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# United States Patent [19]

Hatcher, Jr.

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## [54] BROOM CONE WITH SHOULDERS

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

[21] Appl. No.: **29/104,411**

[22] Filed: **May 4, 1999**

[51] LOC (6) Cl. .... **04-99**

[52] U.S. Cl. .... **D4/199**

[58] Field of Search ..... D4/132, 135, 199; D32/35, 40, 50; 15/146, 159.1, 160, 168, 171, 175

## [56] References Cited

### U.S. PATENT DOCUMENTS

|            |         |          |       |        |
|------------|---------|----------|-------|--------|
| D. 161,653 | 1/1951  | Sacks    | ..... | D4/199 |
| D. 228,532 | 10/1973 | Garland  | ..... | D4/199 |
| D. 228,533 | 10/1973 | Garland  | ..... | D4/199 |
| 932,899    | 8/1909  | Plunkett | ..... | 15/171 |

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Attorney, Agent, or Firm—Walker McKenzie & Walker, P.C.

## [57] CLAIM

The ornamental design for a broom cone with shoulders, as shown and described.

## DESCRIPTION

FIG. 1 is a front elevational view of a broom cone with shoulders, showing a first embodiment of the new design, the rear elevation being a mirror image thereof.

FIG. 2 is a right side elevational view of the broom cone with shoulders of FIG. 1, the left side elevation being a mirror image thereof.

FIG. 3 is a sectional view as taken on line 3—3 of FIG. 1.

FIG. 4 is a sectional view as taken on line 4—4 of FIG. 2.

FIG. 5 is a top plan view of the broom cone with shoulders of FIG. 1.

FIG. 6 is a bottom plan view of the broom cone with shoulders of FIG. 1.

FIG. 7 is a sectional view as taken on line 7—7 of FIG. 1.

FIG. 8 is a front elevational view of a broom cone with shoulders, showing a second embodiment of the new design with certain environmental structure (i.e., a portion of a broom handle and portions of broom bristles) shown in broken lines, the rear elevation being a mirror image thereof.

FIG. 9 is a right side elevational view of the broom cone with shoulders of FIG. 8 also with certain environmental structures (i.e., a portion of a broom handle and portions of broom bristles) shown in broken lines, the left side elevation being a mirror image thereof.

FIG. 10 is a top plan view of the broom cone with shoulders of FIG. 8 without the environmental structure.

FIG. 11 is a bottom plan view of the broom cone with shoulders of FIG. 8 without the environmental structure; and,

FIG. 12 is a sectional view as taken on line 12—12 of FIG. 8 without the environmental structure.

The claimed design relates to a cone that is positioned over the junction between one end of the handle and one end of the bristles of a broom.

The broken lines are for illustrative purposes only and form no part of the claimed design.

