

US00D612662S

(12) United States Design Patent

Lorenz et al.

(10) Patent No.:

US D612,662 S

(45) **Date of Patent:** ** Mar. 30, 2010

STOVE (54)

Inventors: **Nathan Lorenz**, Fort Collins, CO (US); Jesse Walker, Fort Collins, CO (US);

Eric Listenberger, Moorestown, NJ (US); Clark Mozer, Fort Collins, CO

(US)

EnviroFit International, Ltd., Fort (73)

Collins, CO (US)

14 Years Term:

Appl. No.: 29/335,240

Apr. 10, 2009 (22)Filed:

(51)	LOC (9) Cl	07-02
(52)	U.S. Cl	D7/33
(58)	Field of Classification Search	D7/402

D7/403, 407, 409, 362–367; 126/40, 43, 126/44, 50, 9 R, 25 A, 41 R; 99/445, 448, 99/450, 372; 219/450.1, 524, 520, 478, 451.1 See application file for complete search history.

(56)**References Cited**

U.S. PATENT DOCUMENTS

D196,018 S	5	*	8/1963	Palmer et al D7/337
D214,297 S	5	*	5/1969	Ihde
D229,277 S	5	*	11/1973	Ming-Kong D7/337
3,877,458 A	4	*	4/1975	Allander 126/44
D235,959 S	3	*	7/1975	Allander D7/337
D244,664 S	5	*	6/1977	Monnet D7/337
D244,985 S	3	*	7/1977	Folke
D249,448 S	3	*	9/1978	Vache
D254,165 S	3	*	2/1980	Woodward D7/337
D261,347 S	3	*	10/1981	Lutz D7/337
5,197,454 A	4	*	3/1993	Lee 126/9 R
D350,256 S	3	*	9/1994	Wang
D355,809 S	5	*	2/1995	Kothrade D7/337
D371,716 S	3	*	7/1996	Jo D7/337

OTHER PUBLICATIONS

U.S. Appl. No. 29/335,241, filed Apr. 10, 2009, Lorenz et al.

(Continued)

Primary Examiner—Ruth McInroy

(74) Attorney, Agent, or Firm—Dorsey & Whitney LLP

(57)**CLAIM**

The ornamental design for a stove, as shown and described.

DESCRIPTION

Related subject matter is disclosed in 29/335,241, entitled "Dual Burner," the entire contents of said design application being incorporated herein by reference.

FIG. 1 is a front isometric view of a stove showing our new design;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a right side elevation view thereof;

FIG. 5 is a left side elevation view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof;

FIG. 8 is a front isometric view showing the claim attached to a stove system, the stove system shown in broken lines forms no part of the claimed design;

FIG. 9 is a front elevation view of FIG. 8;

FIG. 10 is a rear elevation view of FIG. 8;

FIG. 11 is a right side elevation view of FIG. 8;

FIG. 12 is a left side elevation view of FIG. 8;

