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(12) **United States Design Patent**  
**Chou**

(10) **Patent No.:** **US D656,102 S**  
(45) **Date of Patent:** **\*\* Mar. 20, 2012**

- (54) **ELECTRICAL DEVICE**
- (75) Inventor: **Cheng-Lung Chou**, Great Neck, NY (US)
- (73) Assignee: **Leviton Manufacturing Co., Inc.**, Melville, NY (US)
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/400,500**
- (22) Filed: **Aug. 29, 2011**

**Related U.S. Application Data**

- (62) Division of application No. 29/384,691, filed on Feb. 2, 2011, now Pat. No. Des. 646,231, which is a division of application No. 29/338,204, filed on Jun. 5, 2009, now Pat. No. Des. 634,276.
- (51) **LOC (9) Cl.** ..... **13-03**
- (52) **U.S. Cl.** ..... **D13/162; D13/177**
- (58) **Field of Classification Search** ..... D13/158, D13/162, 164, 168, 177, 184, 199; D14/388, D14/485-495; D12/192-195; D8/302, 315; 200/1 R, 5 R, 52 R, 81 R, 81.4, 83, 83 Q, 200/315, 310, 6 A, 302.1, 308, 314, 317, 200/520; 296/153; 297/411.21; 307/10.1; 362/501, 23, 276, 29, 464, 802, 85; D18/24-33; D19/6, 9, 10, 52; D20/11; D21/324-333; 715/700-867, 973-977; D10/85, 96; D23/233  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 3,473,107 A 10/1969 Smalley
- 3,555,367 A 1/1971 Watson
- 3,598,937 A 8/1971 Balchunas
- 3,711,761 A 1/1973 Watson

(Continued)

**FOREIGN PATENT DOCUMENTS**

- CA 124072 8/2008

(Continued)

**OTHER PUBLICATIONS**

Intermatic Digital In-Wall Timer ST01C, [online], 2010 [retrieved on Jul. 22, 2010 from the Internet: <http://www.intermatic.com/products/timers/consumer%20indoor%20timers/in-wall%20timers/st01c.aspx>, 1 page.

(Continued)

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(57) **CLAIM**  
The ornamental design for an electrical device, as shown and described.

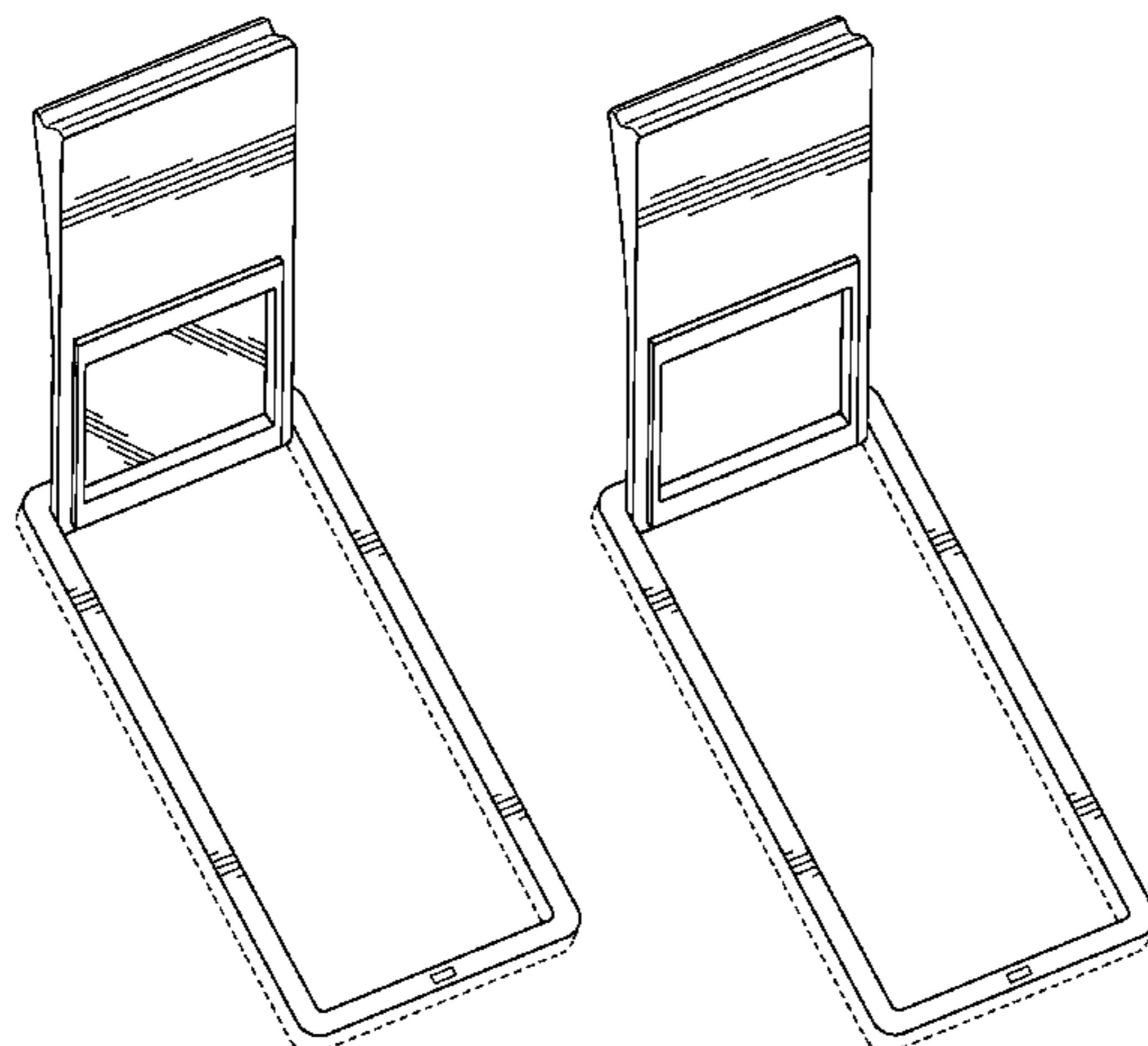
**DESCRIPTION**

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FIG. 1 is a front elevation view of a first embodiment of an electrical device showing my new design in a first state;  
 FIG. 2 is a left side elevation view thereof;  
 FIG. 3 is a right side elevation view thereof;  
 FIG. 4 is a top plan view thereof;  
 FIG. 5 is a bottom plan view thereof;  
 FIG. 6 is a front perspective view thereof;  
 FIG. 7 is a front elevation view thereof in a second state;  
 FIG. 8 is a left side elevation view thereof;  
 FIG. 9 is a right side elevation view thereof;  
 FIG. 10 is a top plan view thereof;  
 FIG. 11 is a bottom plan view thereof;  
 FIG. 12 is a front perspective view thereof;  
 FIG. 13 is a front elevation view of a second embodiment of an electrical device showing my new design in a first state;  
 FIG. 14 is a left side elevation view thereof;  
 FIG. 15 is a right side elevation view thereof;  
 FIG. 16 is a top plan view thereof;  
 FIG. 17 is a bottom plan view thereof;  
 FIG. 18 is a front perspective view thereof;  
 FIG. 19 is a front elevation view thereof in a second state;  
 FIG. 20 is a left side elevation view thereof;  
 FIG. 21 is a right side elevation view thereof;  
 FIG. 22 is a top plan view thereof;  
 FIG. 23 is a bottom plan view thereof; and,  
 FIG. 24 is a front perspective view thereof.

The broken lines in the drawings show unclaimed subject matter only and form no part of the claimed design.

