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United States Patent [19]

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Nagamine et al.

[45] Date of Patent: ****Jul. 9, 1996**

[54] VACUUM CLEANER

OTHER PUBLICATIONS

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Hoover Power Max Cleaner Sales Catalog, Published Mar. 1993.

[73] Assignee: **Sanyo Electric Co., Ltd.**, Osaka-fu, Japan

Sharp EC-14TXT6 Cleaner Sales Catalog, Published Jan. 1994.

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

Sharp EC-12TX6 Upright Vacuum Cleaner Sales Catalog May 1992.

[21] Appl. No.: **29,368**

Panasonic Performance Plus Jet-Flo Vacuum Cleaner Sales Catalog before Oct. 4, 1994.

[22] Filed: **Oct. 4, 1994**

Eureka Powerline Gold Plus Model 973 Sales Catalog ©1993.

[30] Foreign Application Priority Data

Eureka Contour Upright Vacuum Cleaner Sales Catalog ©1993.

Apr. 4, 1994 [JP] Japan 6-9465

Hoover Turbopower 1000 Cleaners Sales Catalog Jul. 1993.

[52] U.S. Cl. **D32/22**

Primary Examiner—Ruth McInroy

[58] Field of Search D32/21-22; 15/320, 15/321, 323, 329, 335, 347, 350-353, 361

Attorney, Agent, or Firm—Darby & Darby

[56] References Cited

[57] CLAIM

U.S. PATENT DOCUMENTS

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

D. 263,235	3/1982	Akita	.....	D32/22
D. 305,168	12/1989	Kroll	.....	D32/22
D. 307,658	5/1990	Ikeda et al.	.....	D32/22
D. 314,847	2/1991	Shouji et al.	.....	D32/22
D. 342,591	12/1993	Shoji et al.	.....	D32/22

FOREIGN PATENT DOCUMENTS

755244	2/1989	Japan .
830394	2/1992	Japan .
832431	3/1992	Japan .
885929-5	12/1993	Japan .
885929-1	12/1993	Japan .
885929	12/1993	Japan .

DESCRIPTION

FIG. 1 is a top, front, and right side perspective view of a vacuum cleaner showing our new design;
 FIG. 2 is a front elevation view thereof;
 FIG. 3 is a rear elevation view thereof;
 FIG. 4 is a top plan view thereof;
 FIG. 5 is a bottom plan view thereof;
 FIG. 6 is a left side elevation view thereof; and,
 FIG. 7 is a right side elevation view thereof.

