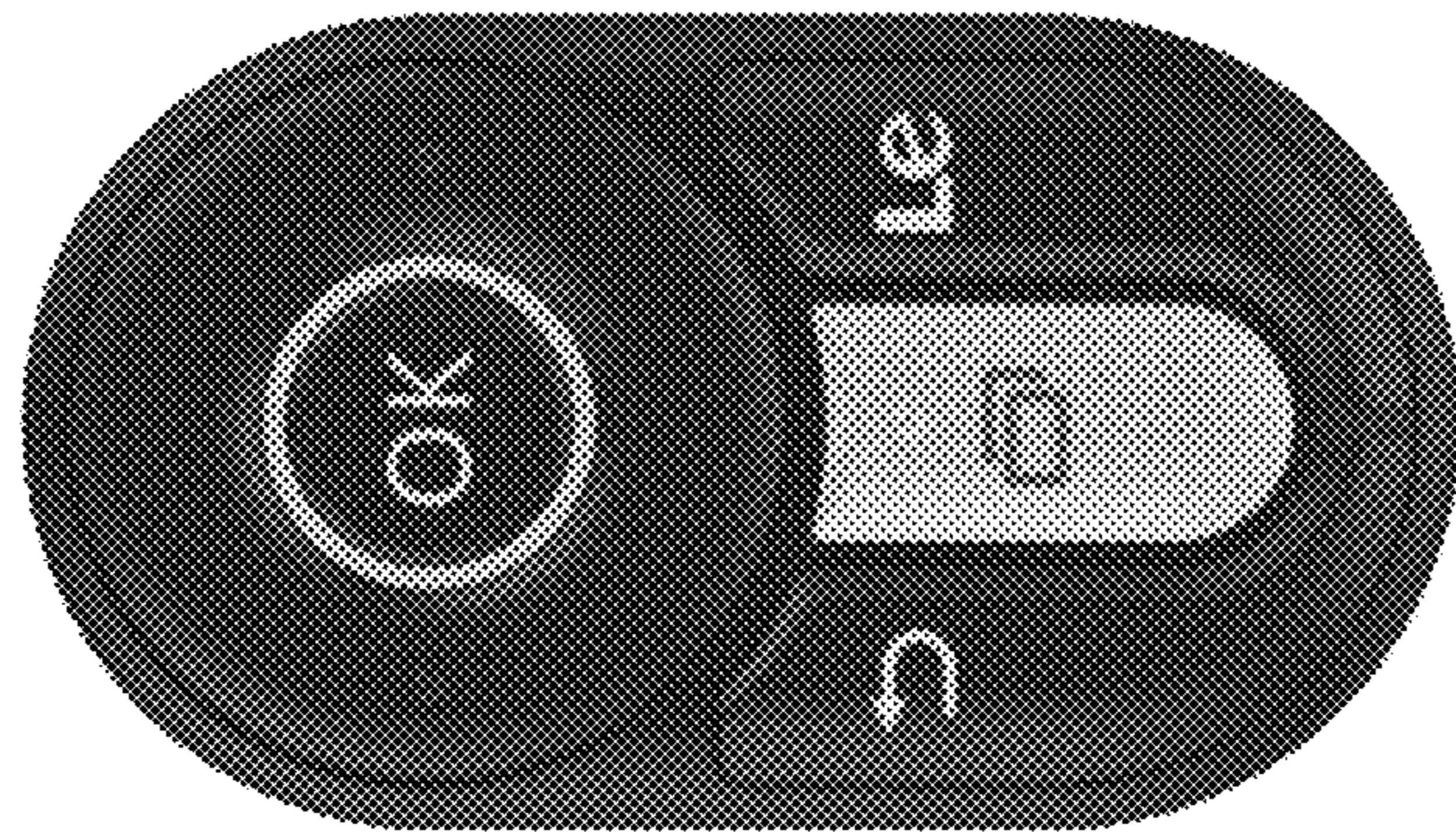


FIG. 9

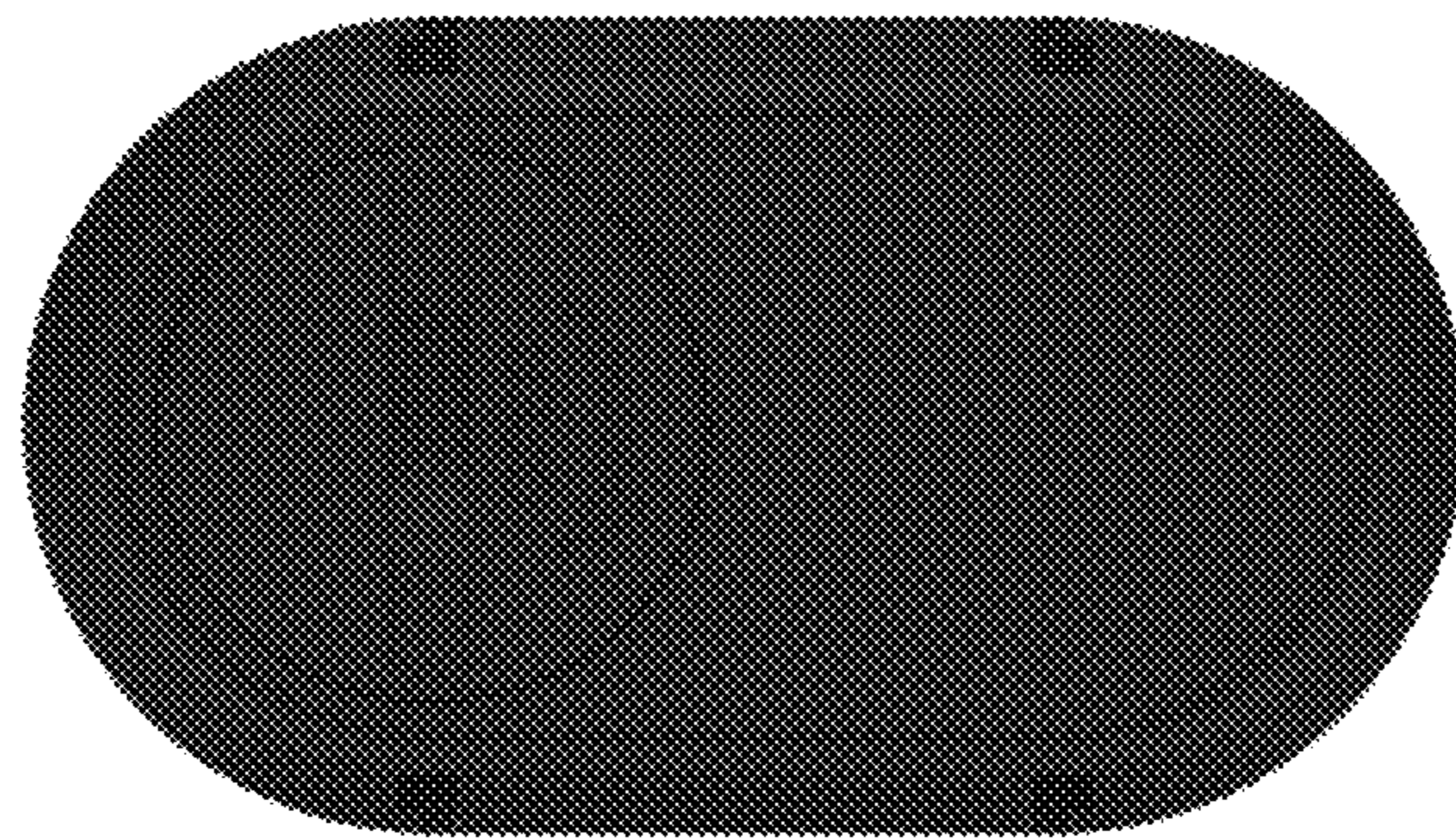


