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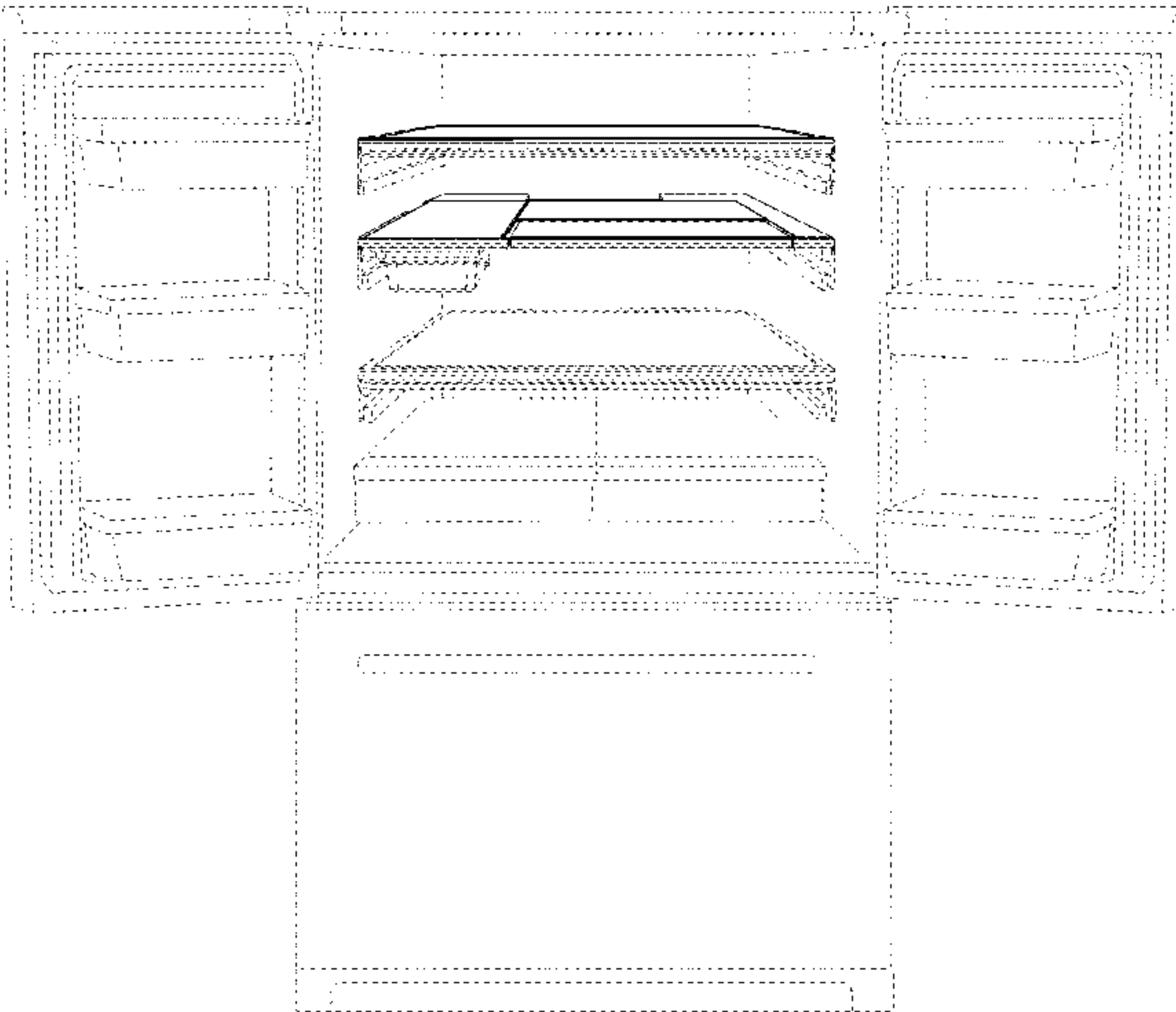
US D883,348 S

(45)

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(54)	REFRIGERATOR SHELF	2,597,267 A	5/1952	Shoemaker et al.
		2,694,906 A	11/1954	Didion
(71)	Applicant: WHIRLPOOL CORPORATION, Benton Harbor, MI (US)	2,710,993 A	6/1955	Kirkpatrick
		2,737,782 A	3/1956	Antico
		2,742,559 A	4/1956	Edelman
		2,748,573 A	6/1956	Staebler et al.
(72)	Inventors: Julia B. Burke, Chicago, IL (US); Mansour Ourasanah, Chicago, IL (US); Daniel H. Quinlan, Stevensville, MI (US)	2,773,677 A	12/1956	Hinkel
		2,804,068 A	8/1957	Miller et al.
		2,841,132 A	7/1958	Philipp
		2,875,016 A	2/1959	Fry
		3,410,260 A	11/1968	Morgan
(73)	Assignee: Whirlpool Corporation, Benton Harbor, MI (US)	3,866,437 A	2/1975	Spencer
		3,984,163 A	10/1976	Boorman, Jr. et al.
		4,638,644 A	1/1987	Gidseg
		4,732,435 A	3/1988	Bailey et al.
		4,834,557 A	5/1989	Dreinhoff
		4,914,928 A	4/1990	Fellwock et al.
		4,998,382 A	3/1991	Kostos et al.
		5,362,145 A	11/1994	Bird et al.
		5,415,472 A	5/1995	Brise
		5,429,043 A	7/1995	Becker
		5,447,146 A	9/1995	Nickerson
		5,524,981 A	6/1996	Herrmann et al.
		5,564,809 A	10/1996	Kane et al.
		5,660,777 A	8/1997	Herrmann et al.
		5,735,589 A	4/1998	Herrmann et al.
		5,813,741 A	9/1998	Fish et al.
		5,918,959 A	7/1999	Lee
		6,045,101 A	4/2000	Goyette et al.
		6,174,482 B1	1/2001	Reames et al.
		6,220,684 B1	4/2001	Bent et al.
		6,474,094 B2	11/2002	Kim
		6,488,347 B1	12/2002	Bienick
		6,604,800 B2	8/2003	Hamilton
		6,811,045 B1	11/2004	Masker et al.
		D505,140 S	5/2005	Reed et al.
		D511,535 S *	11/2005	Grobleben D15/89
		D513,757 S *	1/2006	Grobleben D15/89
		D515,114 S *	2/2006	Grobleben D15/89
		D516,100 S	2/2006	Vardon
		D516,102 S	2/2006	Vardon
		D523,034 S	6/2006	Vardon
		7,059,693 B2	6/2006	Park
		D525,633 S	7/2006	Vardon
		7,070,249 B2	7/2006	Leimkuehler et al.
		7,131,545 B1	11/2006	Grogan
		7,178,890 B2	2/2007	Park et al.
		7,188,738 B2	3/2007	Stafford et al.
		7,232,194 B2	6/2007	Becke et al.
		D551,262 S	9/2007	Becke
		7,270,385 B2	9/2007	Mathur et al.
		7,552,983 B2	6/2009	Shin
		D603,883 S *	11/2009	Placke D15/89
(56)	References Cited			
	U.S. PATENT DOCUMENTS			
	774,117 A	11/1904	Tandy	
	1,997,432 A	4/1935	Replogle	
	2,282,342 A	5/1942	Preble	
	2,412,904 A	12/1946	Money et al.	
	2,434,117 A	1/1948	Money et al.	
	2,466,360 A	4/1949	Bitney	
	2,509,592 A	5/1950	Giffard	
	2,517,385 A	8/1950	Clark	
	2,573,272 A	10/1951	Petkwitz	



