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United States Patent [19]

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Ancona et al.

[45] Date of Patent: ** Nov. 14, 2000

[54] COMBINATION ANGLE BROOM, DUST PAN AND DUSTING BRUSH

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[73] Assignee: **EKCO Housewares, Inc.,** Franklin Park, Ill.

[**] Term: **14 Years**

[21] Appl. No.: **29/091,955**

[22] Filed: **Aug. 10, 1998**

[51] LOC (7) Cl. **04-01**

[52] U.S. Cl. **D4/116; D32/74**

[58] Field of Search D4/116, 132, 135, D4/138; D32/42, 74; 15/143.1, 159.1, 160, 186, 187, 105, 168, 171, 175, 191.1

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Primary Examiner—Alan P. Douglas
Assistant Examiner—Lavone Tabor
Attorney, Agent, or Firm—Ross, Ross&Flavin

[57] CLAIM

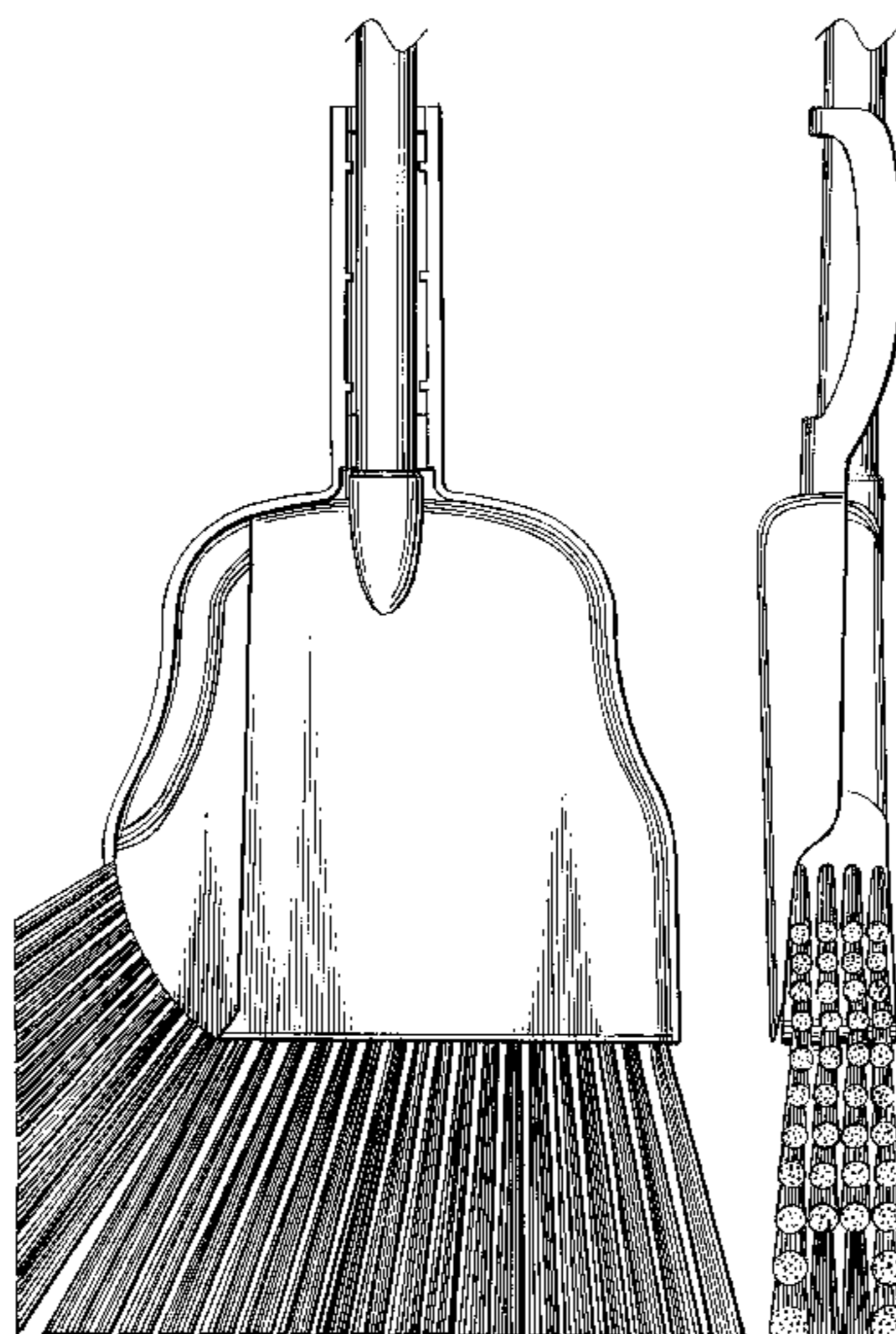
The ornamental design for a combination angle broom, dust pan and dusting brush, as shown and described.

DESCRIPTION

FIG. 1 is a fragmentary front elevational view of a combination angle broom, dust pan and dusting brush embodying our invention, the broom handle being shown fragmentarily for space conservation purposes;
FIG. 2 is a side elevational view of the combination angle broom, dust pan and dusting brush of FIG. 1, as seen from the left of FIG. 1;

FIG. 3 is a rear elevational view of the combination angle broom, dust pan and dusting brush of FIG. 1;
FIG. 4 is a side elevational view of the combination angle broom, dust pan and dusting brush of FIG. 1, as seen from the left of FIG. 3;
FIG. 5 is a top plan view of the combination angle broom, dust pan and dusting brush of FIG. 1;
FIG. 6 is a bottom plan view of the combination angle broom, dust pan and dusting brush of FIG. 1 with the bristles omitted;
FIG. 7 is a front elevational view on an enlarged scale of the shroud of the angle broom of FIG. 1, the rear elevation being a mirror image;
FIG. 8 is a side elevational view of the shroud of FIG. 7 as seen from the left of FIG. 7;
FIG. 9 is a side elevational view of the shroud of FIG. 7 as seen from the right of FIG. 7;
FIG. 10 is a front elevational view of the dust pan of the combination angle broom, dust pan and dusting brush of FIG. 1;
FIG. 11 is a bottom plan view of the dust pan of FIG. 12;
FIG. 12 is a rear elevational view of the dust pan of FIG. 10;
FIG. 13 is a side elevational view of the dust pan of FIG. 10 as seen from the left of FIG. 12, the opposite side being a mirror image;
FIG. 14 is a top plan view of the dust pan of FIG. 12;
FIG. 15 is a front elevational view of the dusting brush of FIG. 1, the rear elevation being a mirror image;
FIG. 16 is a side elevational view of the dusting brush of FIG. 15, as seen from the right of FIG. 15, with the bristles omitted;
FIG. 17 is a side elevational view of the dusting brush of FIG. 15, as seen from the left of FIG. 15, with the bristles omitted;
FIG. 18 is an enlarged top plan view of the dusting brush of FIG. 15, with the bristles omitted;
FIG. 19 is an enlarged bottom plan view of the dusting brush of FIG. 15, with the bristles omitted; and,
FIG. 20 is a cross-sectional view on a reduced scale taken on line 20—20 of FIG. 19, with the bristles omitted.
The bristles are omitted in some of the views for ease of illustration and the components of the combined article are shown separately for clarity of illustration.