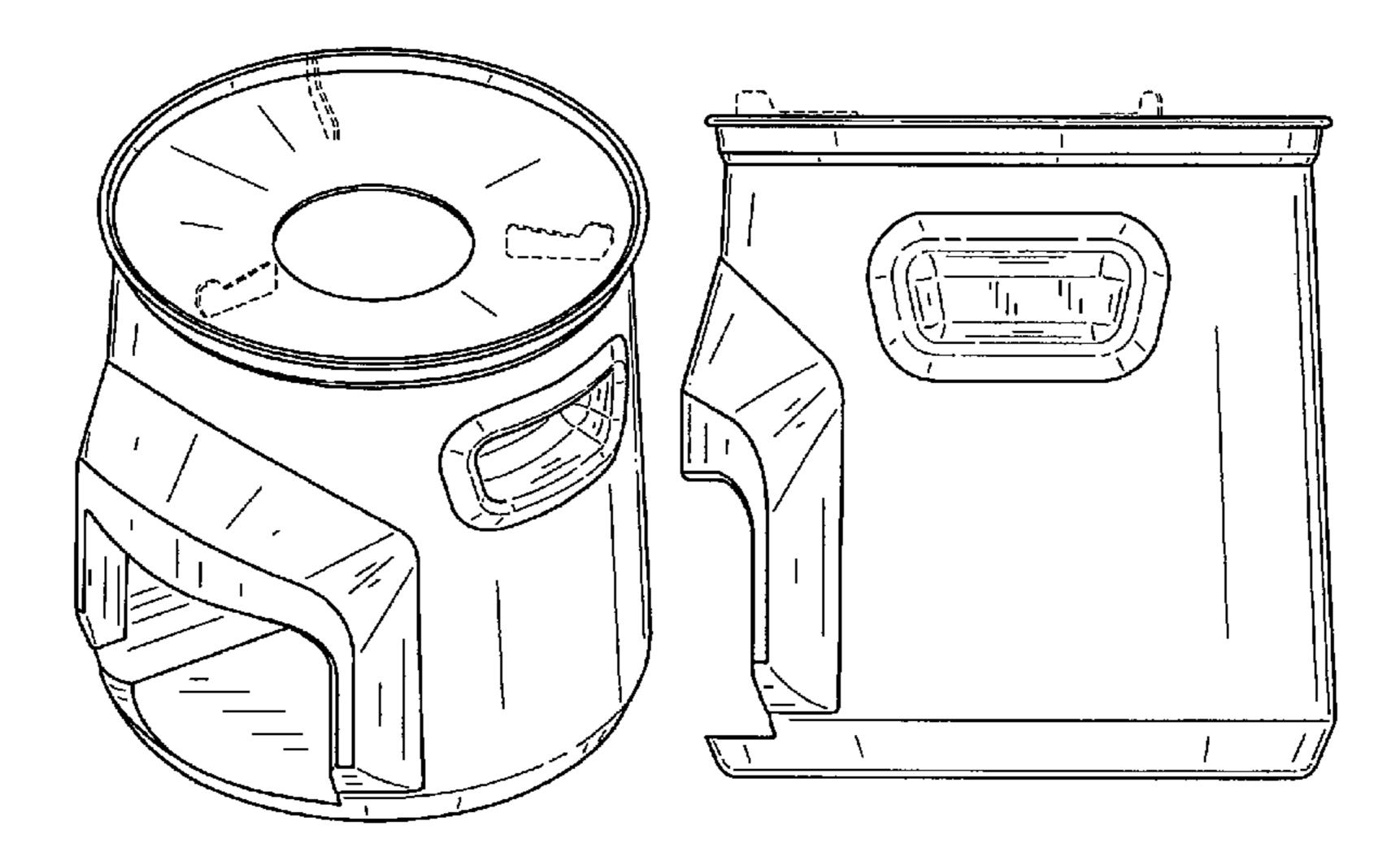
FIG. 13 is a top plan view of FIG. 8; and,

FIG. 14 is a bottom plan view of FIG. 8.

The details shown in broken lines form no part of the claimed design. FIGS. 8–14 are provided to show the claim in use with a stove system.

(Continued)

1 Claim, 10 Drawing Sheets



U.S. PATENT DOCUMENTS

5,881,7	09	A	*	3/1999	Daoust
D424,3	64	S	*	5/2000	Persson
6,138,6	61	A	*	10/2000	Cooper 126/25 R
D435,1	91	S	*	12/2000	Cooper D7/337
D444,9	91	S	*	7/2001	Measom D7/337
D445,2	96	\mathbf{S}	*	7/2001	Kenyon et al D7/332
D447,6	64	S	*	9/2001	Stephens et al
D478,7	71	\mathbf{S}	*	8/2003	Wu D7/337
D488,0	23	S	*	4/2004	Siegel et al
D491,4	09	\mathbf{S}	*	6/2004	Siegel et al
D512,2	64	S	*	12/2005	May et al
2007/00341	98	A1	*	2/2007	Arad 126/9 R
2008/01689	79	A 1	*	7/2008	Goehring et al 126/25 R

OTHER PUBLICATIONS

Oorja (BP), "BioEnergy Lists: Biomass Cooking Stoves", located at http://www.bioenergylists.org/taxonomy/term1339, retrieved at least as early as Mar. 2009, 3 pages.

Managala Stove, Gen. I, EnviroFit International, Ltd., Nov. 2007, 1 page.

Managala Stove Double, Gen. I, EnviroFit International, Ltd., Nov. 2007, 1 page.

"EnviroFit Clean Cookstoves", Stove and Stove Double, Gen. II, Catalog, EnviroFit International, Ltd., at least as early as May 2008, 18 pages.

Still, "Larry Winiarski's Rocket Stove Principles", located at http://www.bioenergylists.orq/stovesdoc/Still/Rocket%20Stove/Principles.html, Apr. 2002, 3 pages.

Wikipedia, "Rocket Stove", located at http://en.wikipedia.org/wiki/Rocket_stove, retrieved at least as early as Mar. 11, 2009, 4 pages.