**1 Claim, 14 Drawing Sheets**



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U.S. PATENT DOCUMENTS			FOREIGN PATENT DOCUMENTS				
3,740,680	A	6/1973	Schneidinger	D505,135	S	5/2005	Sapp et al.
3,939,361	A	2/1976	Aidala et al.	6,903,284	B2	6/2005	Dunfield et al.
3,979,601	A	9/1976	Franklin	6,917,167	B2	7/2005	Courtney et al.
3,988,553	A	10/1976	Astle	6,933,686	B1	8/2005	Bishel
4,002,925	A	1/1977	Monahan	D514,121	S	1/2006	Johnson
4,112,313	A	9/1978	Kutin	D518,395	S	4/2006	Yamada
4,194,182	A	3/1980	Martin	7,111,952	B2	9/2006	Veskovic
4,336,464	A	6/1982	Weber	D530,339	S	10/2006	Hernandez et al.
4,338,562	A	7/1982	Terwilliger	D534,875	S	1/2007	Wu
4,349,748	A	9/1982	Goldstein et al.	7,166,970	B2	1/2007	Johnson et al.
4,360,739	A	11/1982	Goldstein	D538,822	S	3/2007	Andre et al.
4,368,408	A	1/1983	Marcus	7,251,142	B2	7/2007	Lui
D268,025	S	2/1983	Bevilaqua et al.	D554,659	S	11/2007	Hoover et al.
D268,668	S	4/1983	Bevilaqua et al.	D554,660	S	11/2007	Hoover et al.
4,422,018	A	12/1983	Bailey	D554,661	S	11/2007	Hoover et al.
4,439,688	A	3/1984	Schornack	D561,193	S	2/2008	O'Mullan et al.
D273,488	S	4/1984	Rosenbaum et al.	D566,722	S	4/2008	Jackson
D273,581	S	4/1984	Rosenbaum et al.	D571,821	S	6/2008	Amacker
4,440,503	A	4/1984	Arichi et al.	7,386,424	B2	6/2008	DeBoer et al.
4,494,012	A	1/1985	Coker	D574,395	S	8/2008	Loretan et al.
RE31,848	E	3/1985	Nilssen	D576,565	S	9/2008	Chou et al.
4,533,972	A	8/1985	Ohashi	D576,566	S	9/2008	Wu et al.
D285,419	S	9/1986	Schwartz	D580,451	S	11/2008	Steele et al.
4,668,878	A	5/1987	Wyss	D581,425	S	11/2008	Jasinski
4,712,019	A	12/1987	Nilssen	D581,426	S	11/2008	Jasinski
D294,043	S	2/1988	Haines	D585,075	S	1/2009	Flynt et al.
4,777,384	A	10/1988	Altenhof et al.	D587,660	S	3/2009	Lin
4,835,413	A	5/1989	Nilssen	D589,829	S	4/2009	Friedli
4,922,407	A	5/1990	Birk et al.	D598,396	S	8/2009	Lee
4,950,913	A	8/1990	Kephart	D598,927	S	8/2009	Hirsch et al.
5,059,871	A	10/1991	Pearlman et al.	D602,014	S	10/2009	Andre et al.
D321,855	S	11/1991	Ross	D606,028	S	12/2009	Chou
5,063,355	A	11/1991	Sasaki et al.	D606,029	S	12/2009	Chou
5,088,071	A	2/1992	Miyamoto et al.	D608,793	S	1/2010	Canu-Chiesa
5,160,853	A	11/1992	Simon et al.	D609,650	S	2/2010	Chou et al.
5,191,265	A	3/1993	D'Aleo et al.	D611,003	S	3/2010	Muirhead et al.
5,258,656	A	11/1993	Pawlick	D611,845	S	3/2010	Sadler et al.
5,397,930	A	3/1995	Nilssen	D611,899	S	3/2010	Yang
5,430,356	A	7/1995	Ference et al.	D614,192	S	4/2010	Takano et al.
5,508,878	A	4/1996	Pecore	D614,652	S	4/2010	Arnell
5,530,322	A	6/1996	Ference et al.	D614,653	S	4/2010	Arnell
D380,396	S	7/1997	Svarnias et al.	D615,100	S	5/2010	Canu-Chiesa
D380,403	S	7/1997	Svarnias et al.	D618,901	S	7/2010	Leifeld et al.
5,650,716	A	7/1997	Kim	D618,902	S	7/2010	Leifeld et al.
5,662,213	A	9/1997	Kattler et al.	D618,903	S	7/2010	Leifeld et al.
D386,430	S	11/1997	Czerlanis et al.	D618,904	S	7/2010	Leifeld et al.
D389,073	S	1/1998	Schmidt et al.	D619,350	S	7/2010	Leifeld et al.
5,715,214	A	2/1998	Svarnias	D619,614	S	7/2010	O'Mullan et al.
D402,902	S	12/1998	Chen	D619,800	S	7/2010	Leifeld et al.
D402,903	S	12/1998	Chen	D619,972	S	7/2010	Felegy et al.
D406,775	S	3/1999	Kadono	2004/0002792	A1	1/2004	Hoffknecht
D408,303	S	4/1999	Janda et al.	2005/0023118	A1	2/2005	Dunfield et al.
D409,505	S	5/1999	Janda et al.	2005/0110416	A1	5/2005	Veskovic
D418,497	S	1/2000	Howard et al.	2006/0125324	A1	6/2006	Lai Lui
6,011,755	A	1/2000	Mulhall et al.	2006/0146652	A1	7/2006	Huizi et al.
6,046,550	A	4/2000	Ference et al.	2007/0097793	A1	5/2007	Nguy et al.
6,121,889	A	9/2000	Janda et al.	2007/0193863	A1	8/2007	Wu
D435,524	S	12/2000	Korhonen	2008/0061633	A1	3/2008	Blair et al.
D445,745	S	7/2001	Norman	2008/0077360	A1	3/2008	DeBoer et al.
6,262,496	B1	7/2001	Lamar et al.	2009/0213698	A1	8/2009	Ostrovsky et al.
6,262,497	B1	7/2001	Muroi et al.				
D449,235	S	10/2001	Stekelenburg				
D449,541	S	10/2001	Stekelenburg				
D450,604	S	11/2001	Stekelenburg				
6,340,868	B1	1/2002	Lys et al.				
D455,359	S	4/2002	Stekelenburg	EP	0167848	B1	8/1988
6,388,952	B2	5/2002	Kim	EP	0156864	B1	11/1988
6,429,549	B1	8/2002	Muroi et al.	EP	0316913	A2	5/1989
6,448,987	B1	9/2002	Easty et al.	EP	0376409	A2	7/1990
D464,360	S	10/2002	Grundel et al.	EP	0141655	B1	2/1991
D464,577	S	10/2002	Timmer et al.	EP	0259639	B1	2/1991
D467,821	S	12/2002	Ogawa	EP	0394654	B1	2/1993
D476,995	S	7/2003	Kreikemeier et al.	EP	0745914	B1	3/1999
D484,817	S	1/2004	Stekelenburg	EP	0730209	B1	4/1999
D493,471	S	7/2004	McIntosh	EP	1734795	A1	12/2006
6,761,470	B2	7/2004	Sid	WO	8102808	A1	10/1981
D500,686	S	1/2005	Stekelenburg	WO	2004086195	A2	10/2004
D500,687	S	1/2005	Morrison et al.	WO	2006074118	A2	7/2006

## OTHER PUBLICATIONS

Intermatic Electronic 7-Day In-Wall Time Switch, E1500 Series, 2003, 6 pages.

Intermatic Electronic In-Wall Time Switch, EI Series, Sep. 9, 2010, 4 pages.

Intermatic DT121C Digital Plug In Timer, Product Fact Sheet, Intermatic Incorporated, Spring Grove, IL, Aug. 1, 2003.

Intermatic General Catalog, Indoor Plug-In Timers, Intermatic Incorporated, Spring Grove, IL, 2008, p. 178.

Intermatic Model DT500CH Series Digital Timer, Installation and User Instructions, Aug. 12, 2009, Intermatic Incorporated, Spring Grove, Illinois, US.

Intermatic Model DT500CH Series Digital Timer, Installation and User Instructions, Jun. 4, 2009, Intermatic Incorporated, Spring Grove, Illinois, US.

Intermatic Model DT500CH Series Digital Timer, Installation and User Instructions, Intermatic Incorporated, Oct. 27, 2009, 4 pages.

Intermatic Model DT500CL Series Digital Timer, Installation and User Instructions, Aug. 12, 2009, Intermatic Incorporated, Spring Grove, Illinois, US.

Intermatic Model DT500CL Series Digital Timer, Installation and User Instructions, Jun. 4, 2009, Intermatic Incorporated, Spring Grove, Illinois, US.

Intermatic NE5C Plug In Photo Control, Product Fact Sheet, Intermatic Incorporated, Spring Grove, IL, Jun. 12, 2002.

Leviton 6124H-W, Product Specifications/Info, 2007, Leviton Manufacturing Co., Inc., Melville, NY, US.

Leviton Residential Catalog, 2008, pp. 43-53, 76-77, 198-203 and 213-217, Leviton Manufacturing Co., Inc., Melville, NY, US.

Vizia-RF Scene Capable Plug-in Appliance and Lamp Dimming Modules, Leviton Manufacturing Co., Inc., Little Neck, NY, 2006, 4 pages.

Wireless Occupancy Sensor Products Installation Instructions, 2008, Leviton Manufacturing Co., Inc., Melville, NY, US.

Wireless Sensing Solution, 2008, Leviton Manufacturing Co., Inc., Melville, NY, US.

Wireless Wall Switch Receiver and Self-Powered Remote Switch, 2008, Leviton Manufacturing Co., Inc., Melville, NY, US.