1 Claim, 2 Drawing Sheets

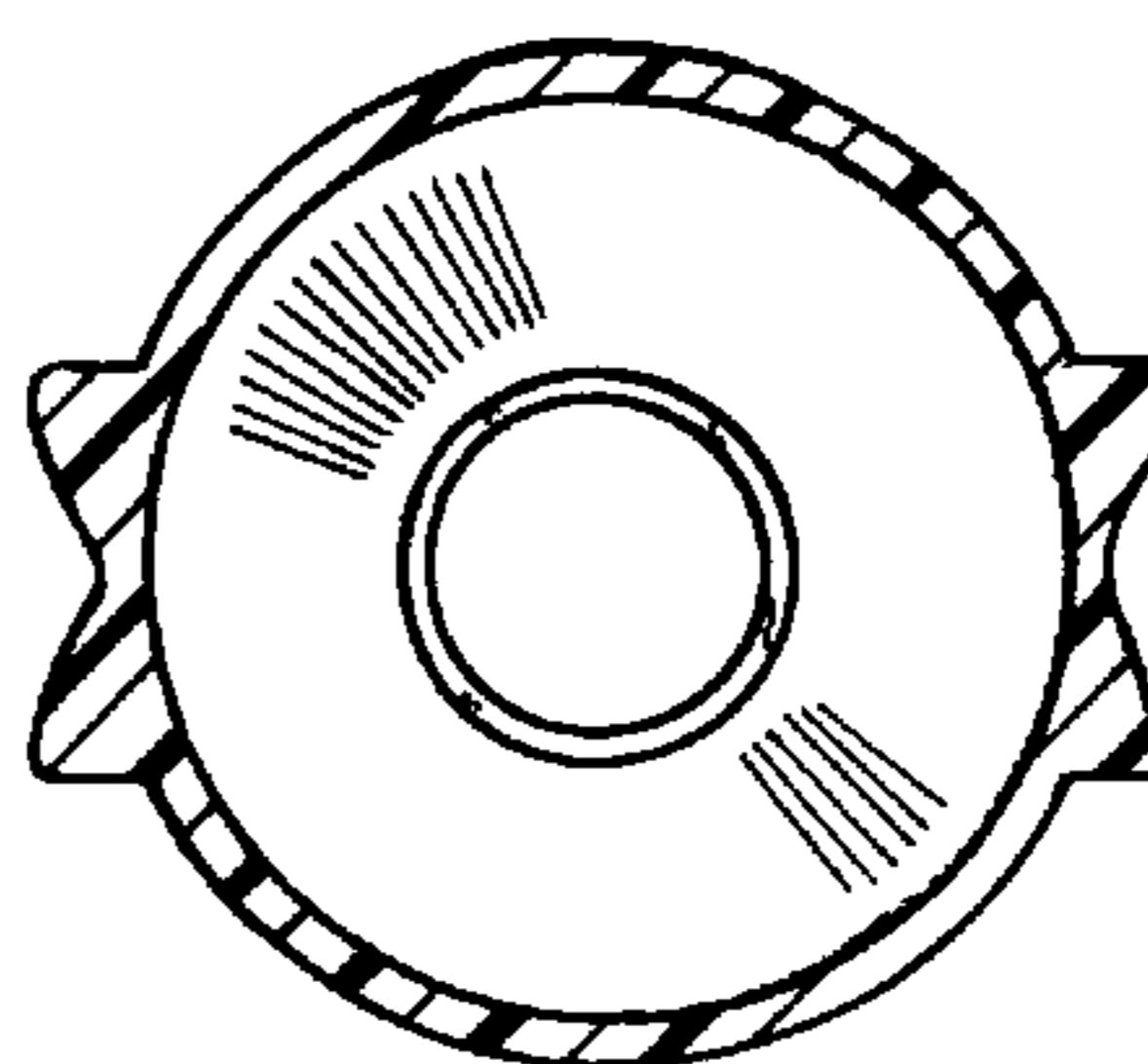
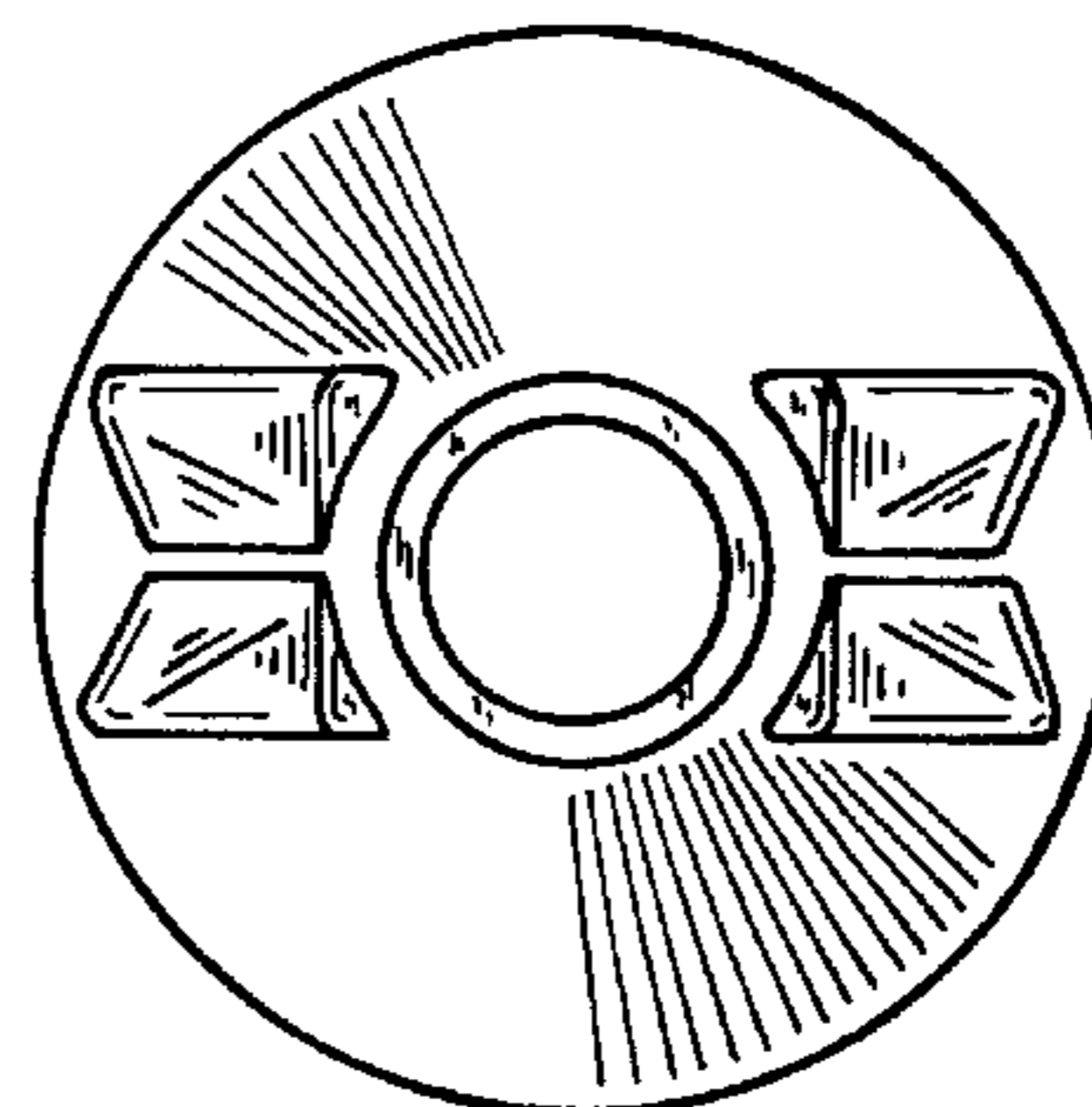
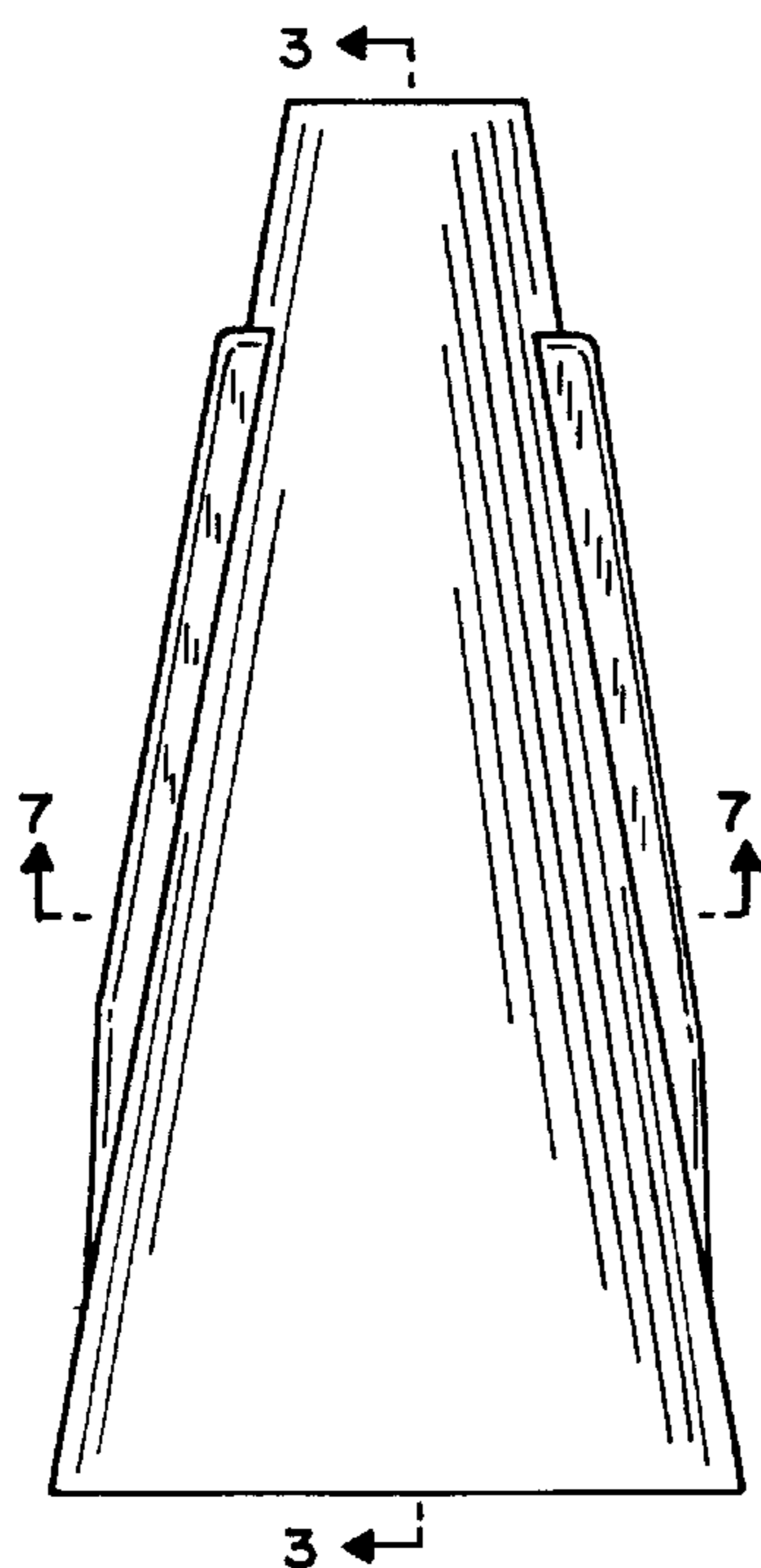