Koninklijke Philips Electronics N.V., "Philips Woodstove", located at http://research.philips.com/newscenter/pictures/downloads/misc-sustainability, retrieved at least as early as Mar. 12, 2009, 1 page. Hedon Household Energy Network, "Insulative Ceramics For Improved Cooking Stoves by Dean Still et al.", located at http://www.hedon.info/InsulativeCeramicsForImprovedCookingStoves, retrieved at least as early as Mar. 12, 2009, 7 pages.

Anderson, Paul S., "The Origins of the Juntos Gasifier Stoves: Short Version", Dept. of Geography-Geology, Illinois State Univ., Sep. 2002, 1 page.

Koninklijke Philips Electronics N.V., photographs of Cook Stove, obtained at least as early as Mar. 5, 2009, 5 pages.

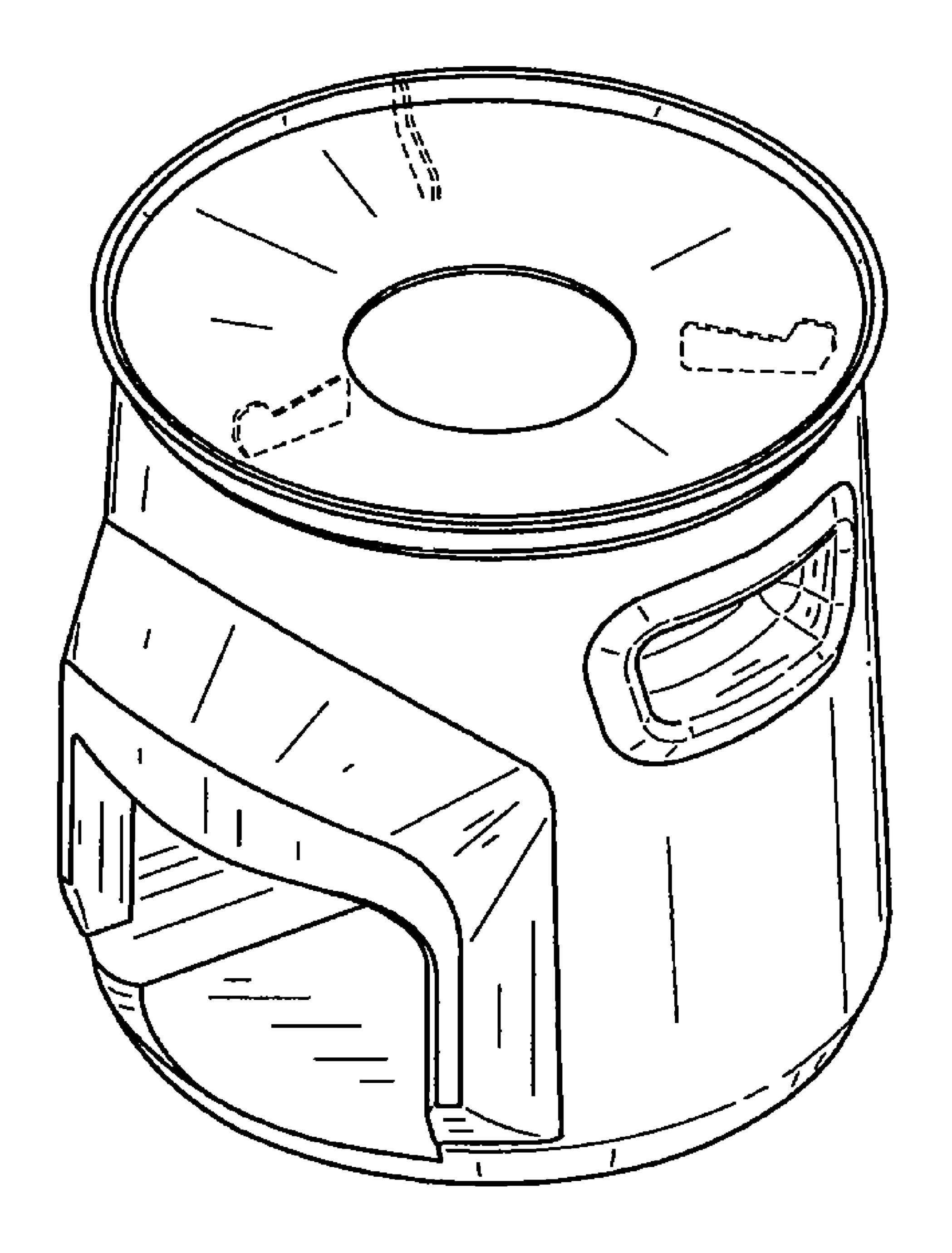
British Petroleum p.l.c., photographs of Cook Stove, obtained at least as early as Mar. 5, 2009, 5 pages.