1 Claim, 6 Drawing Sheets



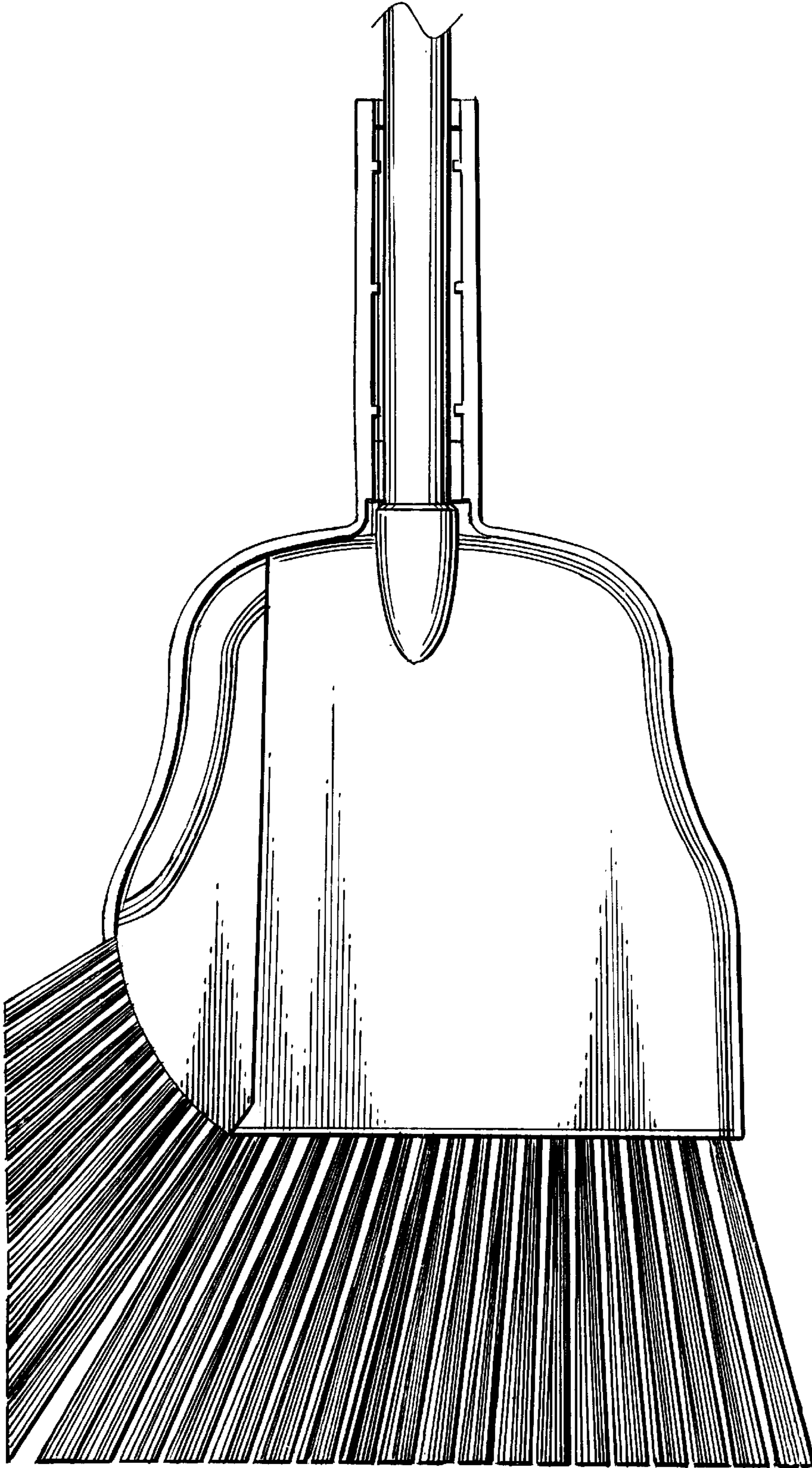


FIG. 1.

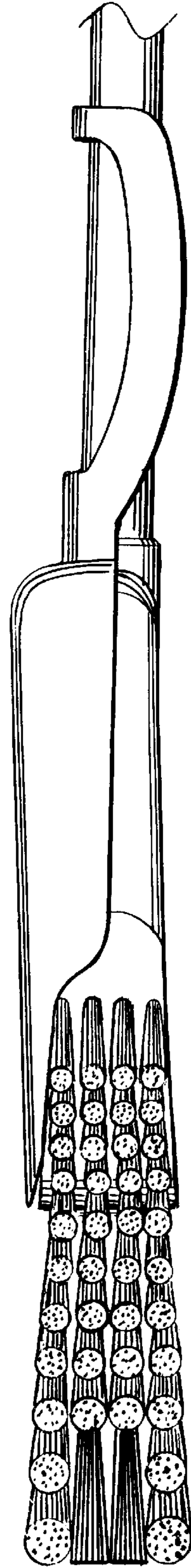


FIG. 2.