US D883,348 S

Page 2

7,651,182	B2	1/2010	Eveland et al.	
7,726,753	B2	6/2010	Bassi	
7,748,569	B2	7/2010	Sunatori	
7,748,806	B2	7/2010	Egan	
7,878,344	B2	2/2011	Martin et al.	
7,976,113	B2	7/2011	Gwak	
D649,985	S *	12/2011	Jeon	D15/89
D656,970	S	4/2012	Merritt	
8,172,347	B2	5/2012	Lim et al.	
8,182,056	B2	5/2012	Gossens et al.	
D661,325	S *	6/2012	Yang	D15/89
8,240,512	B2	8/2012	Sunatori	
D669,506	S	10/2012	Czach et al.	
8,297,726	B2	10/2012	Ramm et al.	
8,336,976	B2	12/2012	Lee	
8,348,362	B2	1/2013	Candeo et al.	
8,359,881	B2	1/2013	Junge et al.	
D676,468	S *	2/2013	Lee	D15/89
8,381,949	B2	2/2013	Sunatori	
8,403,438	B2	3/2013	Park et al.	
8,414,095	B2	4/2013	Stewart	
8,444,239	B2	5/2013	Gossens et al.	
D692,034	S	10/2013	Seo et al.	
8,562,089	B2	10/2013	Collins et al.	
D694,288	S	11/2013	Hottmann et al.	
D694,289	S	11/2013	Hottmann et al.	
D694,292	S	11/2013	Eby et al.	
D695,796	S *	12/2013	Lee	D15/89
8,616,665	B2	12/2013	Czach et al.	
8,640,482	B2	2/2014	Lim et al.	
8,726,689	B2	5/2014	Jang et al.	
8,733,862	B1	5/2014	Armstrong et al.	
D707,267	S *	6/2014	Choi	D15/89
8,739,568	B2	6/2014	Allard et al.	
D709,927	S	7/2014	Park et al.	
8,777,341	B2	7/2014	Amaral et al.	
D710,404	S *	8/2014	Park	D15/89
D710,405	S	8/2014	Seo et al.	
D710,406	S *	8/2014	Seo	D15/89
D711,943	S	8/2014	Park et al.	
8,833,882	B2	9/2014	Seo et al.	
D714,840	S	10/2014	Yang et al.	
D716,850	S *	11/2014	Seo	D15/89
D717,349	S	11/2014	Seo et al.	
D719,986	S	12/2014	Kim et al.	
8,960,826	B2	2/2015	Choo et al.	
D724,118	S *	3/2015	Kim	D15/89
9,033,437	B2	5/2015	Klitzing et al.	
D733,770	S *	7/2015	Park	D15/89
D734,784	S	7/2015	Kim et al.	
9,097,457	B2	8/2015	Kim	
9,103,582	B2	8/2015	Nash et al.	
9,127,878	B2	9/2015	Gossens et al.	
9,151,534	B2	10/2015	Lee et al.	
D745,068	S *	12/2015	Jeon	D15/89
D745,581	S *	12/2015	Jeon	D15/89
9,217,601	B2	12/2015	Koo et al.	
D747,369	S	1/2016	McConnell et al.	
D747,370	S	1/2016	Kim et al.	
D747,371	S	1/2016	Lee et al.	
D747,372	S	1/2016	Kim et al.	
D747,373	S *	1/2016	Lee	D15/89
D748,165	S	1/2016	McConnell et al.	
9,234,690	B2	1/2016	McCollugh et al.	
9,250,010	B2	2/2016	De La Garza et al.	
9,297,573	B2	3/2016	Krause et al.	
D753,197	S *	4/2016	Lee	D15/89
D754,218	S *	4/2016	Jeon	D15/89
D754,759	S	4/2016	McConnell et al.	
9,320,368	B2	4/2016	Marotti et al.	
D756,551	S	5/2016	Handt et al.	
9,328,955	B2	5/2016	Castro Solis et al.	
9,339,993	B2	5/2016	Cites et al.	
9,345,326	B2	5/2016	Sankhgond et al.	
D759,734	S *	6/2016	Lee	D15/89
D761,884	S	7/2016	Austin et al.	
D766,345	S *	9/2016	Lee	D15/89
9,488,405	B2	11/2016	Lee et al.	
9,500,403	B2	11/2016	Seo et al.	

9,510,679	B2	12/2016	Bhatt et al.
9,671,115	B2	6/2017	Elkasevic
9,823,013	B1	11/2017	Caglin et al.
9,945,601	B1	4/2018	Bhavsar et al.
2003/0020387	A1	1/2003	Wing et al.
2004/0012314	A1	1/2004	Hay et al.
2004/0104323	A1	6/2004	Hubert et al.
2005/0073225	A1	4/2005	Kwon et al.
2006/0145577	A1	7/2006	Daley et al.
2006/0226751	A1	10/2006	Park
2007/0126325	A1	6/2007	Gorz et al.
2008/0203041	A1	8/2008	Lim et al.
2010/0024464	A1	2/2010	Hwang et al.
2010/0102693	A1	4/2010	Driver et al.
2010/0109498	A1	5/2010	Ramm et al.
2011/0001415	A1	1/2011	Park et al.
2011/0072846	A1	3/2011	Engel et al.
2011/0115356	A1	5/2011	Nash et al.
2012/0018434	A1	1/2012	Gwak
2012/0091084	A1	4/2012	Amaral et al.
2012/0223038	A1	9/2012	Bean
2012/0248958	A1	10/2012	Ertz et al.
2013/0020922	A1	1/2013	Jang
2015/0034668	A1	2/2015	Minard et al.
2015/0061484	A1	3/2015	Jeong et al.
2015/0107084	A1	4/2015	Craycraft et al.
2015/0168048	A1	6/2015	Sexton et al.
2015/0184929	A1	7/2015	Moon
2016/0290707	A1	10/2016	Burke et al.
2017/0086580	A1	3/2017	Conti
2017/0181538	A1	6/2017	Azkue et al.

FOREIGN PATENT DOCUMENTS

BR	PI0100491	B1	6/2009
BR	PI0805999	A2	6/2010
CN	101611281	A	12/2009
CN	201779952	U	3/2011
CN	102395849	A	3/2012
CN	102494496	A	6/2012
CN	202432813	U	9/2012
CN	102135363	B	12/2012
CN	102829604	A	12/2012
CN	102889744	A	1/2013
DE	3801508	U1	6/1989
DE	10107646	A1	8/2002
DE	102009045363	A1	4/2011
DE	102013216974	A1	4/2014
DE	102012223131	A1	6/2014
EP	577939	A1	1/1994
EP	1790250	A2	5/2007
EP	1349802	B1	8/2008
EP	2072937	A2	6/2009
EP	2098810	A2	9/2009
EP	2424421	B1	10/2015
EP	2926069	B1	10/2015
EP	2760315	B1	8/2016
JP	H10115485	A	5/1998
JP	H10122733	A	5/1998
JP	H11237173	A	8/1999
JP	2002090054	A	3/2002
KR	20030061668	A	7/2003
KR	20030061668	B1	7/2003
KR	1020030007247		8/2004
KR	20040095421	A	11/2004
KR	1020040095510		3/2006
KR	10756887	B1	9/2007
KR	20100023474	A	3/2010
KR	20140022598	A	2/2014
WO	02014761	A1	2/2002
WO	2004104504	A1	12/2004
WO	2005012812	A1	2/2005
WO	2007128734	A1	11/2007
WO	2008015180	A2	2/2008
WO	2009155679	A2	12/2009
WO	2011009773	A2	1/2011
WO	2011080109	A2	7/2011
WO	2012025382	A2	3/2012
WO	2012062670	A2	5/2012

WO	2013126515	A1	8/2013
WO	2015101430	A1	7/2015
WO	2015101434	A1	7/2015
WO	2015149832	A1	10/2015
WO	2015165531	A1	11/2015
WO	2016155784	A1	10/2016
WO	2017005314	A1	1/2017

OTHER PUBLICATIONS

“Refrigerator Capacity & Organization: Making Room for More,” GE Appliances, website, date unknown, <http://www.geappliances.ca/en/shopping-guides-and-design-ideas/shopping-guides/refrigerators/make-room-for-more-in-the-refrigerator>.

“GE Profile Side by Side Refrigerators”, Abt, website, date unknown, http://www.abt.com/ge/GE_Profile_SidebySide.

* cited by examiner

Primary Examiner — Khawaja Anwar

(74) *Attorney, Agent, or Firm* — Price Heneveld LLP

(57) CLAIM

The ornamental design for a refrigerator shelf, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a refrigerator shelf according to a first embodiment of our design in a first configuration thereof shown in place within an unclaimed refrigerator, a second embodiment of the design in a first configuration being a mirror-image of the first embodiment in the first configuration, and back, right side, left side, top and bottom views showing no claimed portion of the design when in place within the unclaimed refrigerator;

FIG. 2 is a front-perspective view of the refrigerator shelf of FIG. 1 with portions of the unclaimed refrigerator removed;

FIG. 3 is a top view thereof;

FIG. 4 is a bottom view thereof;

FIG. 5 is a front elevation view thereof;

FIG. 6 is a back elevation view thereof;

FIG. 7 is a left side view thereof;

FIG. 8 is a right side view thereof;

FIG. 9 is a front perspective view of a refrigerator shelf according to the first embodiment of our design in a second configuration thereof shown in place within an unclaimed refrigerator, a second embodiment of the design in a second configuration being a mirror-image of the first embodiment in the second configuration, and back, right side, left side, top and bottom views of the design showing no claimed portion of the design when in place within the unclaimed refrigerator;

FIG. 10 is a front-perspective view of the refrigerator shelf of FIG. 9 with portions of the unclaimed refrigerator removed;

FIG. 11 is a top view thereof;

FIG. 12 is a bottom view thereof;

FIG. 13 is a front elevation view thereof;

FIG. 14 is a back elevation view thereof;

FIG. 15 is a left side view thereof; and,

FIG. 16 is a right side view thereof.

Broken lines are environmental only and form no part of the claimed design. Additionally, broken lines between shaded and un-shaded areas represent bounds of the claimed design. Dash-dot lines indicate additional boundaries of the claimed design and form no part of the claimed design.

The diagonal shading indicates transparency.

