



US00D352141S

United States Patent [19]
Correa et al.

[11] **Patent Number: Des. 352,141**
[45] **Date of Patent: ** Nov. 1, 1994**

[54] **HAND-HELD VACUUM CLEANER**

[75] **Inventors:** **Alvaro Correa**, Bridgman, Mich.;
David W. Kaiser, North Haven,
Conn.; **Richard Carbone**, Southbury,
Conn.; **Stuart Naft**, Fairfield, Conn.

[73] **Assignee:** **Black & Decker Inc.**, Newark, Del.

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

[21] **Appl. No.:** **3,475**

[22] **Filed:** **Jan. 8, 1993**

[52] **U.S. Cl.** **D32/18**

[58] **Field of Search** **15/344, 329, 347;**
D32/17-18, 21-22

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 261,473	10/1981	Hug	D32/18
D. 268,057	2/1983	Hannar	D32/18
D. 280,246	5/1985	Smith	D32/18
D. 290,893	7/1987	Essex	D32/18
D. 303,170	8/1989	Hirano	D32/18
D. 306,657	3/1990	Fushiya et al.	D32/17
D. 315,623	3/1991	Bartasevich	D32/18
D. 315,816	3/1991	Ferrari	D32/18
1,878,858	9/1932	Kitto	
1,944,950	1/1934	Riebel, Jr.	15/9
2,053,563	9/1936	Kirby	15/9
2,054,975	9/1936	Goldberg	15/9
2,309,583	1/1943	Franz	15/16
2,491,007	12/1949	Koch	69/20

4,357,730	11/1982	Lex	15/344
4,380,845	4/1983	Miller et al.	15/344
4,446,594	4/1984	Nakada et al.	15/365
4,633,543	1/1987	Sovis et al.	15/344
4,741,070	5/1988	Sovis et al.	15/344
4,776,059	10/1988	Worwag	15/344
4,788,740	12/1988	Sovis et al.	15/339
4,891,861	1/1990	Sovis et al.	15/344
4,955,106	9/1990	Stein et al.	15/335
4,959,885	10/1990	Sovis et al.	15/335
5,129,128	7/1992	Bowerman	15/335

FOREIGN PATENT DOCUMENTS

3309162 3/1983 Germany .