FIG. 1

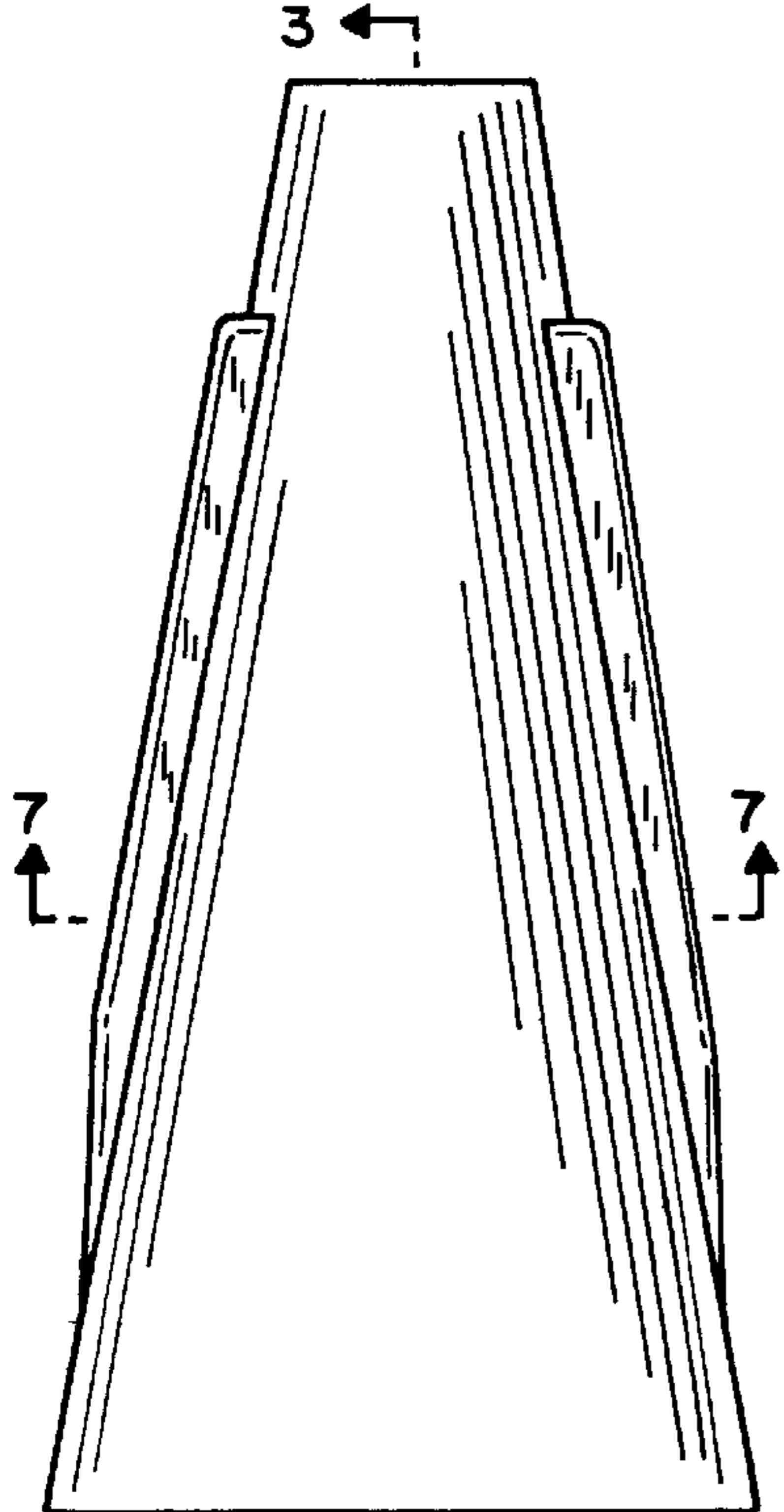


FIG. 2

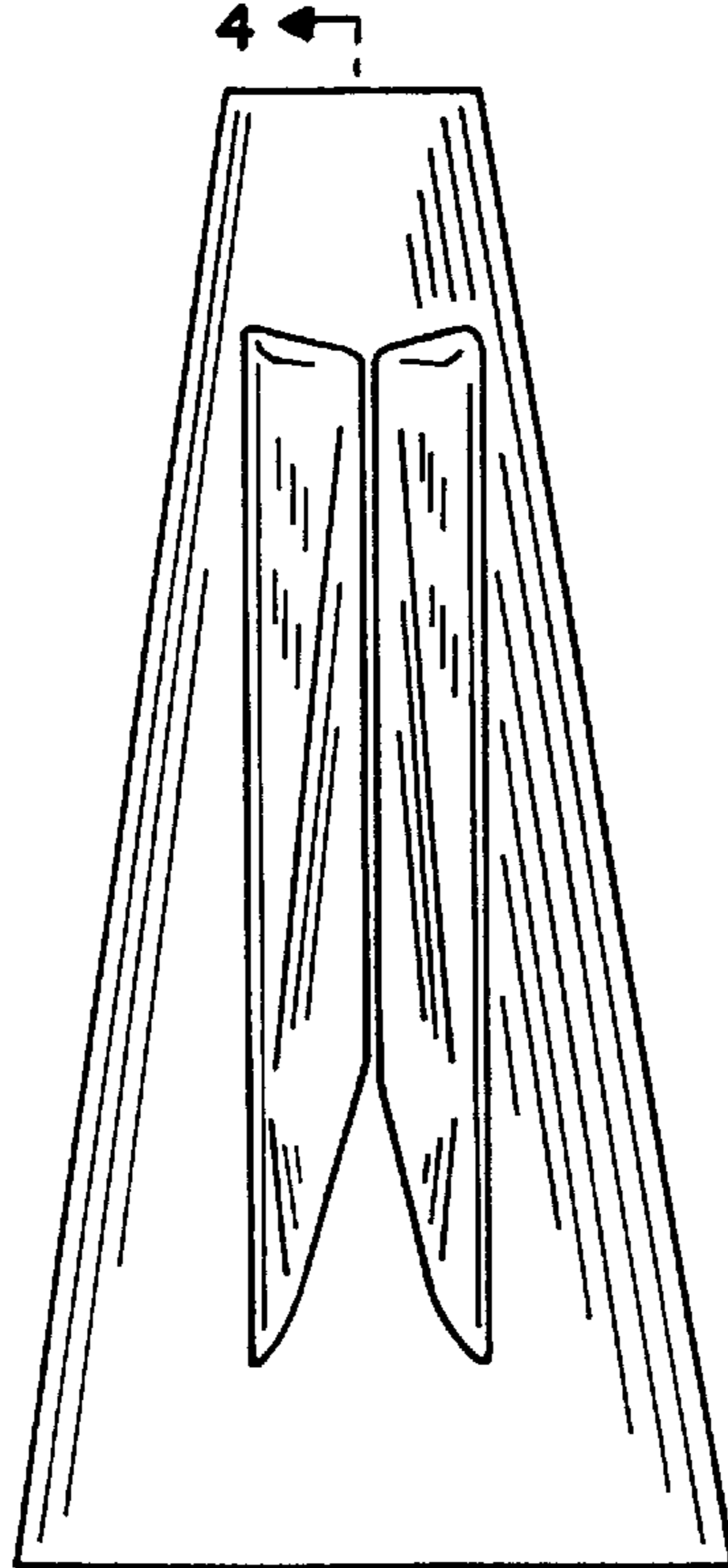