FIG. 10

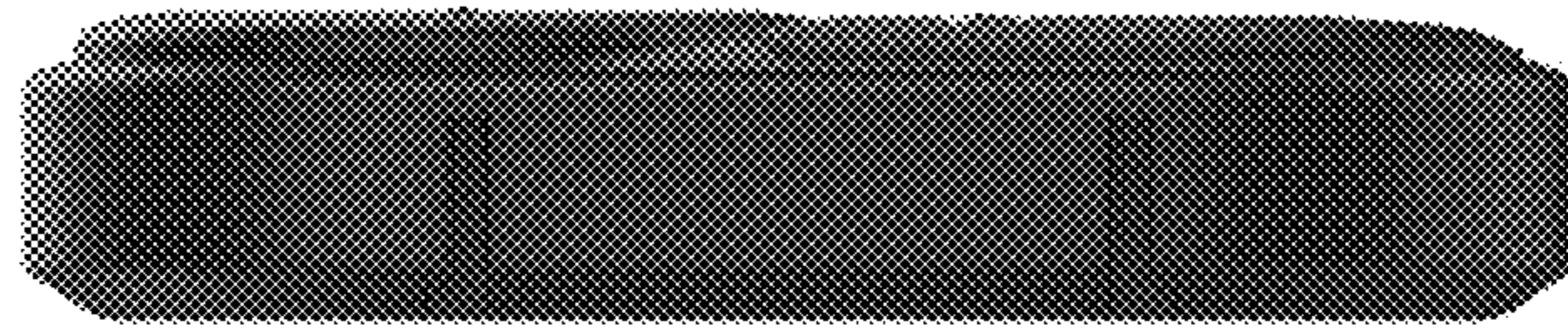


FIG. 11