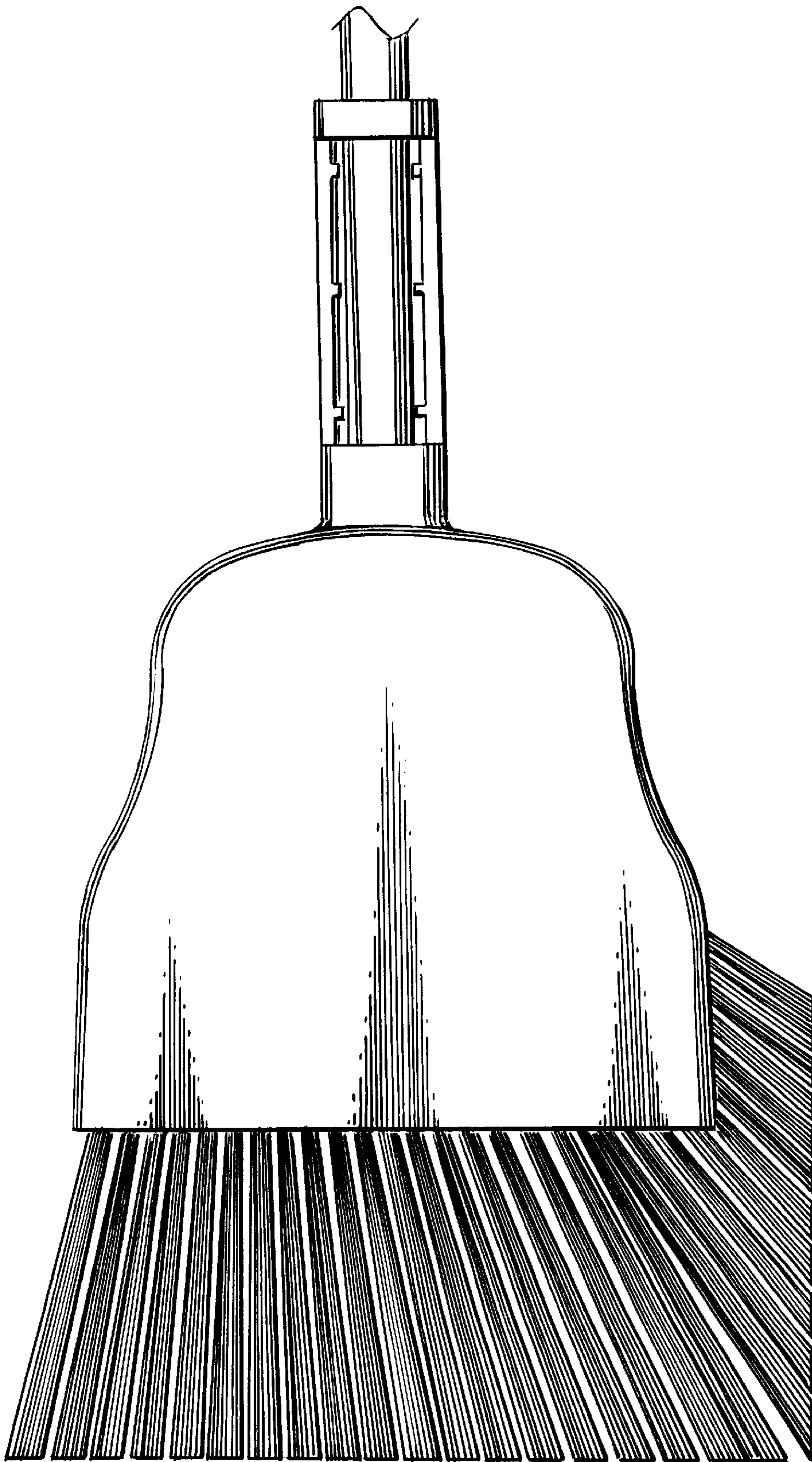


FIG. 3.

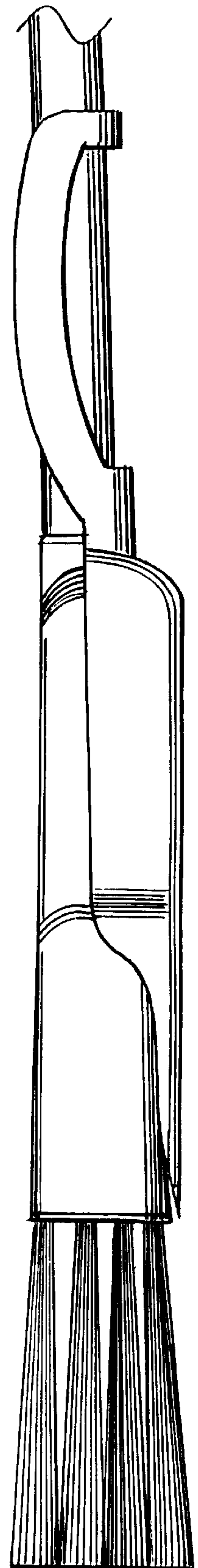


FIG. 4.

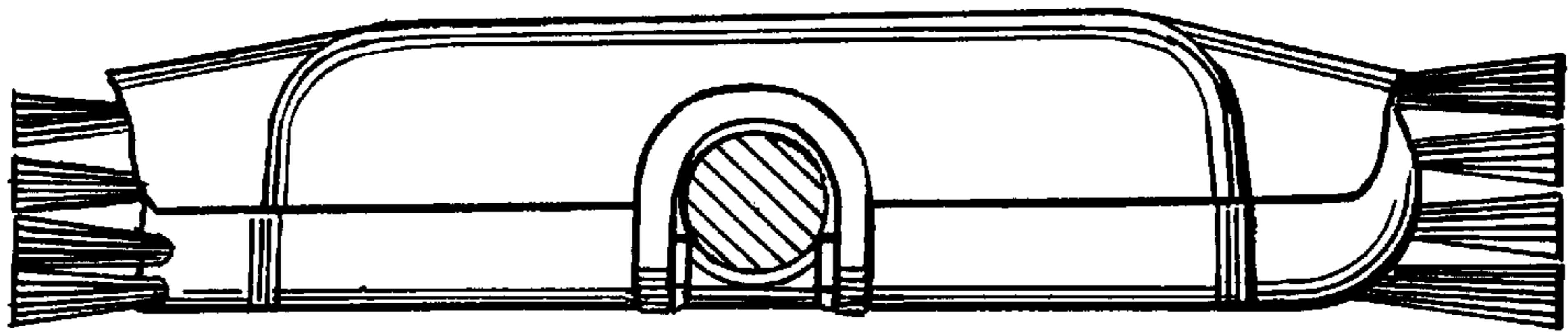


FIG. 5.

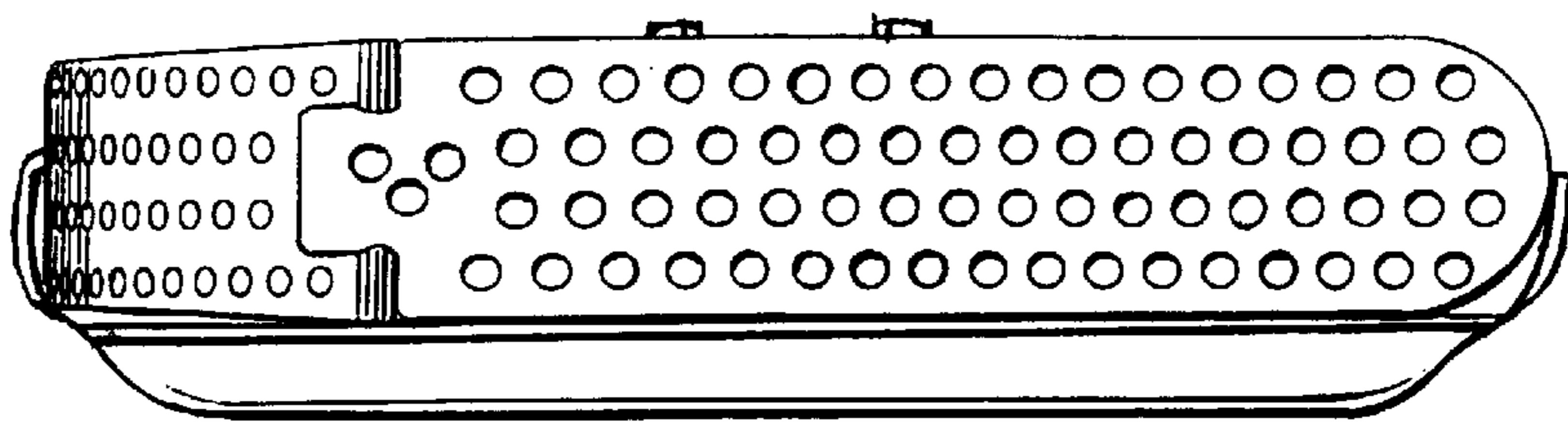


FIG. 6.