1 Claim, 6 Drawing Sheets

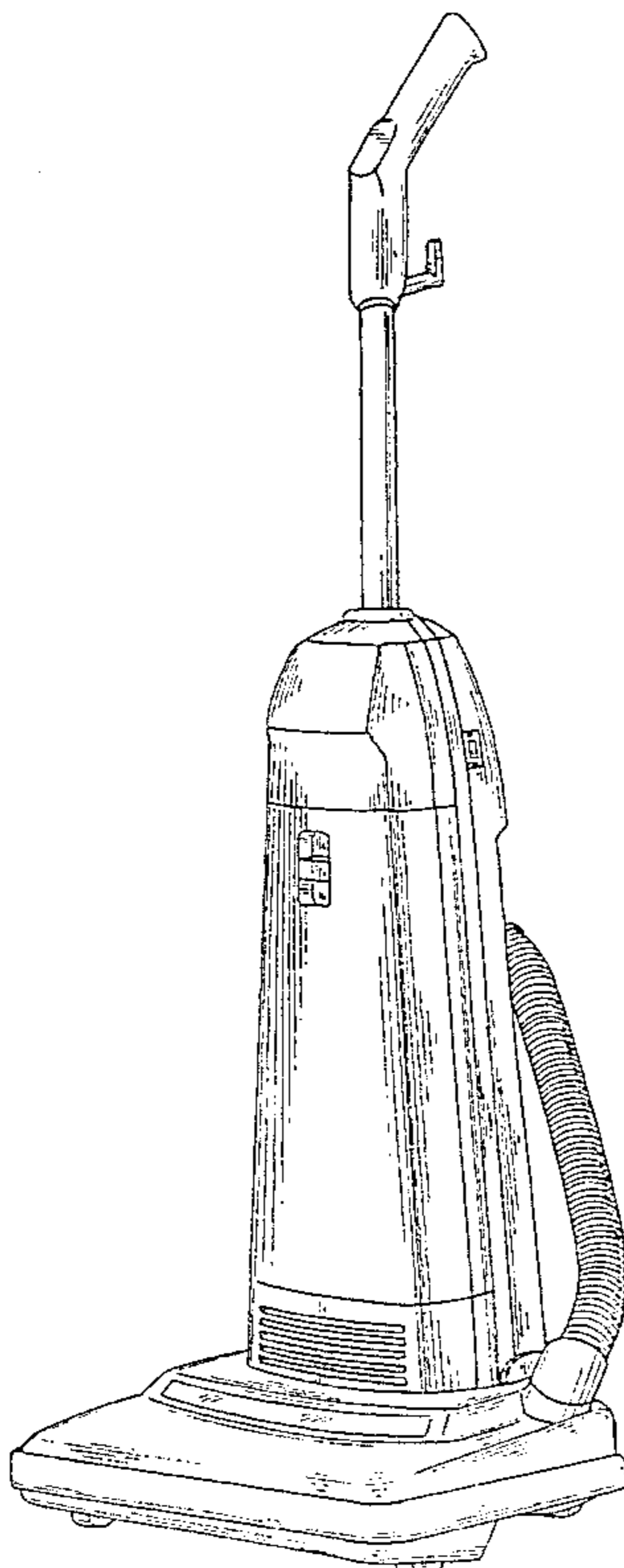


FIG. 1