FIG. 3

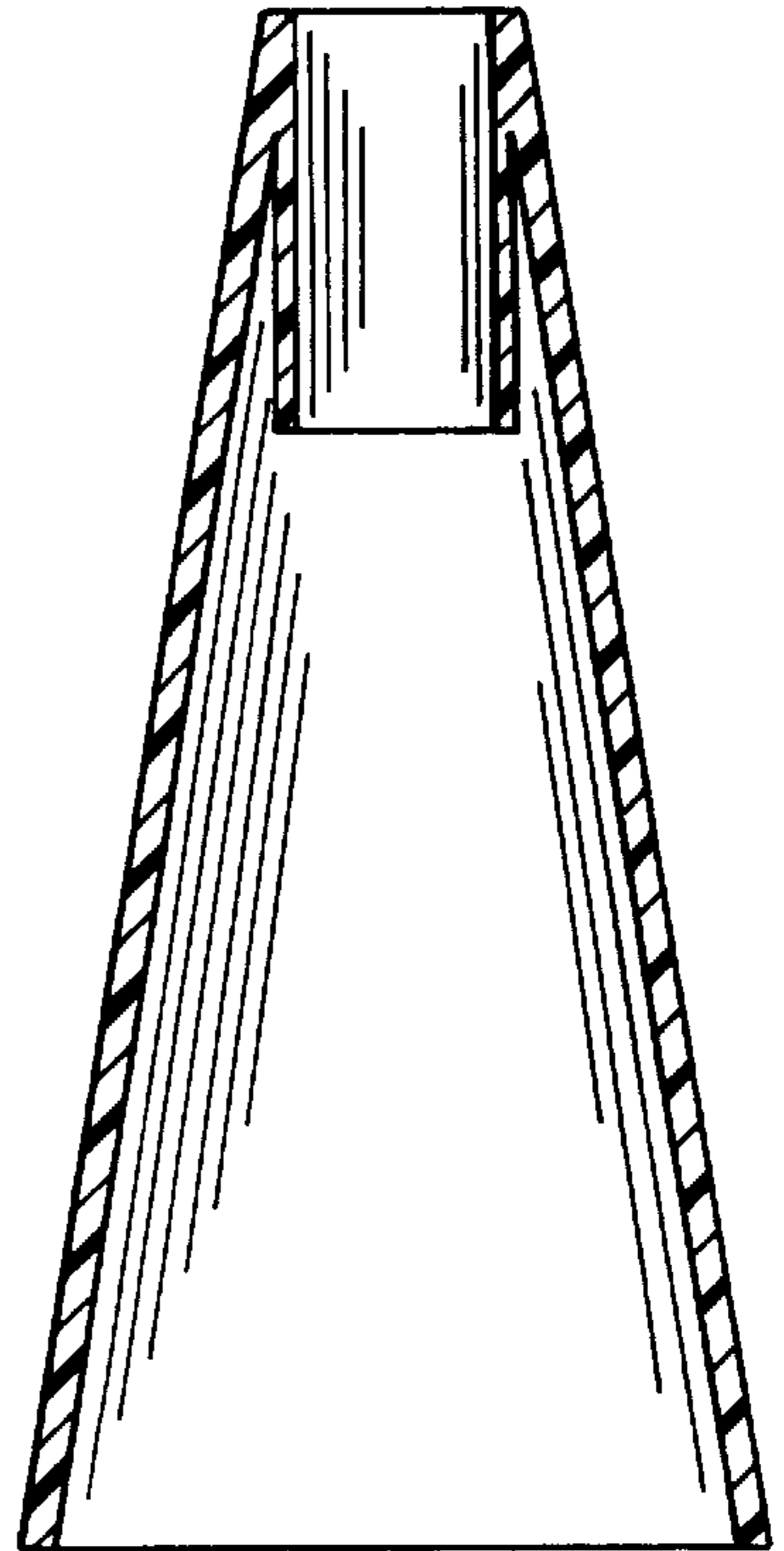


FIG. 4

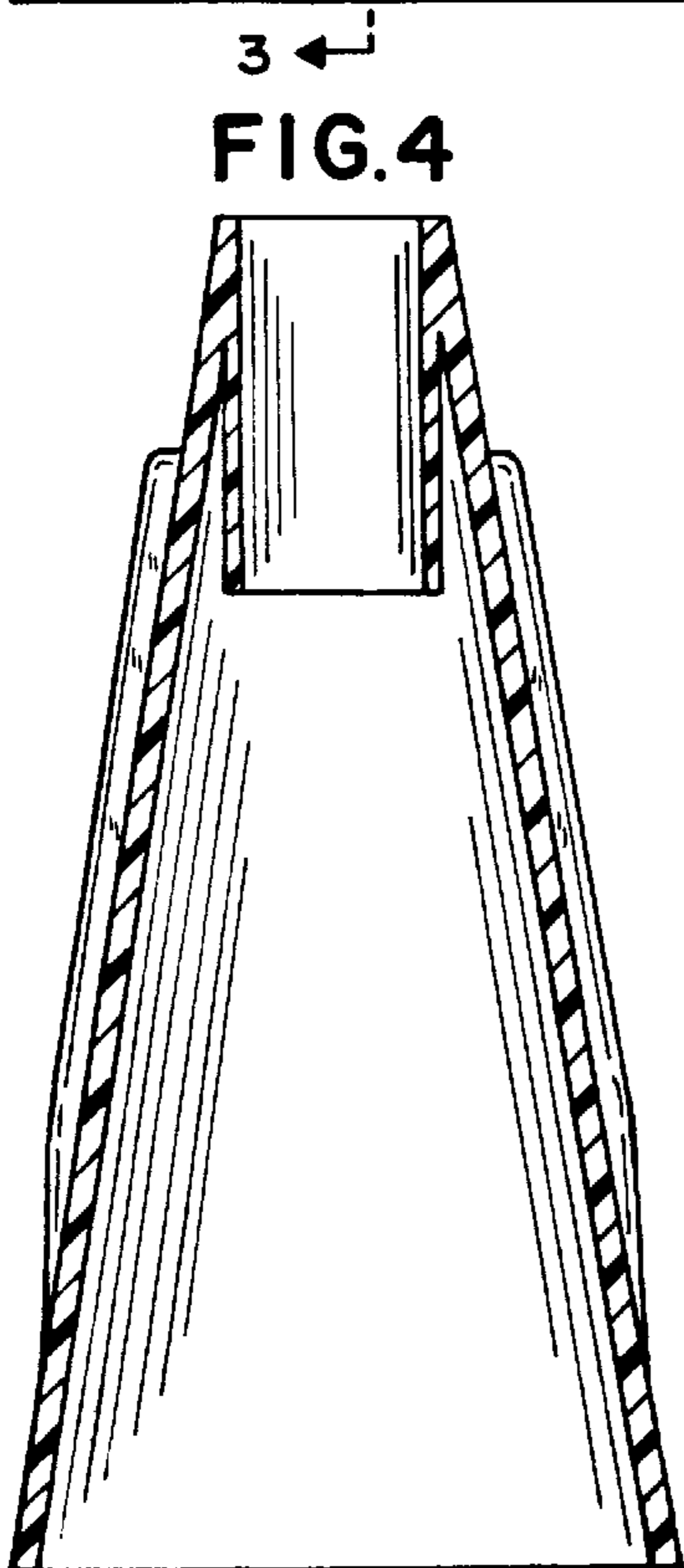