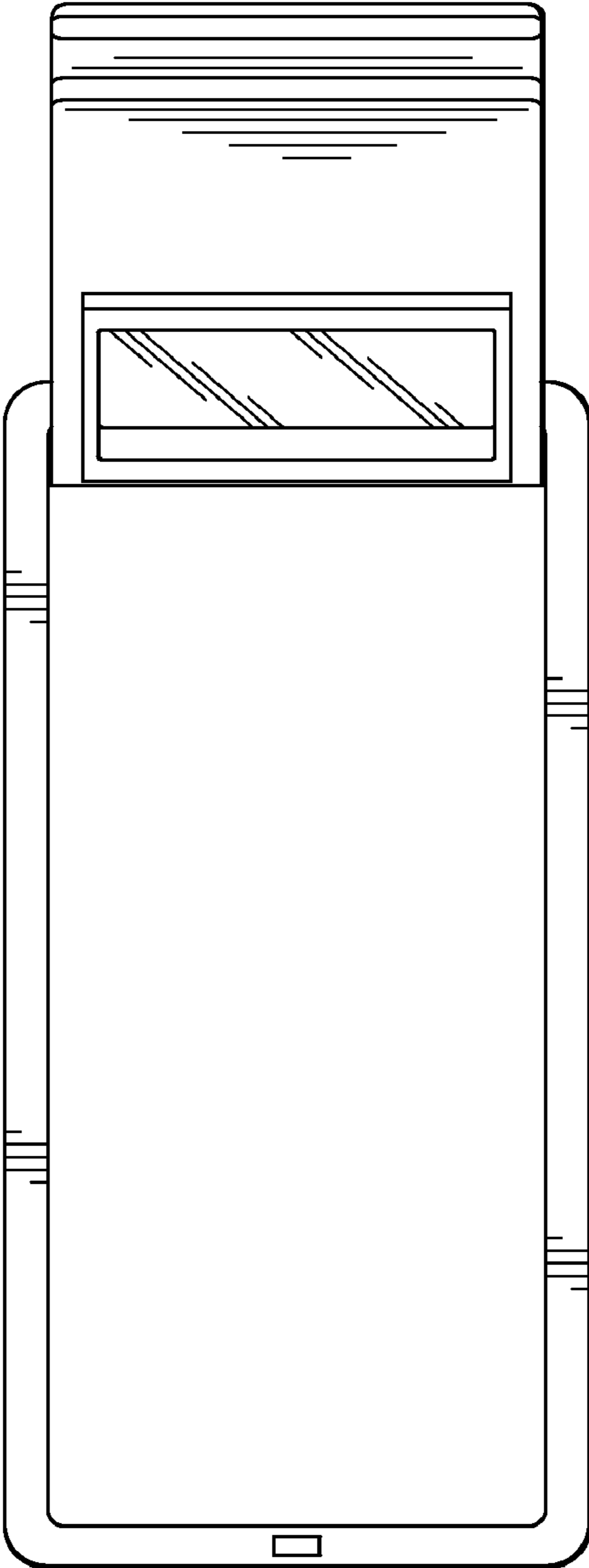


FIG. 1

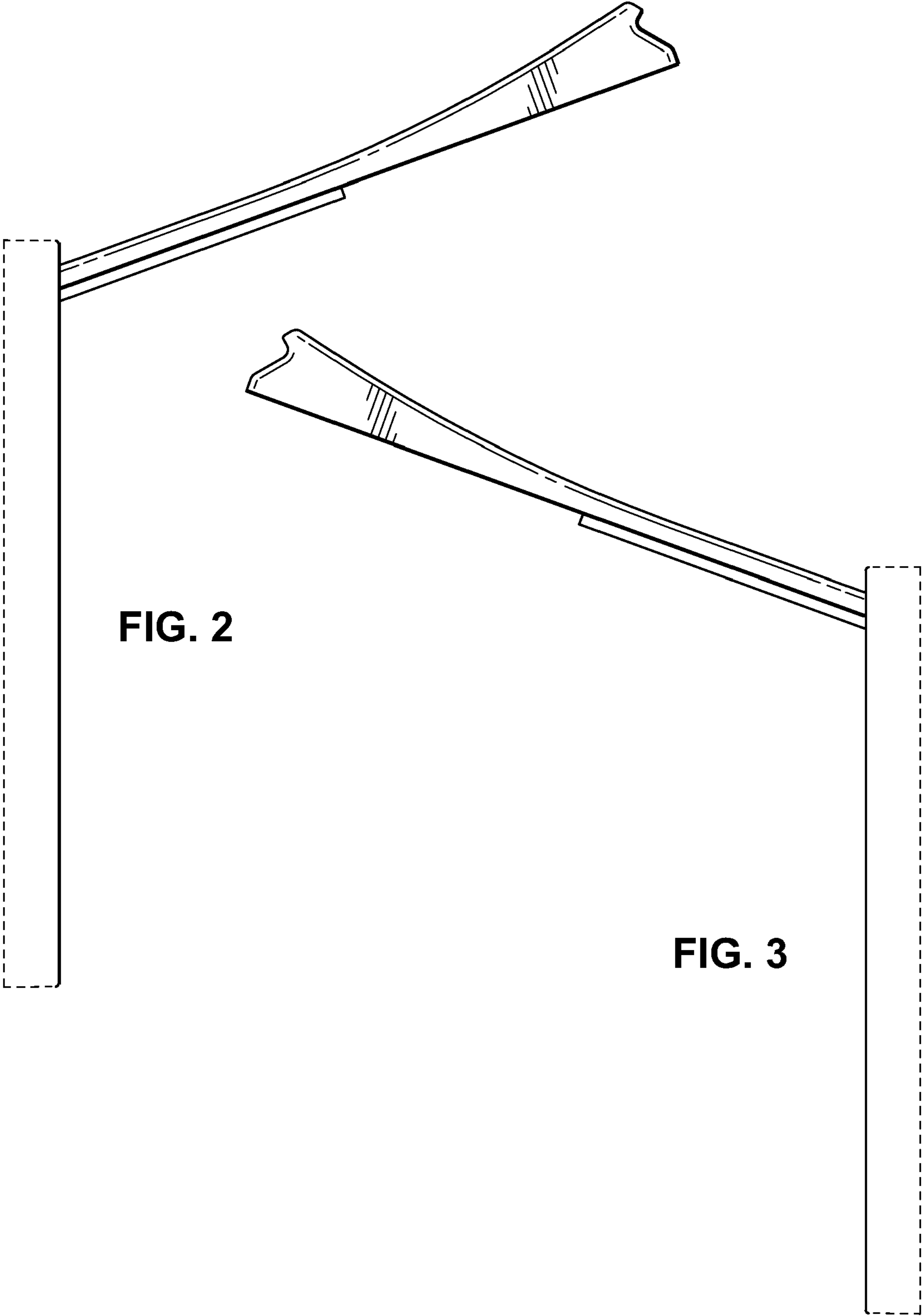


FIG. 2

FIG. 3

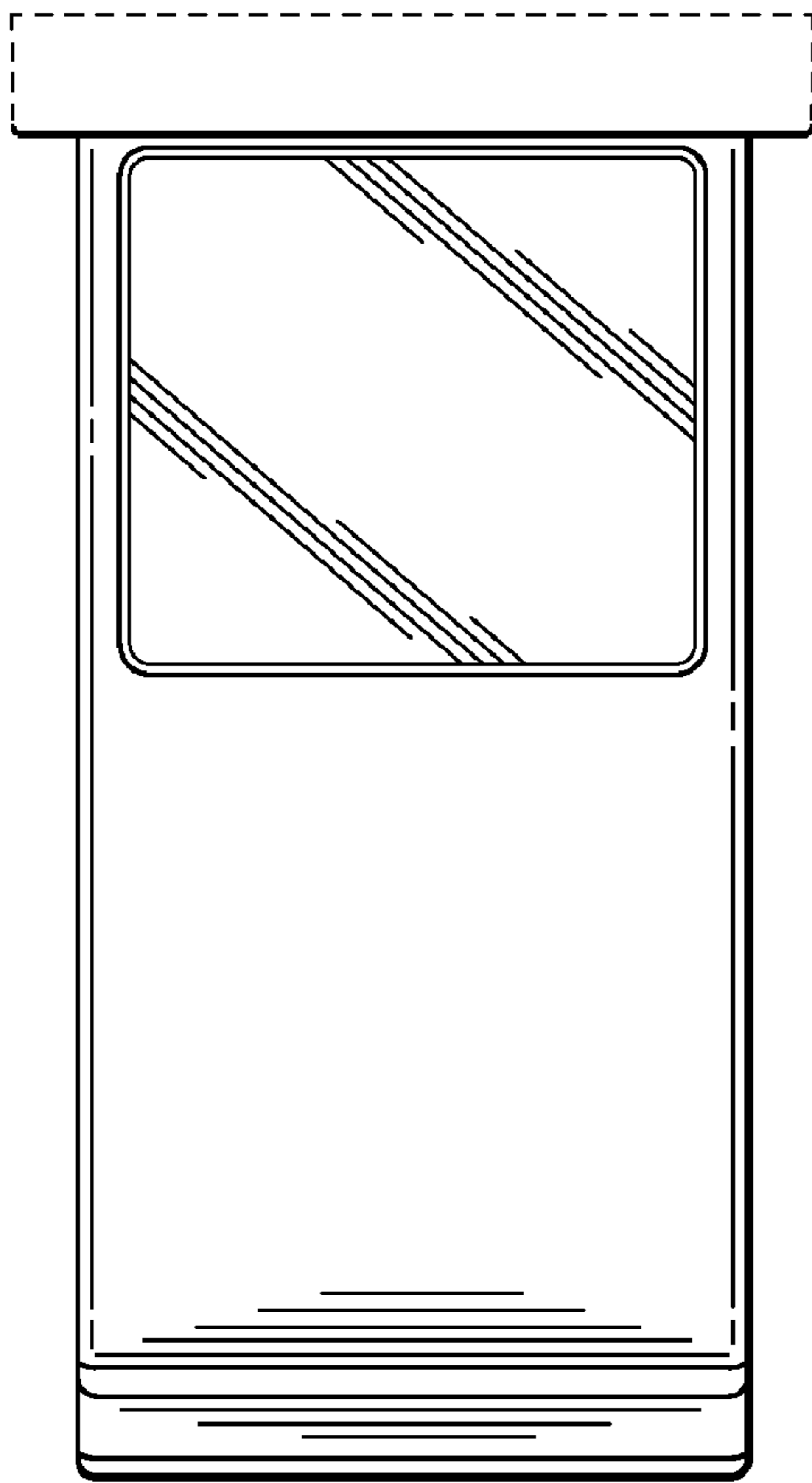


FIG. 4