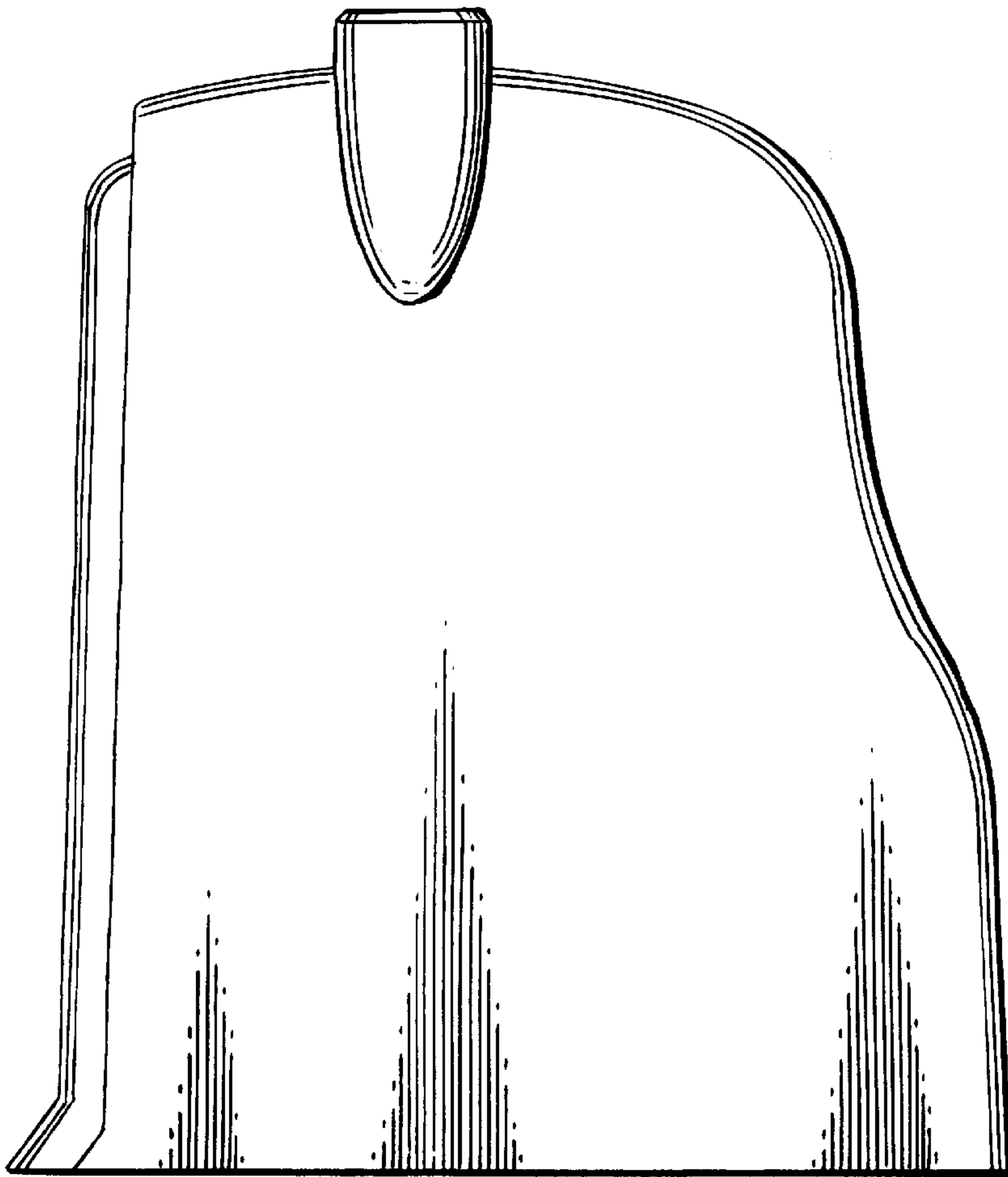


FIG. 7.

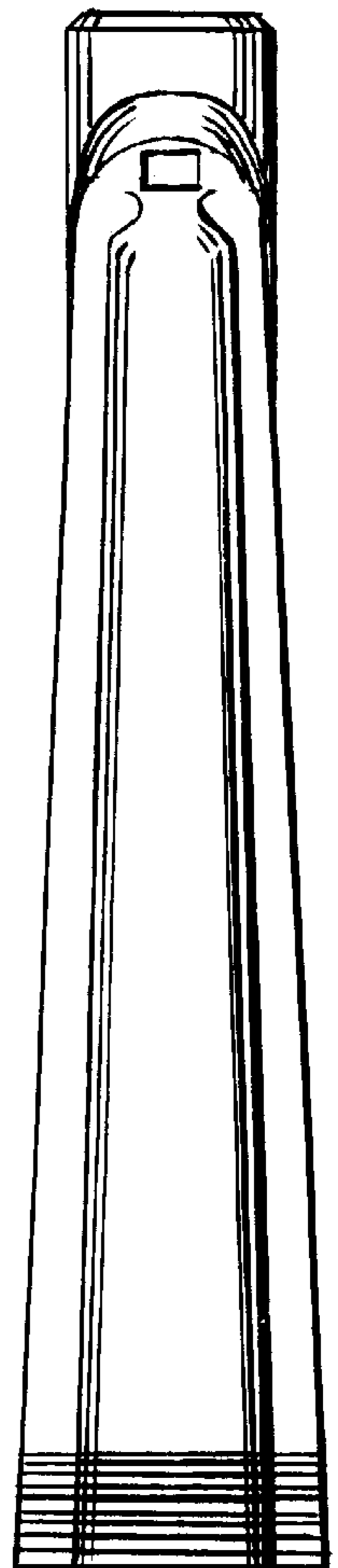


FIG. 8.