FIG. 5

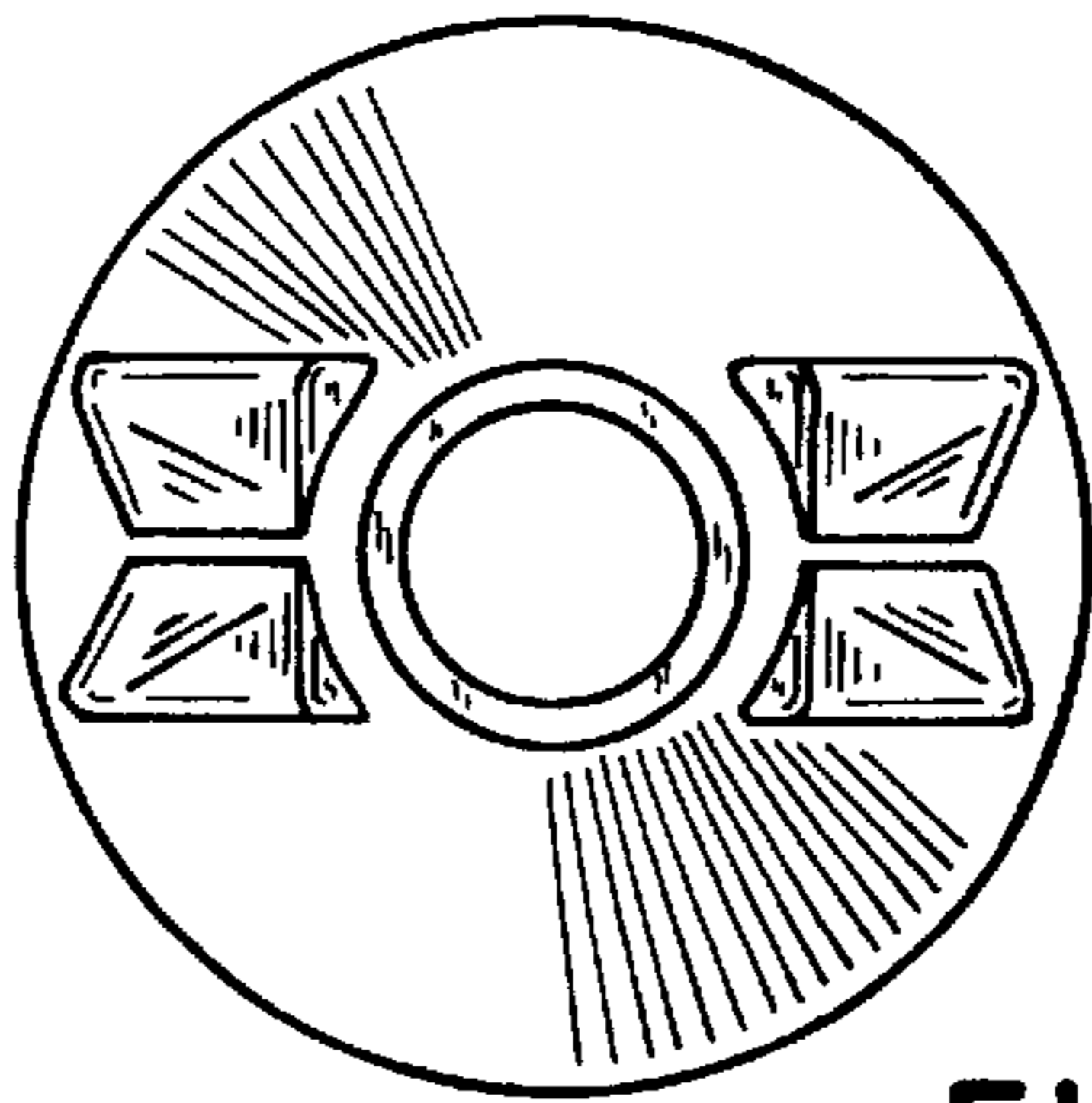


FIG. 6

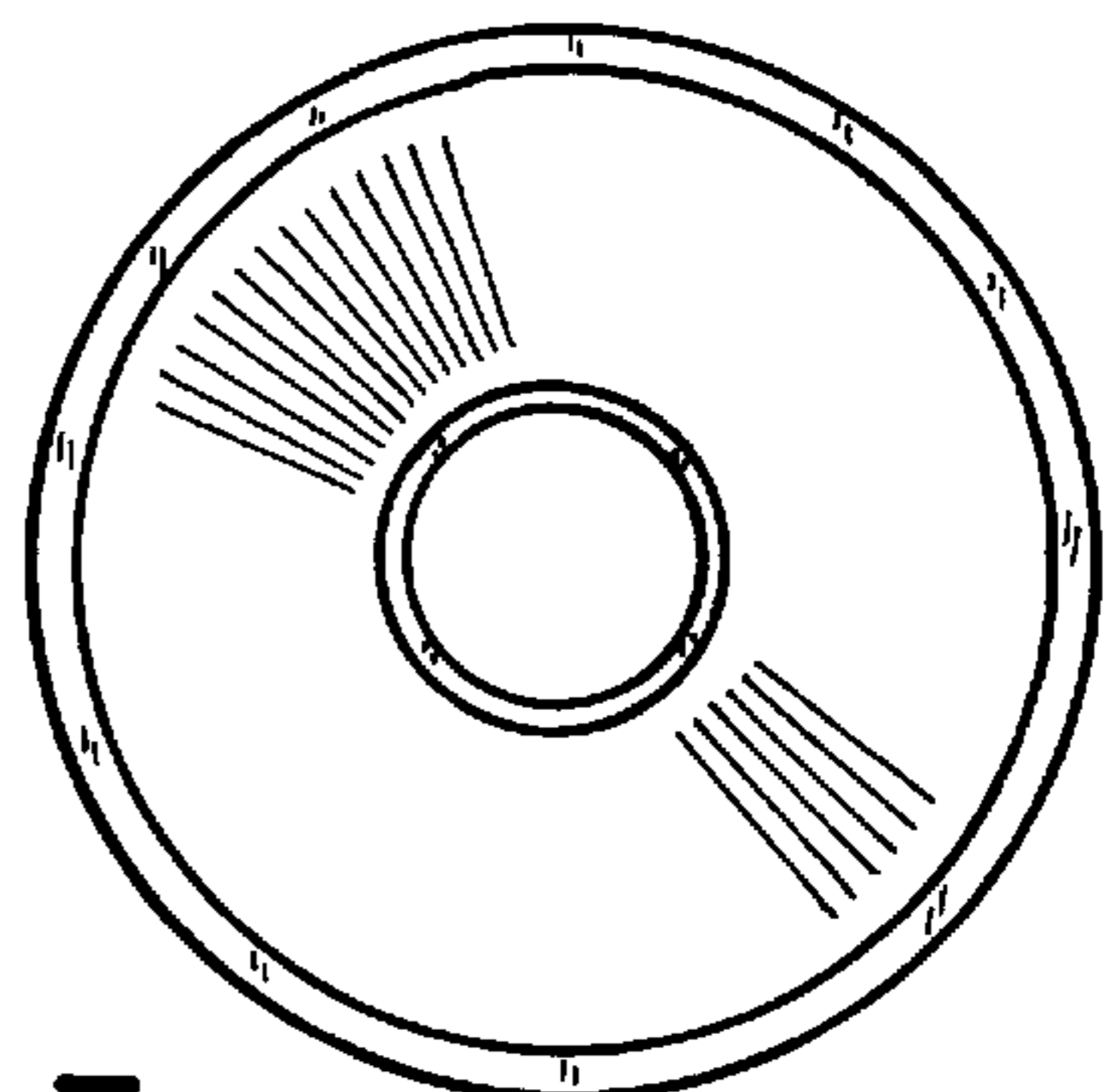