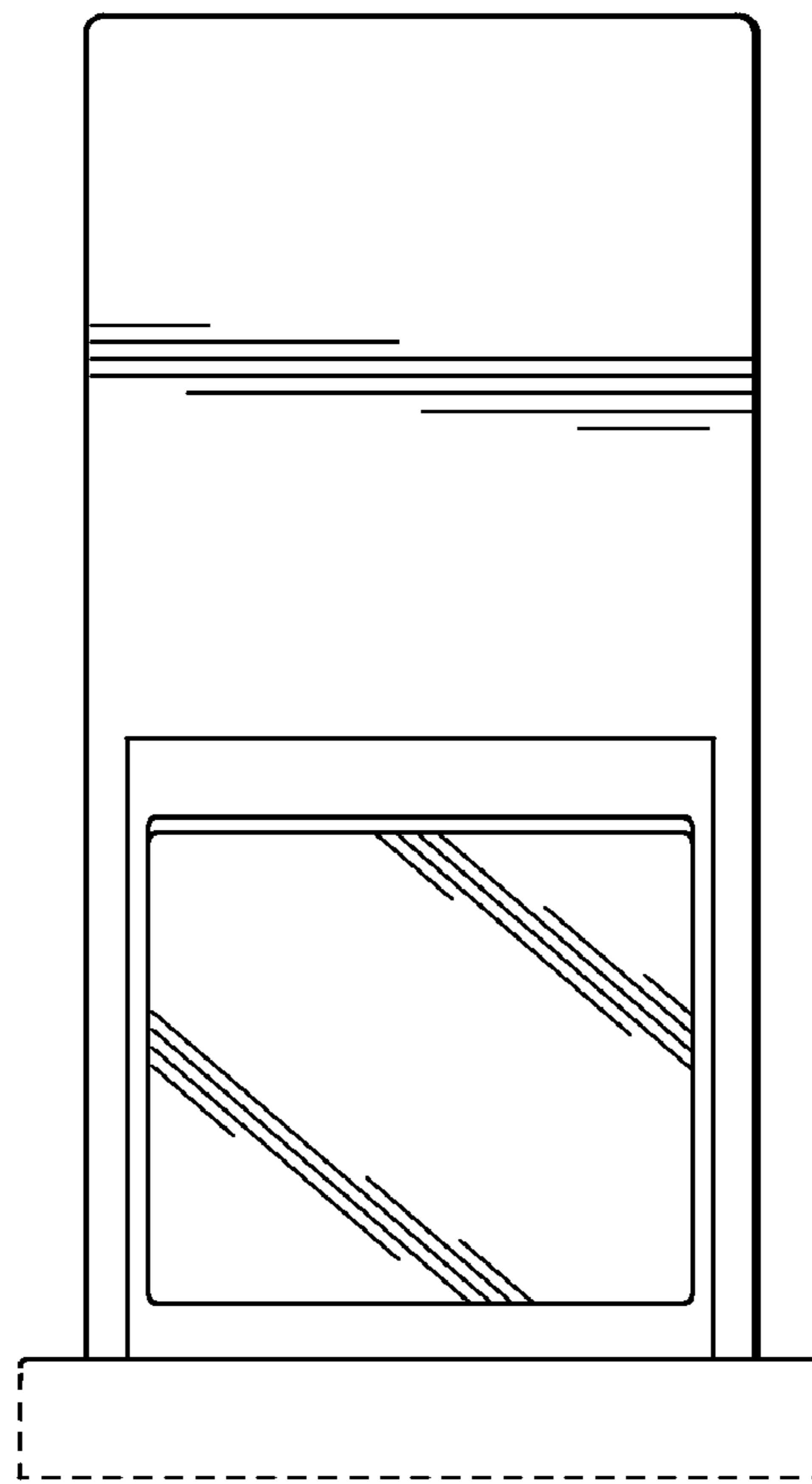


FIG. 5

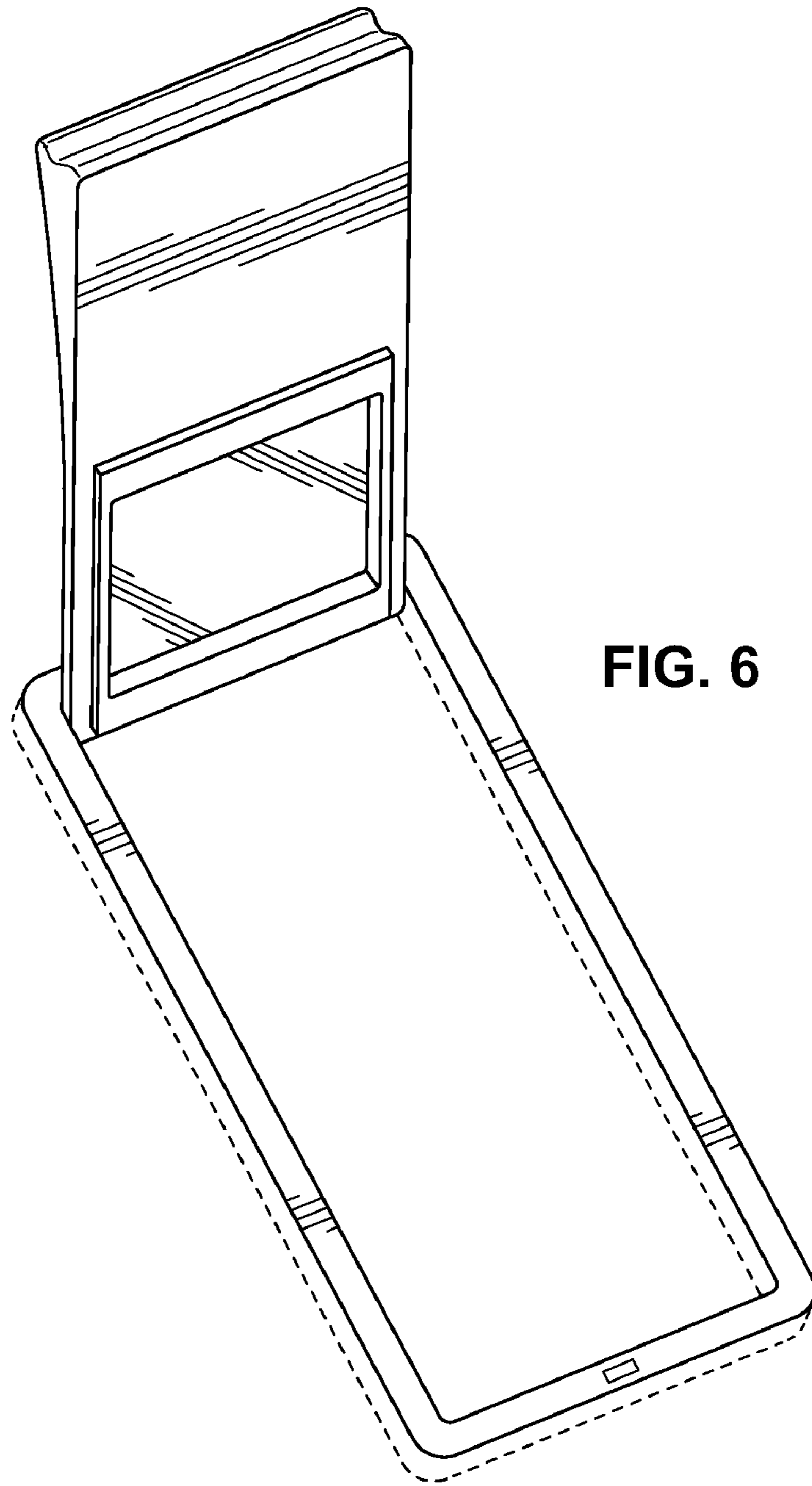


FIG. 6

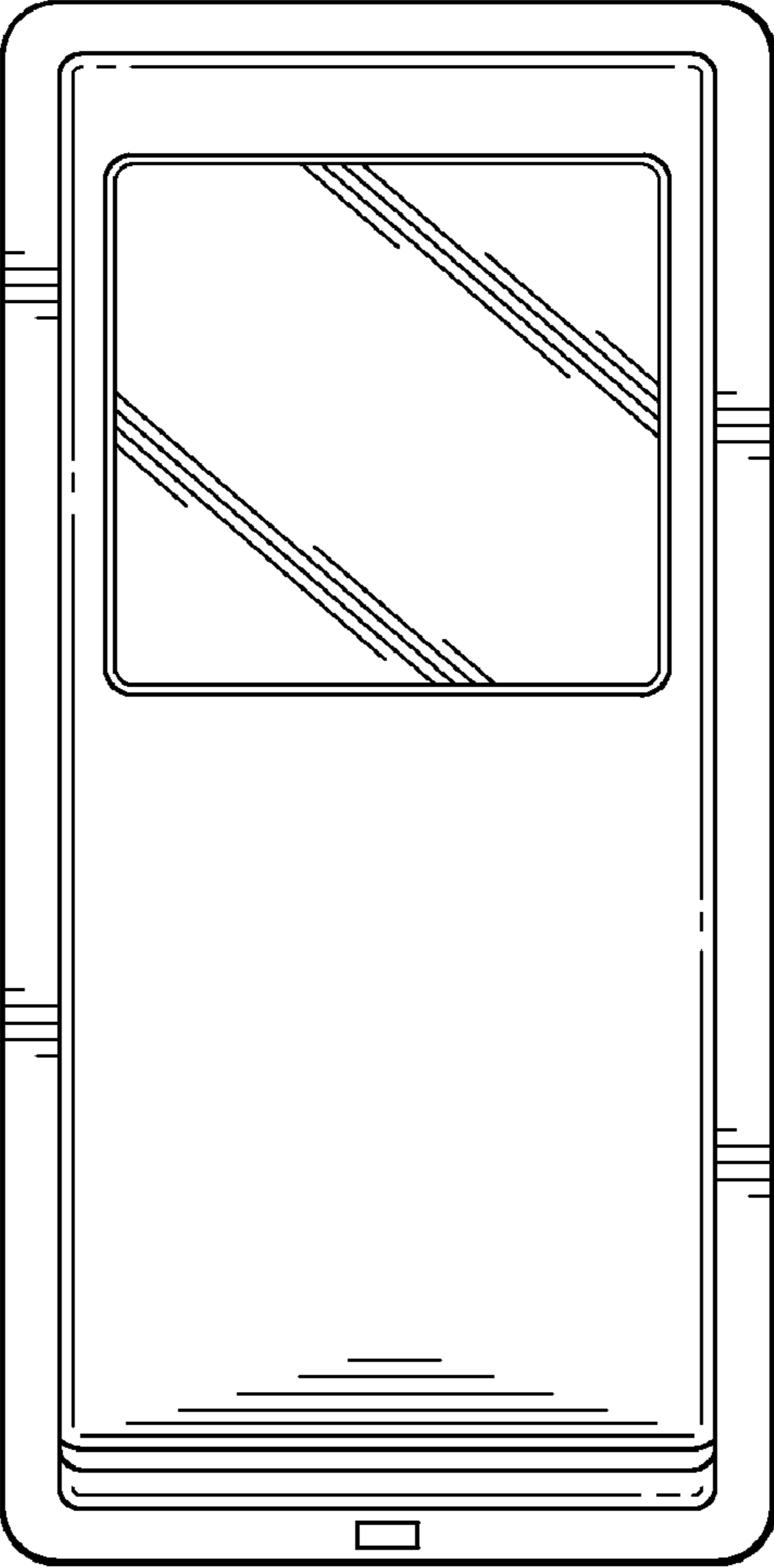
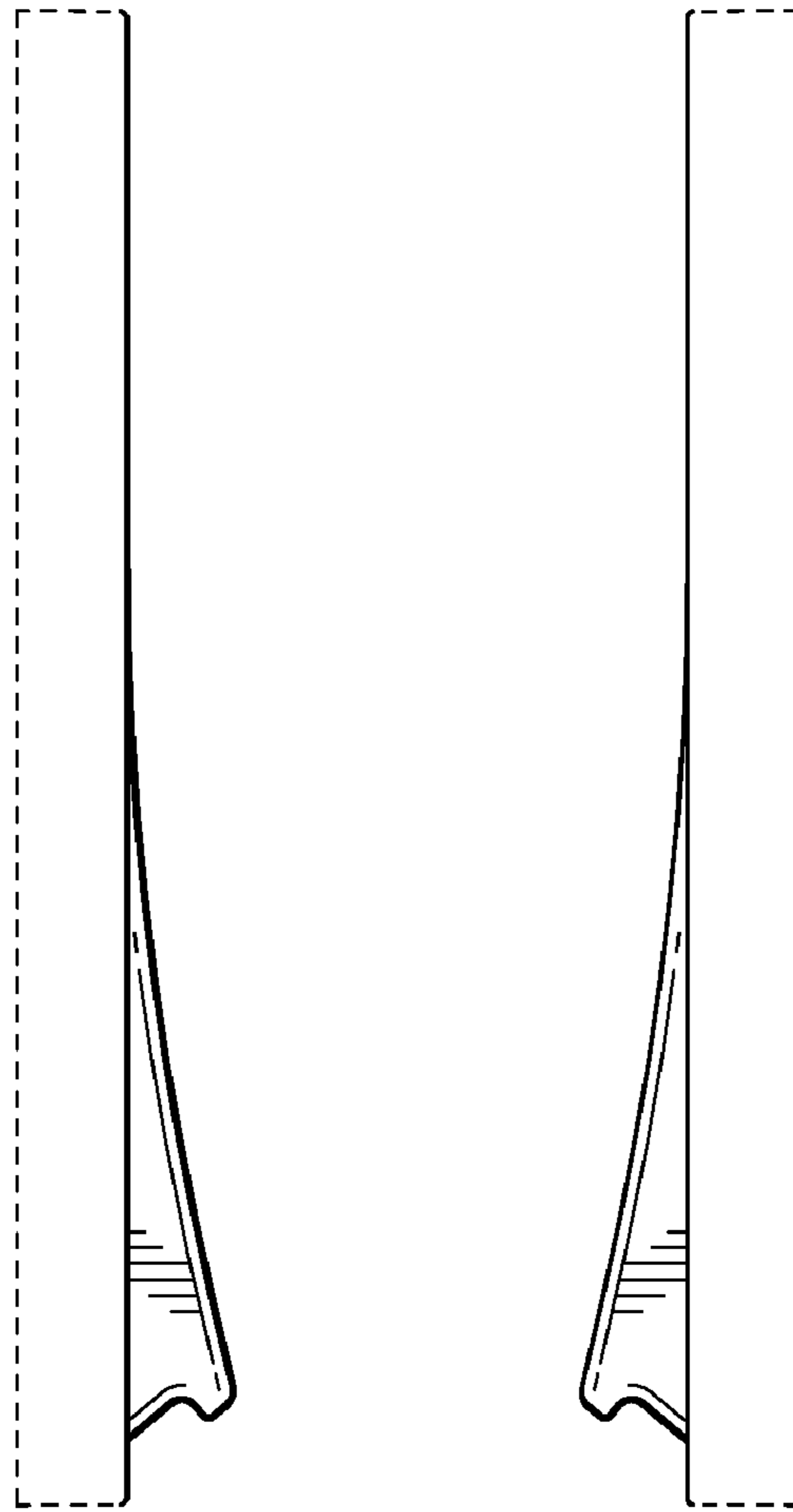