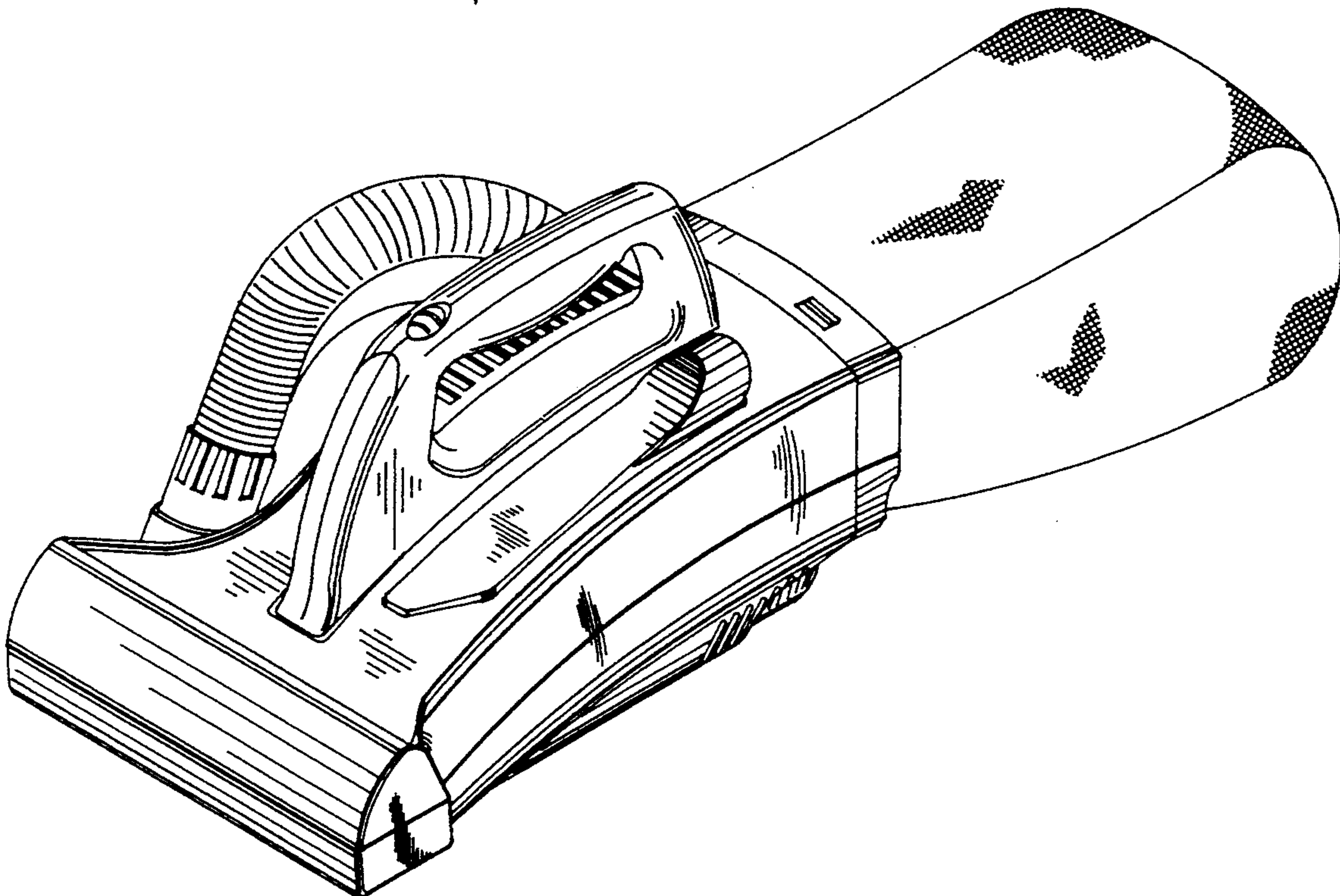
Primary Examiner—Ruth McInroy
Attorney, Agent, or Firm—Barry E. Deutsch

[57] **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a hand-held vacuum cleaner showing our new design, taken from the front right side thereof;
FIG. 2 is a bottom plan view thereof;
FIG. 3 is a left side elevational view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a front elevational view thereof; and,
FIG. 7 is a rear elevational view thereof.
The cross hatch shading shown in all views is understood to repeat throughout the indicated area.