FIG. 7

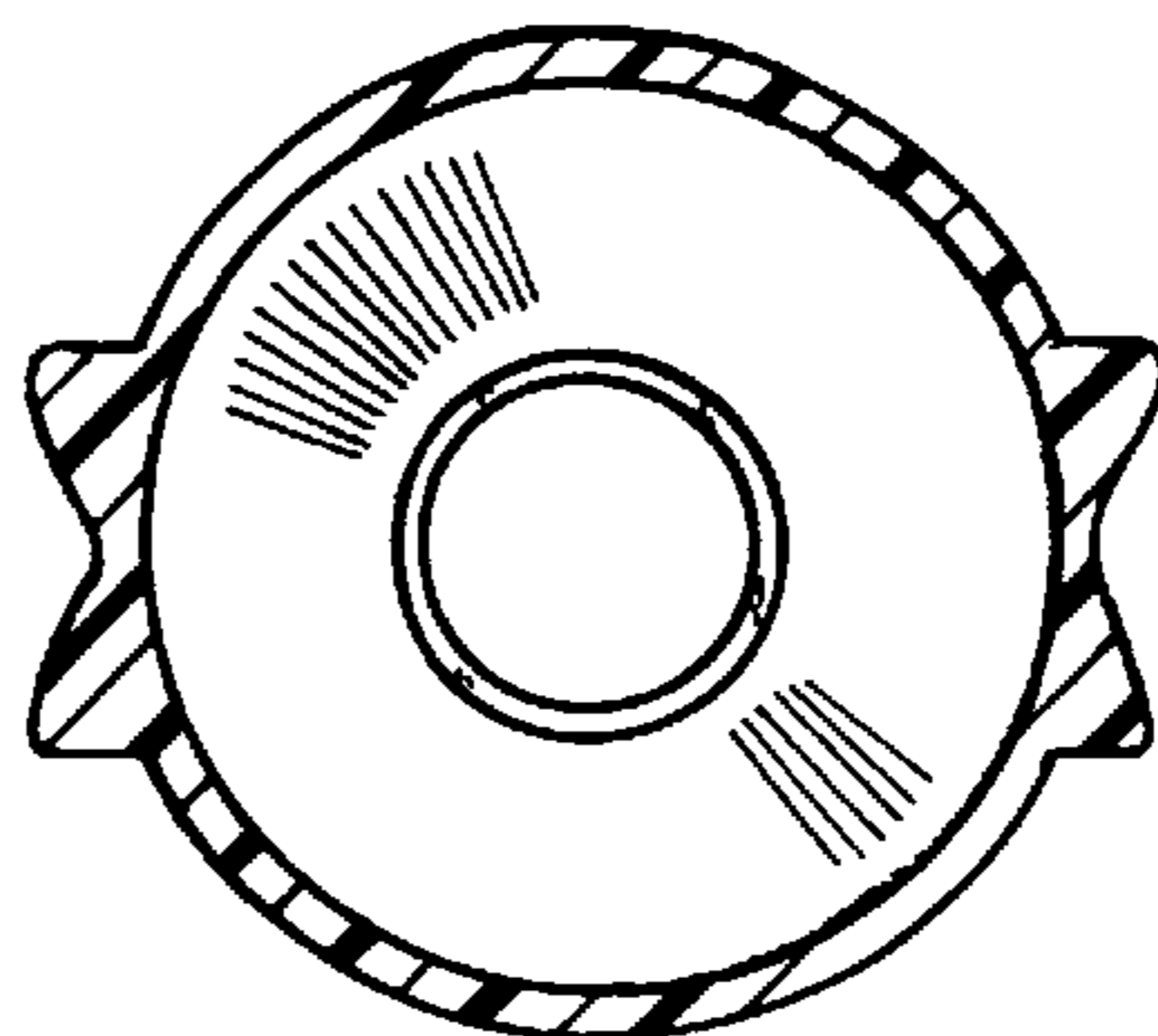


FIG. 8