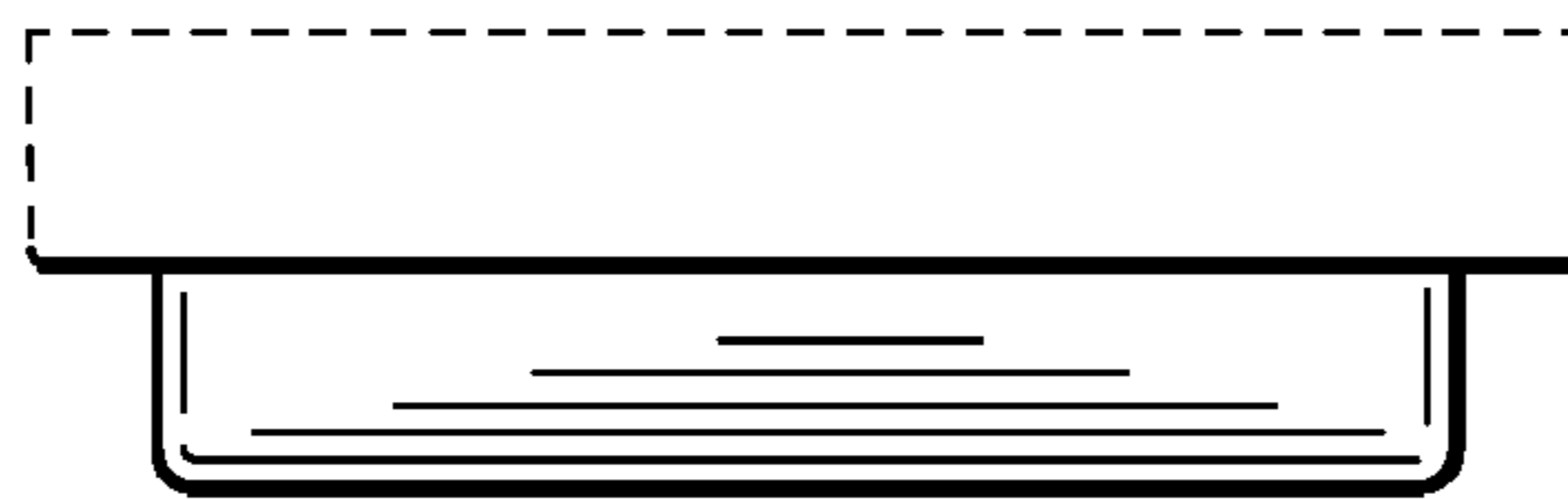
FIG. 7





**FIG. 8**

**FIG. 9**



**FIG. 10**



**FIG. 11**

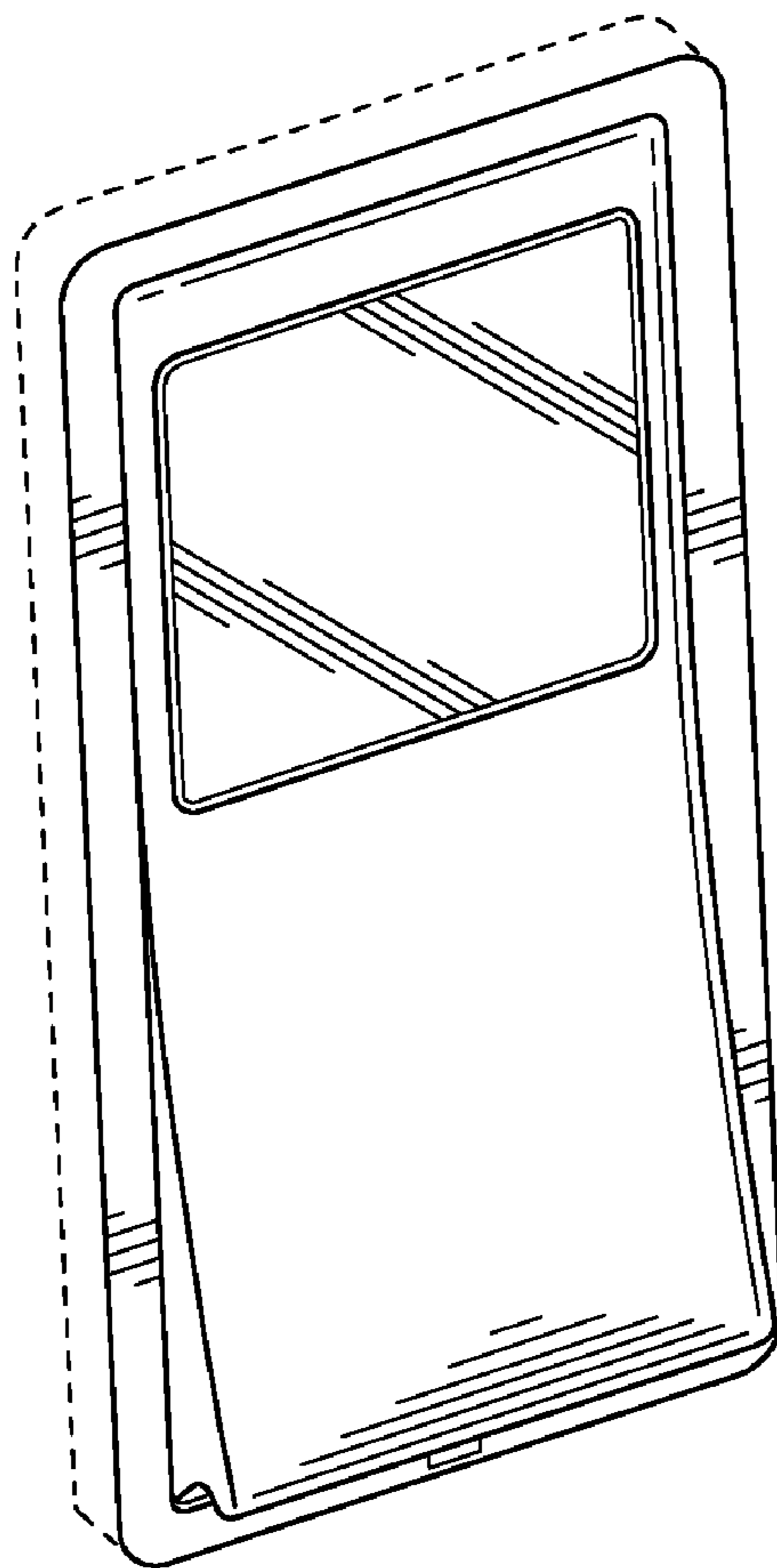


FIG. 12

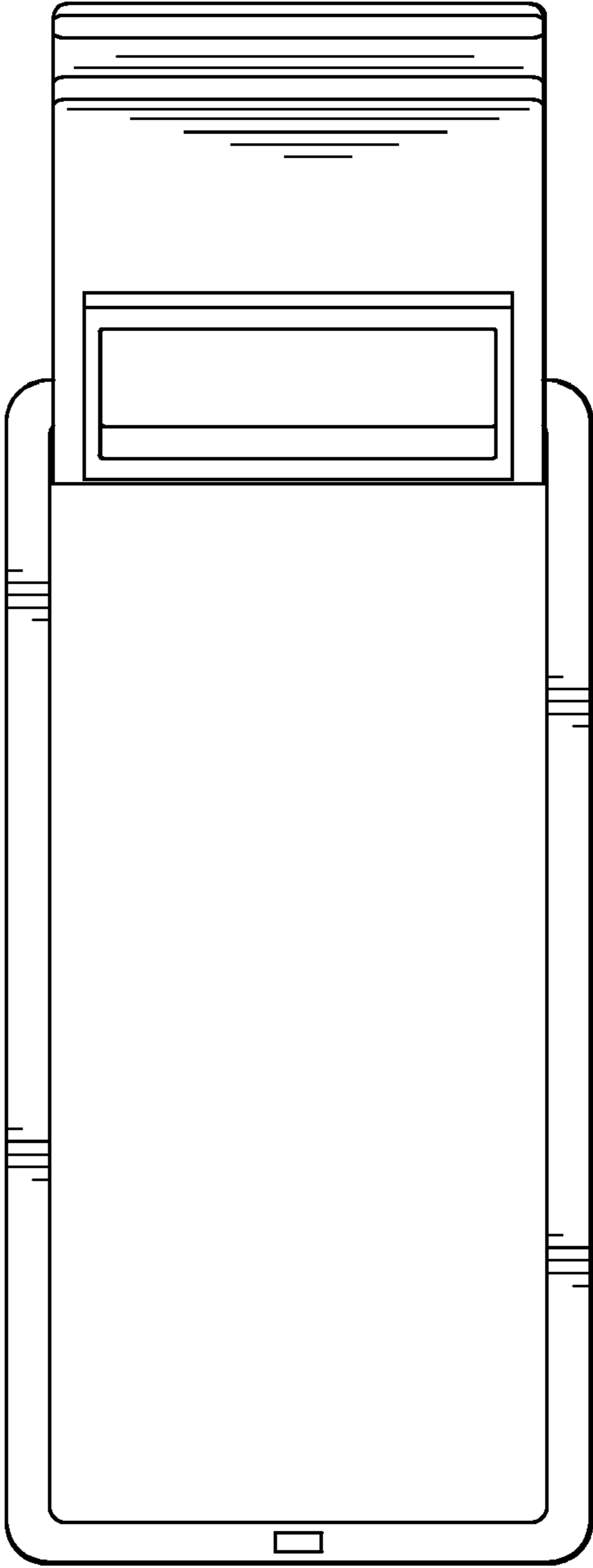


