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(12) **United States Design Patent** (10) **Patent No.:** **US D489,122 S**
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(54) **ELECTRIC HEATER**

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

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(52) **U.S. Cl.** **D23/335; D23/332**

(58) **Field of Search** **D23/314, 317, D23/332, 335-338, 380, 340, 341; 392/360, 365-9, 373-6; 312/236; 126/110 B, 110 D, 90 A, 92 A**

- D265,851 S 8/1982 Babbage
- D266,186 S 9/1982 Chesnut et al.
- D266,943 S 11/1982 Porter
- D267,424 S 12/1982 Boldt et al.
- D267,970 S 2/1983 Gronwick
- D267,971 S 2/1983 Harrison
- D268,953 S 5/1983 Kerchner, Jr.
- D269,203 S 5/1983 Wilkinson
- D270,858 S 10/1983 McInnes
- D270,938 S 10/1983 Johnson
- D271,130 S 10/1983 Frank et al.
- D273,891 S 5/1984 Hiselius
- D274,836 S 7/1984 Smith
- D275,419 S 9/1984 Church
- D276,364 S 11/1984 Sibert
- D276,840 S 12/1984 Church
- D276,841 S 12/1984 Church
- D277,130 S 1/1985 Schade
- D277,228 S 1/1985 Blesch
- D277,308 S 1/1985 Bastien
- D277,780 S 2/1985 Horst, Sr. et al.

(List continued on next page.)

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 3,124,120 A 3/1964 Best
- 3,725,640 A 4/1973 Kunz
- D242,922 S 1/1977 Monninger
- 4,003,967 A 1/1977 Potvin
- D244,450 S 5/1977 Taylor
- D245,510 S 8/1977 Herman et al.
- D247,045 S 1/1978 Briggs
- D248,043 S 5/1978 Schade
- 4,112,913 A 9/1978 Shimek et al.
- D251,500 S 4/1979 Aigner
- D252,405 S 7/1979 Heine
- D254,391 S 3/1980 Montecalvo
- D256,273 S 8/1980 Townsend et al.
- D256,949 S 9/1980 Patel
- D257,059 S 9/1980 Schade
- 4,227,068 A 10/1980 Carter
- D257,485 S 11/1980 Montecalvo
- D259,892 S 7/1981 Boekamp
- D261,923 S 11/1981 Nunez et al.
- D263,494 S 3/1982 Markum et al.