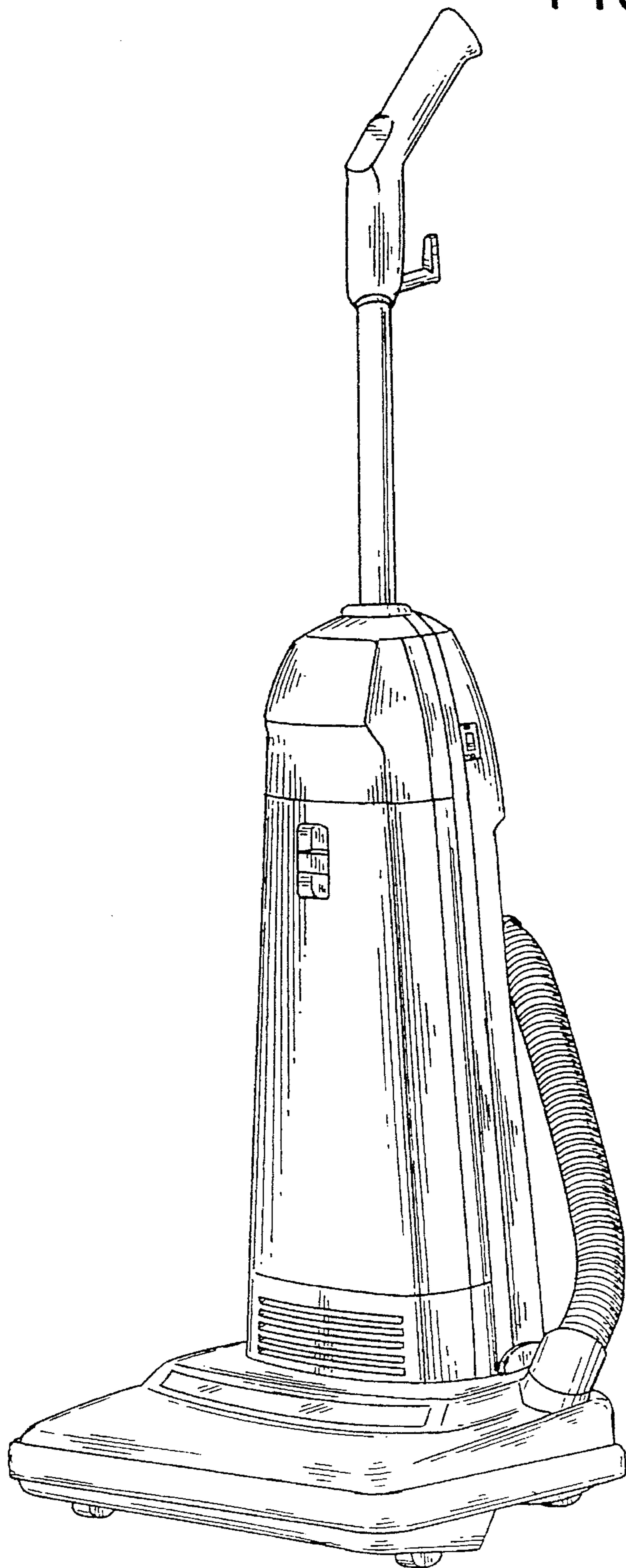


FIG. 2

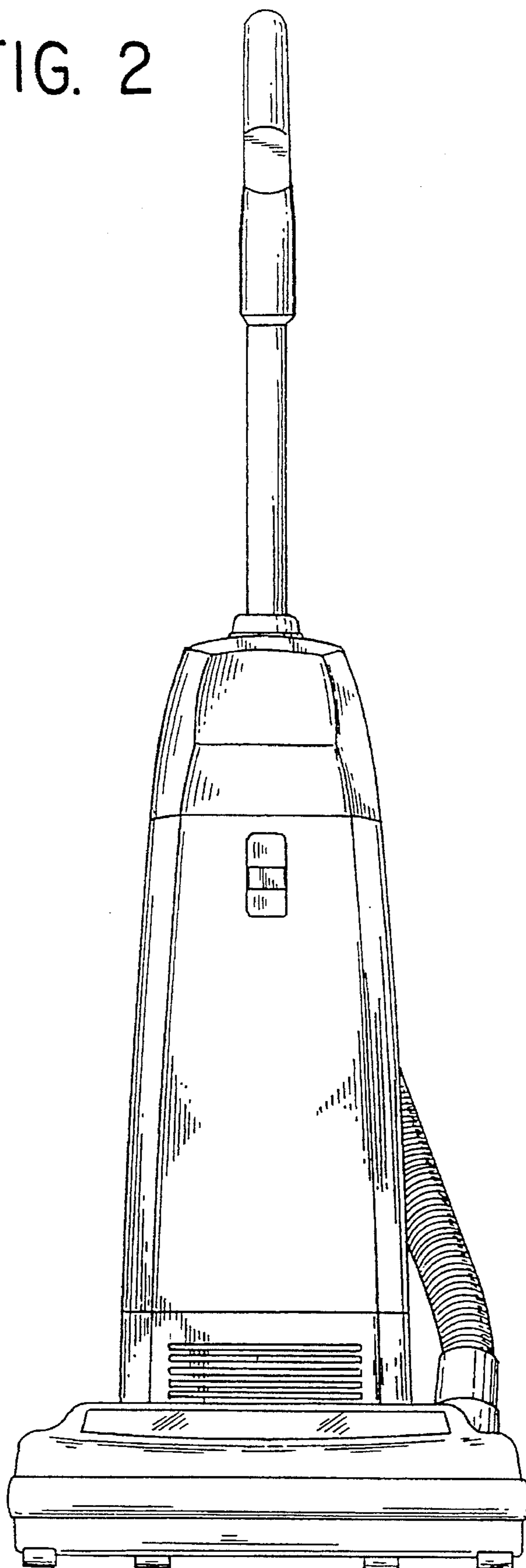


