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United States Patent [19]

Durian et al.

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[54] LIQUID FILLED COOLING FIN WITH REINFORCING RIBS

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[73] Assignee: McGraw-Edison Company, Houston, Tex.

[**] Term: 14 Years

[21] Appl. No.: 29/079,897

[22] Filed: Nov. 18, 1997

Related U.S. Application Data

[63] Continuation-in-part of application No. 08/496,141, Jun. 28, 1995, Pat. No. 5,894,884.

[51] LOC (7) Cl. 23-03

[52] U.S. Cl. D23/323; D23/354; 62/304; 165/104.19; 165/104.33; 165/170; 165/181; 165/182

[58] Field of Search D23/354, 323; 62/304; 165/104.19, 104.33, 170, 181, 182

[56] References Cited

U.S. PATENT DOCUMENTS

- 1,816,111 7/1931 De Ferranti et al. .
- 2,017,201 10/1935 Bossart et al. .
- 4,745,966 5/1988 Avery 165/104.33

Primary Examiner—B. J. Bullock
Attorney, Agent, or Firm—Fish & Richardson P.C.

[57] CLAIM

The ornamental design for a liquid filled cooling fin with reinforcing ribs, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of a liquid filled cooling fin with reinforcing ribs; the bottom is hidden from view in use, and includes no ornamental design;

FIG. 2 is a reduced end elevational view thereof, the end opposite being a mirror image;

FIG. 3 is a side elevational view thereof, the side opposite being a mirror image;

FIG. 4 is a top plan view of a second embodiment of the design of FIG. 1, the only difference being the extension of the ribs; the bottom is hidden from view in use, and includes no ornamental design;

FIG. 5 is a reduced side elevational view of FIG. 4;

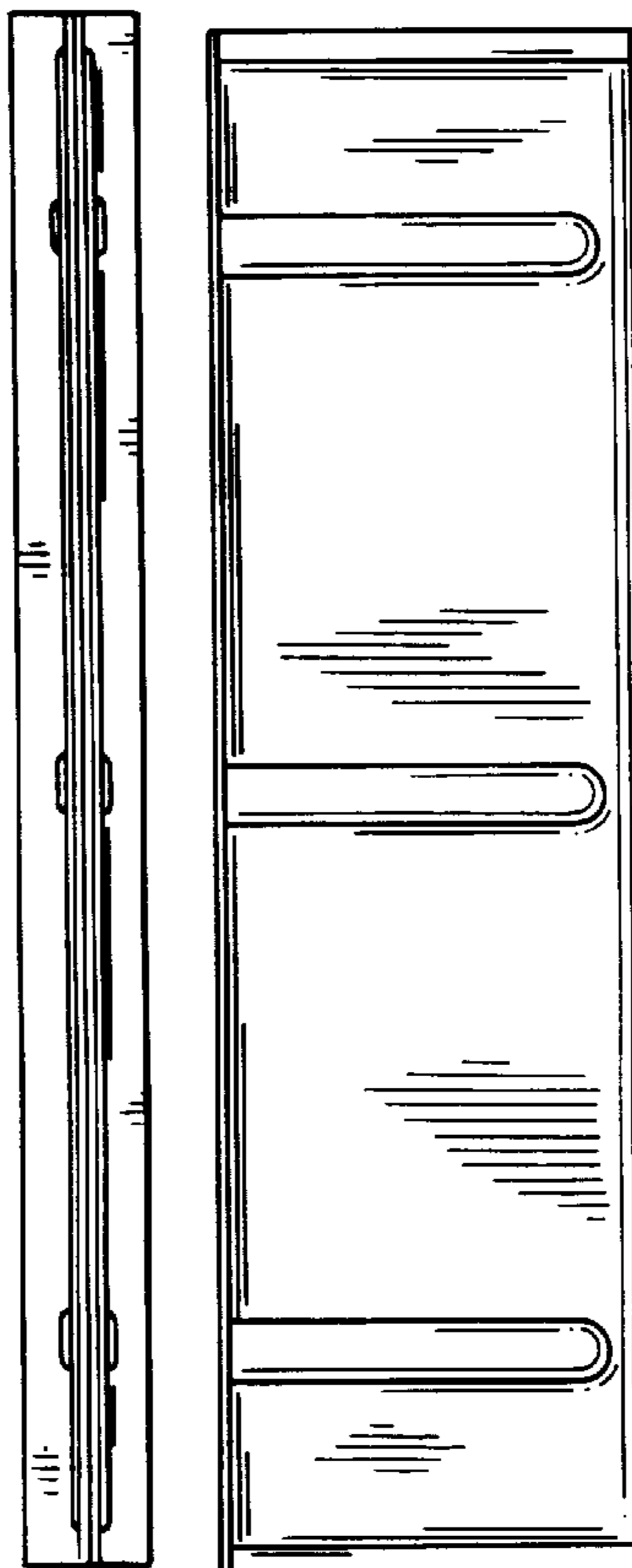
FIG. 6 is an end elevational view of a third embodiment of the design of FIG. 1, the only difference being the number of ribs;