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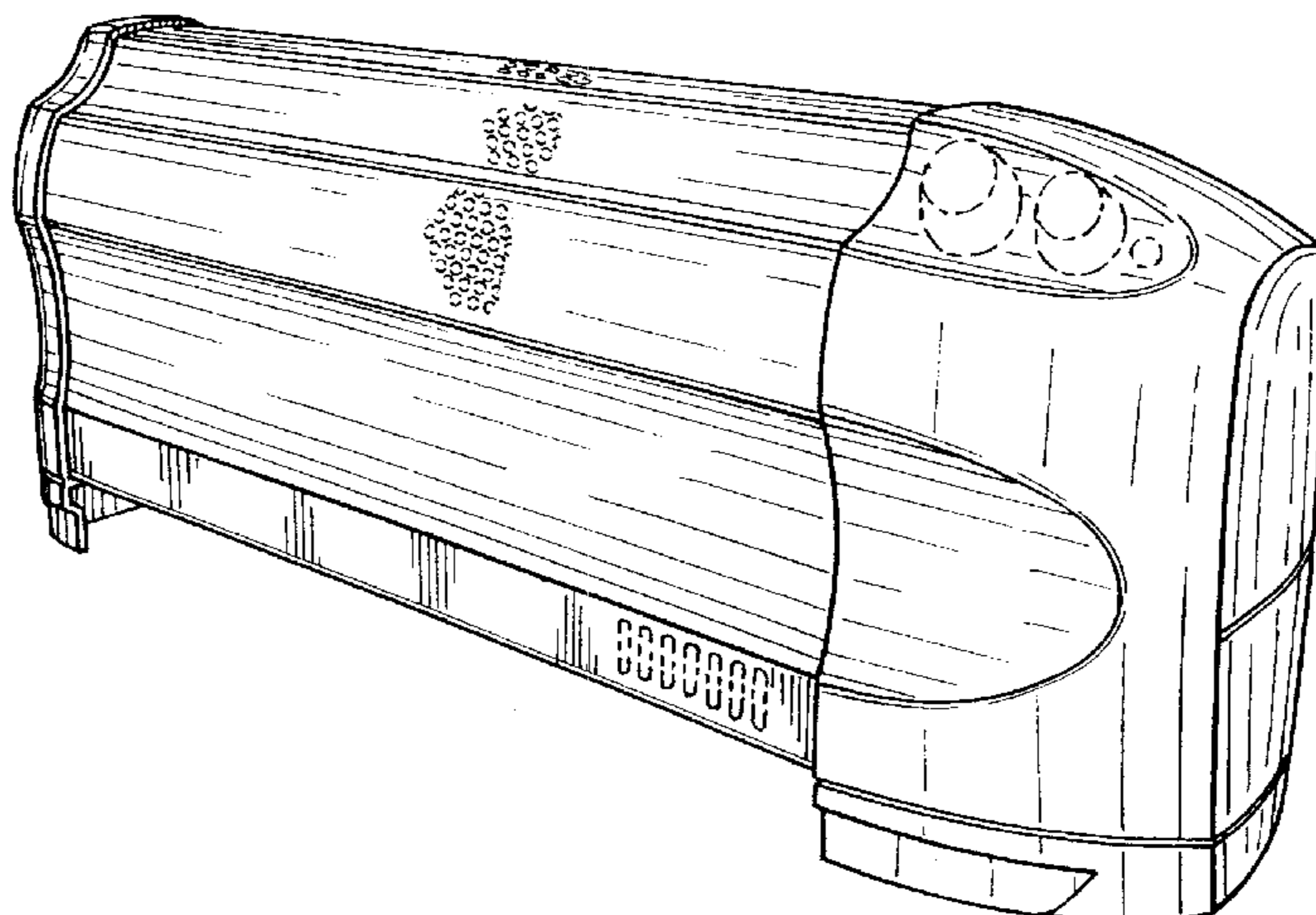
(57) **CLAIM**

The ornamental design for an electric heater, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a heater in accordance with the invention;
FIG. 2 is a top view of the heater of FIG. 1;
FIG. 3 is a left side view of the heater of FIG. 1;
FIG. 4 is a right side view of the heater of FIG. 1; and,
FIG. 5 is a perspective view of the heater of FIG. 1.
Features shown in broken line, including the grill patterns at the top and front of the heater, the control knobs and indicator light at the top right of the heater, and the power cord at the rear of the heater, form no part of the claimed design.

