



US00D441155S

(12) **United States Design Patent**
Thur et al.

(10) **Patent No.:** **US D441,155 S**

(45) **Date of Patent:** **** Apr. 24, 2001**

(54) **FILTER FOR VACUUM CLEANER**

5,681,363 10/1997 Tucker et al. .

5,733,351 * 3/1998 Hult et al. 55/486

(75) Inventors: **Charles J. Thur**, Mentor; **Mark E. Cipolla**, Chardon, both of OH (US)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **Royal Appliance Mfg. Co.**, Cleveland, OH (US)

1049292 11/1966 (GB) .

2265096 9/1993 (GB) .

(**) Term: **14 Years**

* cited by examiner

(21) Appl. No.: **29/098,792**

Primary Examiner—Mitchell Siegel

(22) Filed: **Jan. 6, 1999**

(74) *Attorney, Agent, or Firm*—Fay, Sharpe, Fagan, Minnich & McKee, LLP

(51) **LOC (7) Cl.** **15-05**

(52) **U.S. Cl.** **D32/31**

(58) **Field of Search** D32/30-31; 210/493.1, 210/493.2, 493.5, 497, 497.2, 348; 55/498, 486, 487

(57) **CLAIM**

The ornamental design for a filter for vacuum cleaner, as shown and described.

(56) **References Cited**

DESCRIPTION

U.S. PATENT DOCUMENTS

D. 289,813 * 5/1987 Jansson et al. D32/30

D. 400,323 * 10/1998 Scanion D32/30

3,320,727 5/1967 Farley et al. .

4,609,387 9/1986 Berfield et al. .

4,906,265 3/1990 Berfield .

FIG. 1 is a front elevational view of the filter for vacuum cleaner showing our new design;

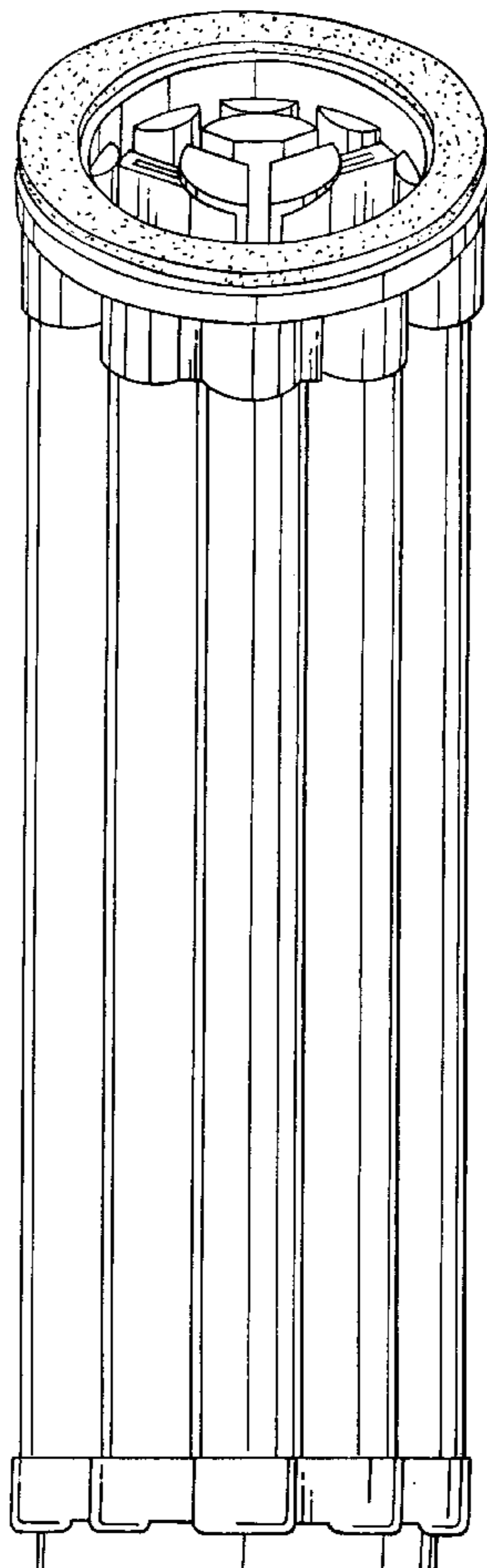
FIG. 2 is a top plan view thereof;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a left side elevational view thereof, with the right side elevational view being a mirror image thereof; and,

FIG. 5 is a rear elevational view thereof.