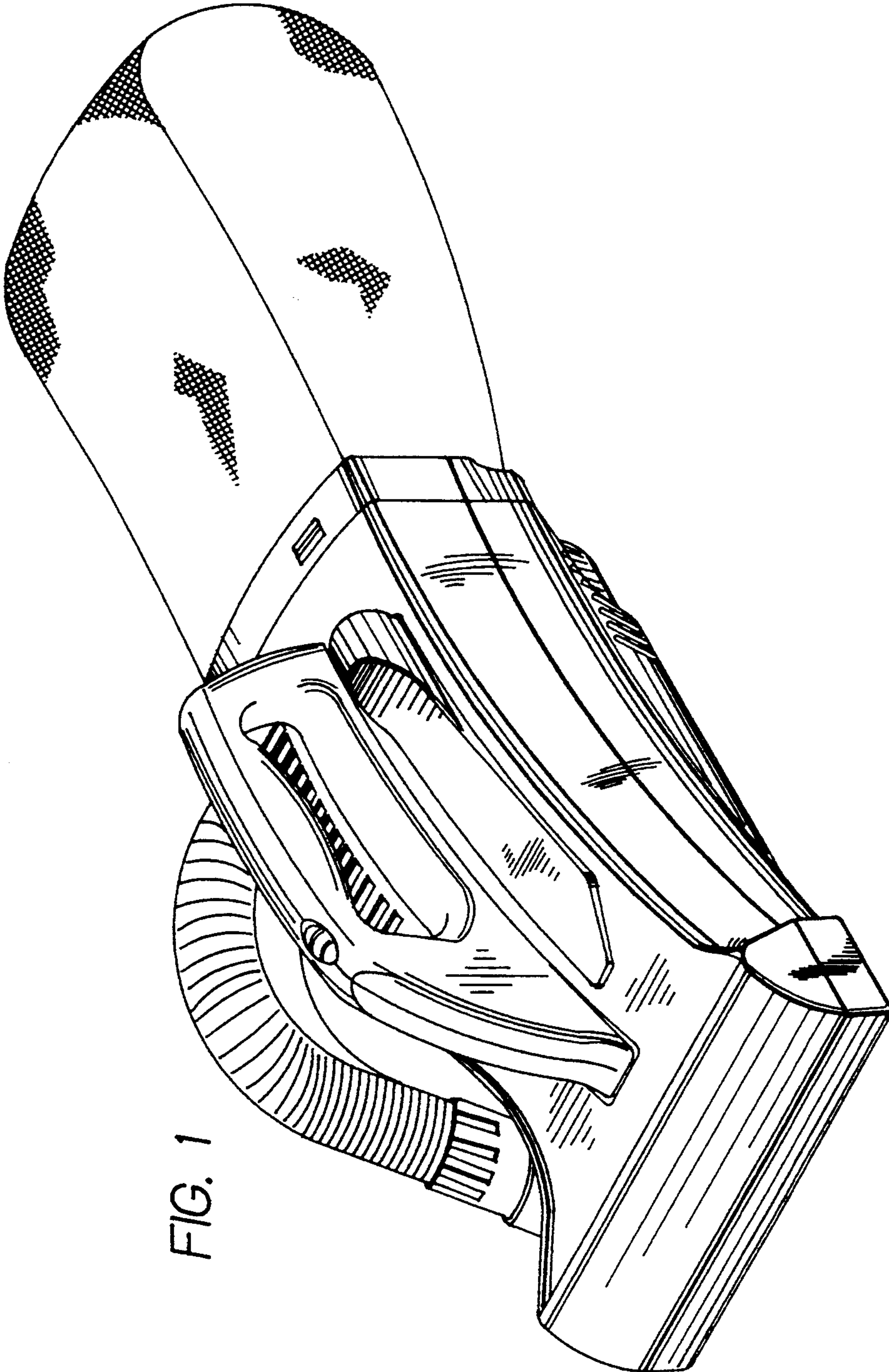