1 Claim, 2 Drawing Sheets



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U.S. PATENT DOCUMENTS					
D279,029 S	5/1985	Sieverding	D328,336 S	7/1992	Bertrand
D279,498 S	7/1985	Nakamura	D328,341 S	7/1992	Chiu
D280,760 S	9/1985	Kogan	D329,692 S	9/1992	Chaney et al.
D281,100 S	10/1985	Fluckiger	D330,756 S	11/1992	Davies, III et al.
D281,809 S	12/1985	Haythornthwaite	D333,866 S	3/1993	Wang
D281,810 S	12/1985	Haythornthwaite	D337,635 S	7/1993	Schindler et al.
D281,811 S	12/1985	Horst, Sr.	D340,765 S	10/1993	Joss et al.
D282,101 S	1/1986	Yuen	D341,417 S	11/1993	Wortham
D282,102 S	1/1986	Yuen	D341,878 S	11/1993	Cich, Jr.
D283,343 S	4/1986	Haythornthwaite	D343,230 S	1/1994	Lim
D283,436 S	4/1986	Sobole	D343,231 S	1/1994	Lim
D284,787 S	7/1986	Nakamura	D343,676 S	1/1994	Lim
D285,830 S	9/1986	Daily et al.	D346,855 S	5/1994	Chiu
D286,428 S	10/1986	Liu	D347,683 S	6/1994	Chiu et al.
D286,672 S	11/1986	McGlynn	D348,724 S	7/1994	Lee
D286,673 S	11/1986	Kahn	D348,725 S	7/1994	Wortham
D287,119 S	12/1986	Wadia	D349,761 S	8/1994	Cunning
D287,535 S	12/1986	Allback	D353,660 S	12/1994	Cunning
D287,751 S	1/1987	Hamalainen	D353,662 S	12/1994	Patton et al.
D288,357 S	2/1987	McKinney	D354,557 S	1/1995	Cich, Jr. et al.
D288,473 S	2/1987	Schmidt et al.	D354,803 S	1/1995	Huang
D288,958 S	3/1987	Smith	D356,861 S	3/1995	Busalt
D289,547 S	4/1987	Nakamura	D358,636 S	5/1995	Bucher et al.
D289,679 S	5/1987	Nakamura	D358,873 S	5/1995	Pelonis
D289,794 S	5/1987	Yabe	D359,550 S	6/1995	Chan
D290,036 S	5/1987	Nakamura	D361,828 S	8/1995	Chen
D290,391 S	6/1987	Nakamura	D372,523 S	8/1996	Radtke, Jr.
D290,498 S	6/1987	Beane et al.	D373,414 S	9/1996	Bucher et al.
D291,350 S	8/1987	Sherman et al.	D374,276 S	10/1996	O'Grady
D291,726 S	9/1987	Kojima et al.	D374,712 S	10/1996	Jane et al.
D292,228 S	10/1987	Framalin	D375,348 S	11/1996	Varrigan
D293,463 S	12/1987	Bastien	D382,337 S	8/1997	Smith et al.
D293,711 S	1/1988	Hart	D382,338 S	8/1997	Stancliff
D294,385 S	2/1988	Tonks	D382,634 S	8/1997	Jane et al.
D294,386 S	2/1988	Tonks	D382,951 S	8/1997	Deines et al.