1 Claim, 10 Drawing Sheets

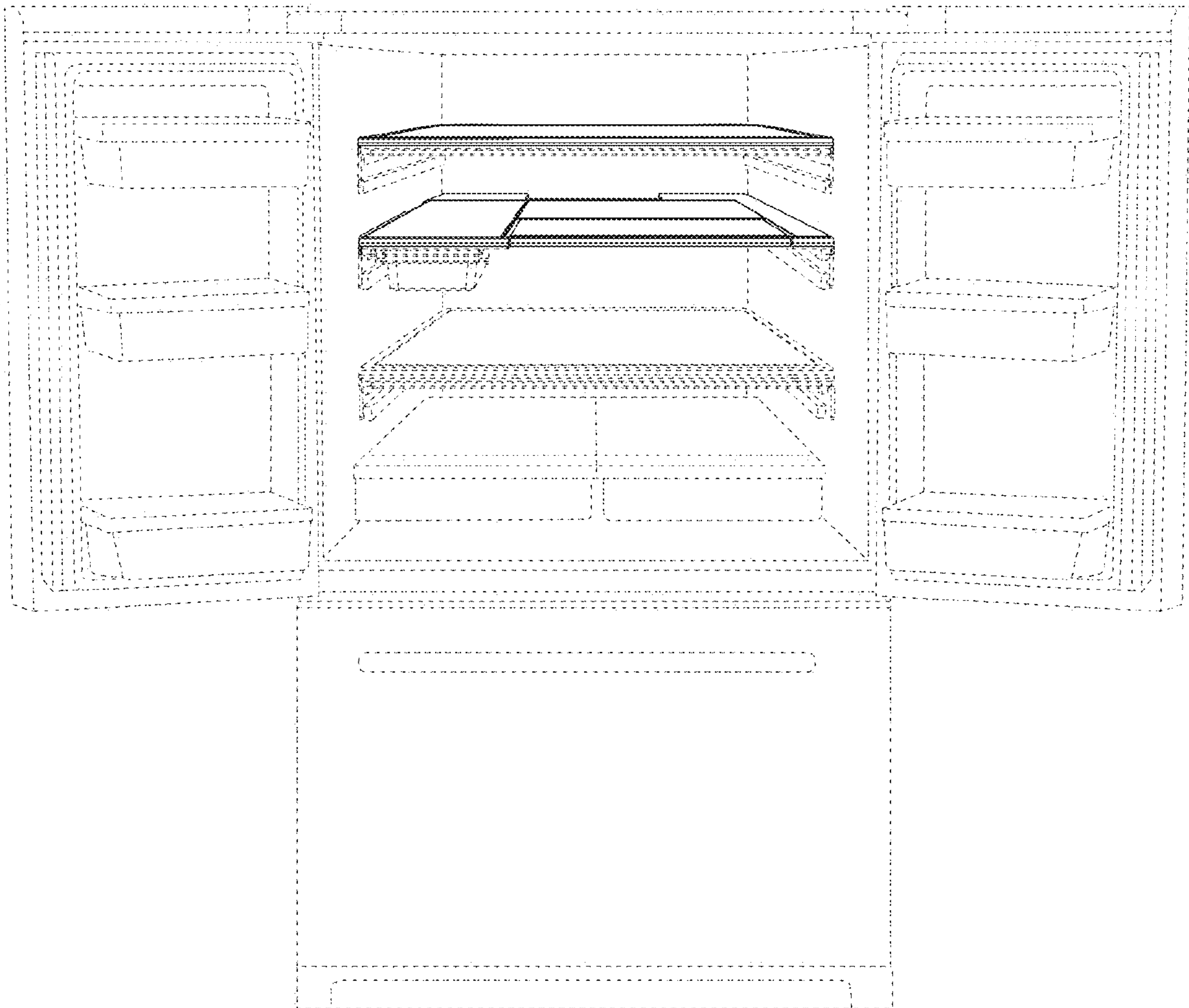


FIG. 1

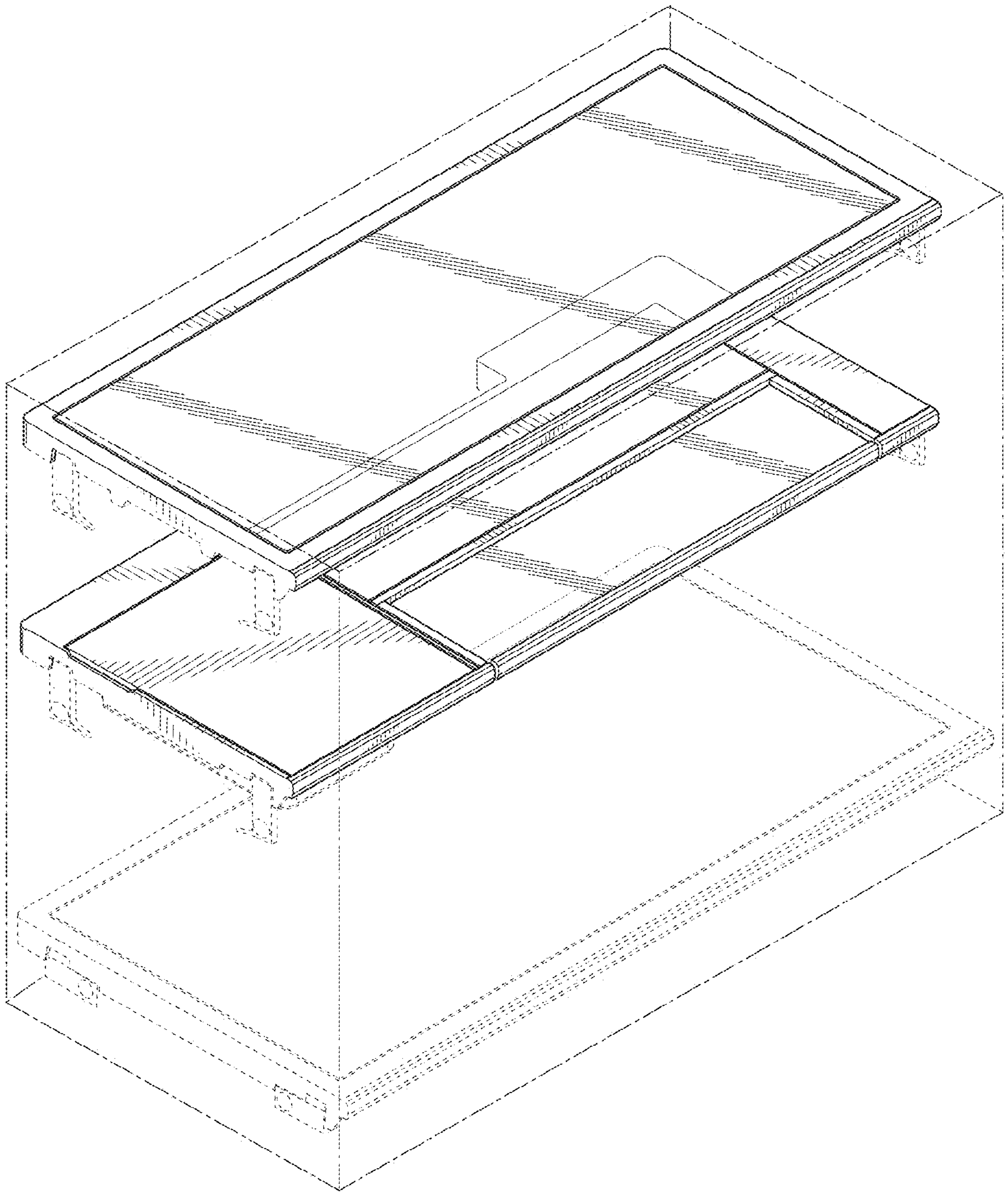


FIG. 2

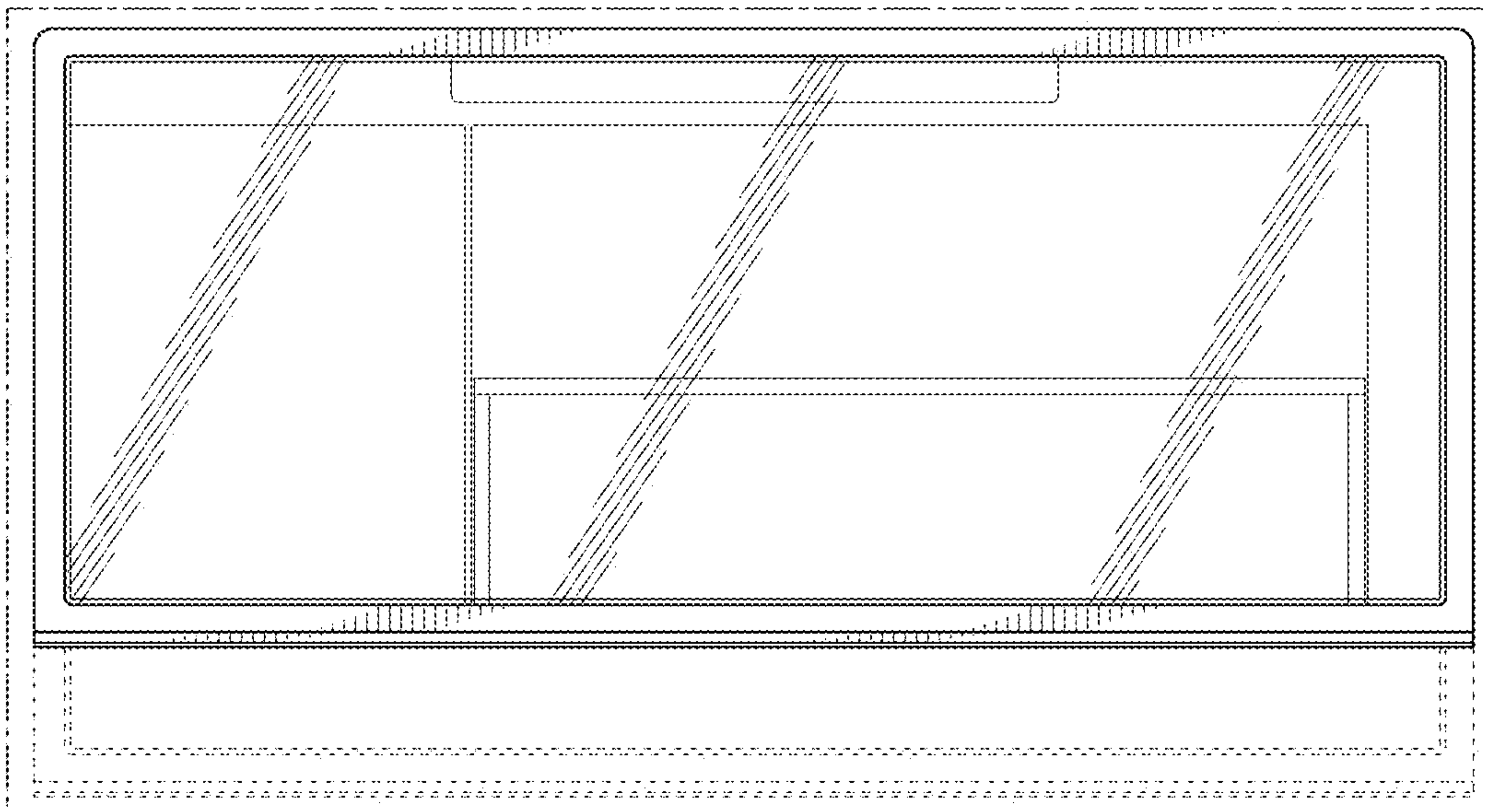