FIG. 3

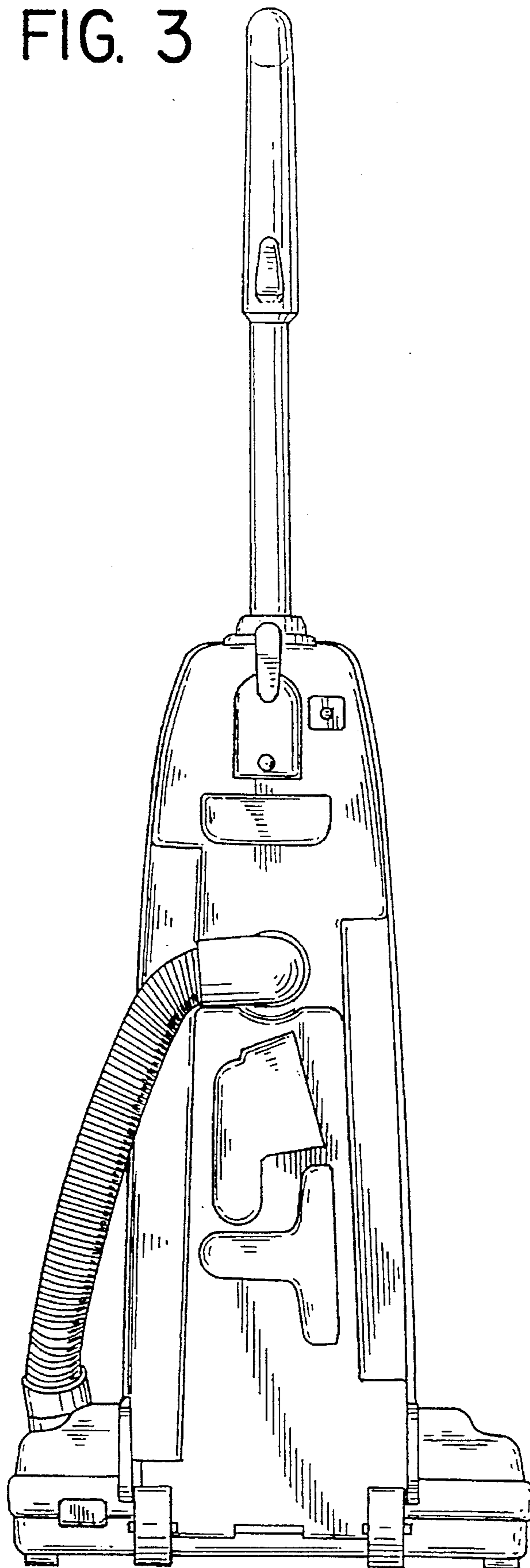


FIG. 5