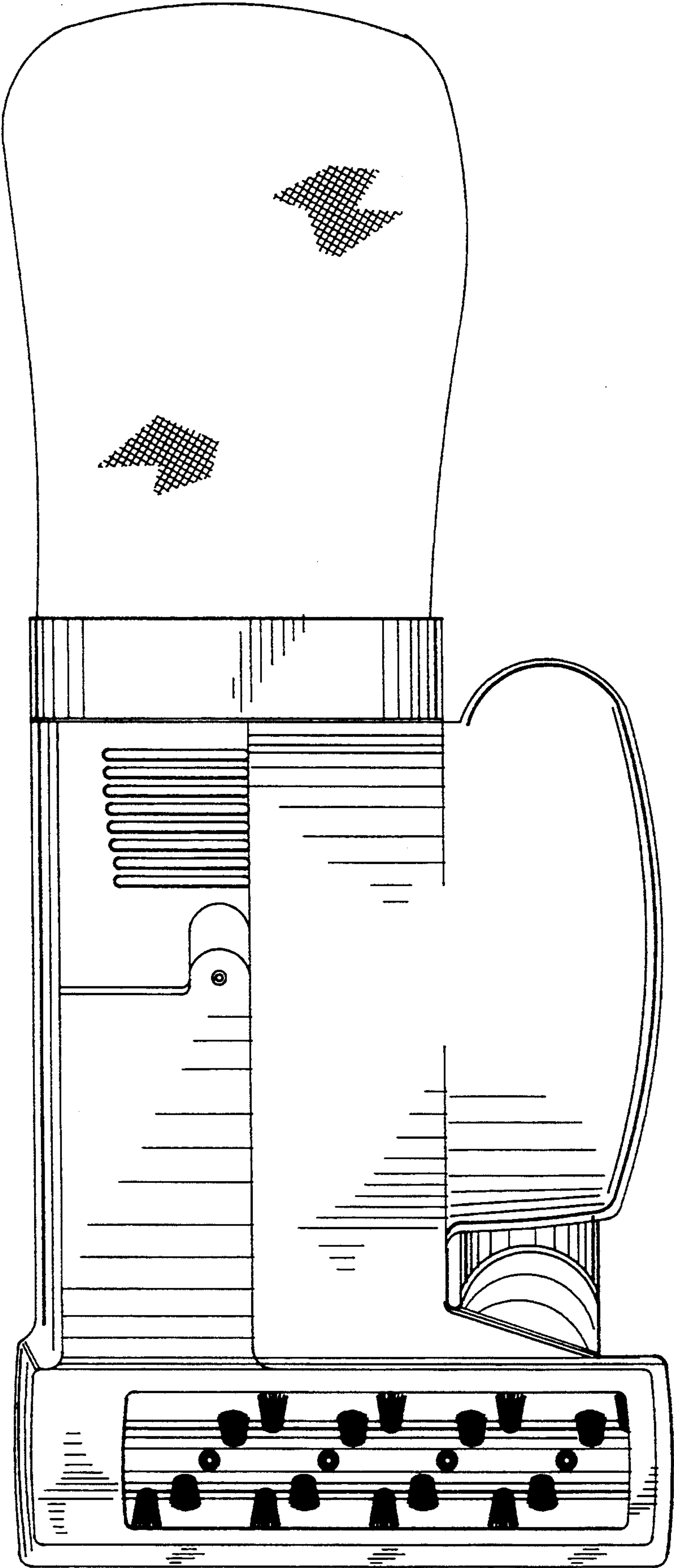