FIG. 3



FIG. 4

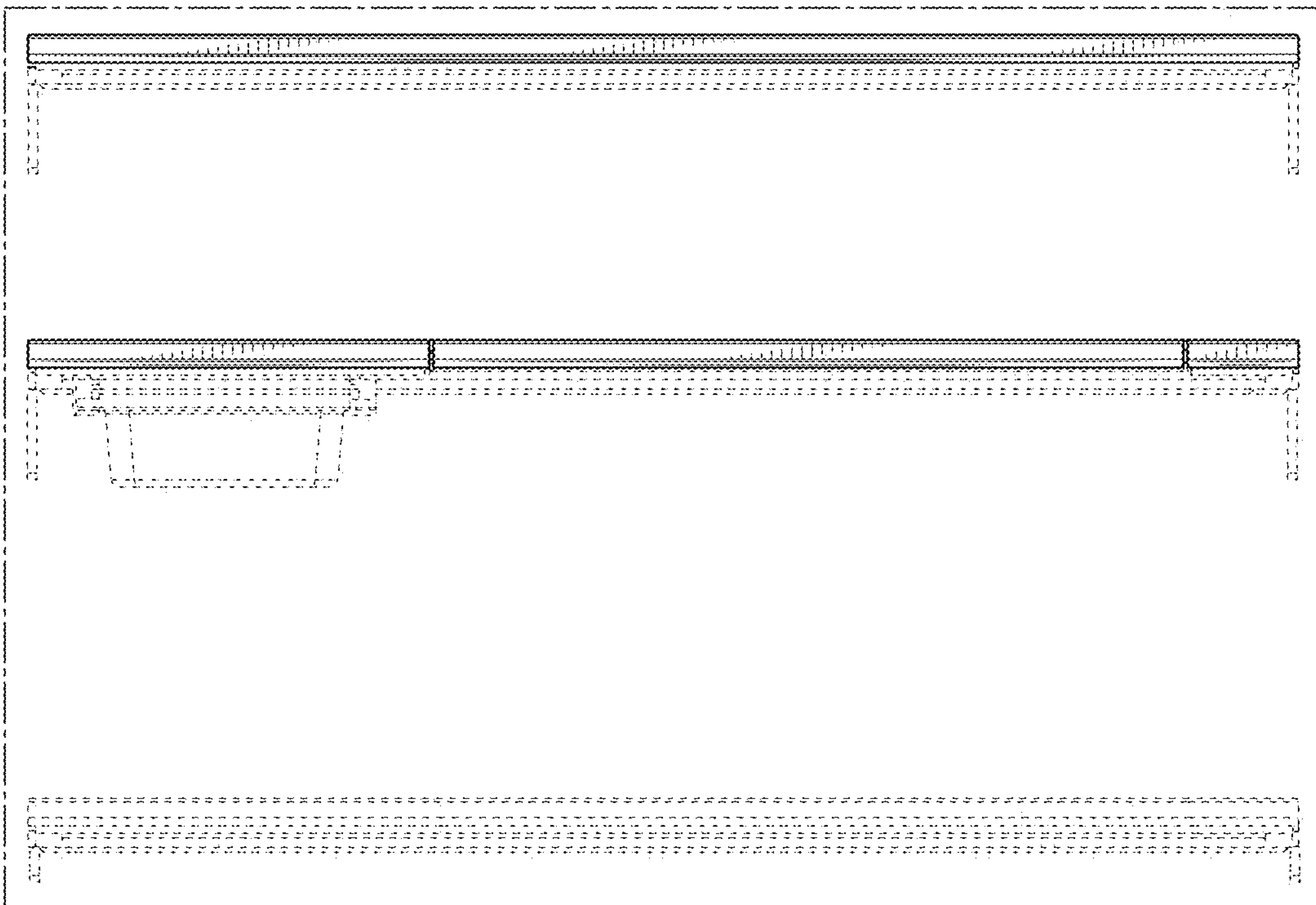


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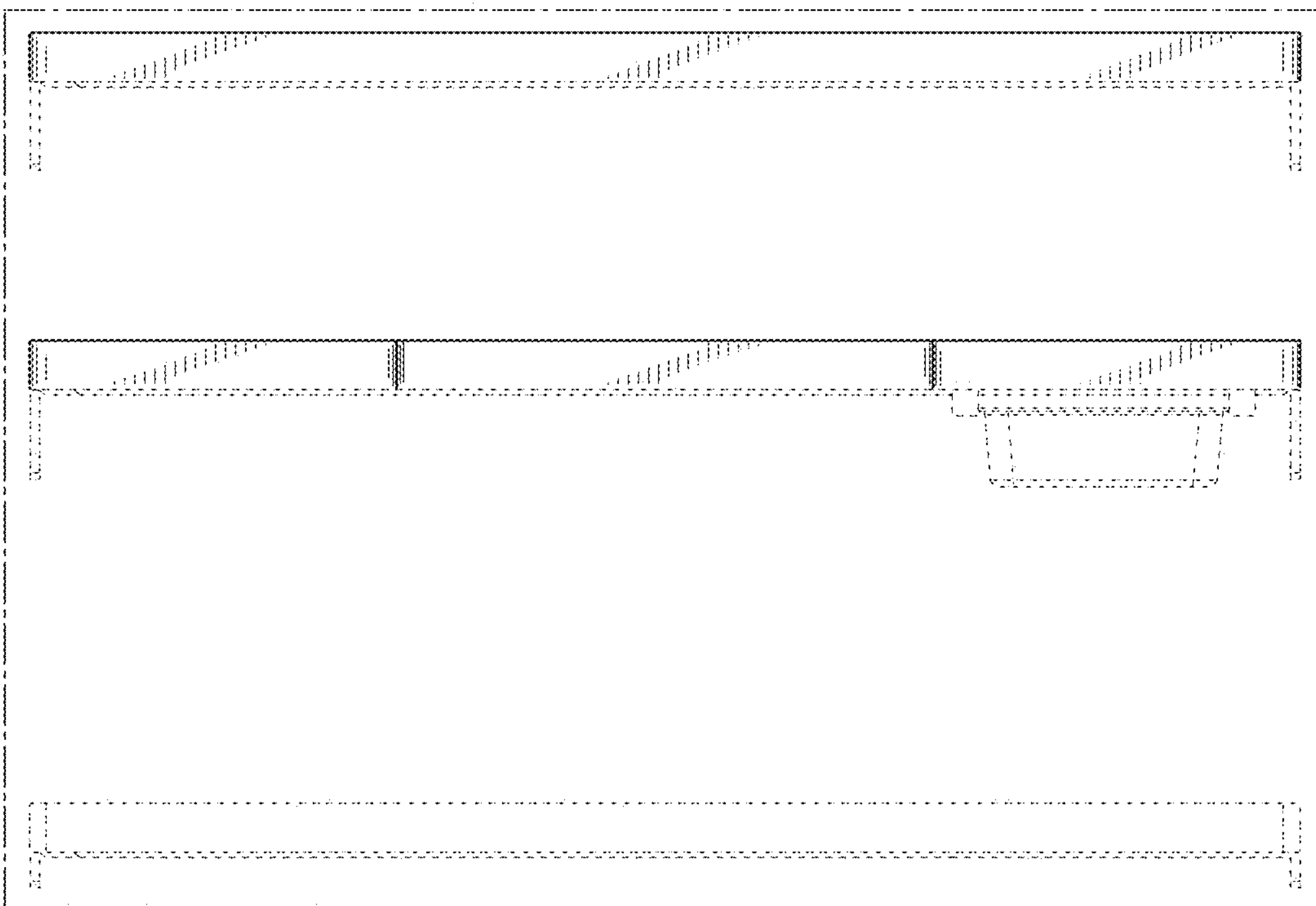