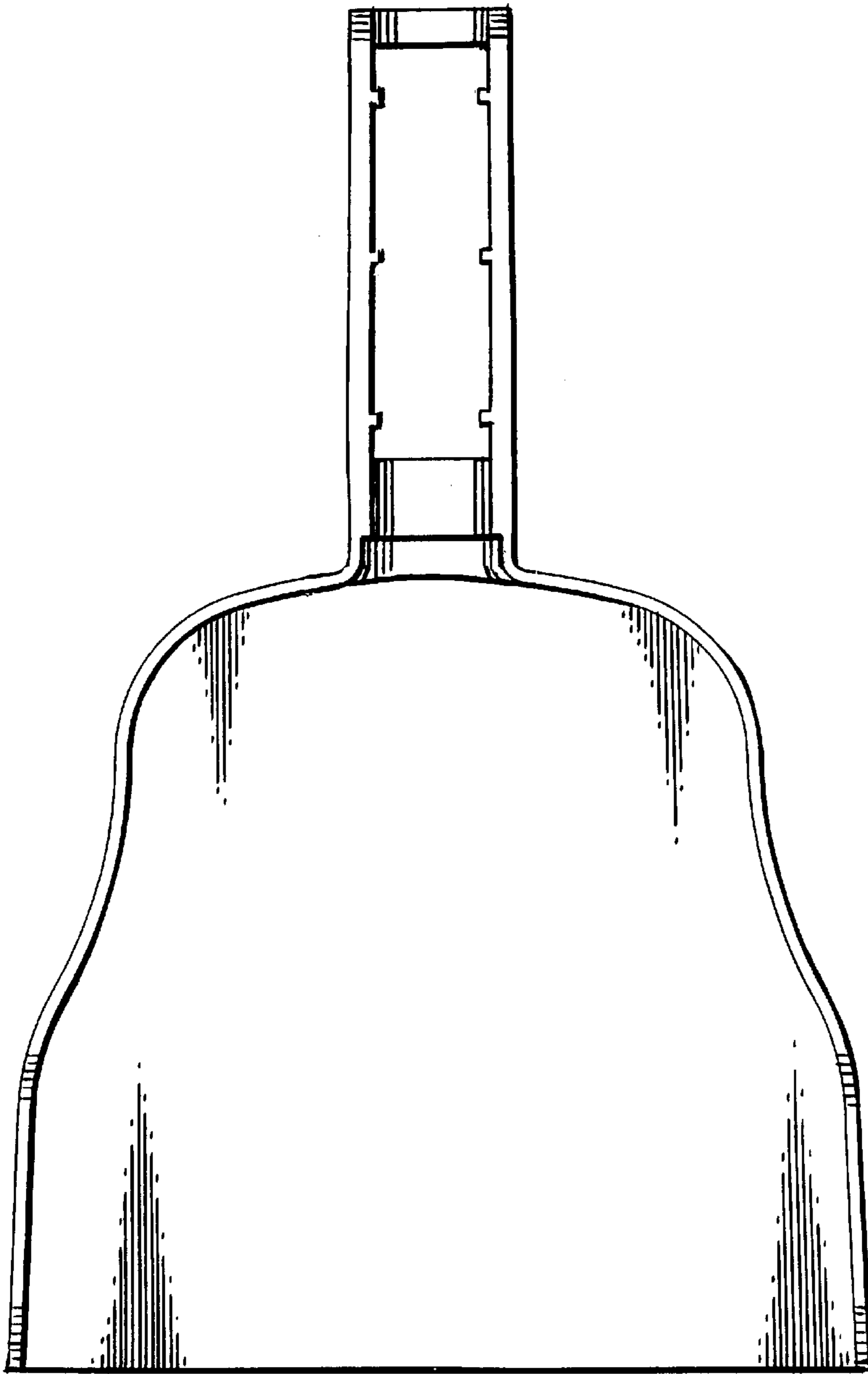


FIG. 10.

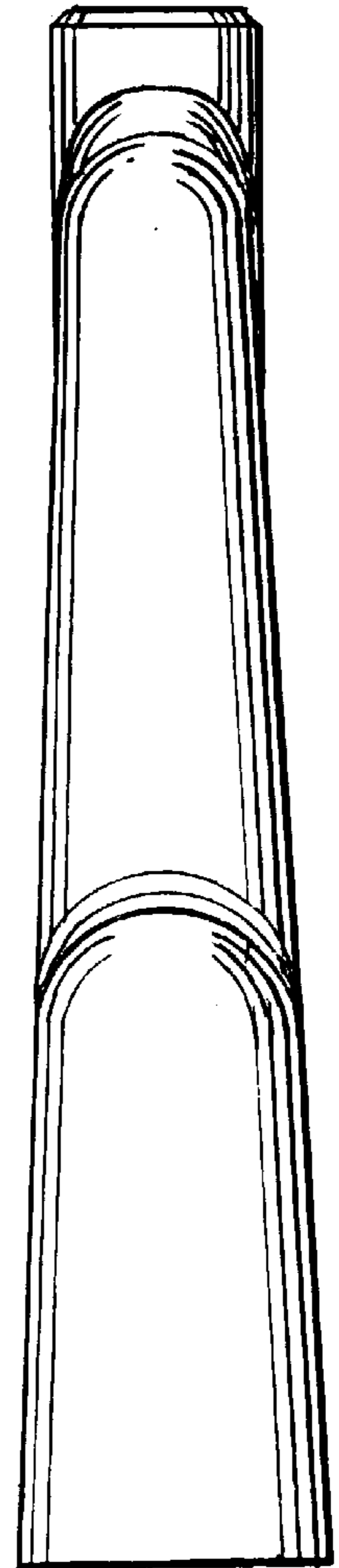


FIG. 9.

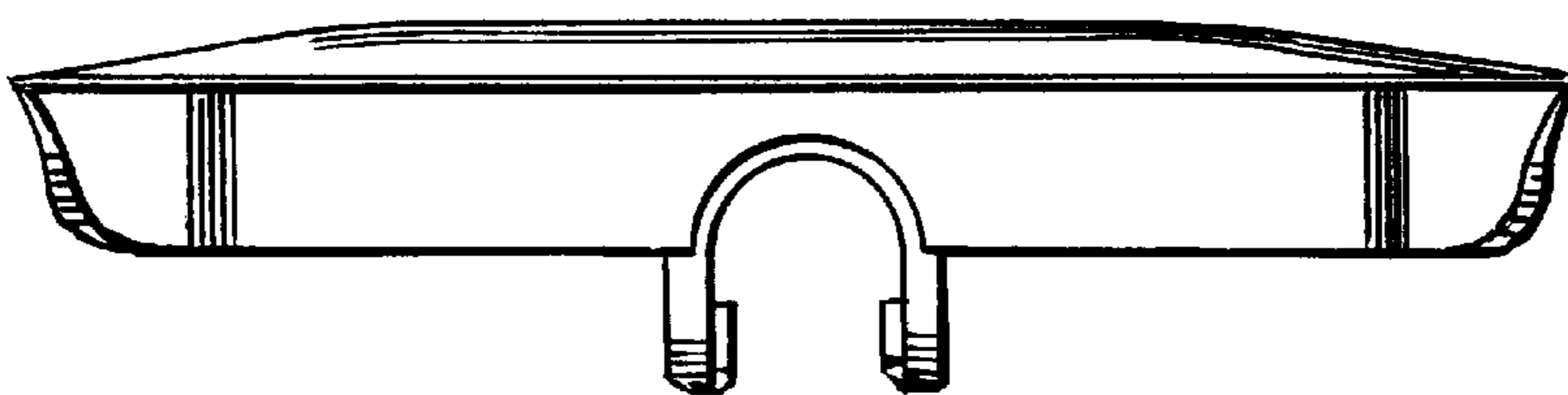


FIG. 11.