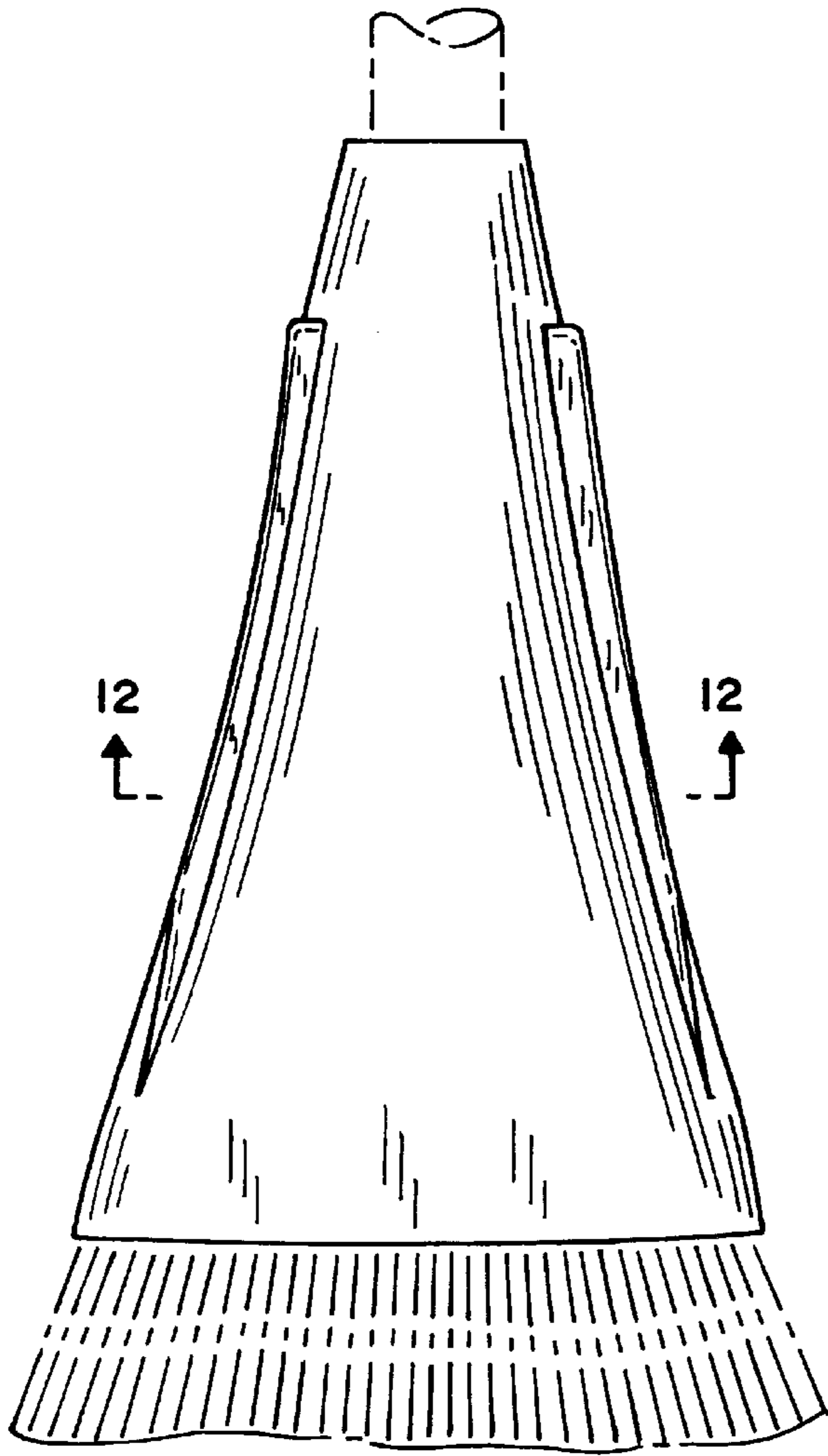


FIG. 9

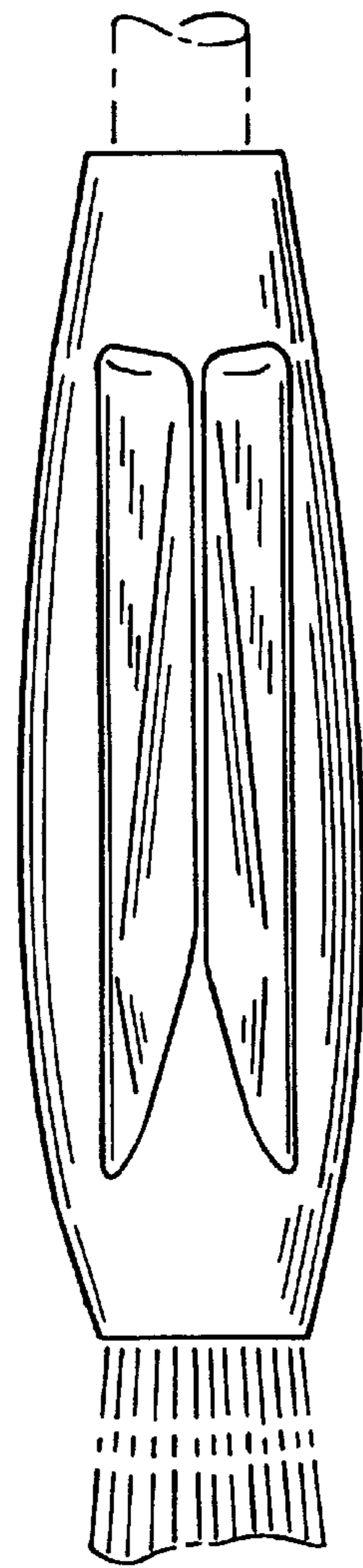


FIG. 10