D296,583 S	7/1988	Barradas	D384,733 S	10/1997	Jane et al.
D297,259 S	8/1988	Wen-Tun	D384,734 S	10/1997	Ellwood
D299,524 S	1/1989	Din-Her	D389,236 S	1/1998	Shimansky
D302,462 S	7/1989	Pivonka	D391,355 S	2/1998	Hedrington
D303,285 S	9/1989	Mongeau	D394,695 S	5/1998	Blais
D304,492 S	11/1989	Tiitinen	D395,490 S	6/1998	Jane et al.
D304,611 S	11/1989	Stalec	D396,279 S	7/1998	Ediger et al.
D305,058 S	12/1989	Diamond	D396,526 S	7/1998	Boyle et al.
D305,260 S	12/1989	Mito	D396,527 S	7/1998	Boyle et al.
D311,951 S	* 11/1990	Dubin D23/335	D397,192 S	8/1998	Chiu et al.
D312,302 S	11/1990	Fan	D397,193 S	8/1998	Boyle et al.
D313,069 S	12/1990	McCormick	D397,430 S	8/1998	Ediger et al.
D313,271 S	12/1990	Schade	5,790,948 A	8/1998	Eisfeld et al.
D313,842 S	1/1991	Fan	D397,775 S	9/1998	Chiu et al.
D313,843 S	1/1991	Wen-Tun	5,824,232 A	10/1998	Asher et al.
D314,615 S	2/1991	Hetherington	D400,659 S	11/1998	Boyle et al.
D315,403 S	3/1991	Ooki et al.	D400,665 S	11/1998	Hornig
D316,140 S	4/1991	Lee	D400,669 S	11/1998	Hannigan
D316,296 S	4/1991	Lee	D401,314 S	11/1998	Boyle et al.
D316,446 S	4/1991	Lee	D402,741 S	12/1998	Chen
D316,596 S	4/1991	Ooki et al.	D402,748 S	12/1998	Cuomo
D317,042 S	5/1991	Hall	D402,749 S	* 12/1998	Jane et al. D23/332
D318,106 S	7/1991	Arold et al.	D405,170 S	2/1999	Haeck
D318,723 S	7/1991	Chiu	D405,171 S	2/1999	Jane et al.
D319,498 S	8/1991	Huang	D408,510 S	* 4/1999	Moreno D23/335
D319,693 S	9/1991	Lee	D408,903 S	4/1999	Boyle et al.
D319,694 S	9/1991	Wortham	D412,565 S	8/1999	Lee
D323,382 S	1/1992	Wang	D413,660 S	9/1999	Lee
D324,907 S	3/1992	Cook	D416,997 S	11/1999	Prouty et al.
D325,251 S	4/1992	Schindler et al.	D418,211 S	12/1999	Lundin
D325,967 S	5/1992	Dieterle et al.	D418,591 S	1/2000	Birdsell et al.
D326,317 S	5/1992	Coup et al.	D418,911 S	1/2000	Birdsell et al.
D326,318 S	5/1992	Coup et al.	D420,112 S	2/2000	Hotaling et al.
D327,946 S	7/1992	Barre	D420,113 S	2/2000	Heinz et al.
D328,122 S	7/1992	Gildersleeve et al.	D420,437 S	2/2000	Rossman et al.
			D420,731 S	2/2000	Rossman et al.