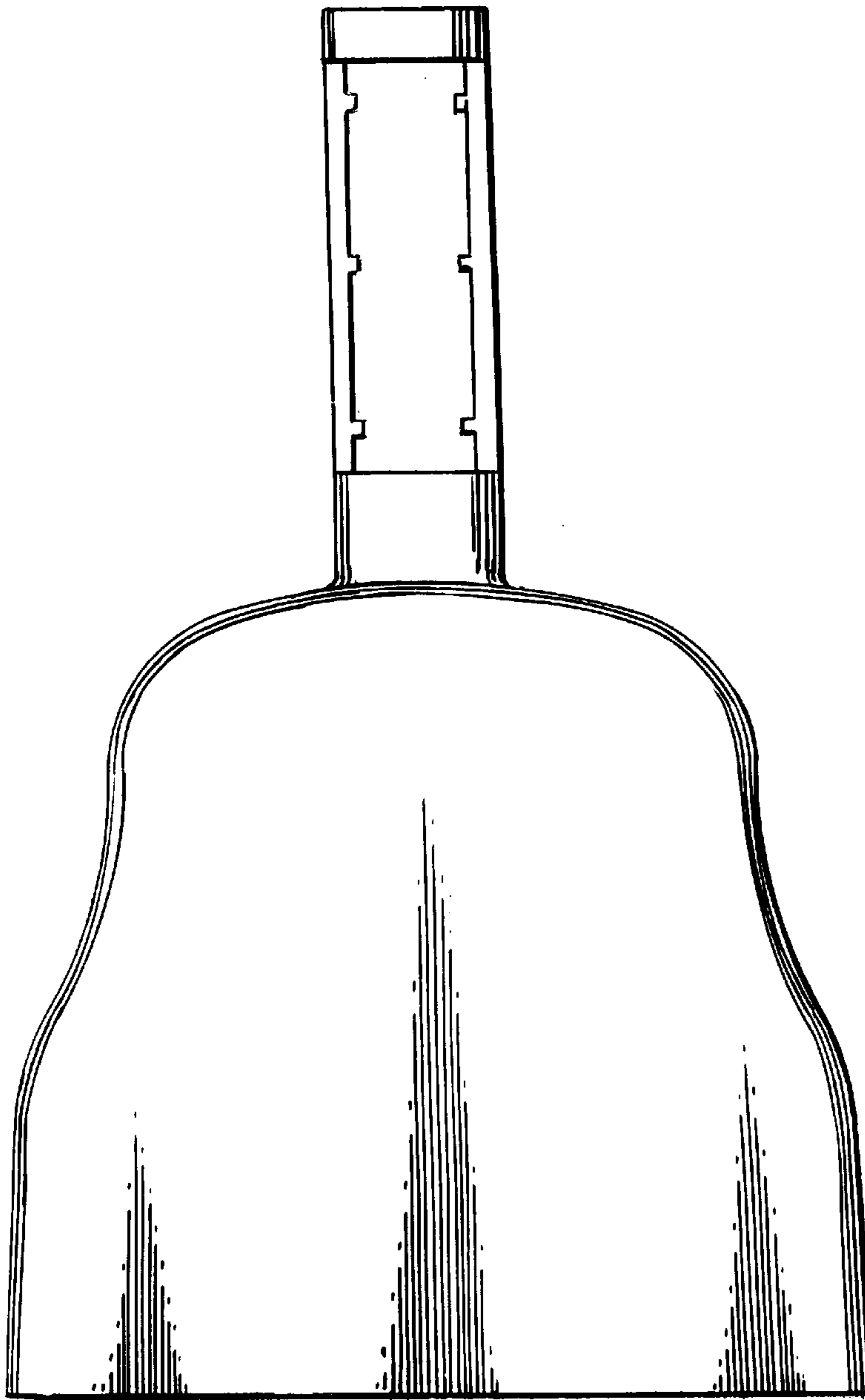


FIG. 12.

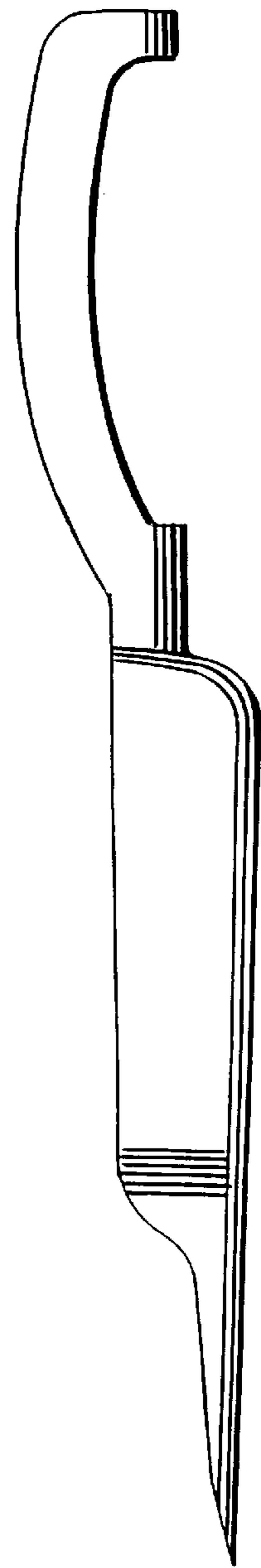


FIG. 13.

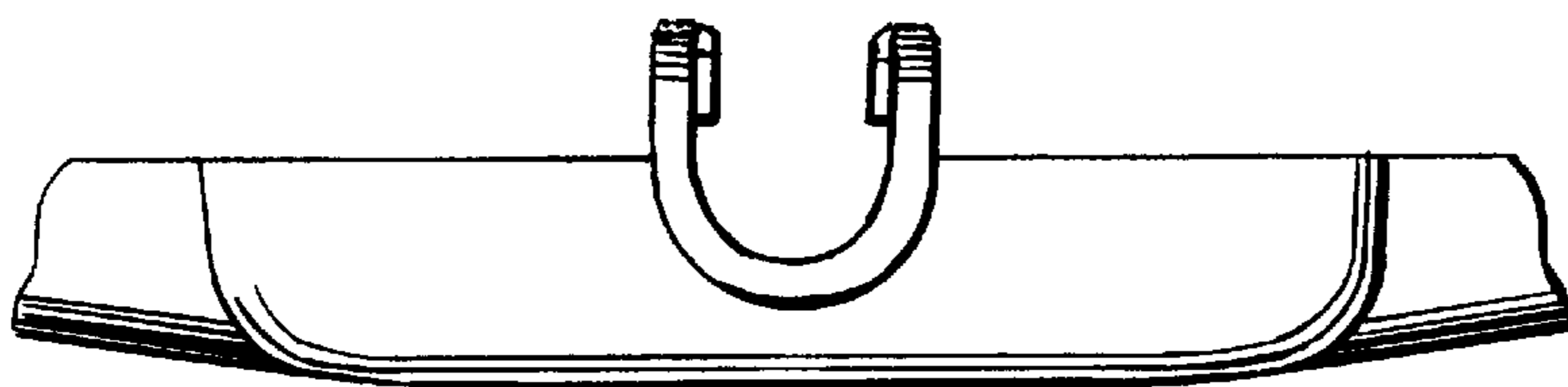


FIG. 14.

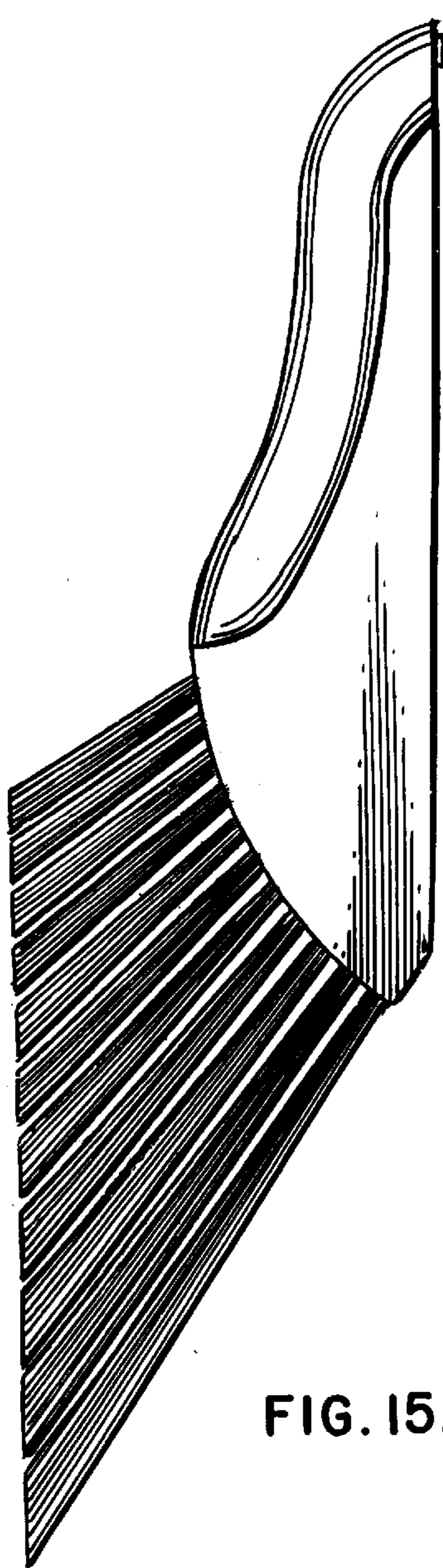


FIG. 15.