1 Claim, 2 Drawing Sheets



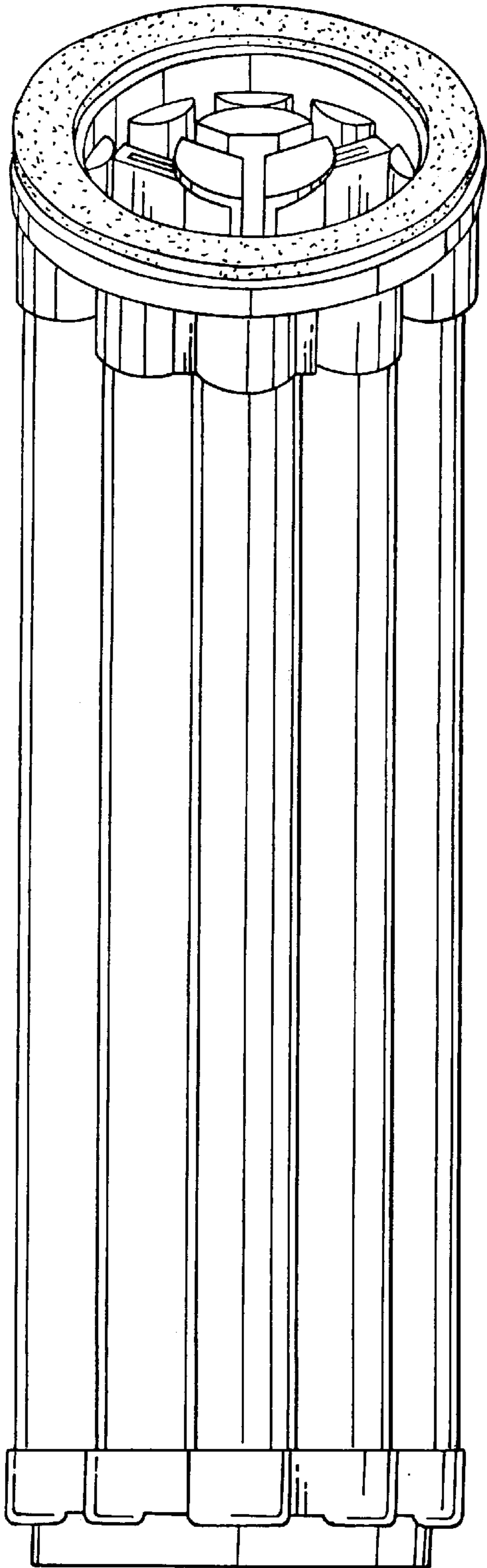