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D423,090 S	4/2000	Barbosa	D431,640 S	10/2000	Rong	
D424,671 S	5/2000	Ciccone et al.	D437,036 S	1/2001	Chen	
D426,876 S	6/2000	Rossmann et al.	D437,397 S	* 2/2001	Ching	D23/335
D429,323 S	8/2000	Rossmann et al.	D441,065 S	4/2001	Ediger et al.	
D429,803 S	8/2000	Schmidt	D445,173 S	7/2001	Birdsell et al.	
D429,804 S	8/2000	Rossmann et al.	D464,413 S	* 10/2002	Shapiro et al.	D23/335
D430,278 S	8/2000	Krauss et al.				
D431,289 S	9/2000	Paquette				

* cited by examiner

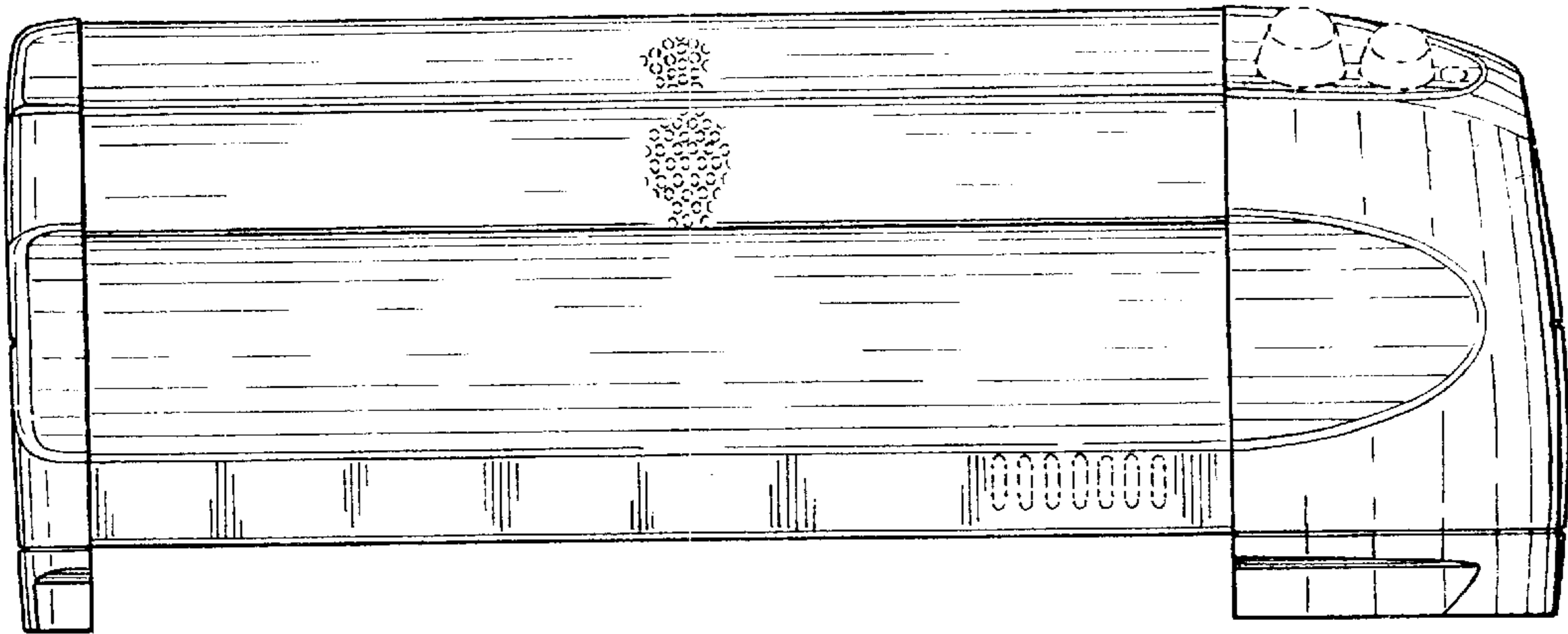


Fig. 1