FIG. 13

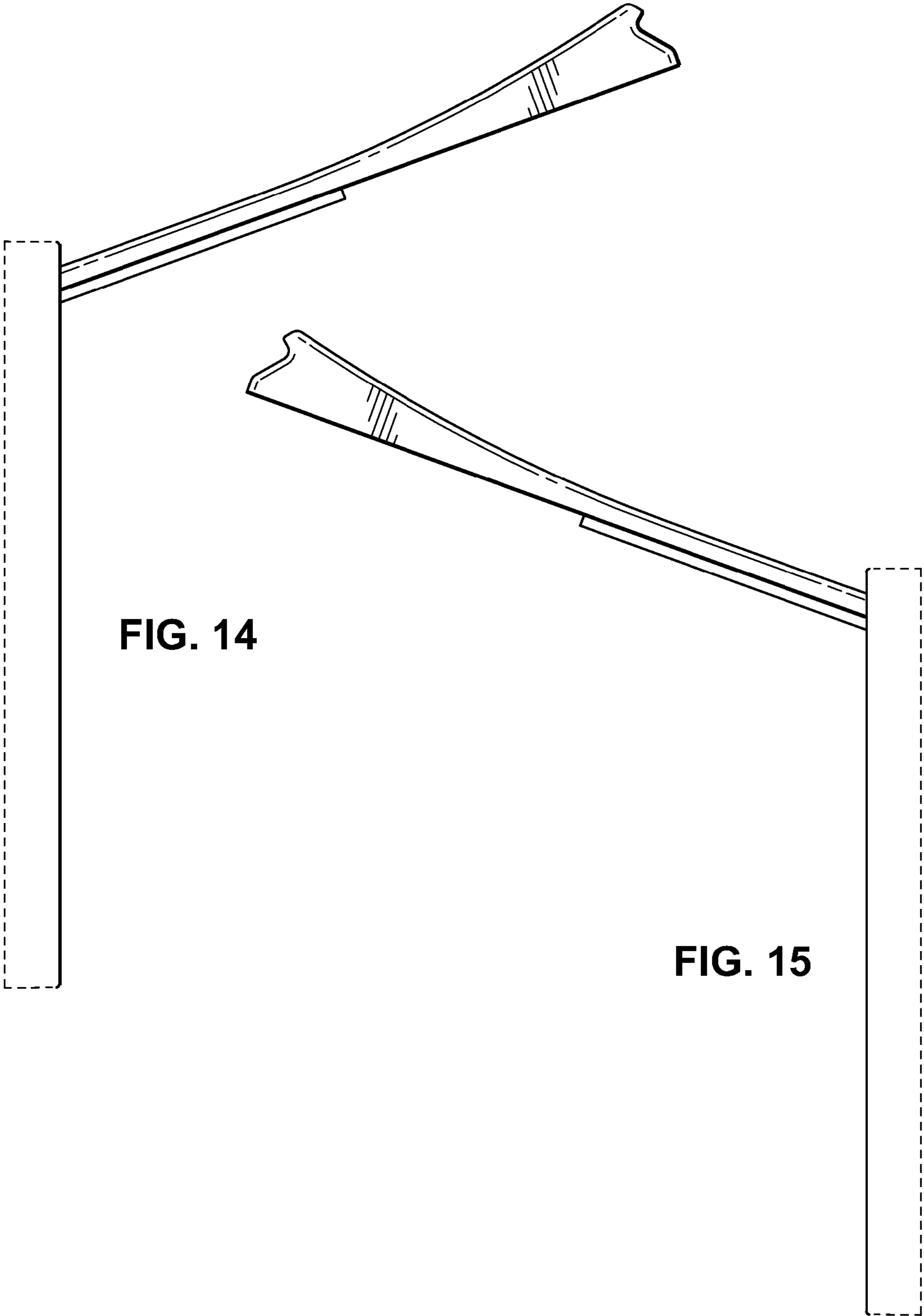


FIG. 14

FIG. 15

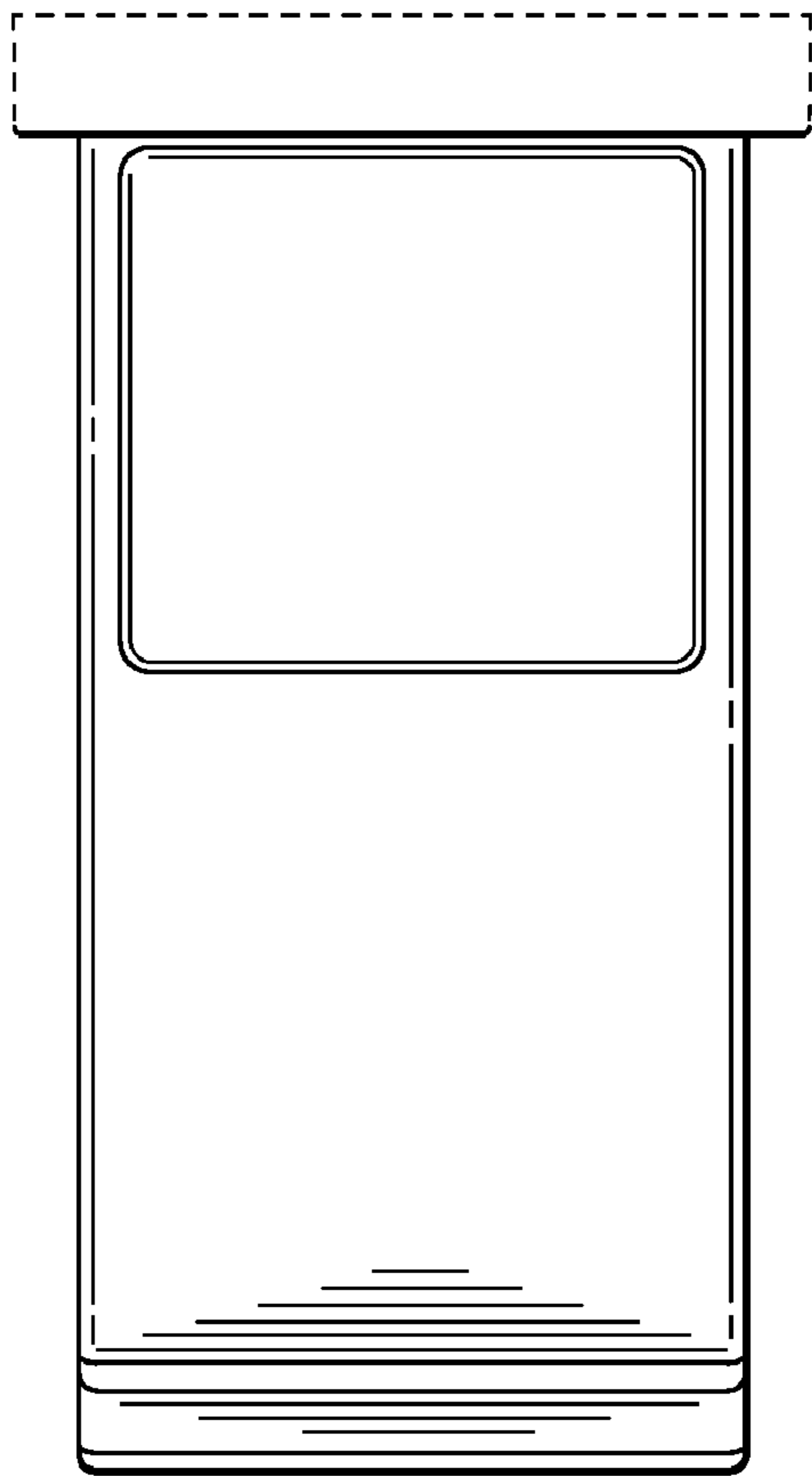


FIG. 16

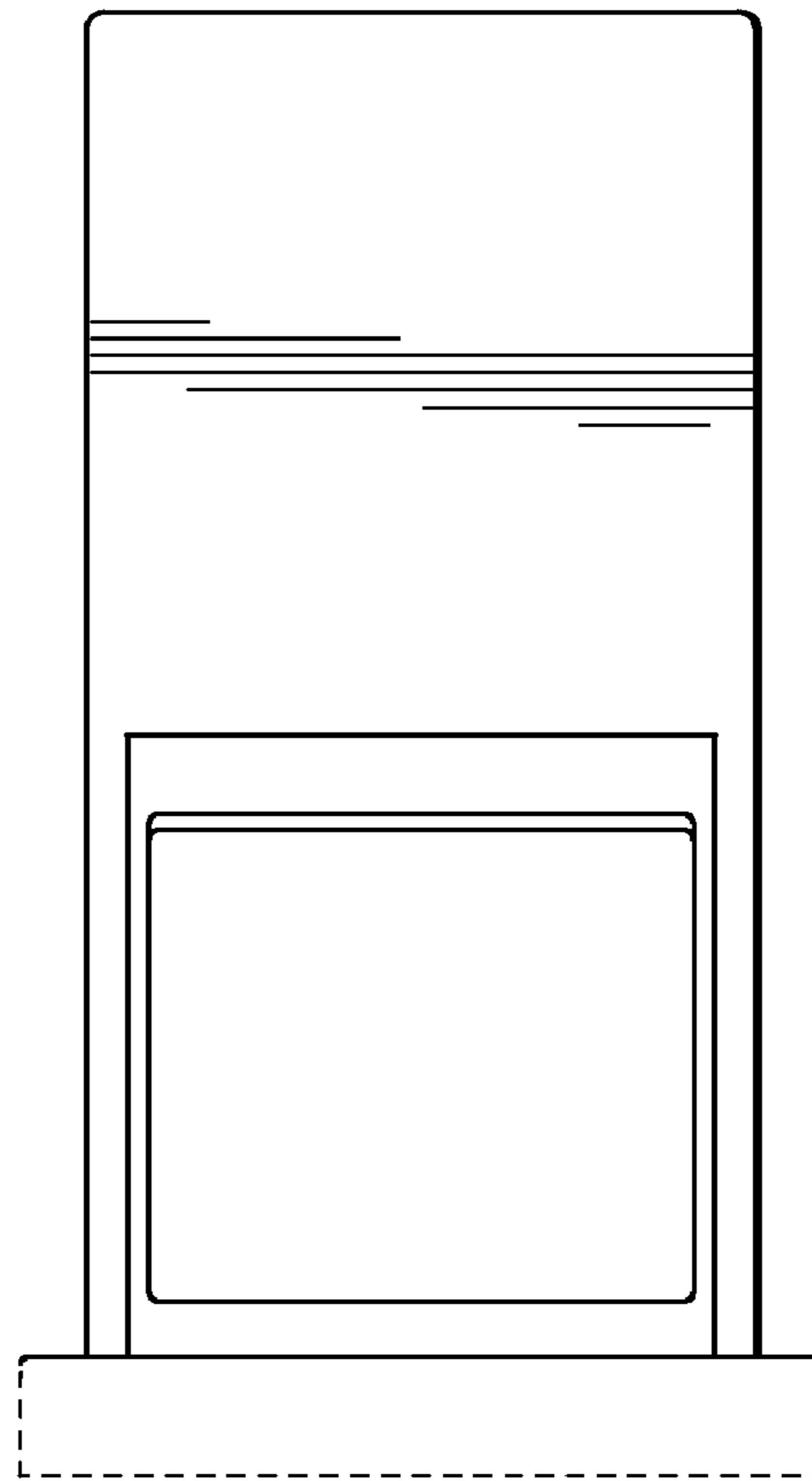