FIG. 1

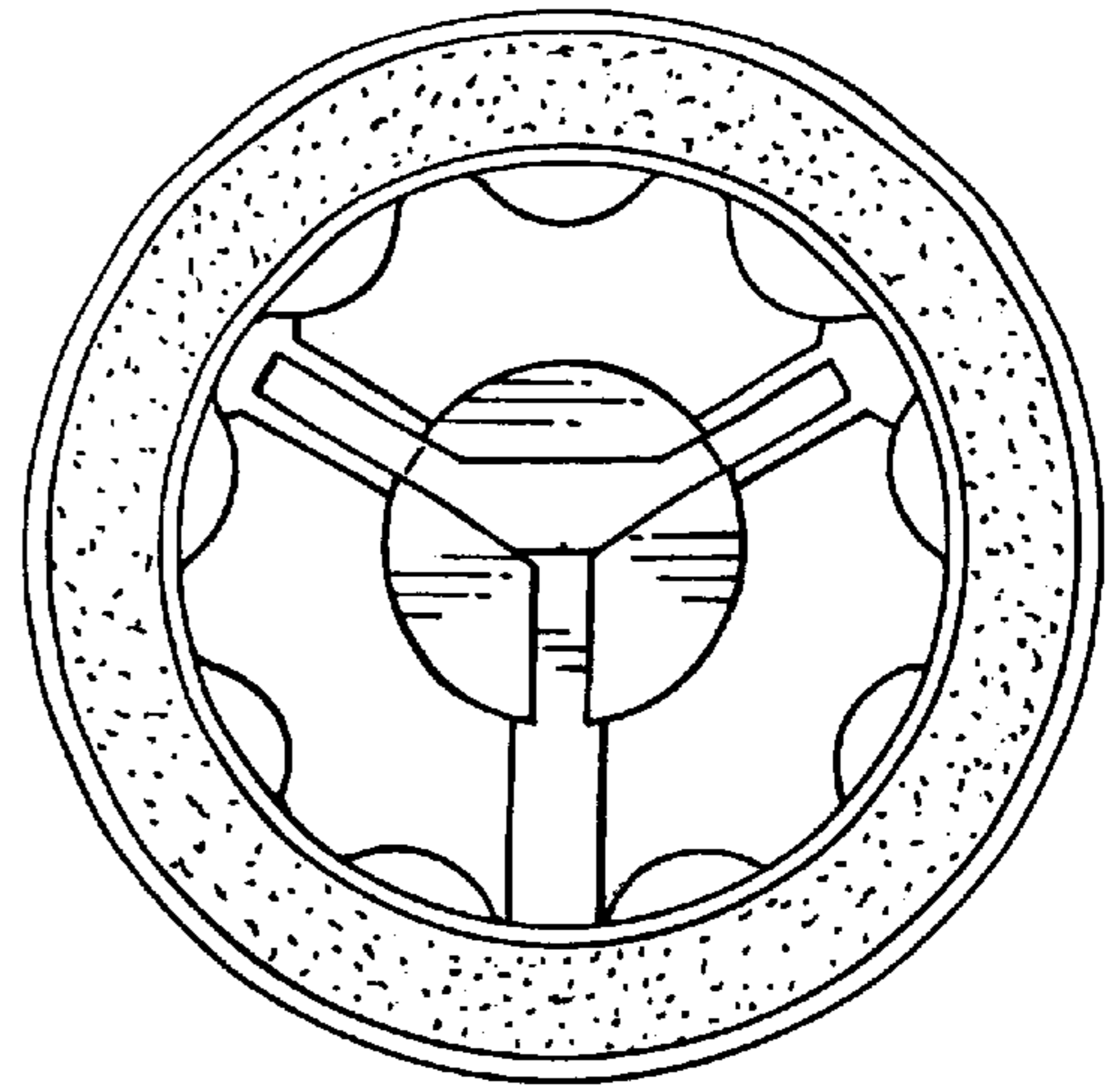


FIG. 2