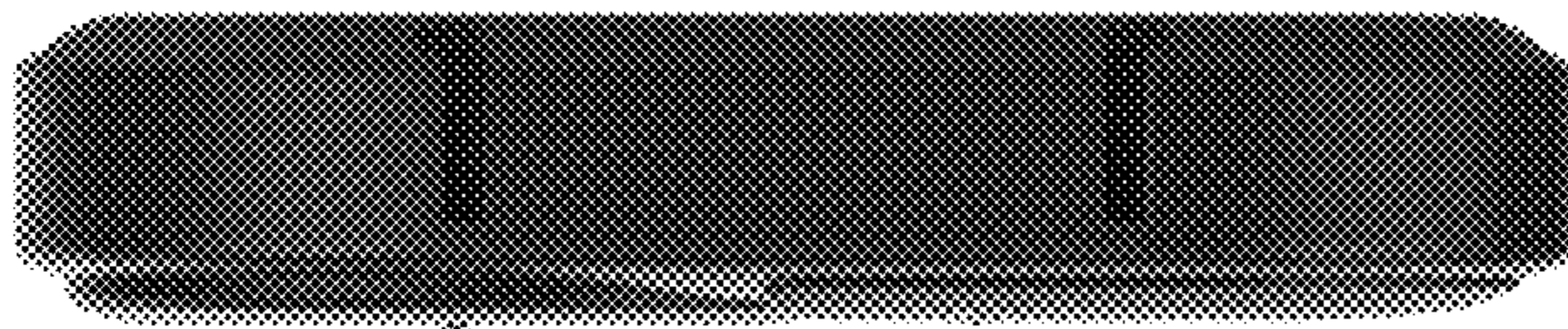


FIG. 12

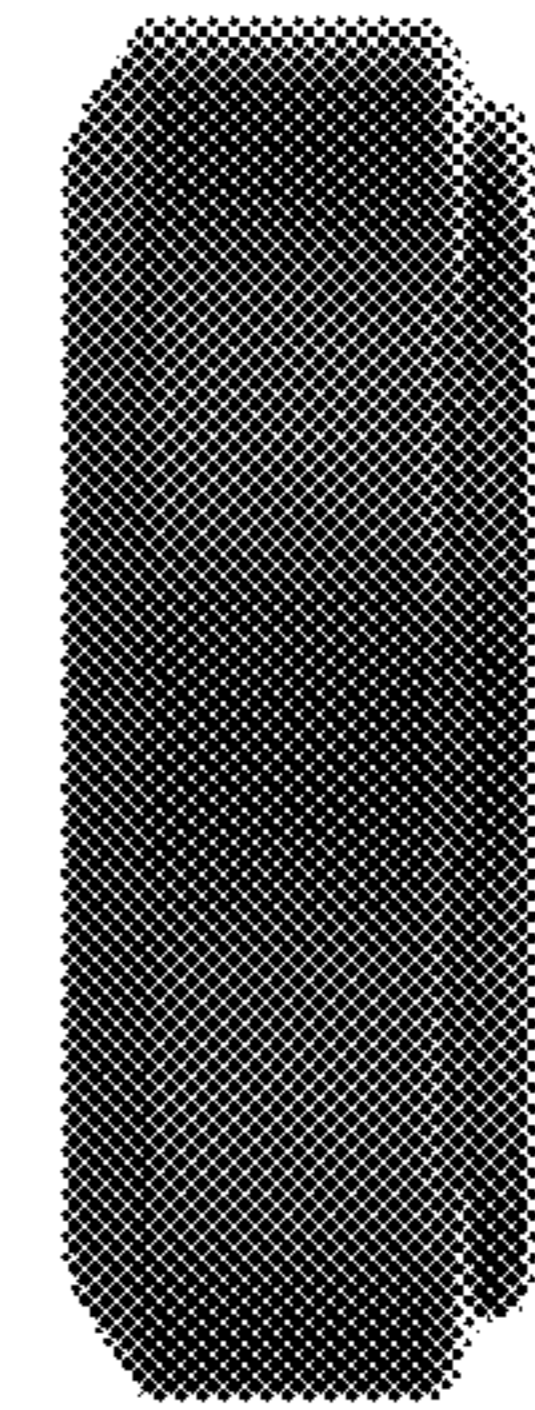