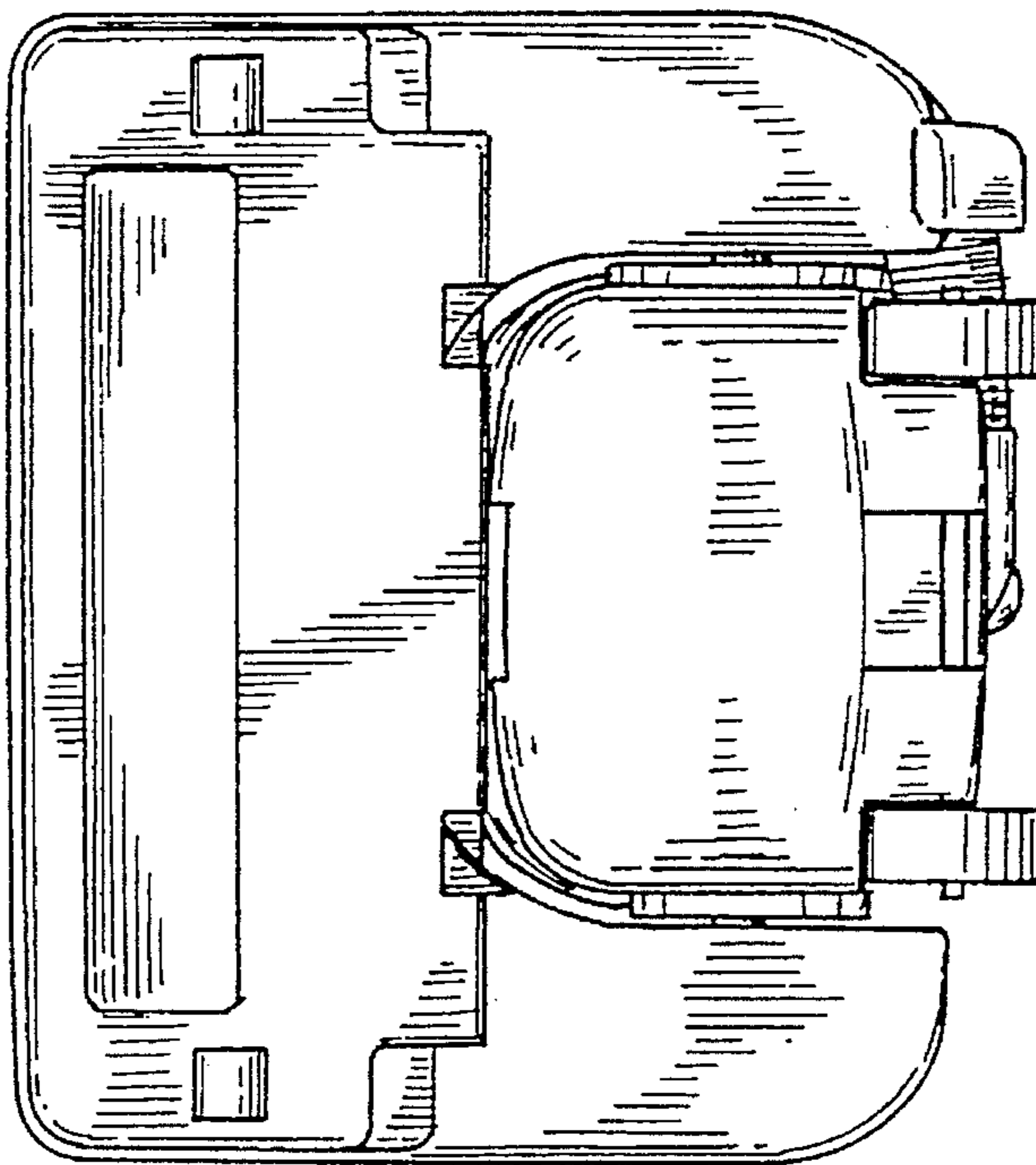


FIG. 4

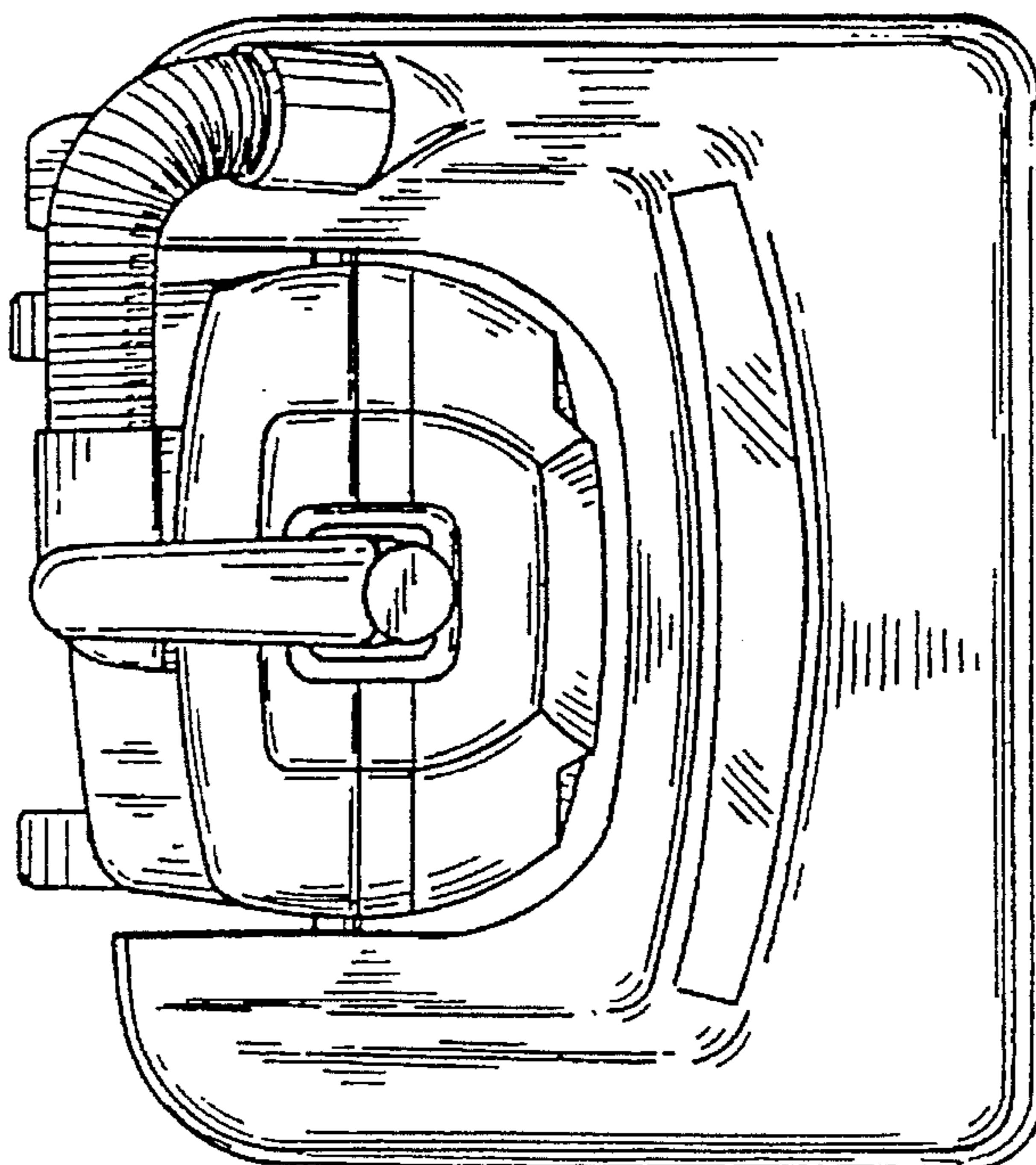