FIG. 7 is a side elevational view of FIG. 6, the side opposite being a mirror image; and,

FIG. 8 is a side elevational view of a fourth embodiment of the design of FIG. 1, the only difference being the number and extension of the ribs, the side opposite being a mirror image.

The broken line(s) which define the bounds of the claimed design form no part thereof.

1 Claim, 3 Drawing Sheets



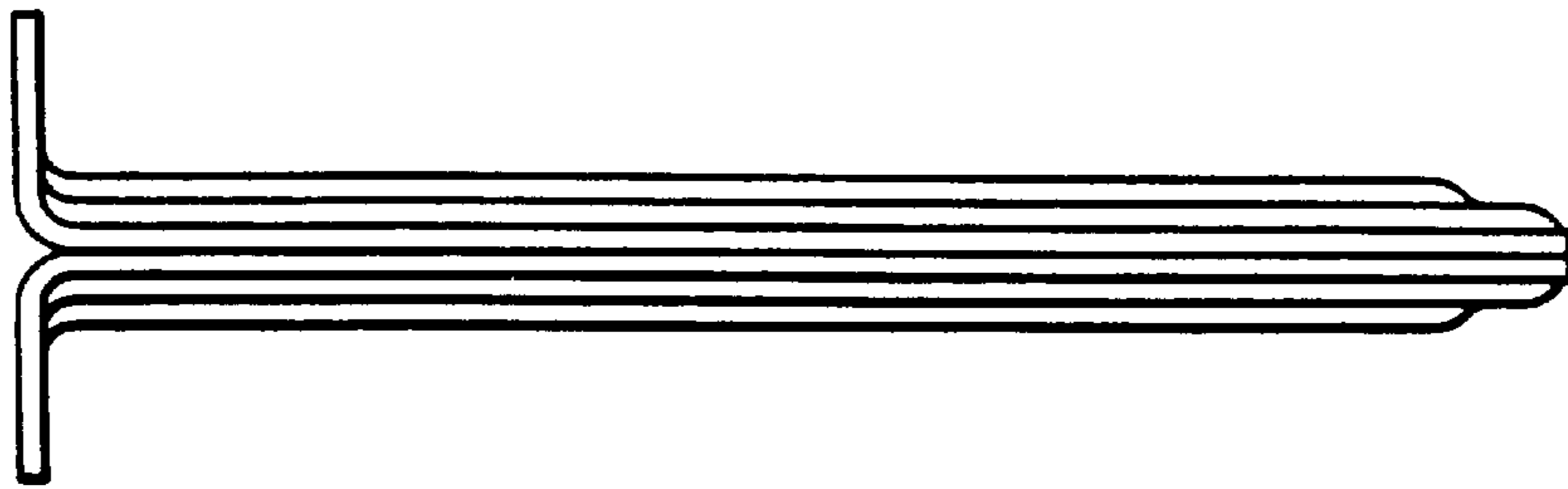


FIG. 1

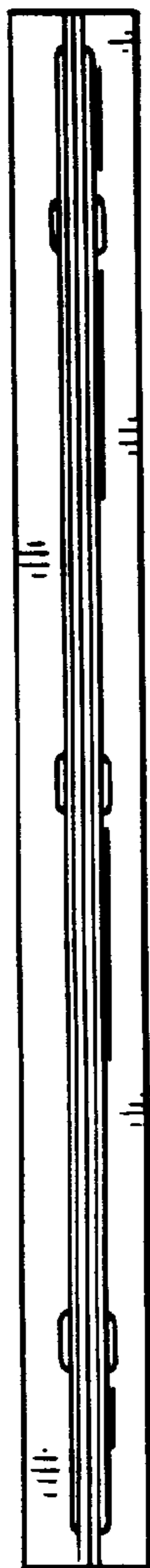


FIG. 2

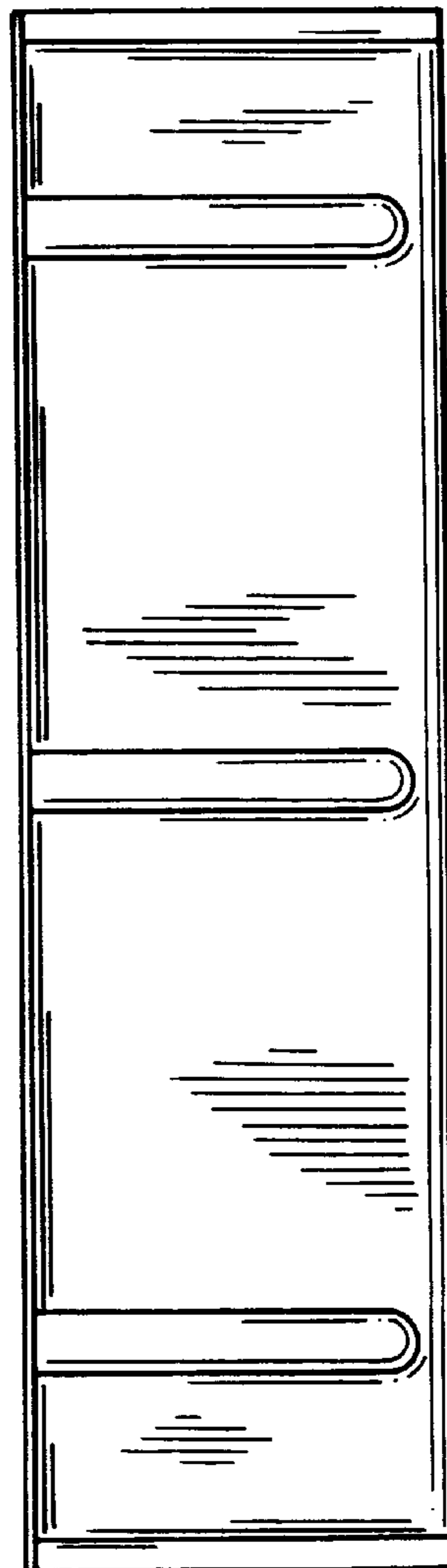


FIG. 3

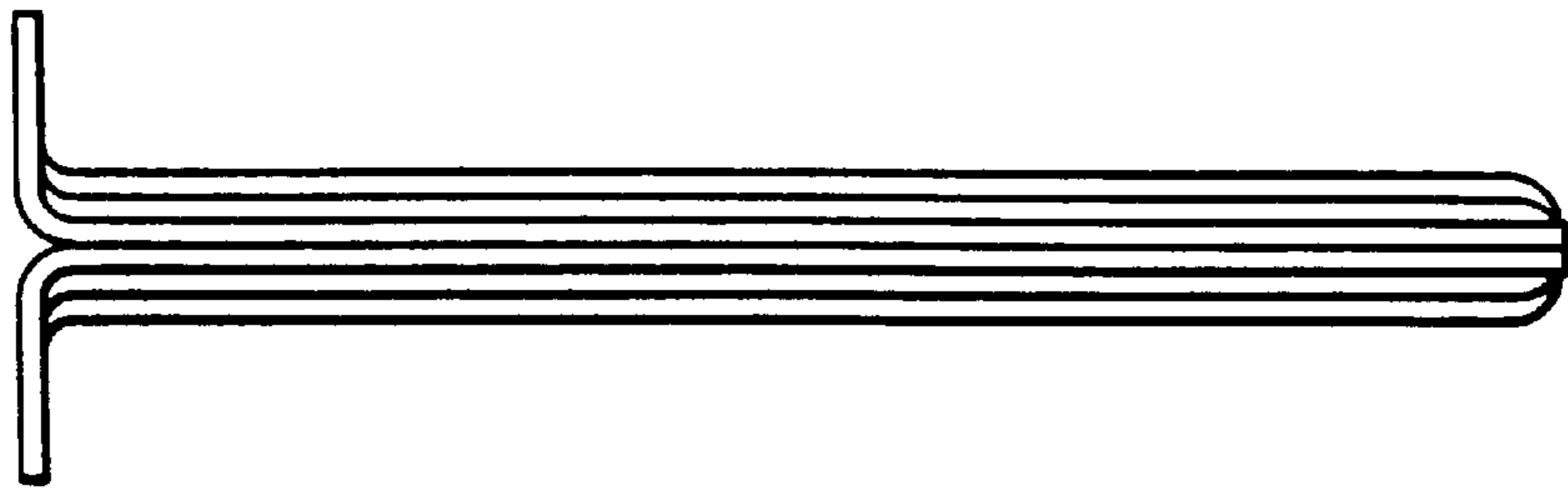


FIG. 4