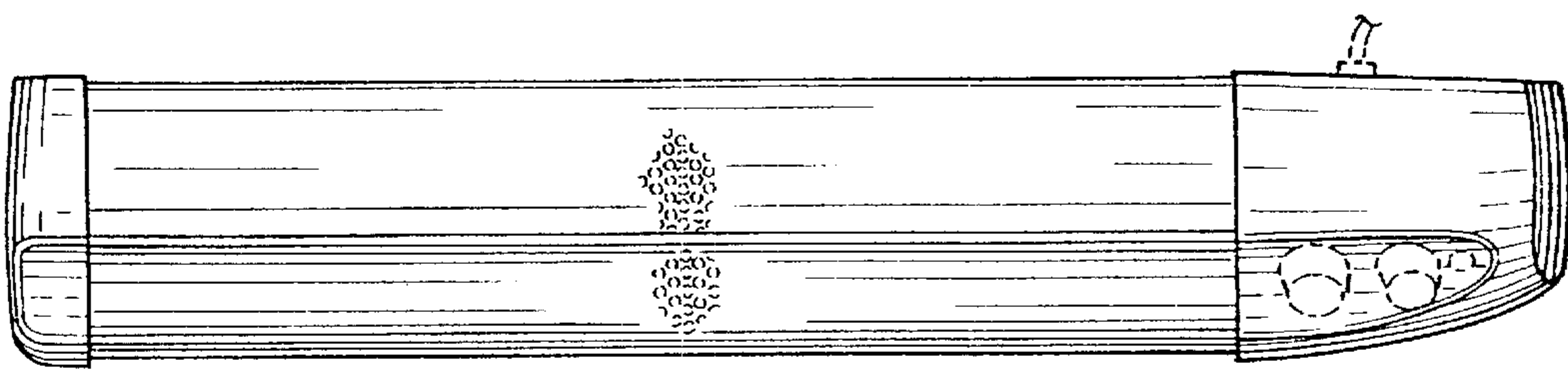


Fig. 2

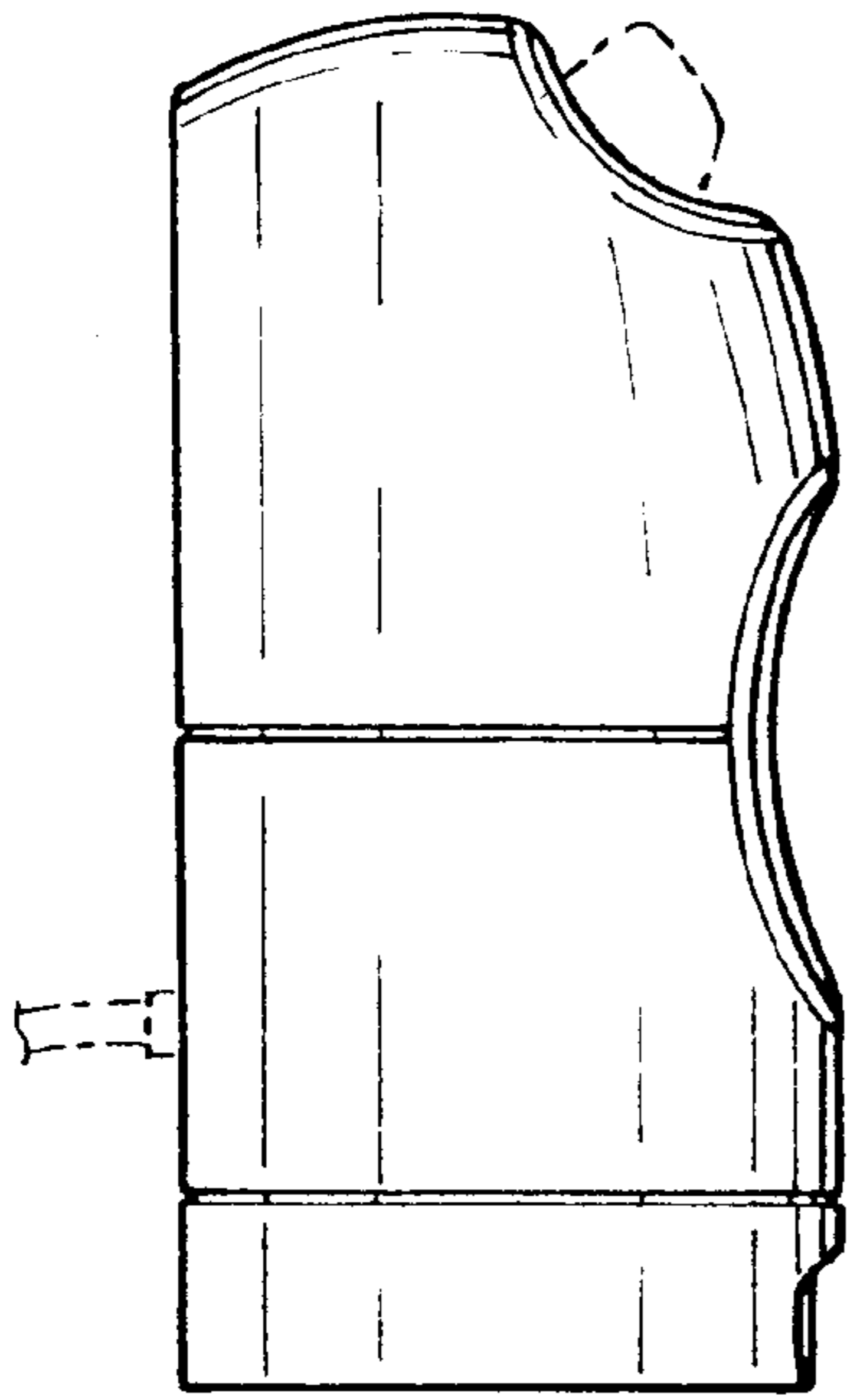


Fig. 3

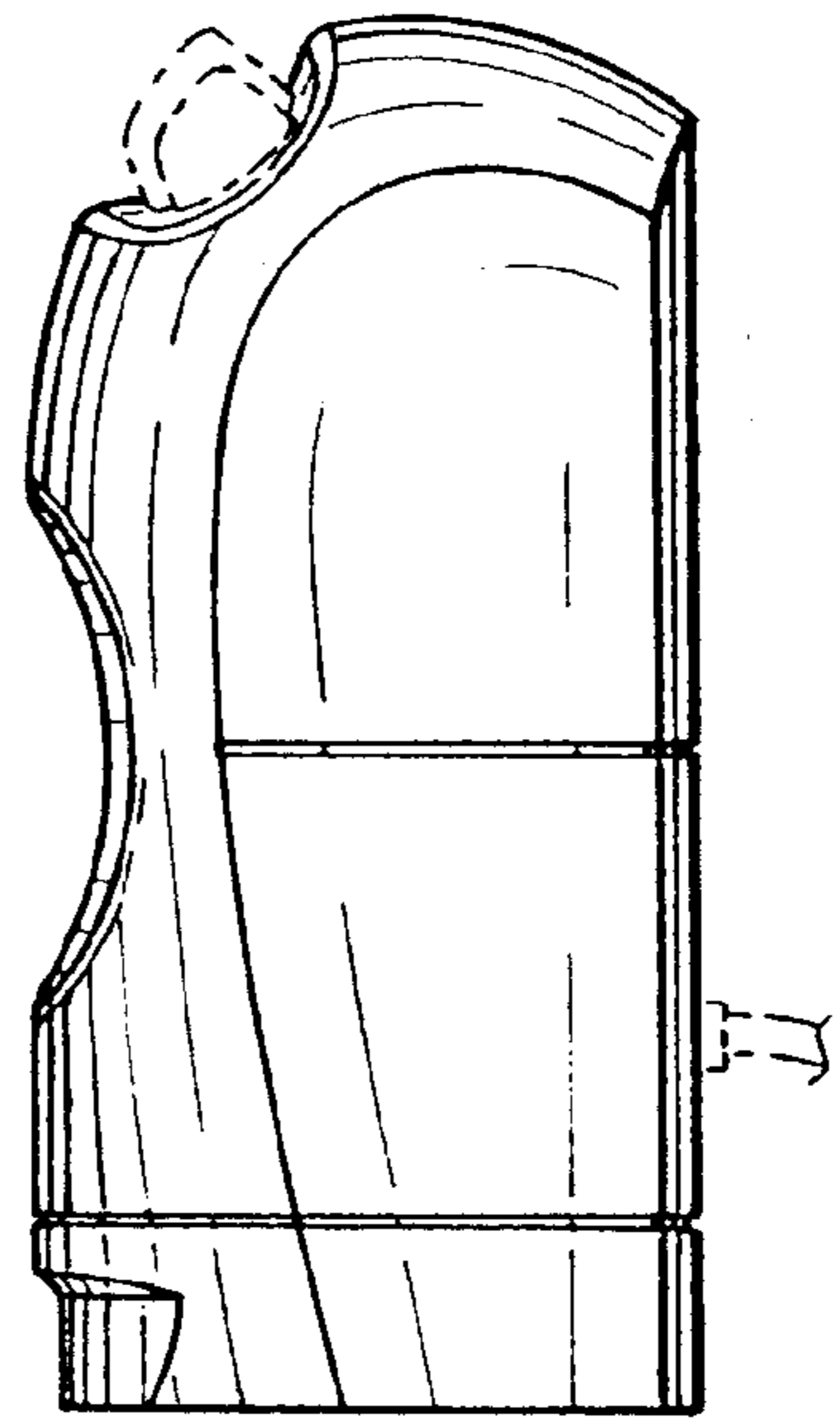


Fig. 4

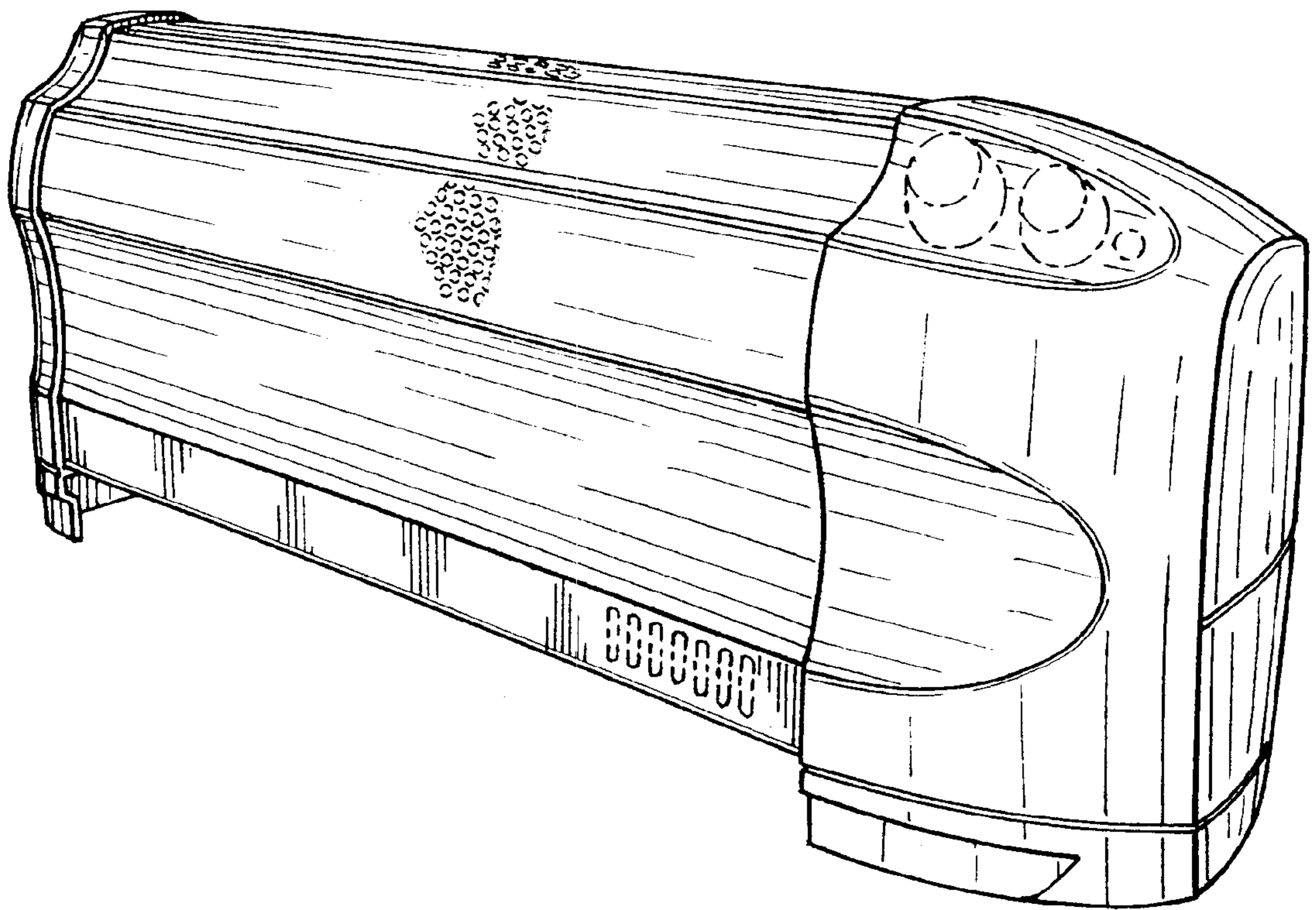


Fig. 5