FIG. 6

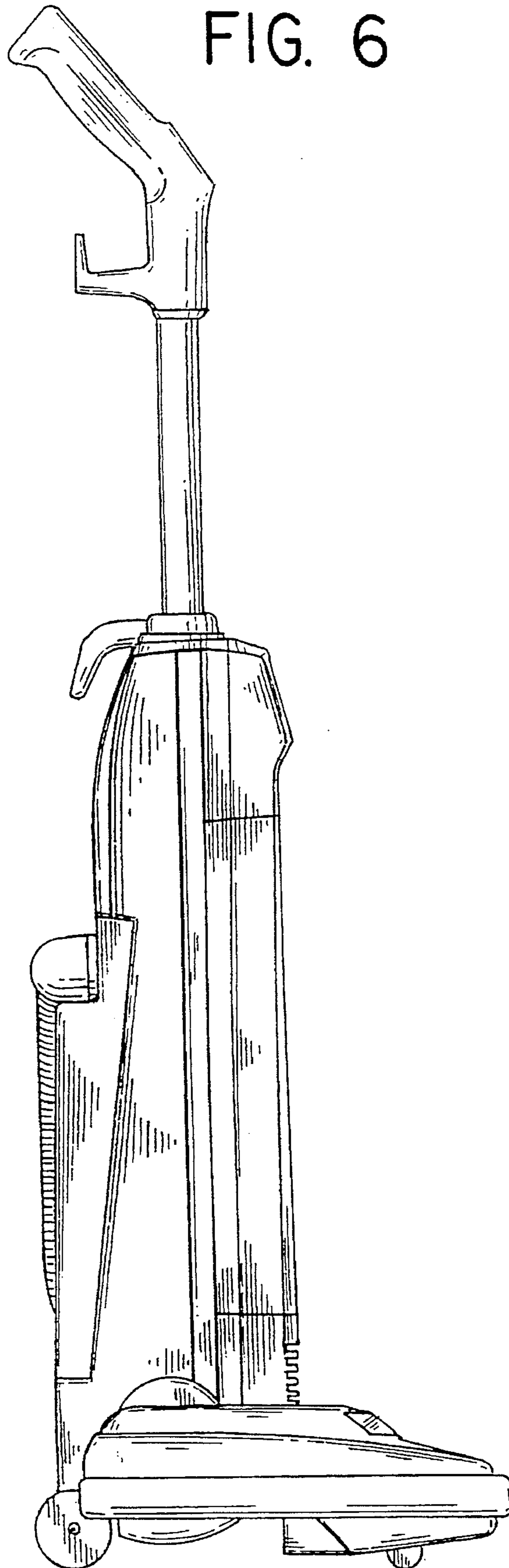


FIG. 7