FIG. 1

FIG. 2



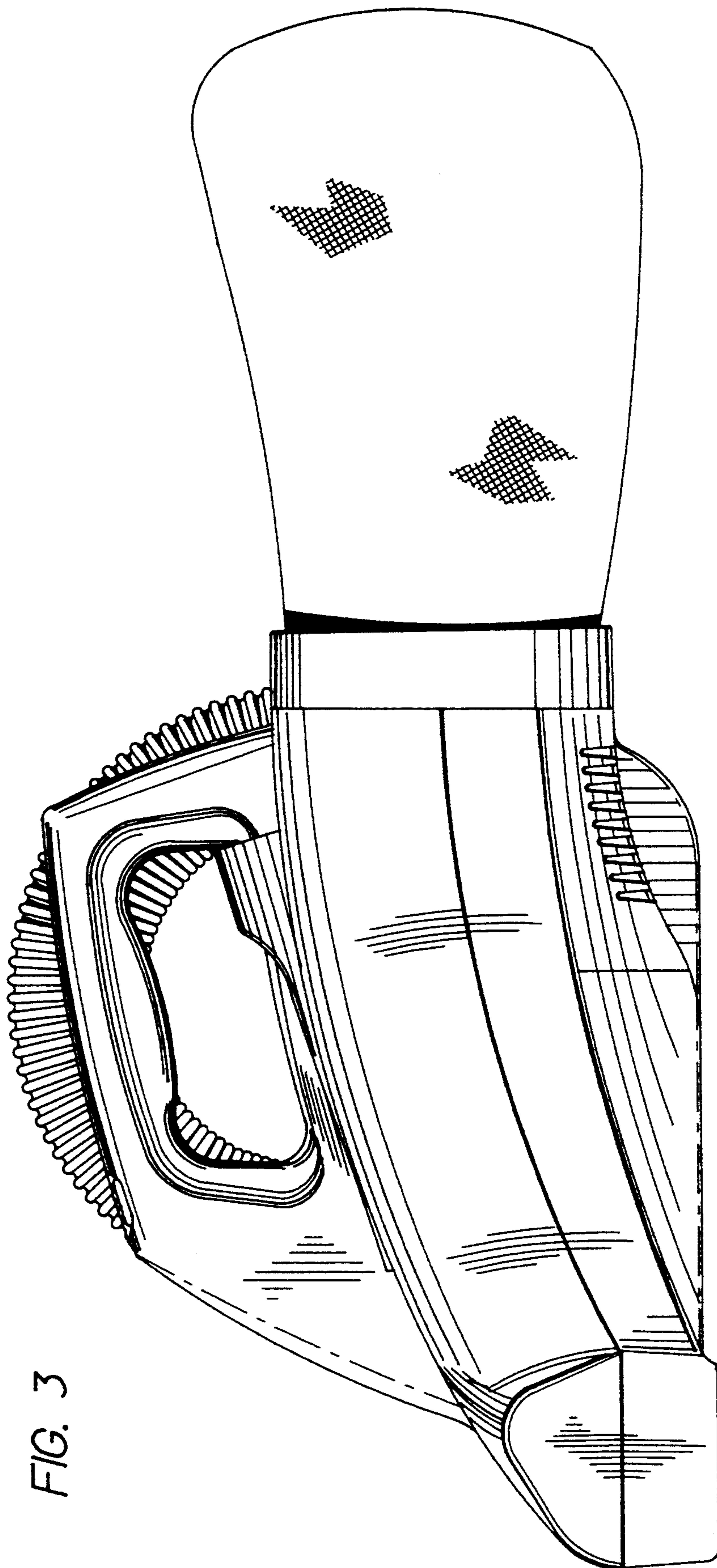


FIG. 3

FIG. 4