FIG. 6

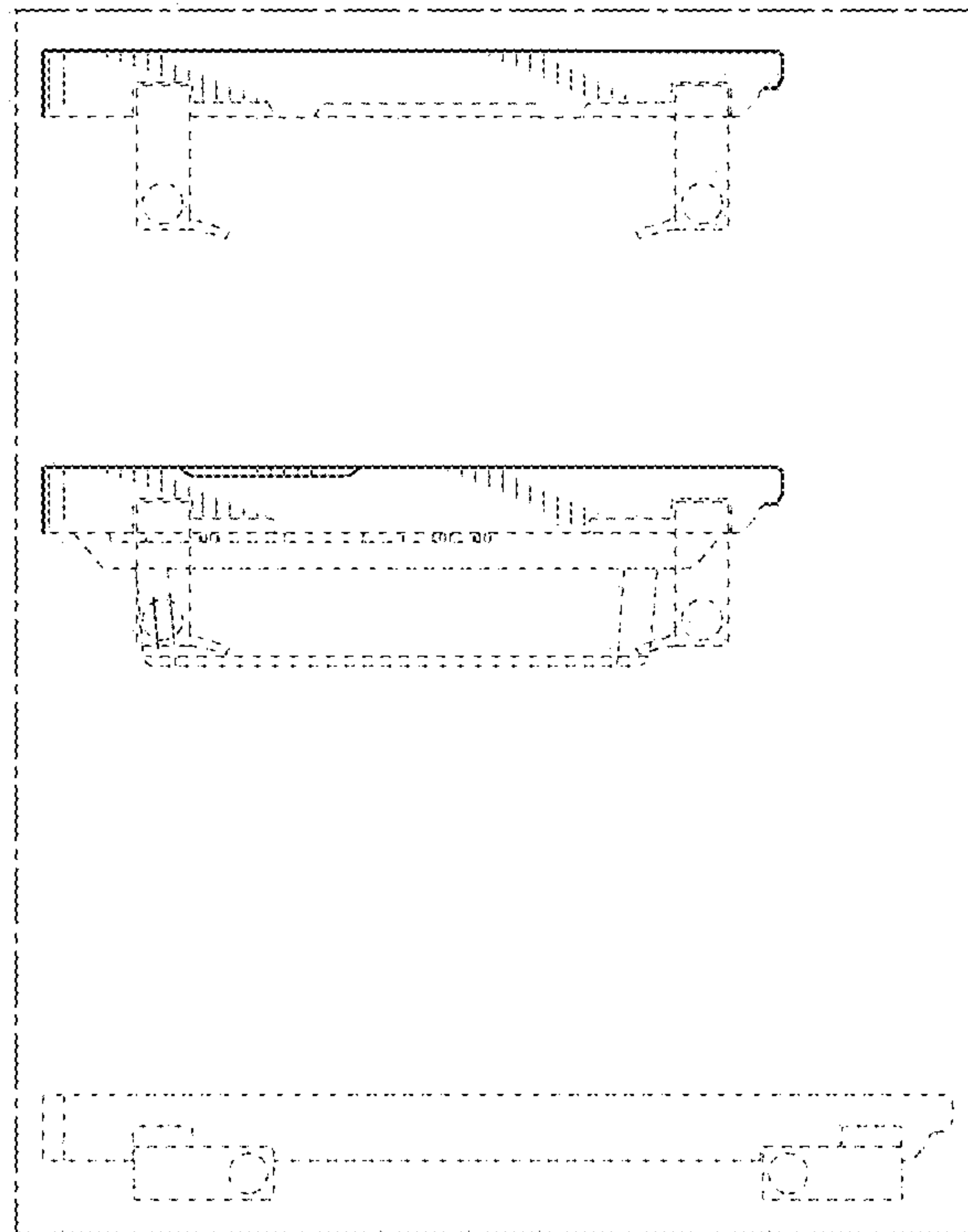


FIG. 7

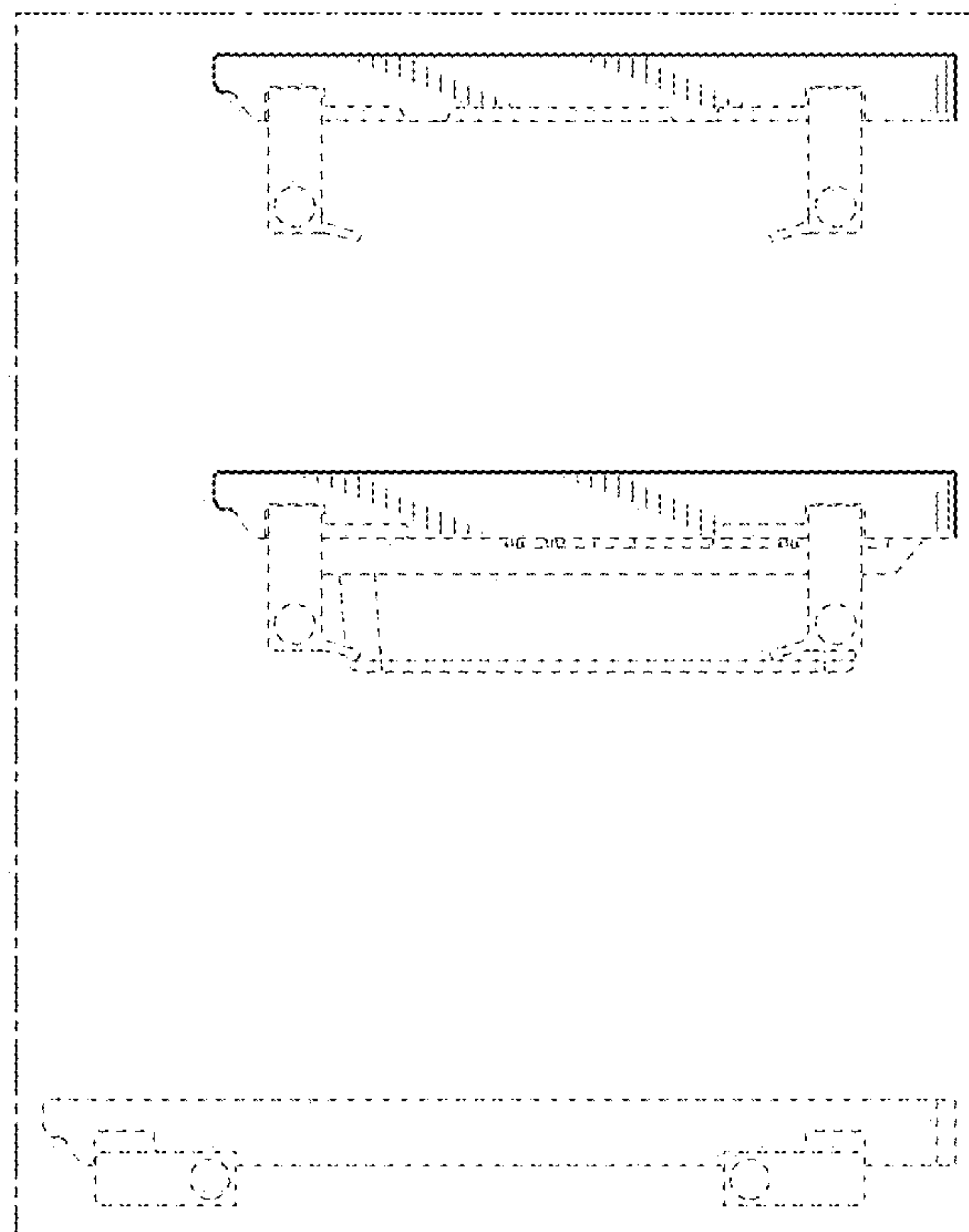


FIG. 8