FIG. 17

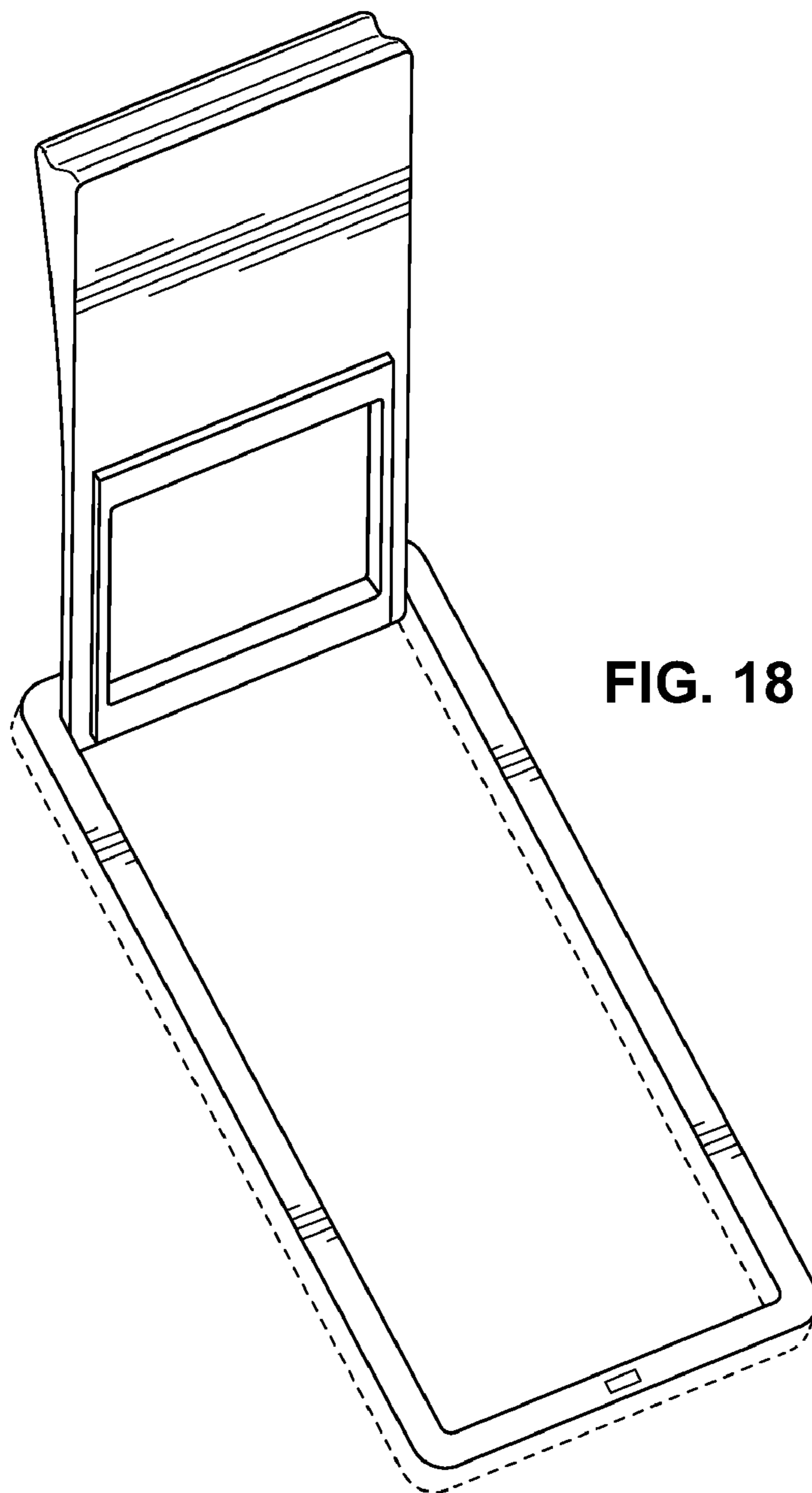


FIG. 18

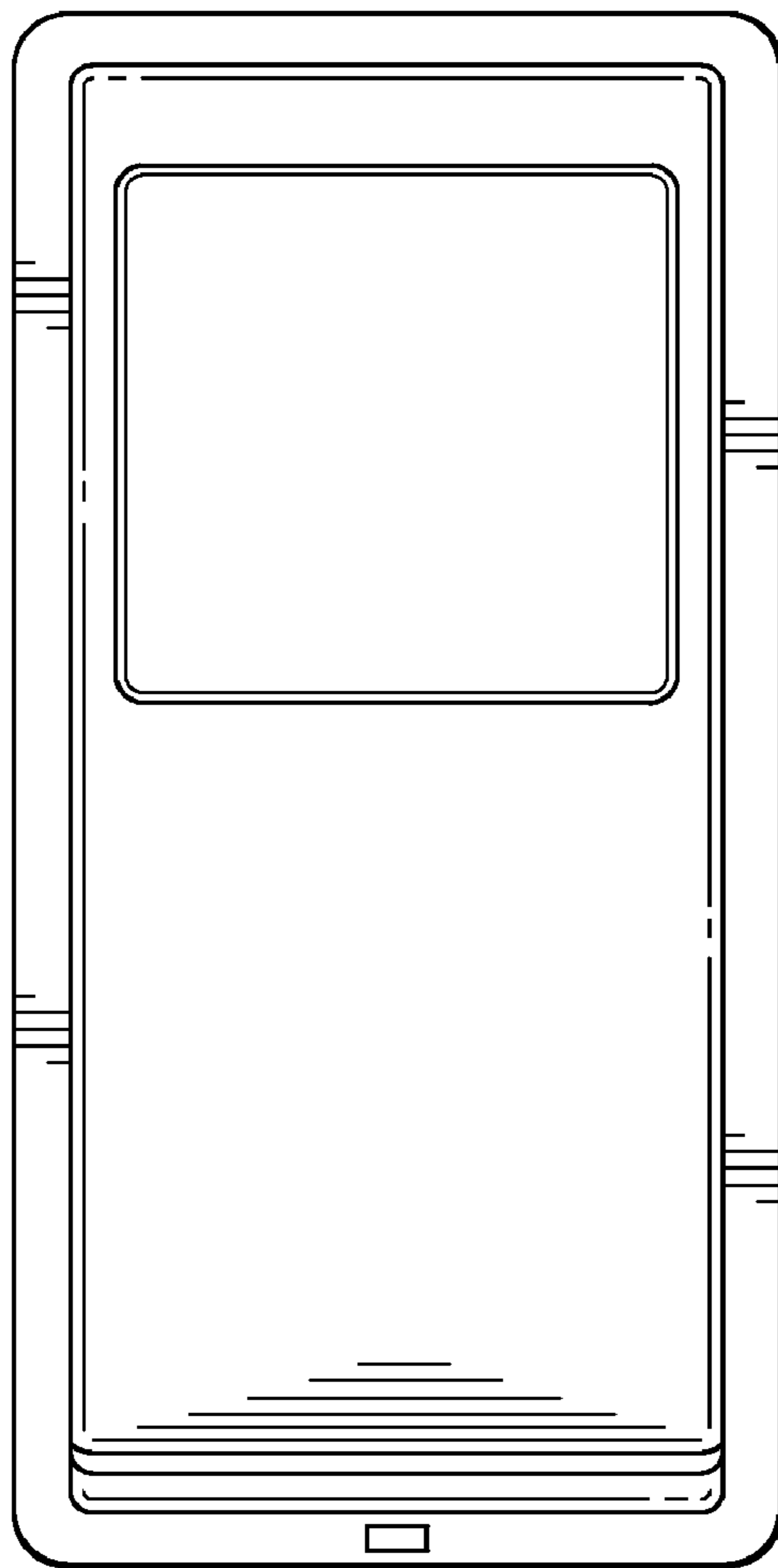


FIG. 19

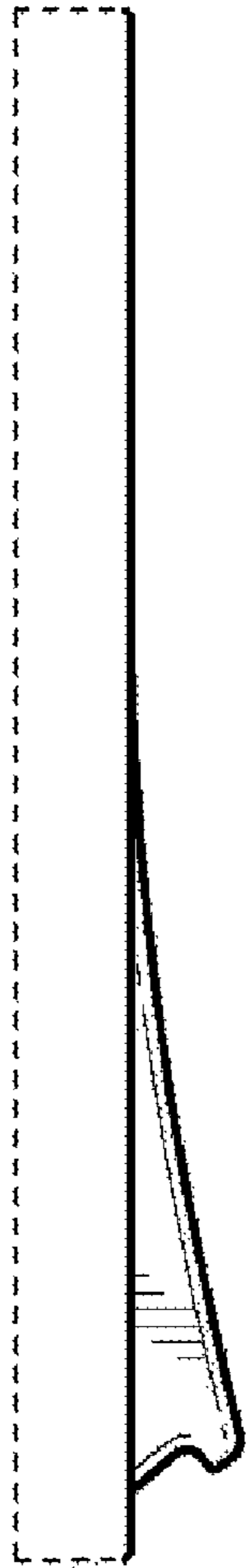


FIG. 20

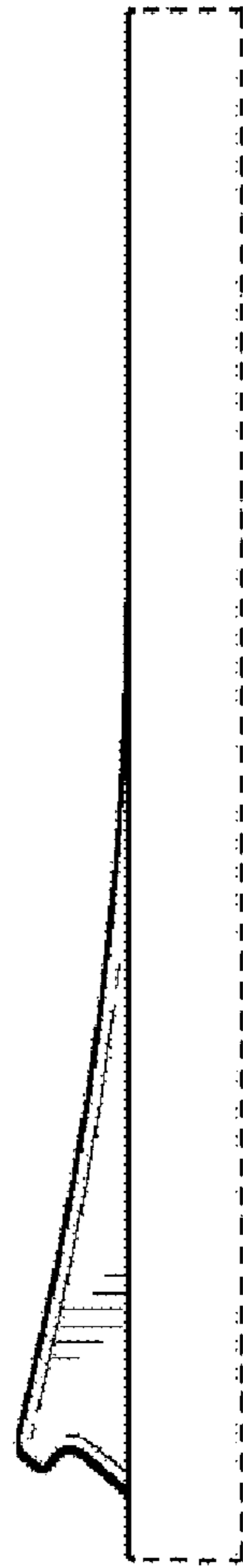