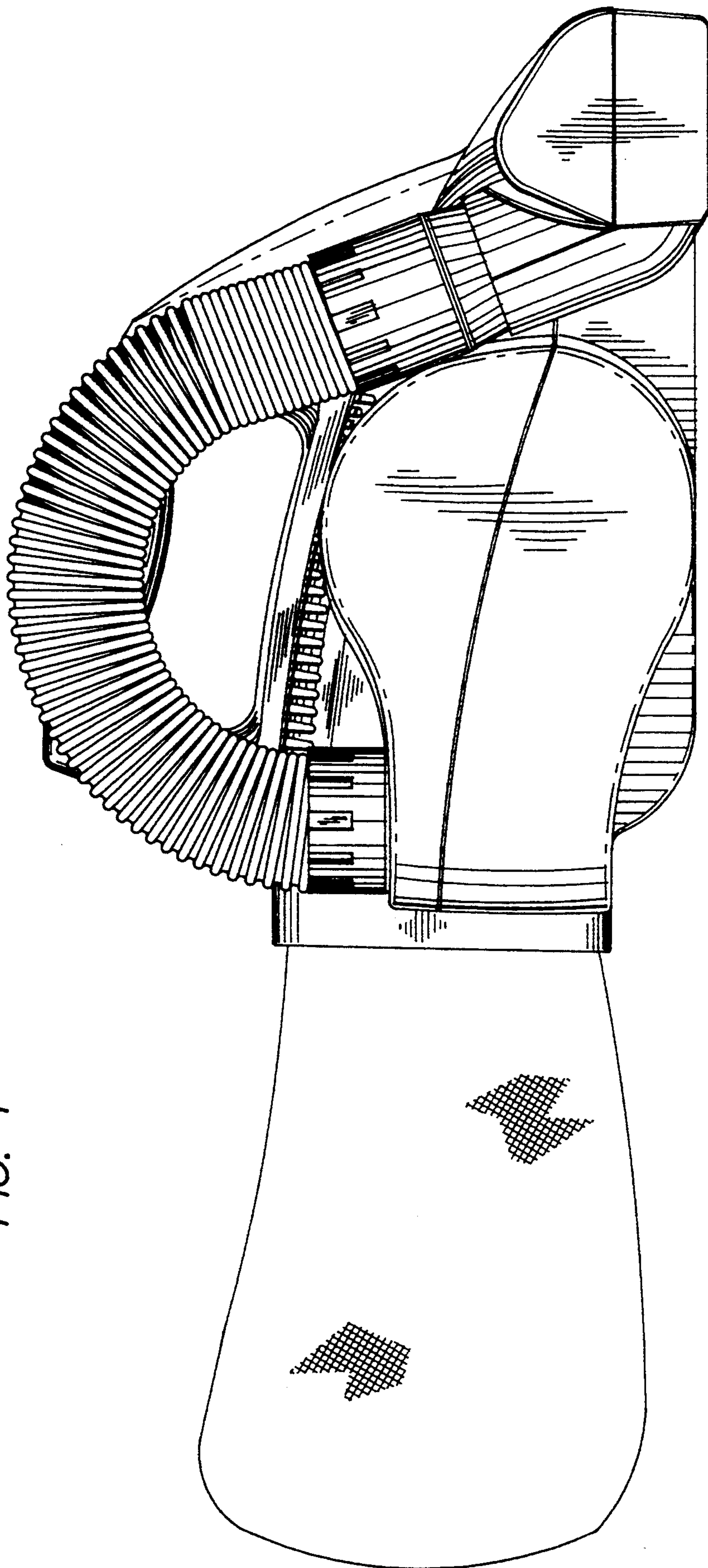


FIG. 5

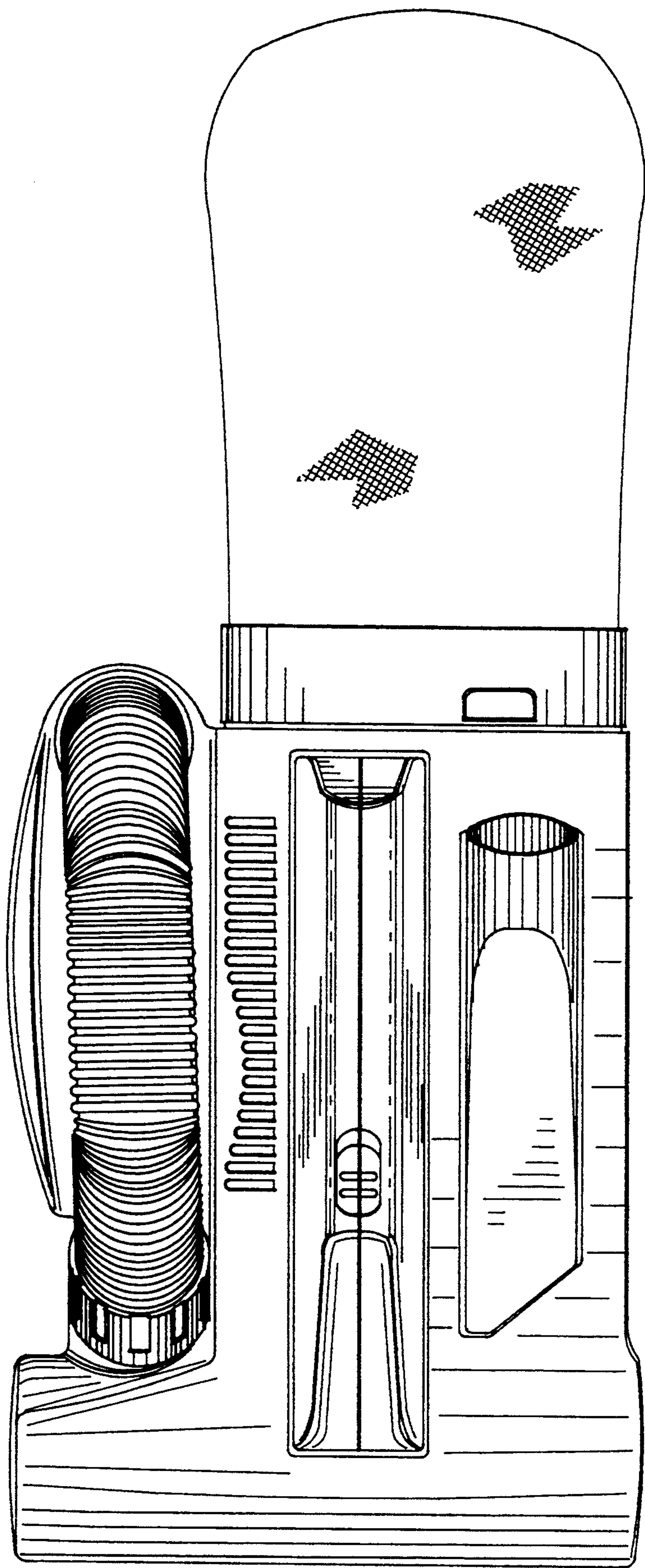