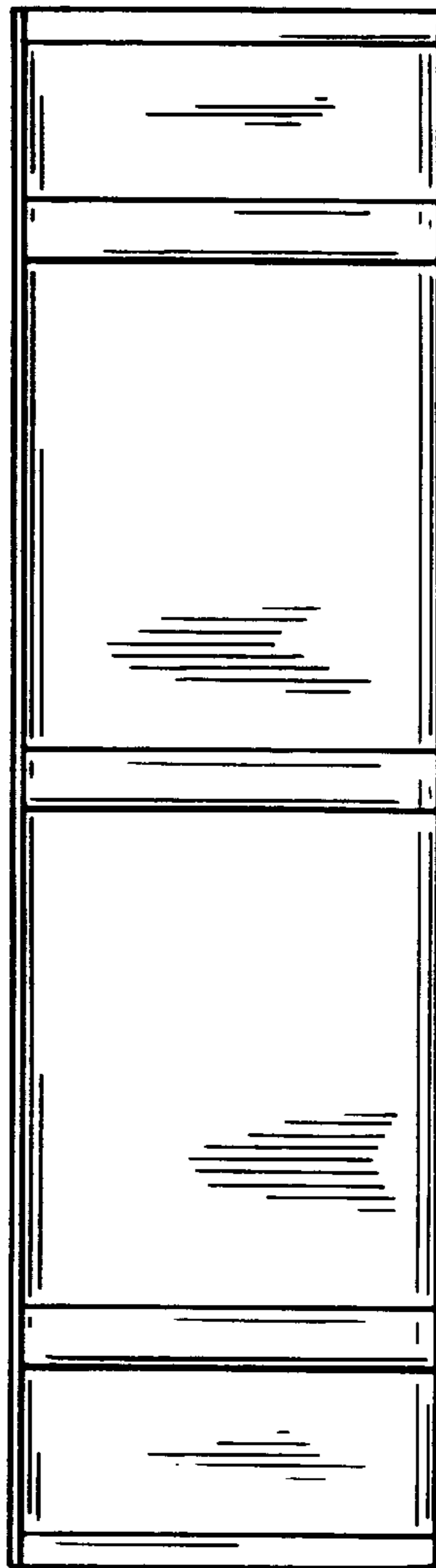


FIG. 5

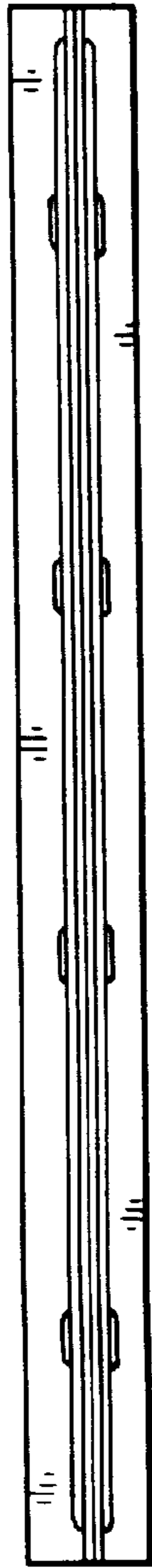


FIG. 6

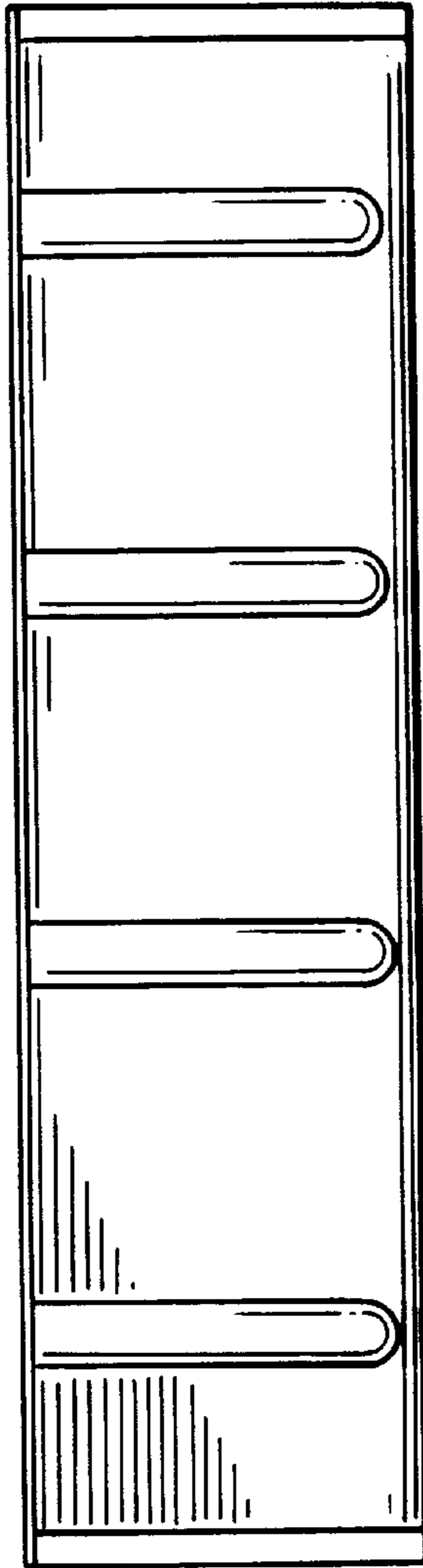


FIG. 7

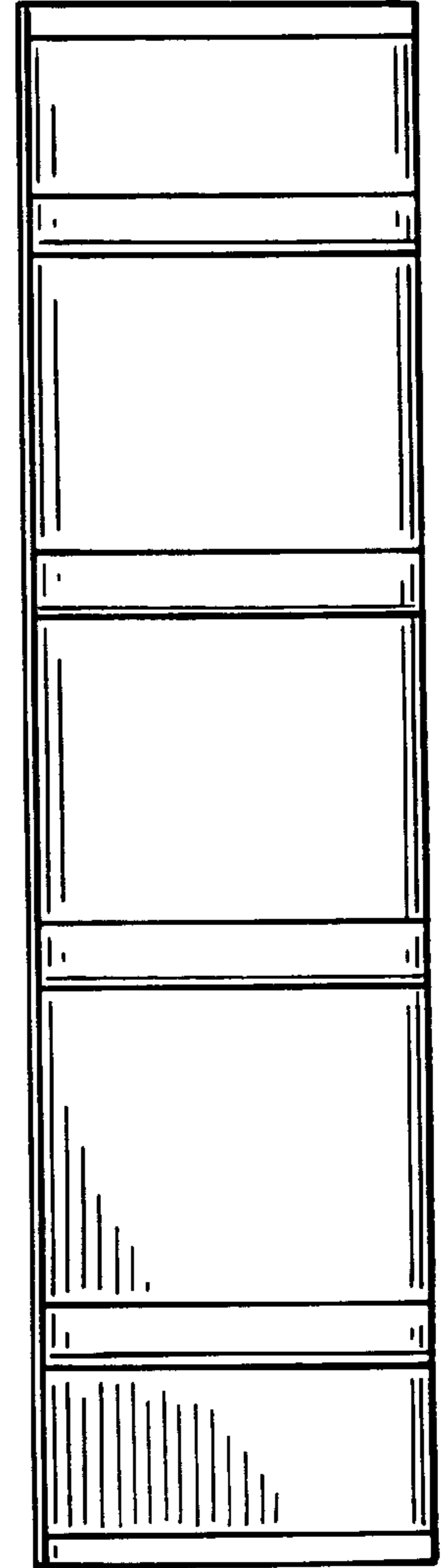


FIG. 8