FIG. 21

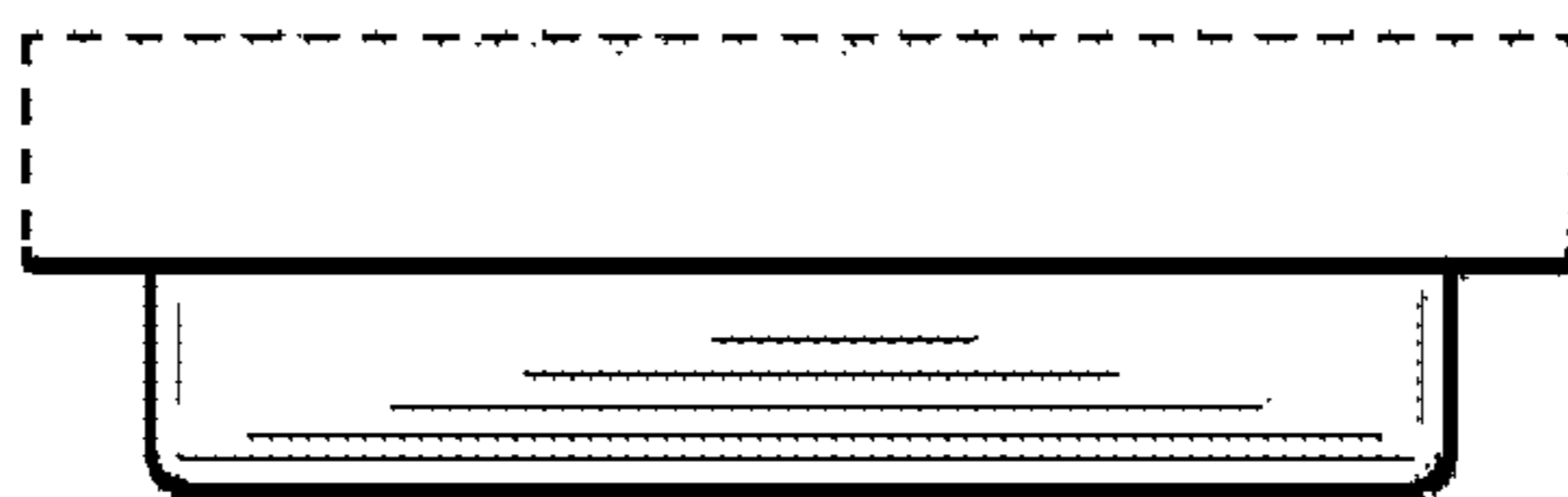


FIG. 22

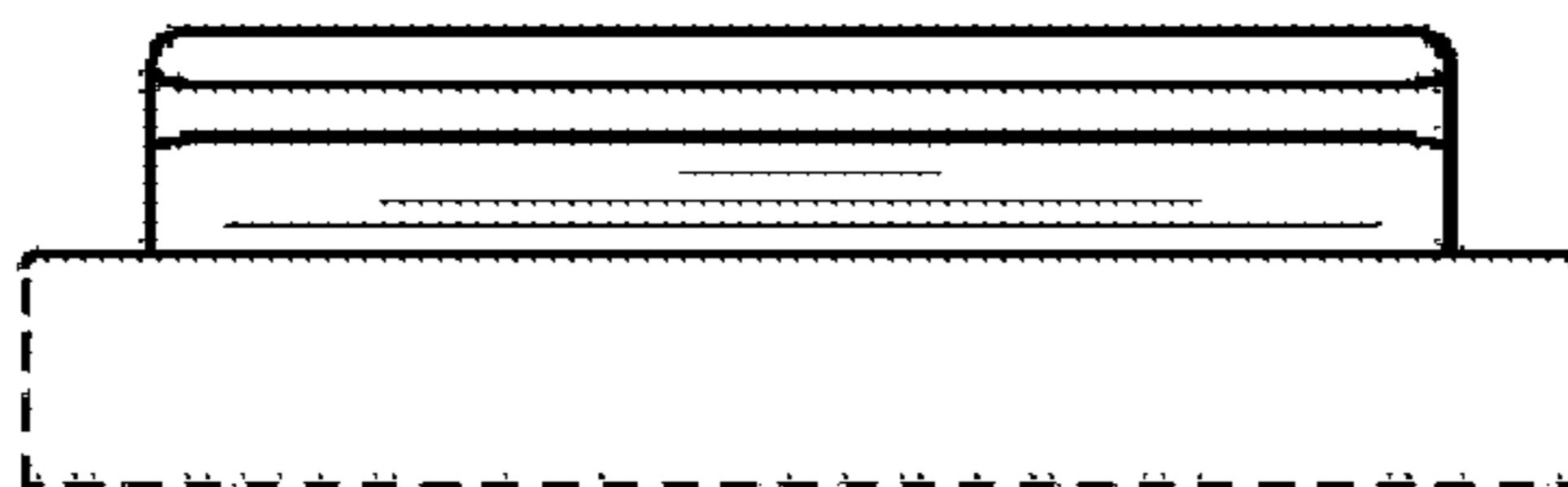


FIG. 23



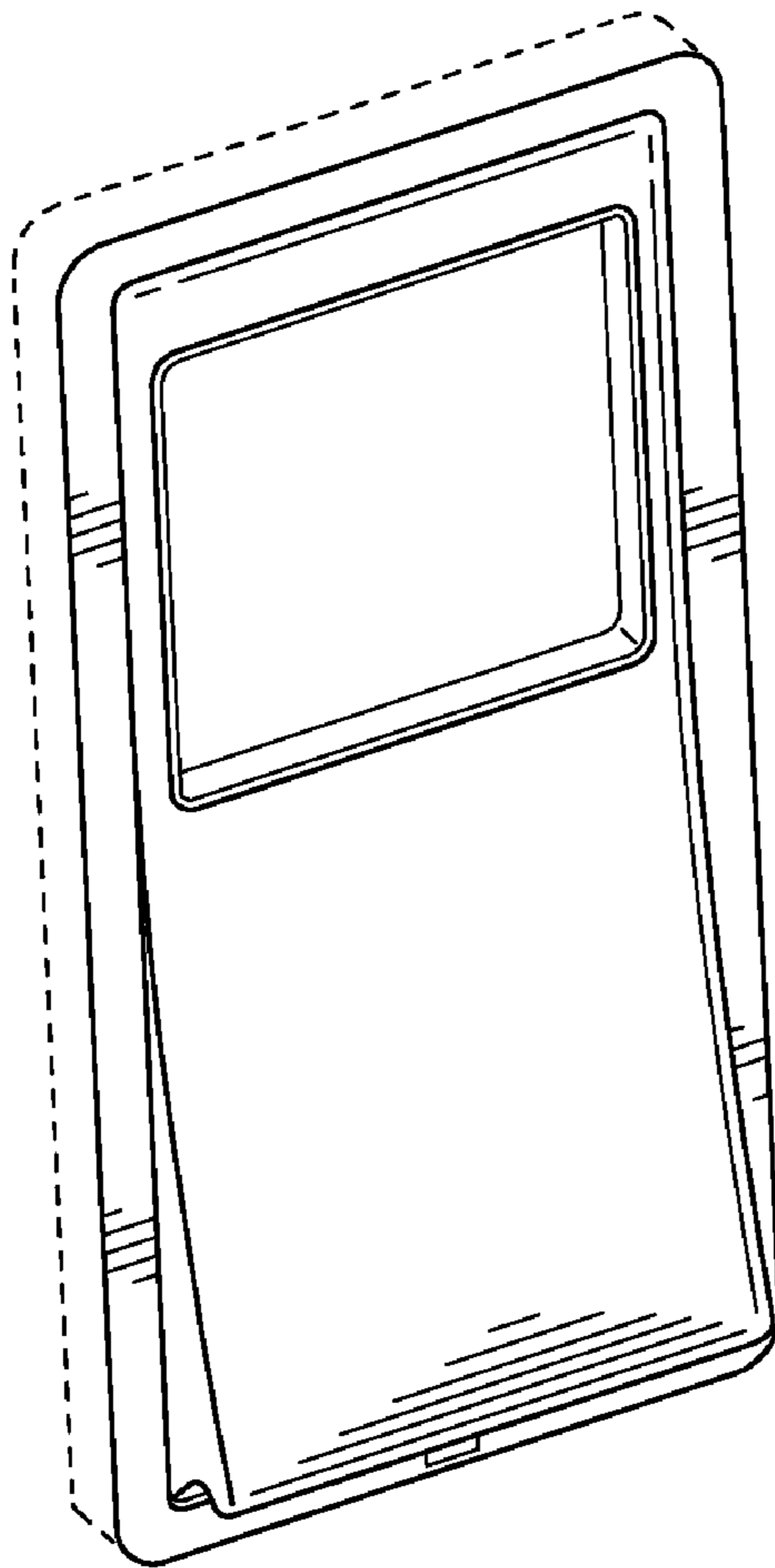


FIG. 24