Reed et al., "The 'Turbo' Wood-Gas Stove", located at http://www.bioenergylists.org/stovesdoc/Reed/Turbo2.htm, retrieved at least as early as Mar. 10, 2009, 5 pages.

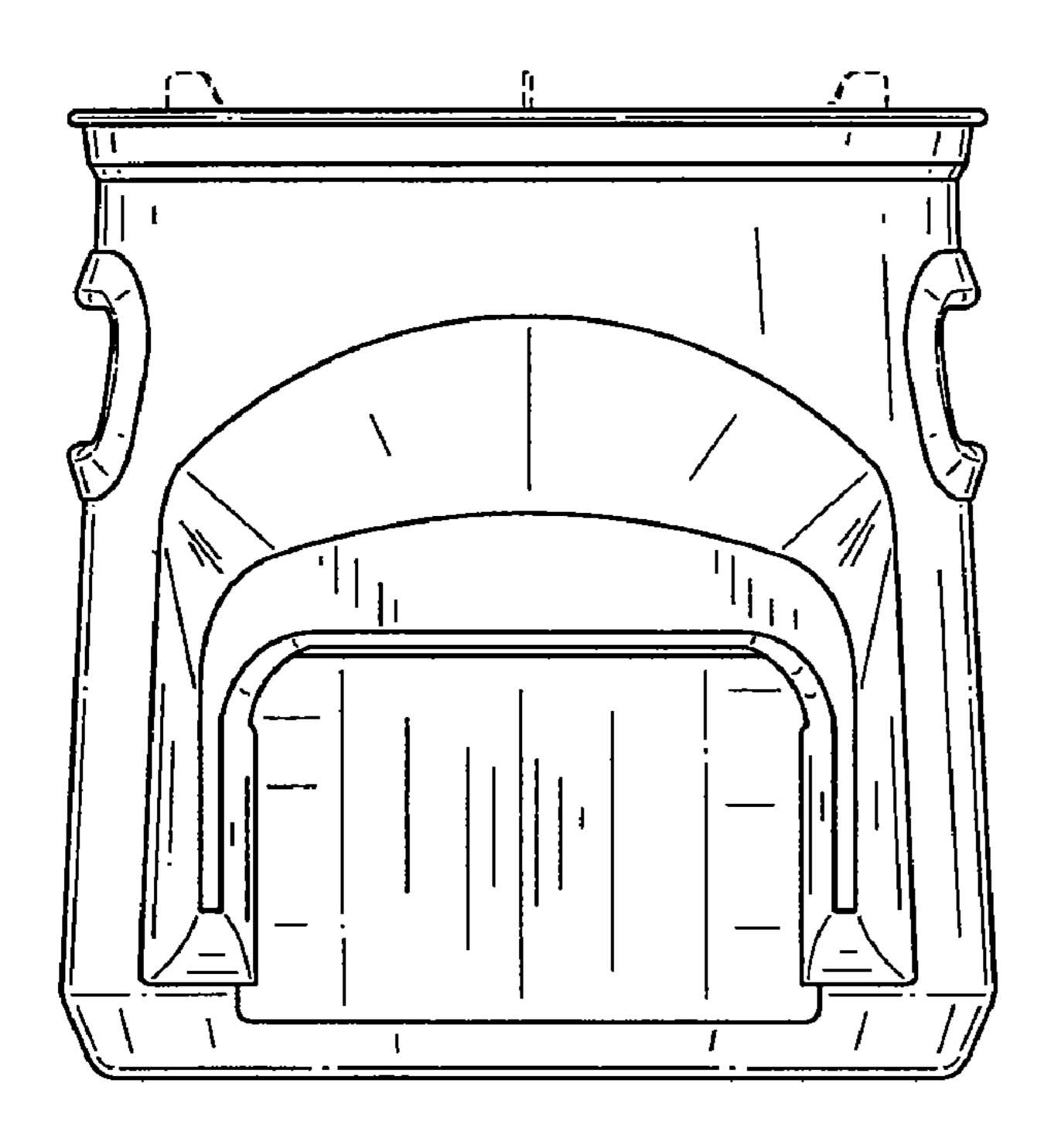
Biomass Energy Foundation, "Woodgas", located at http://www.woodgas.com, retrieved at least as early as Mar. 10, 2009, 4 pages. Spautz et al., "Spreading innovative biomass stove technologies through China and beyond", located at http://www.hedon.info/docs/BP52-3-spautz.pdf, retrieved at least as early as Mar. 2009, pp. 6-8. Suvarnakuta et al., "Biomass Cooking Stove for Sustainable Energy and Environment", The 2nd Joint International Conference on "Sustainable Energy and Environment (SEE 2006)", located at http://www.jgsee.kmutt.ac.th/see1/cd/file/C-014.pdf, Nov. 21-23, 2006, 5 pages.