FIG. 13

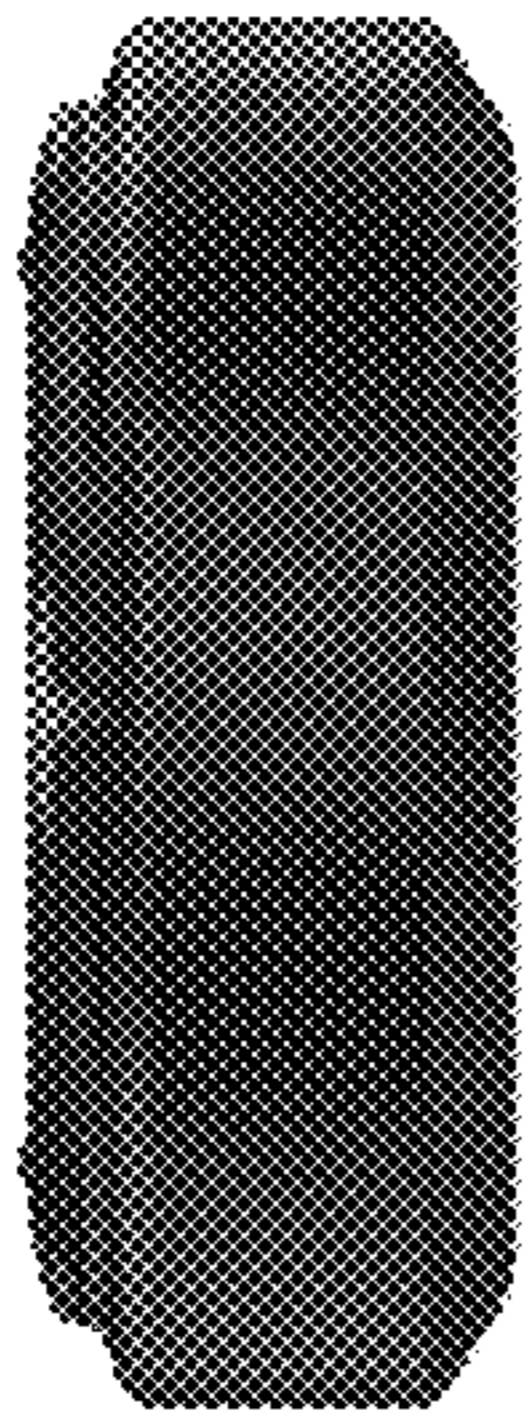


FIG. 14