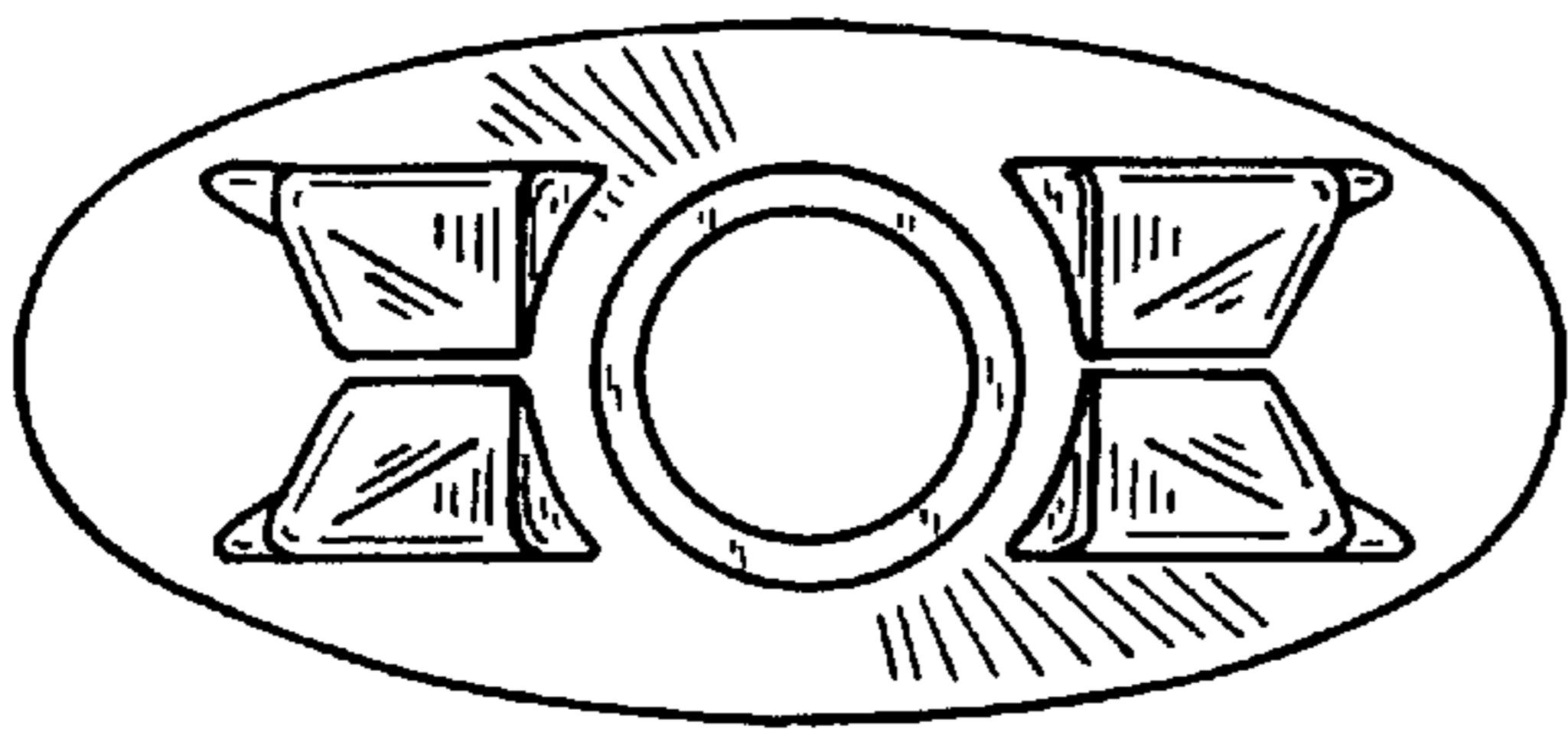


FIG. 11

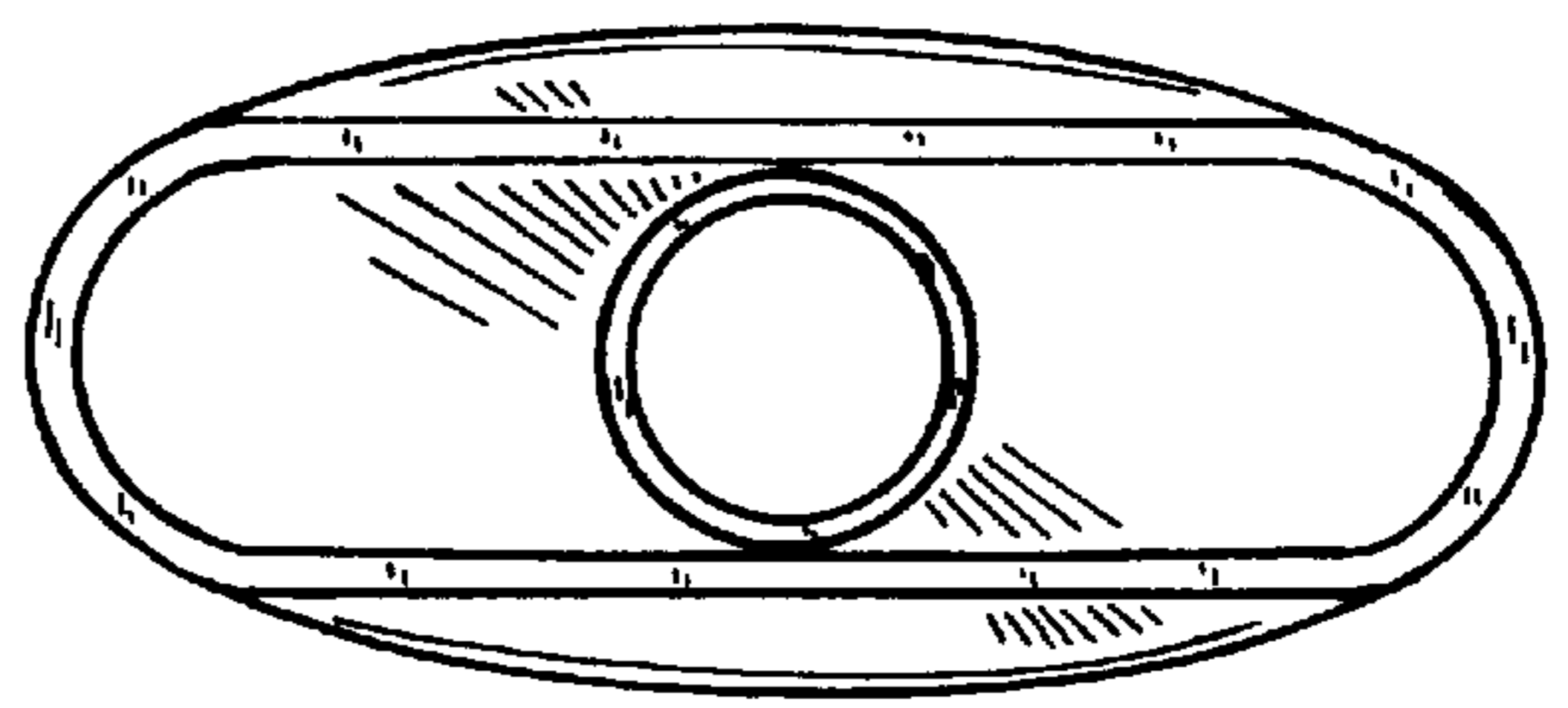


FIG. 12