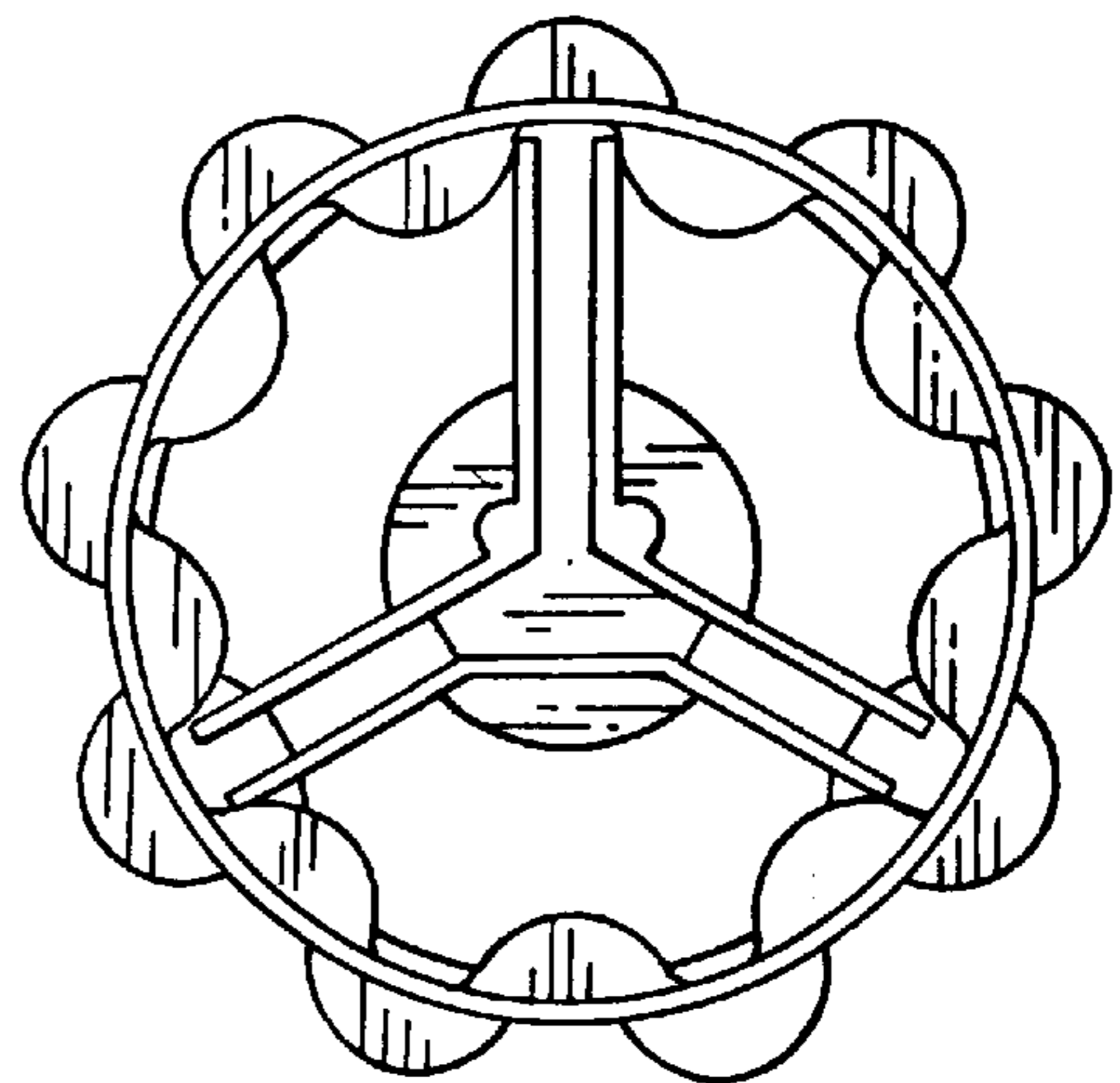


FIG. 3

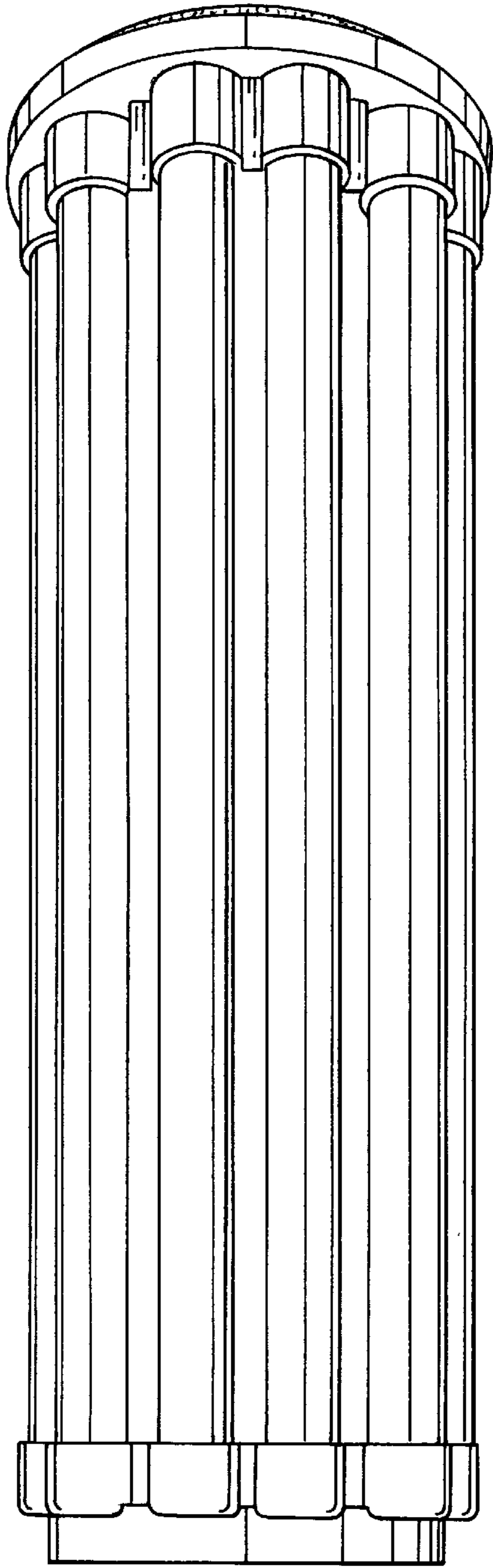