FIG. 15

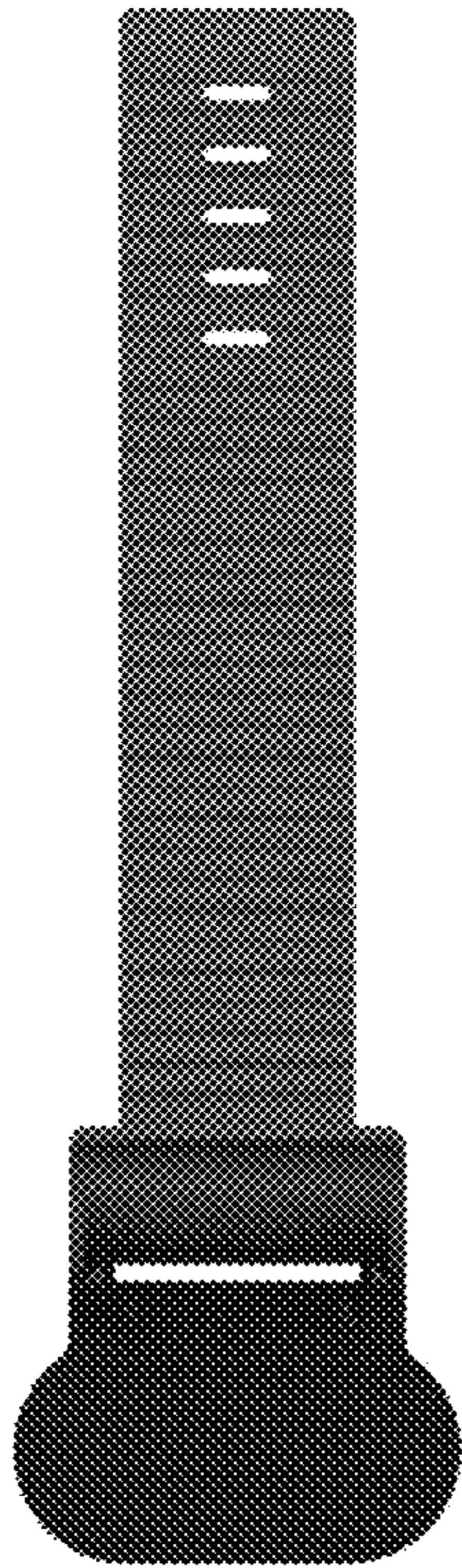


FIG. 16