FIG. 6

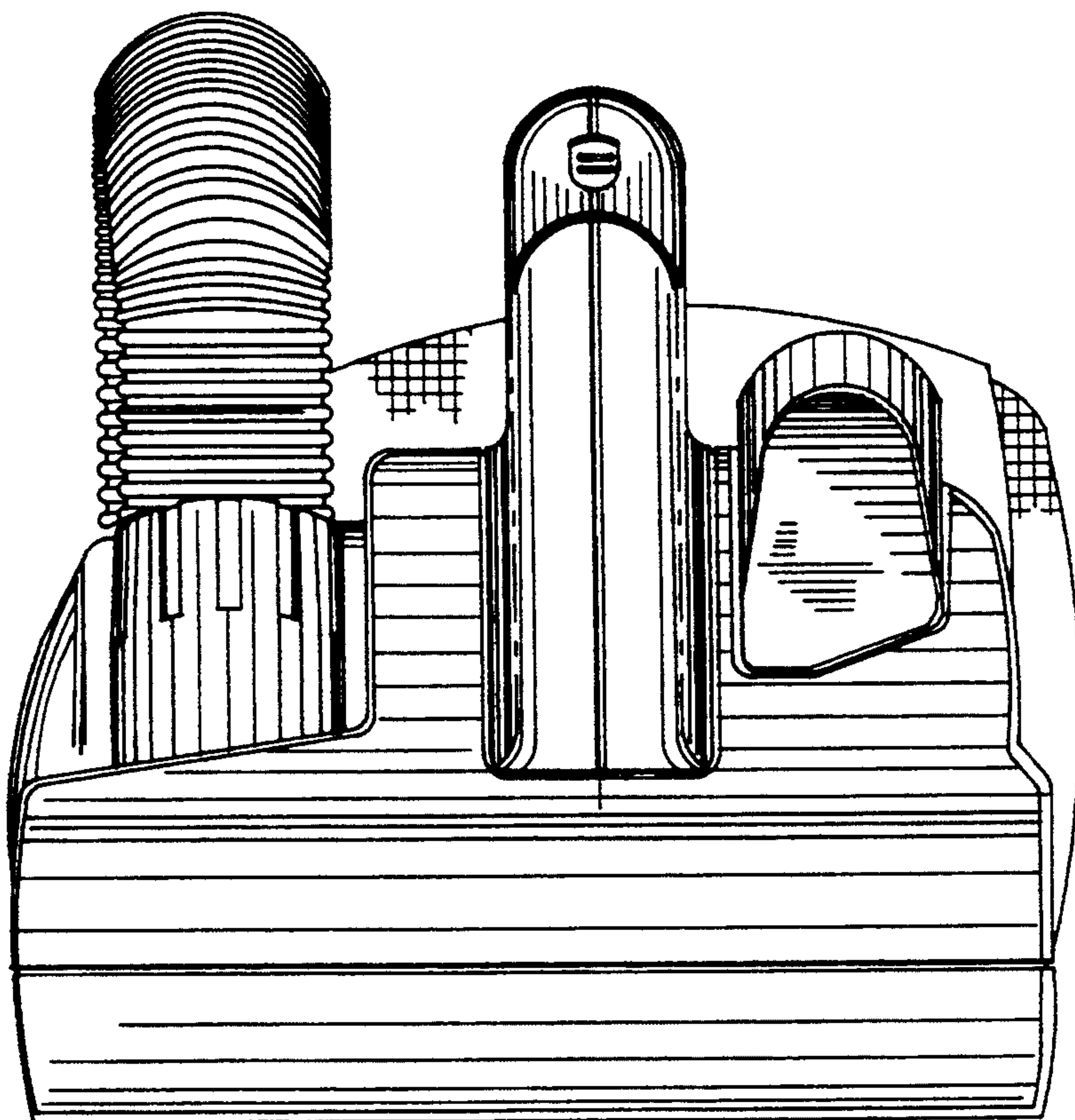


FIG. 7