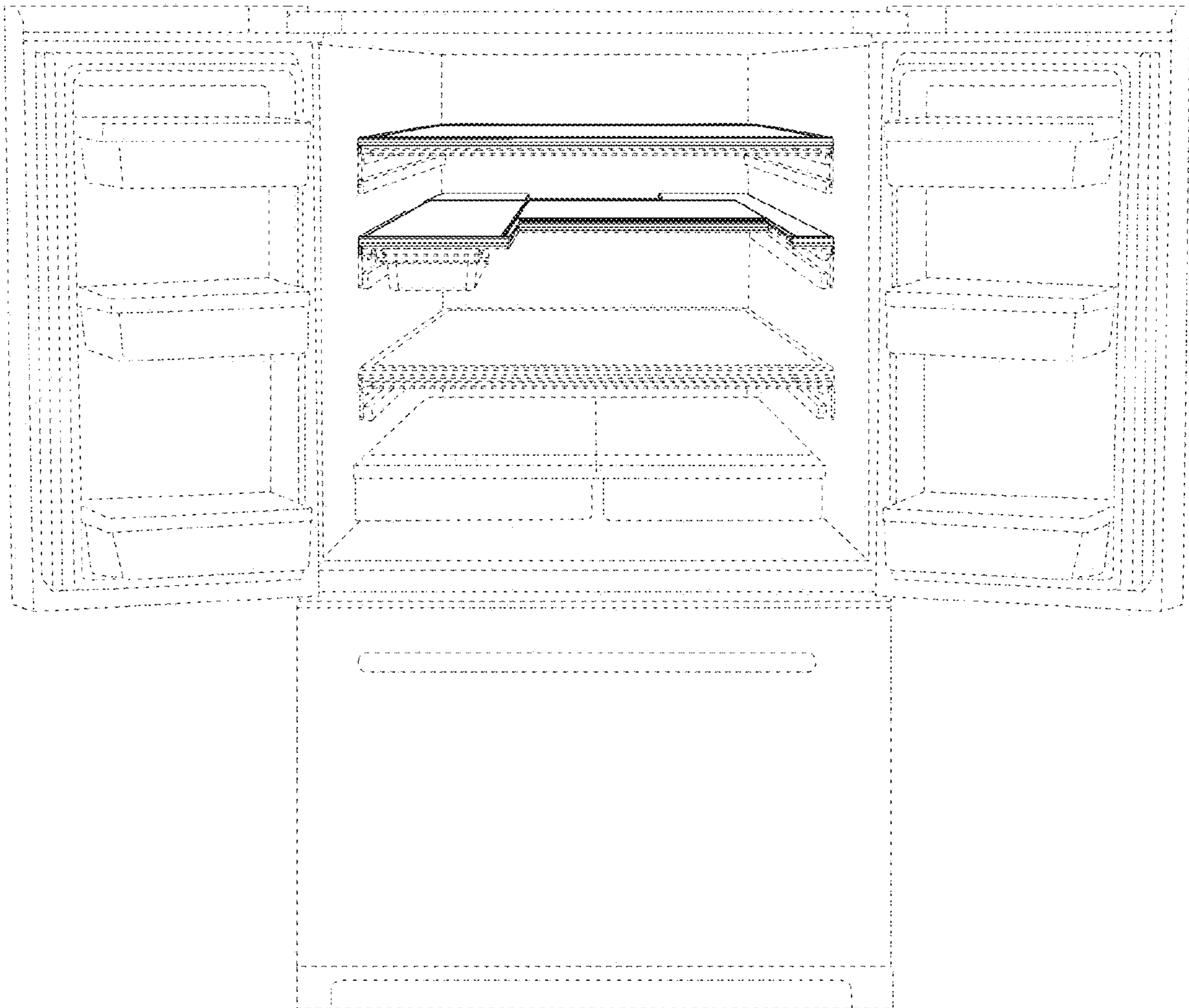


FIG. 9

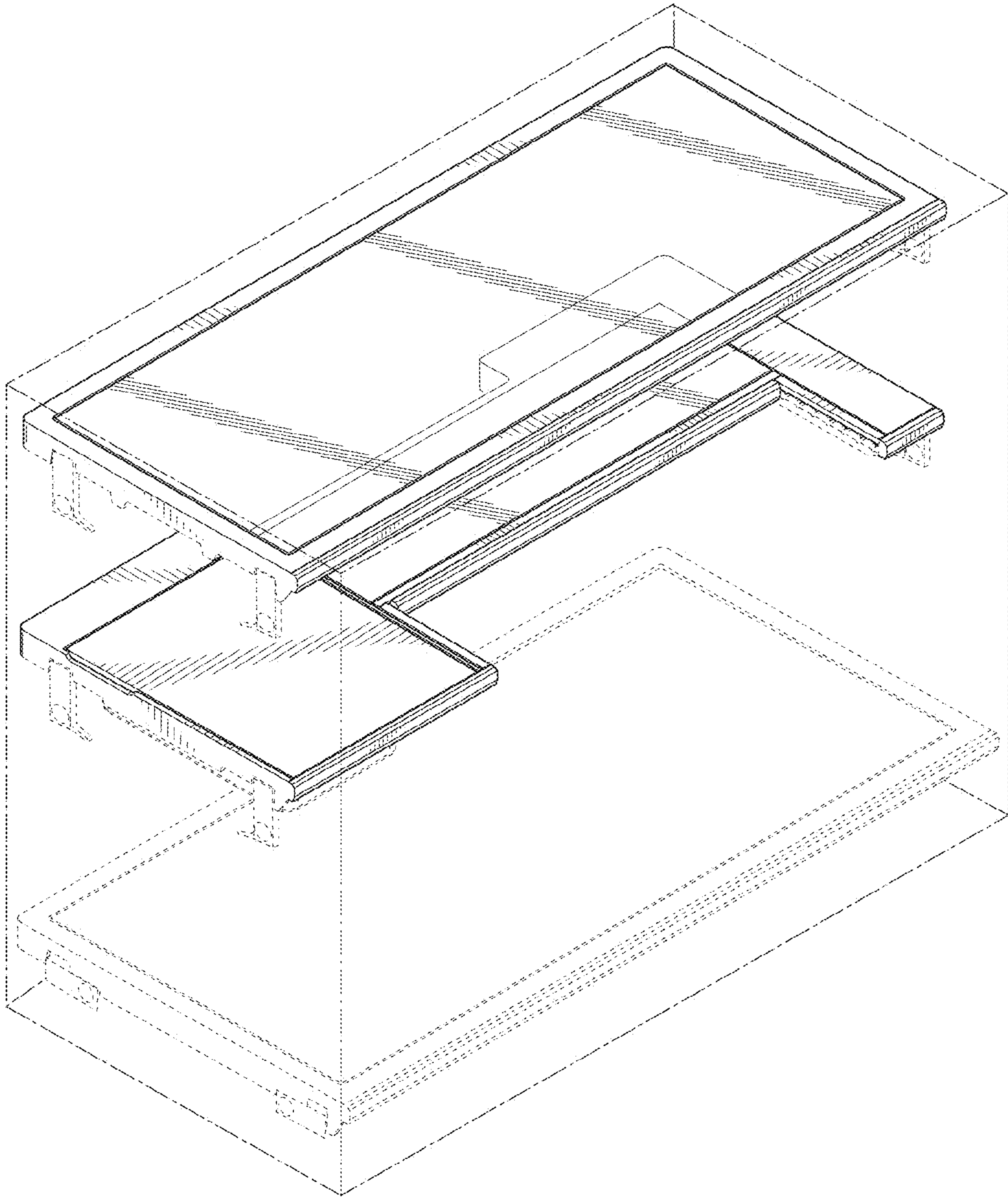


FIG. 10

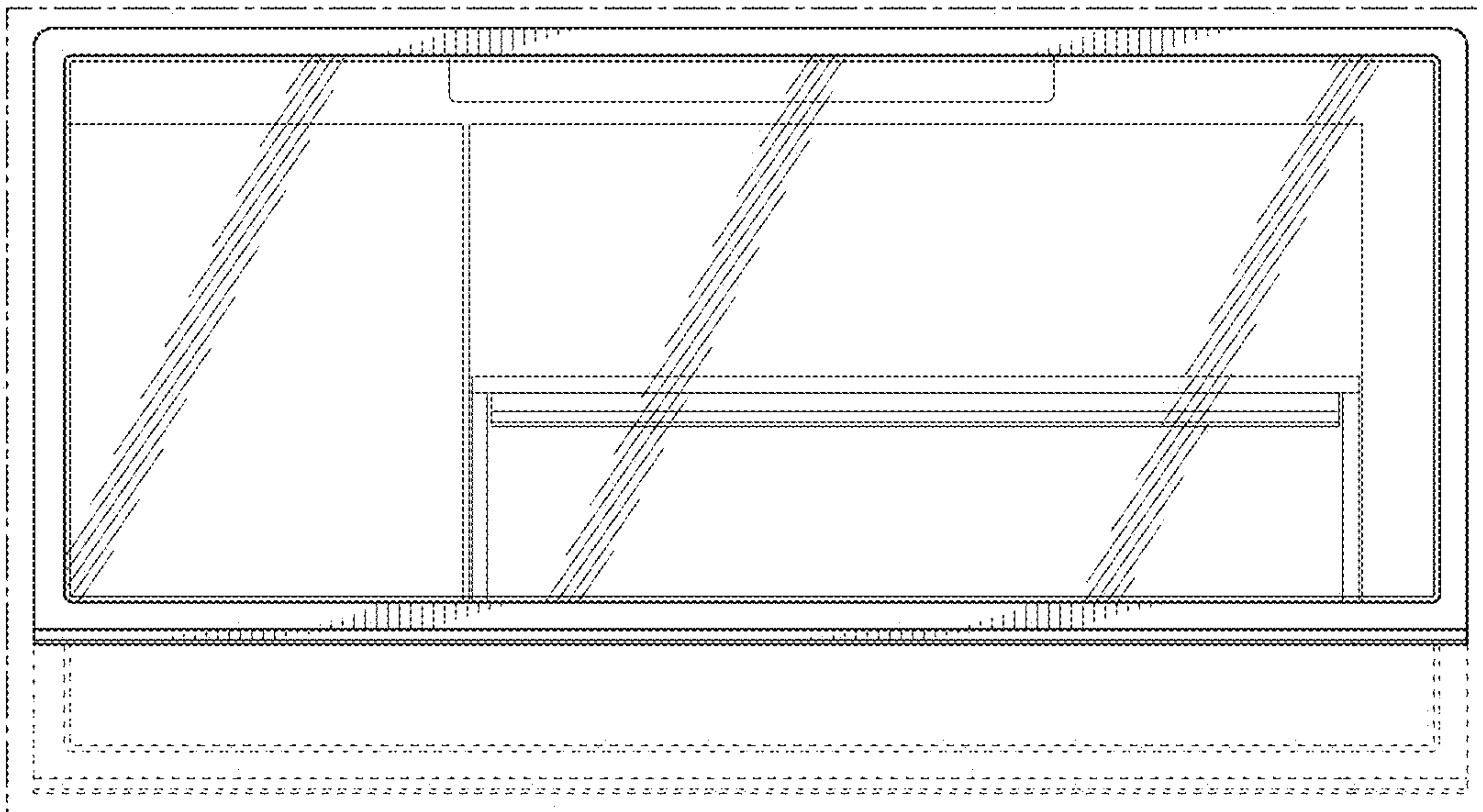