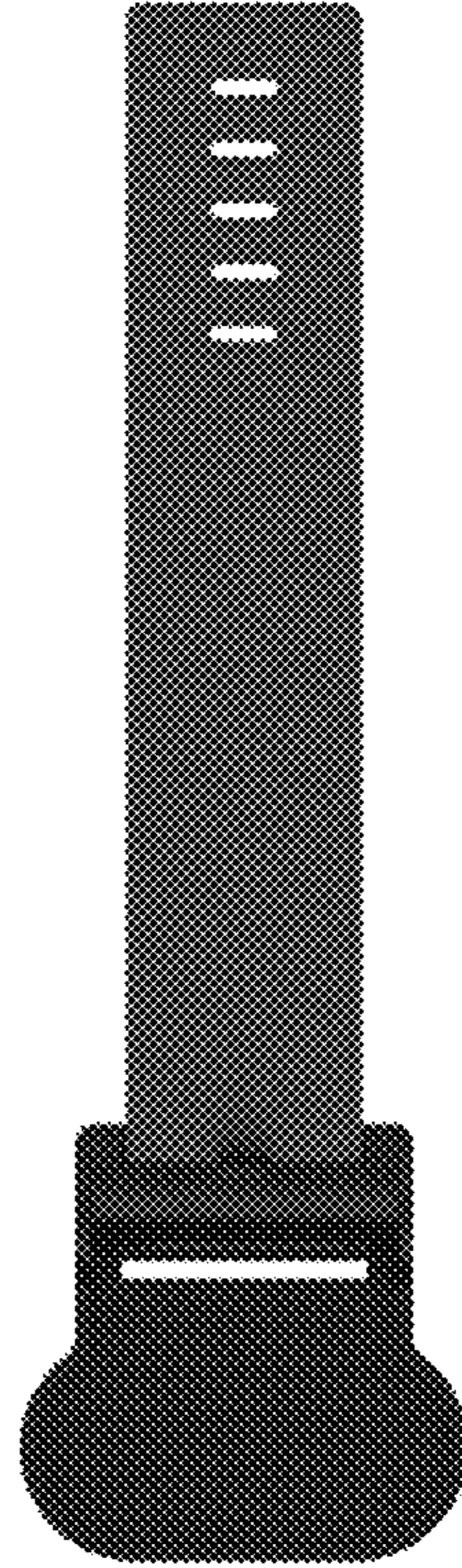


FIG. 17

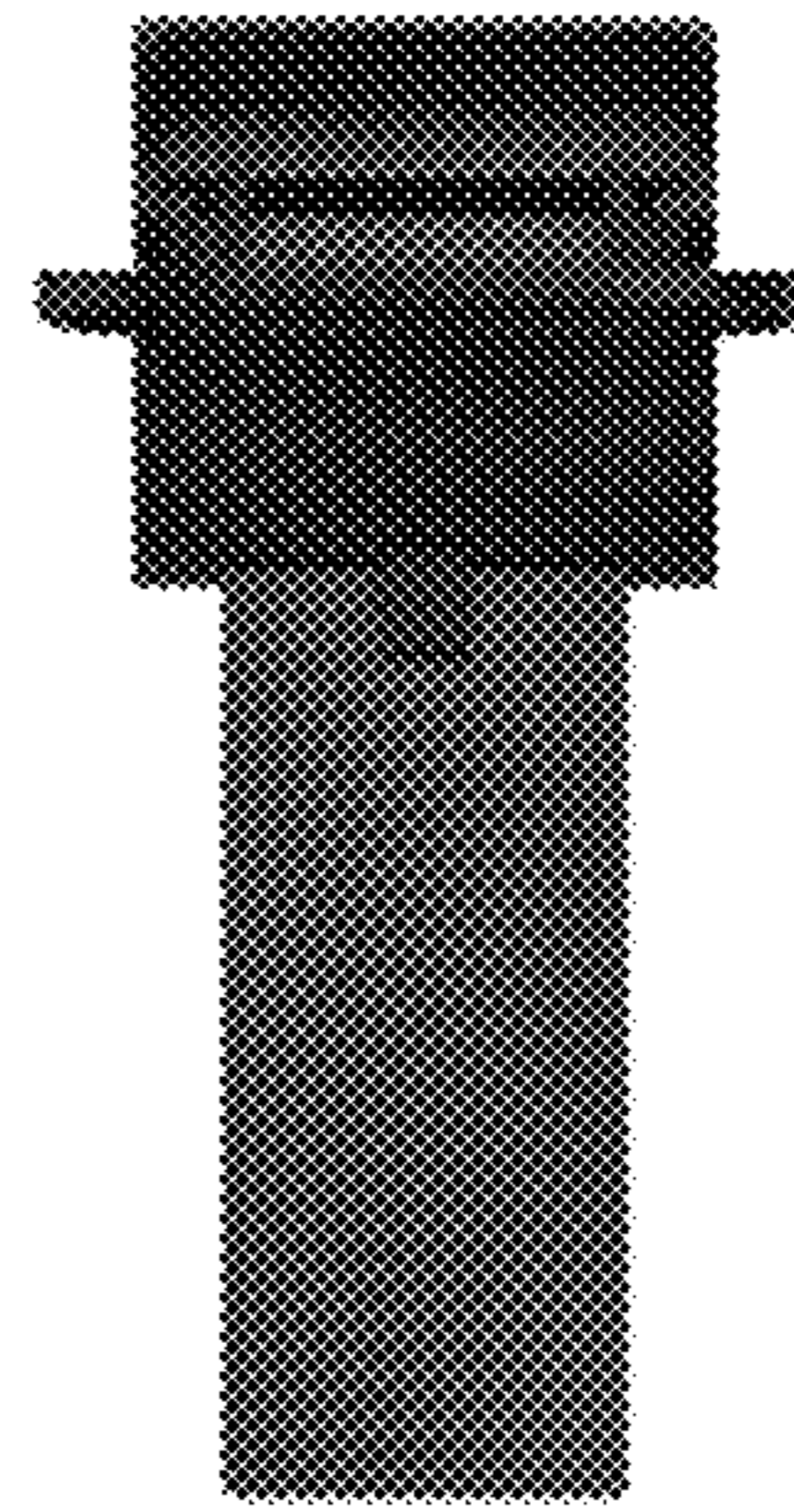