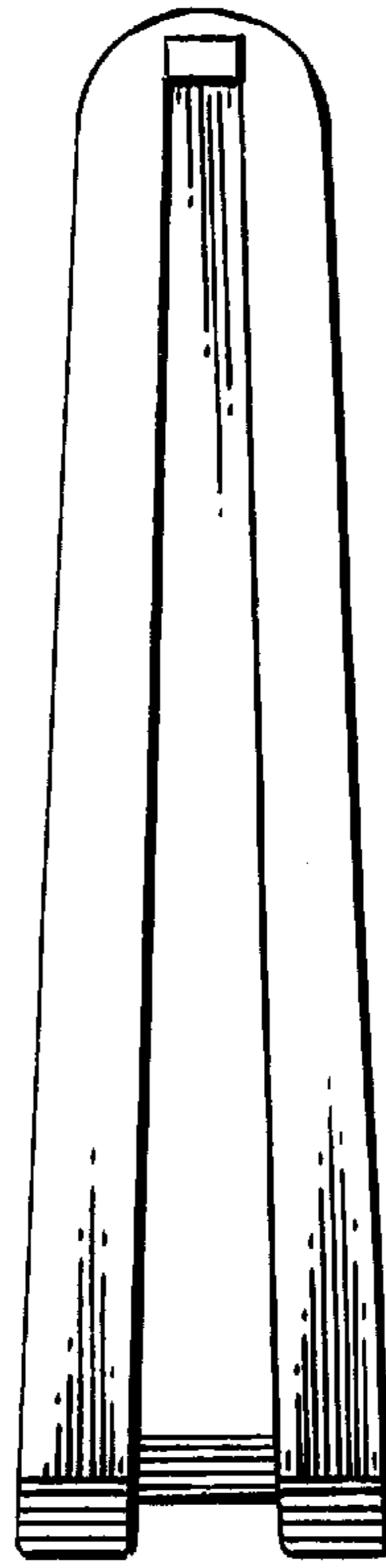


FIG. 16.

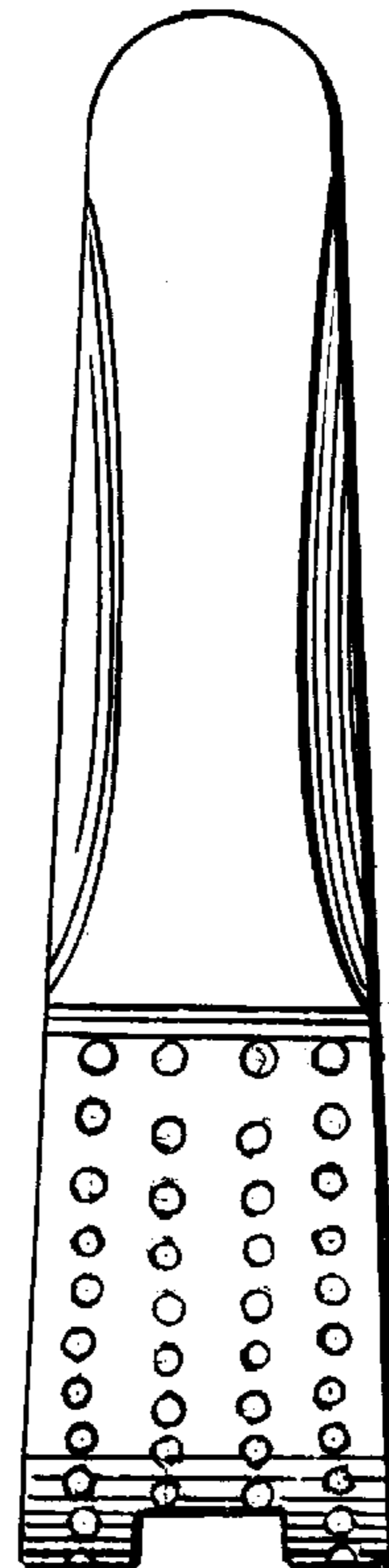


FIG. 17.

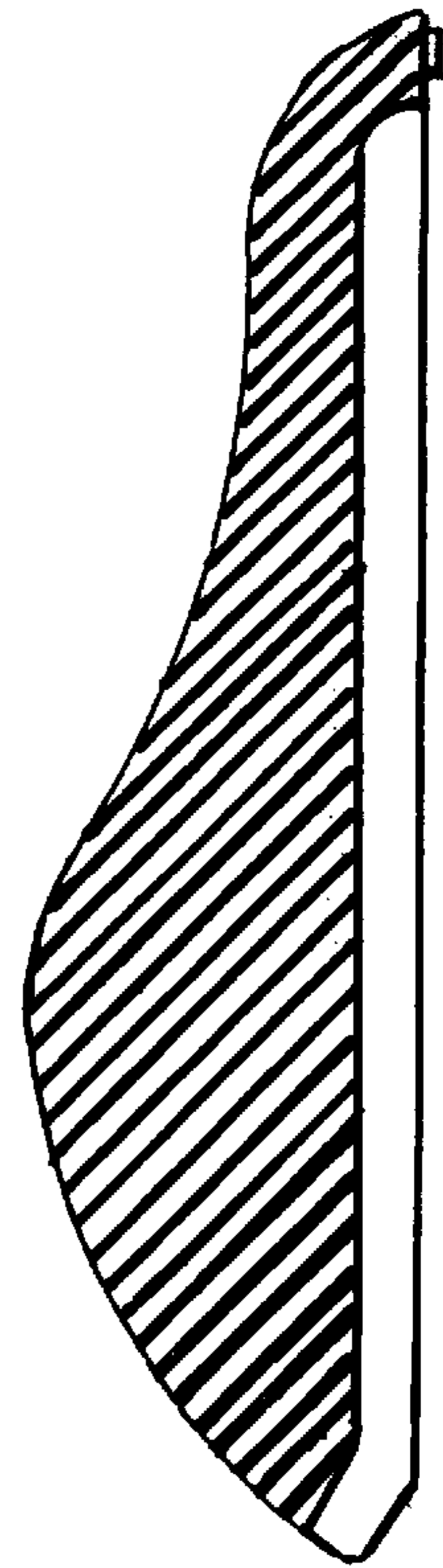


FIG. 20.