FIG. 11



FIG. 12

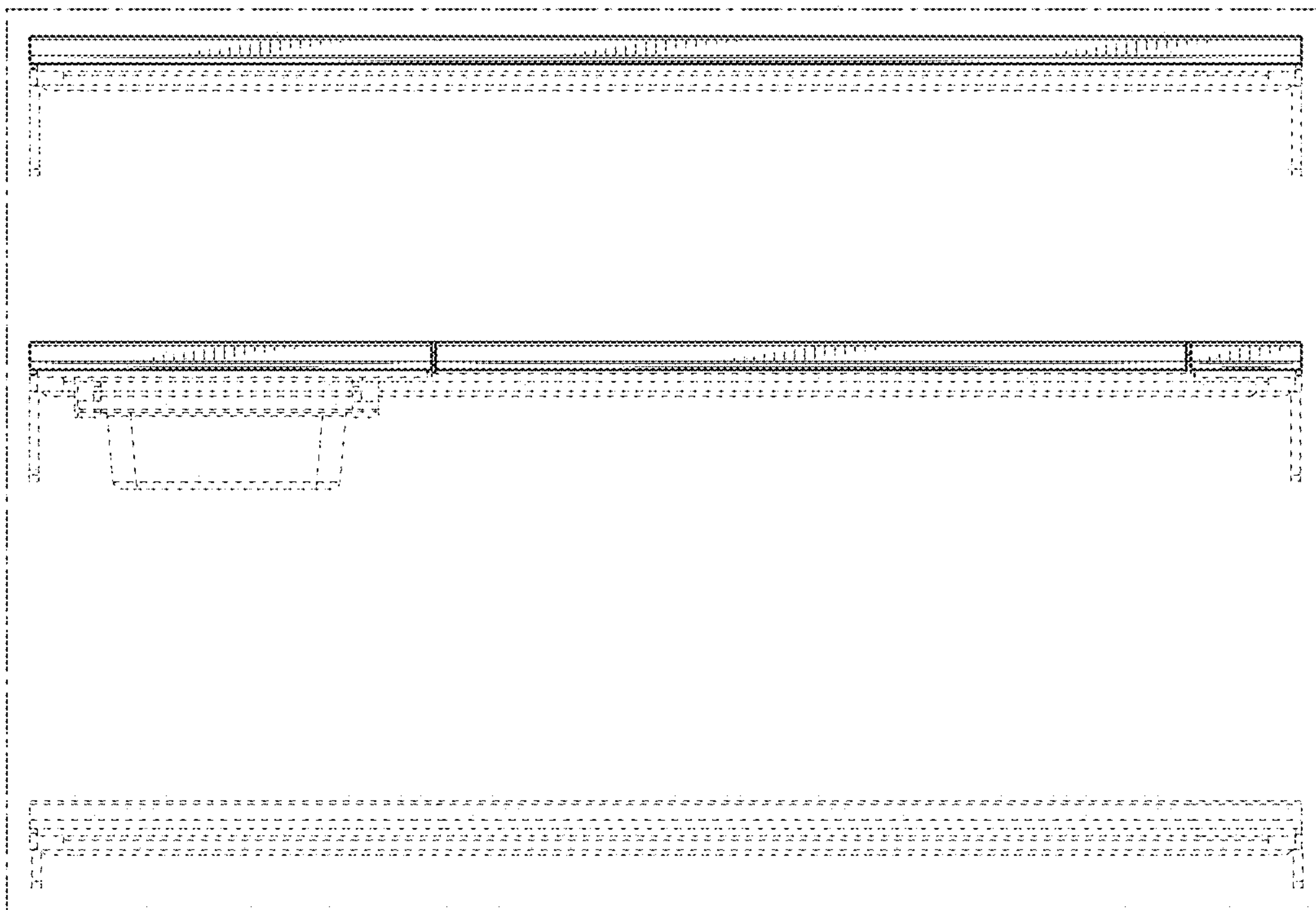


FIG. 13

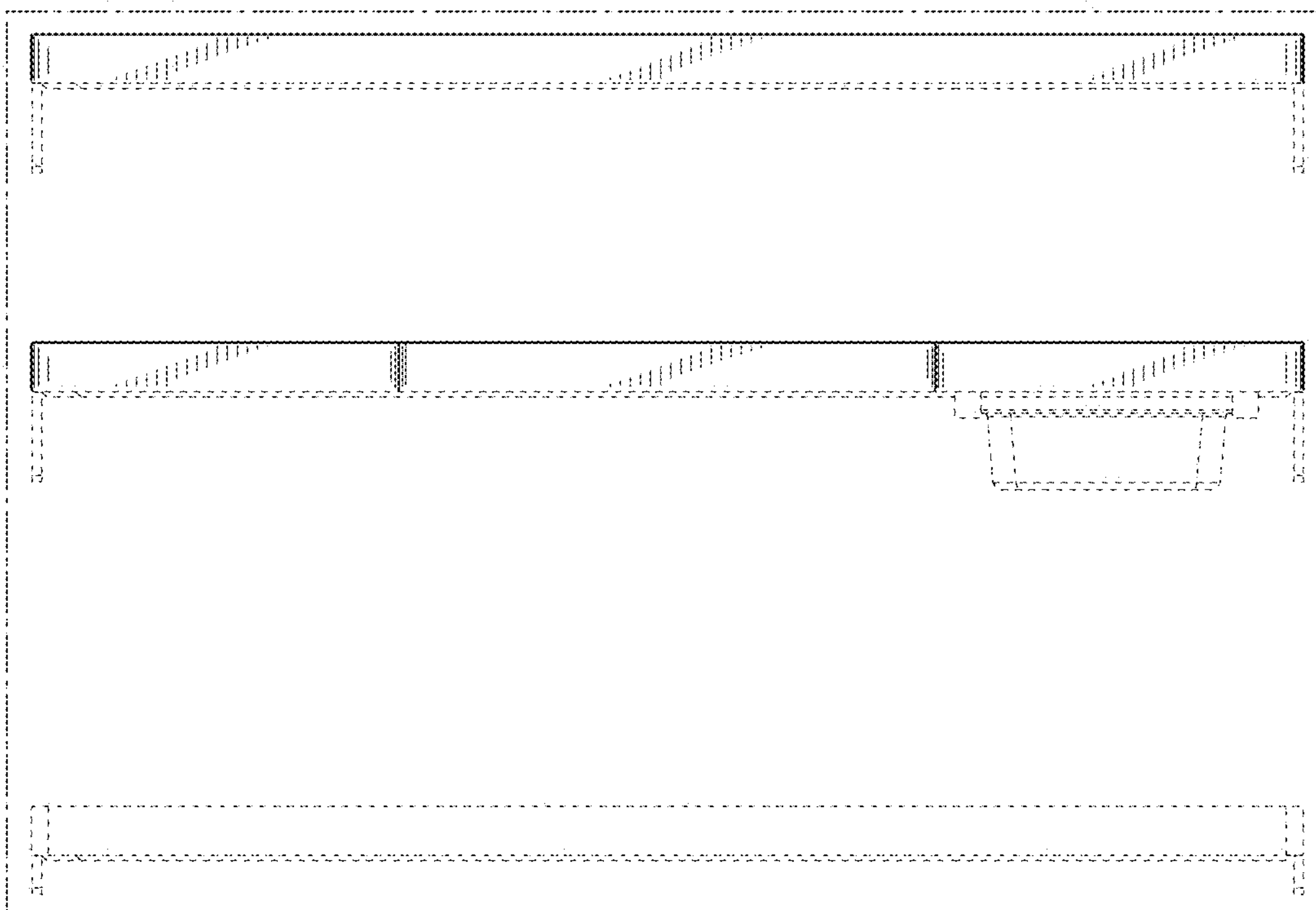