FIG. 5

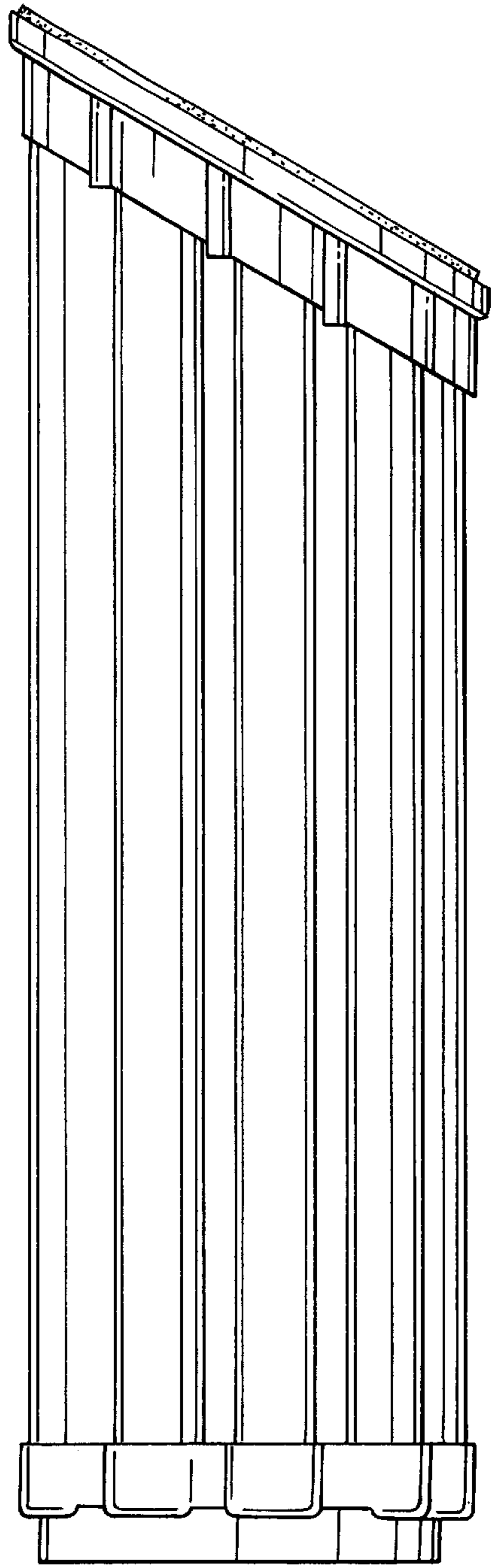


FIG. 4