FIG. 18

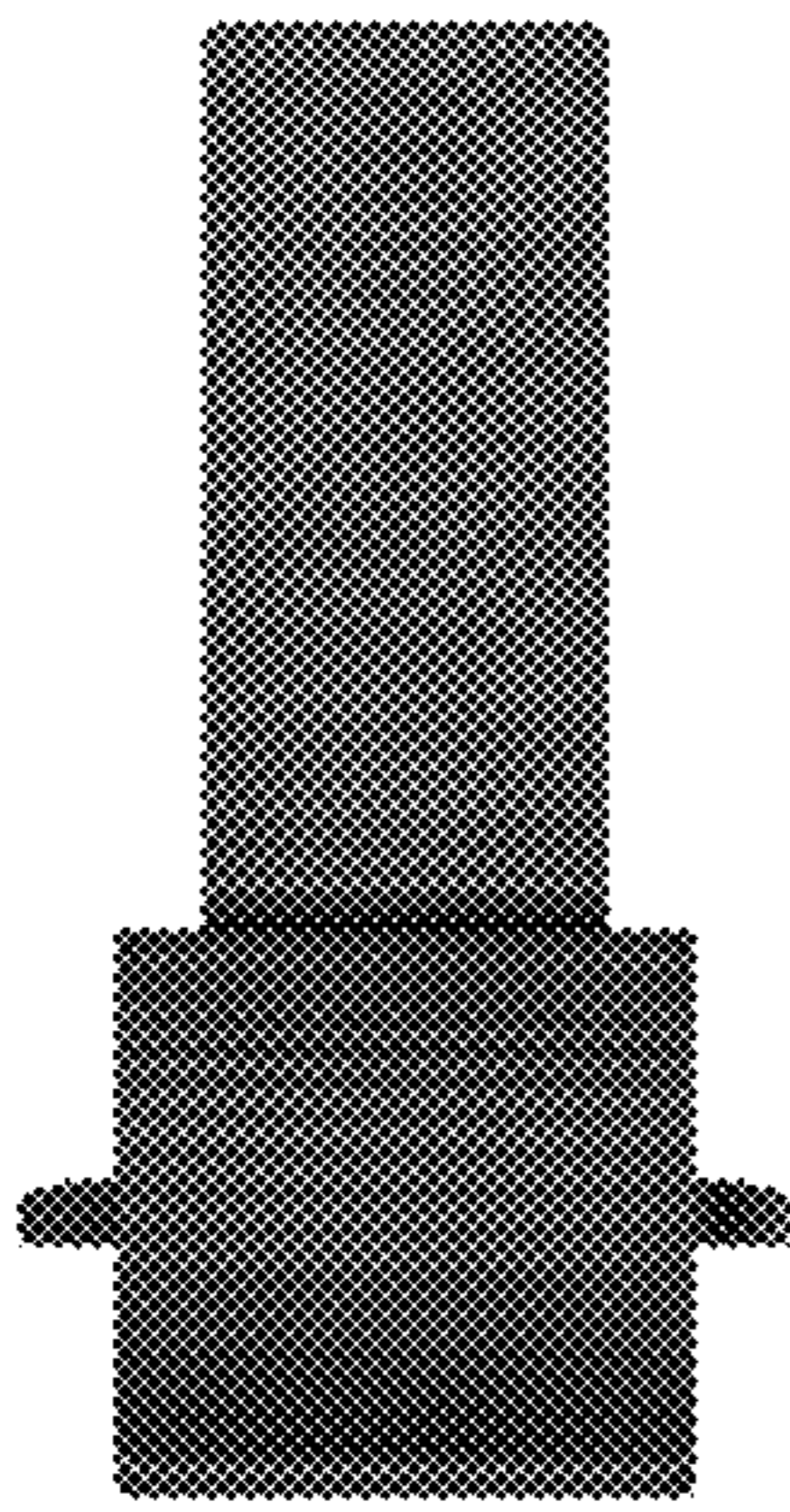


FIG. 19



FIG. 20



FIG. 21