FIG. 14

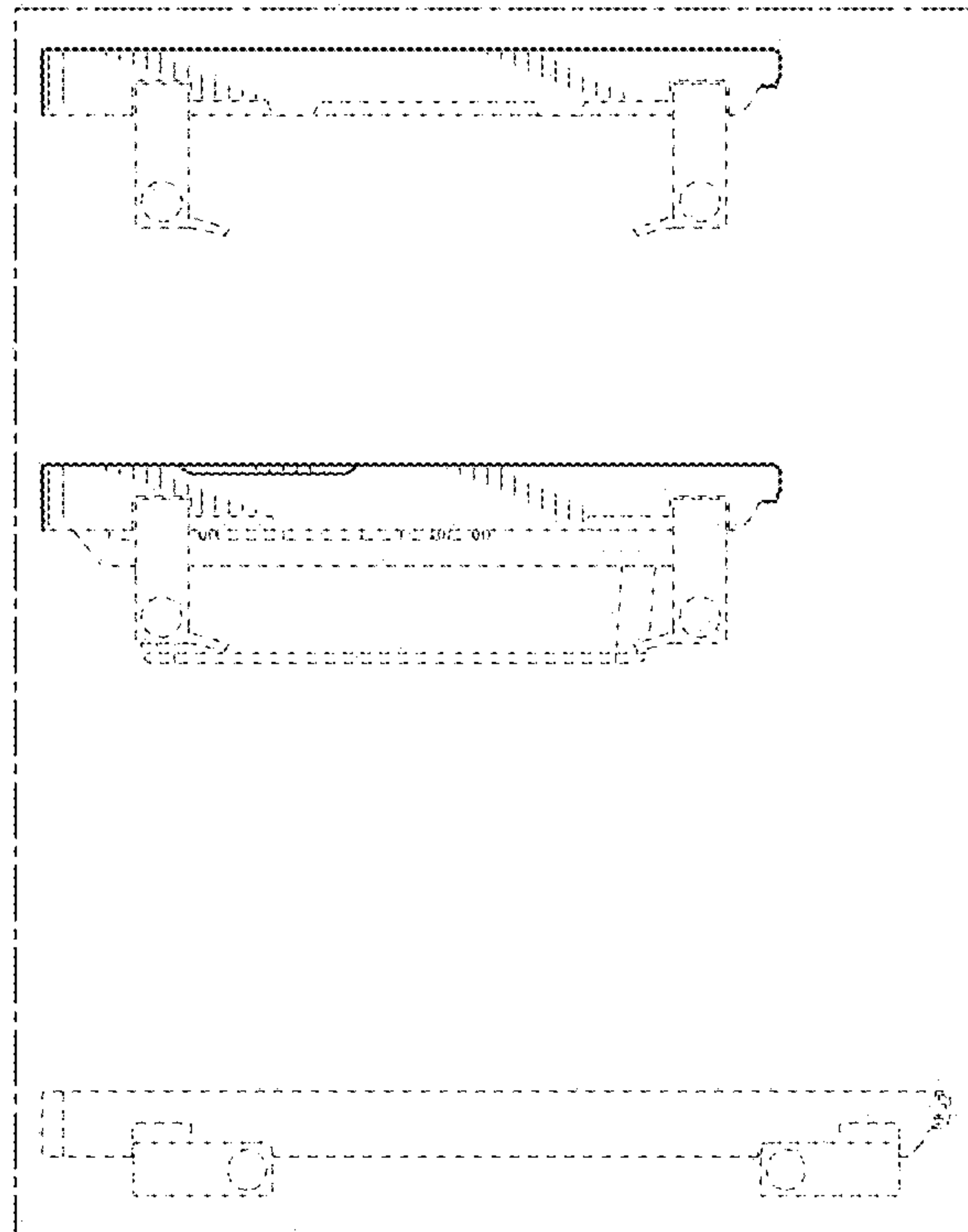


FIG. 15

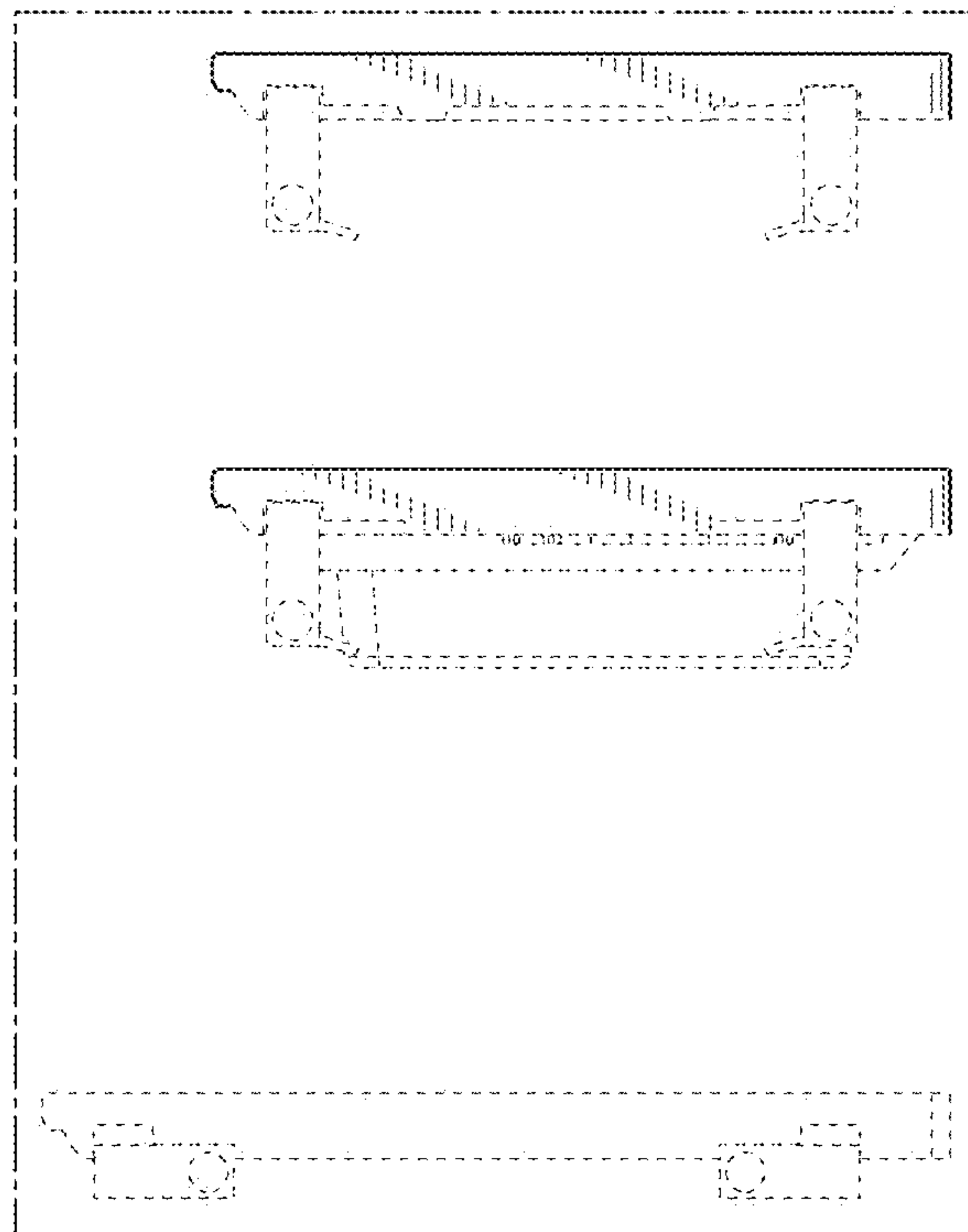


FIG. 16