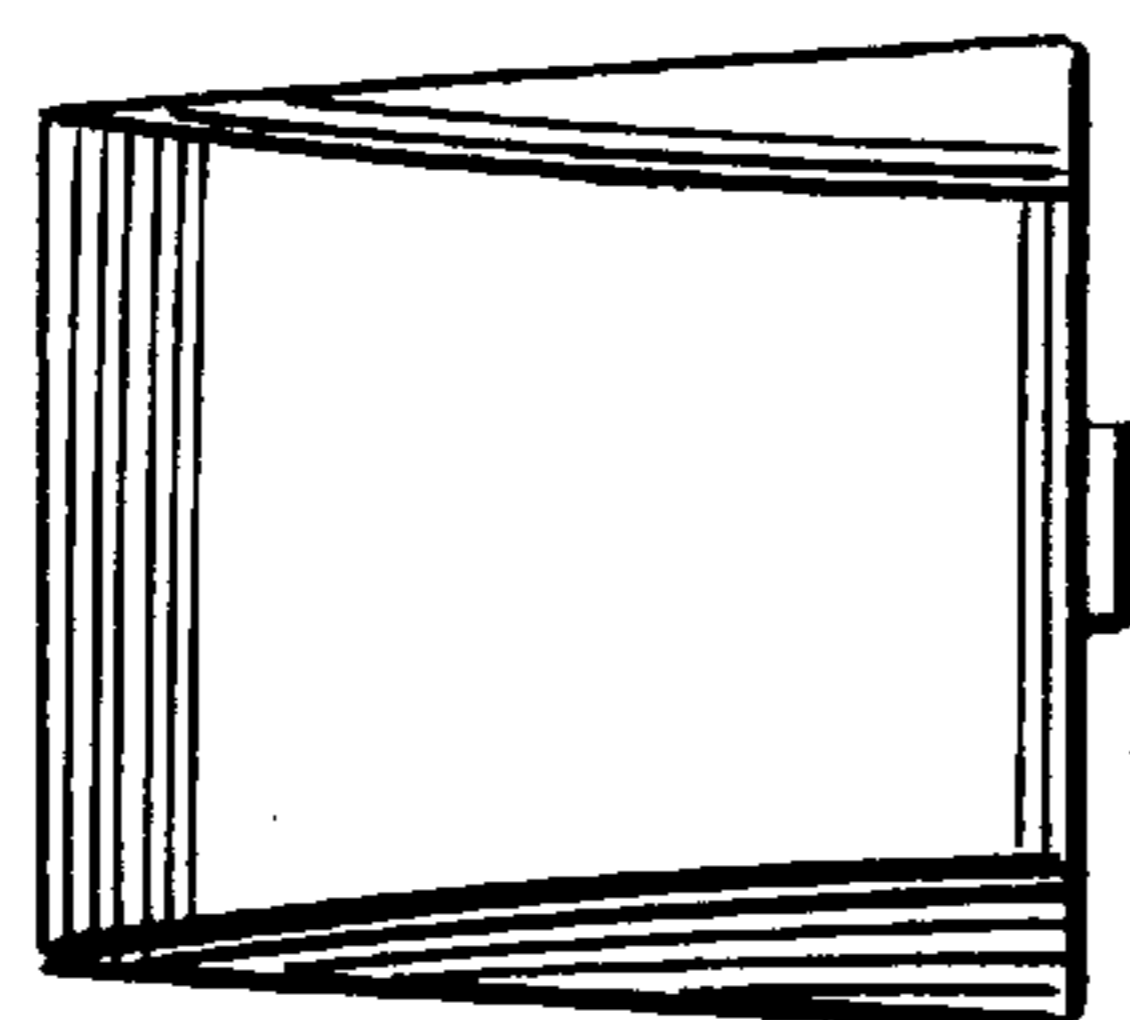


FIG. 18.

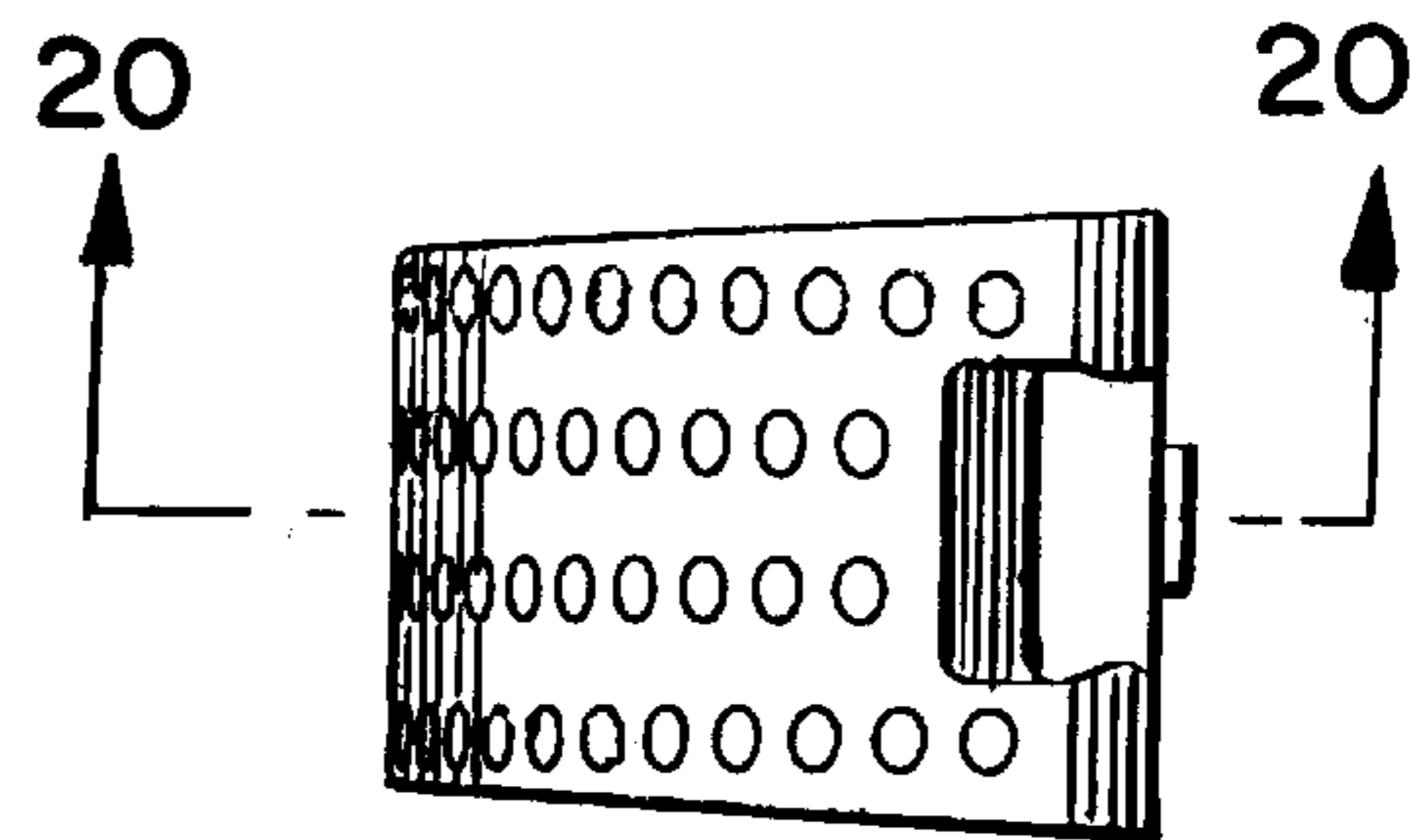


FIG. 19.