MacCarty et al., "Laboratory Comparison of the Global-Warming Potential of Six Categories of Biomass Cooking Stoves", located at http://www.aprovecho.org/web-content/publications/assets/ Global_warming_full_9-6-07.pdf, Sep. 2007, 26 pages.

* cited by examiner



F16.1



Mar. 30, 2010

FIG.2

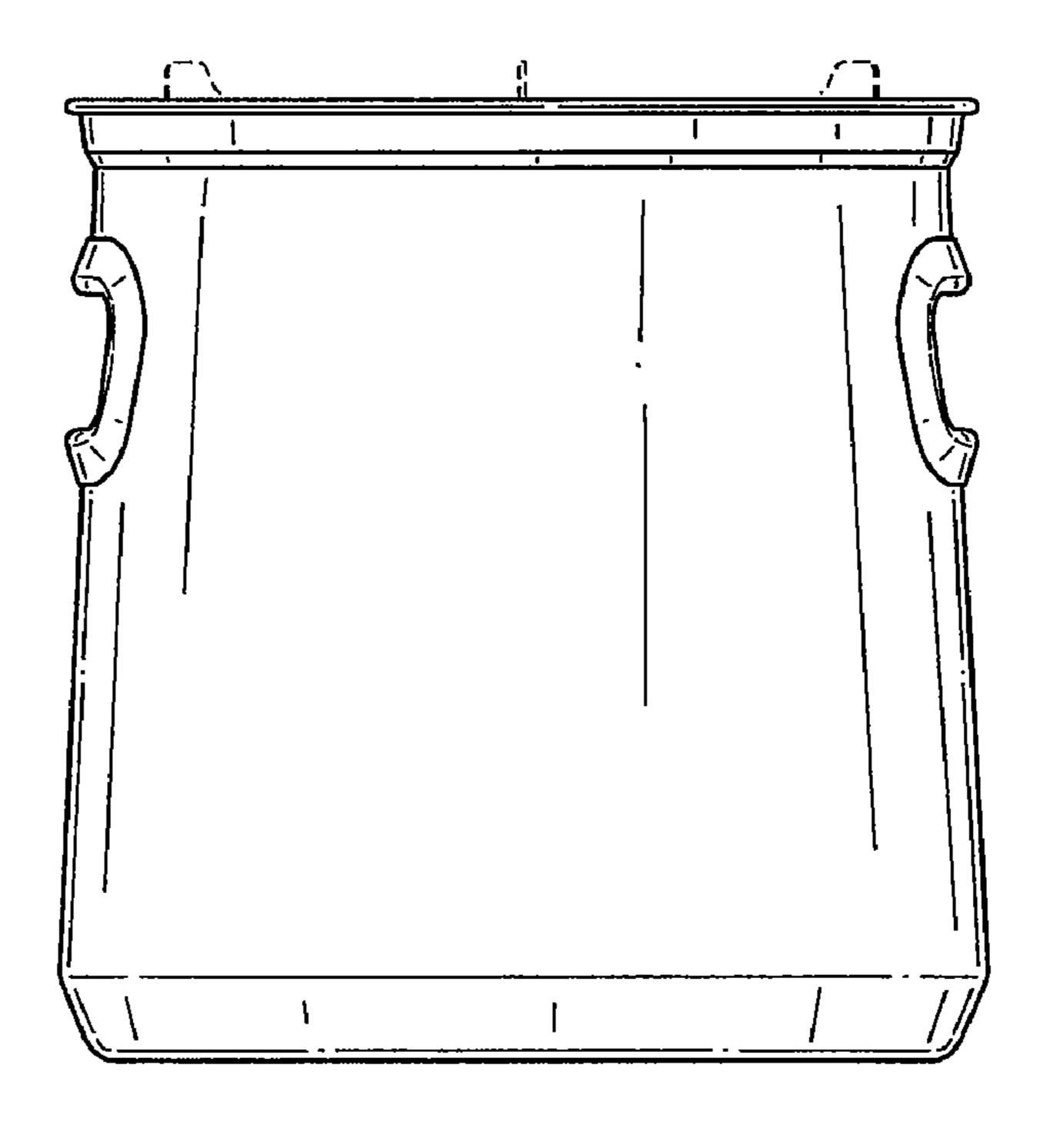


FIG.3

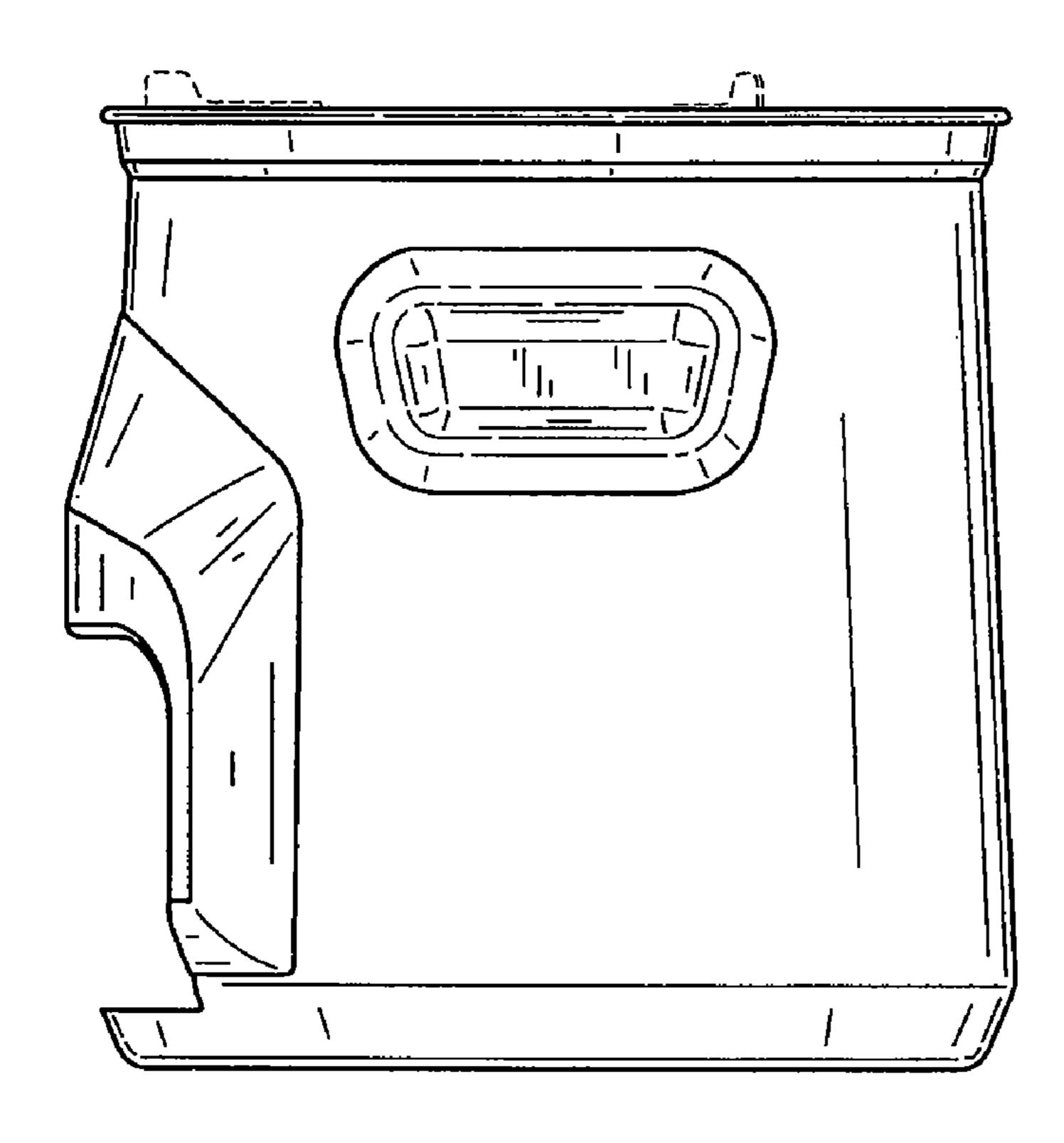


FIG.4

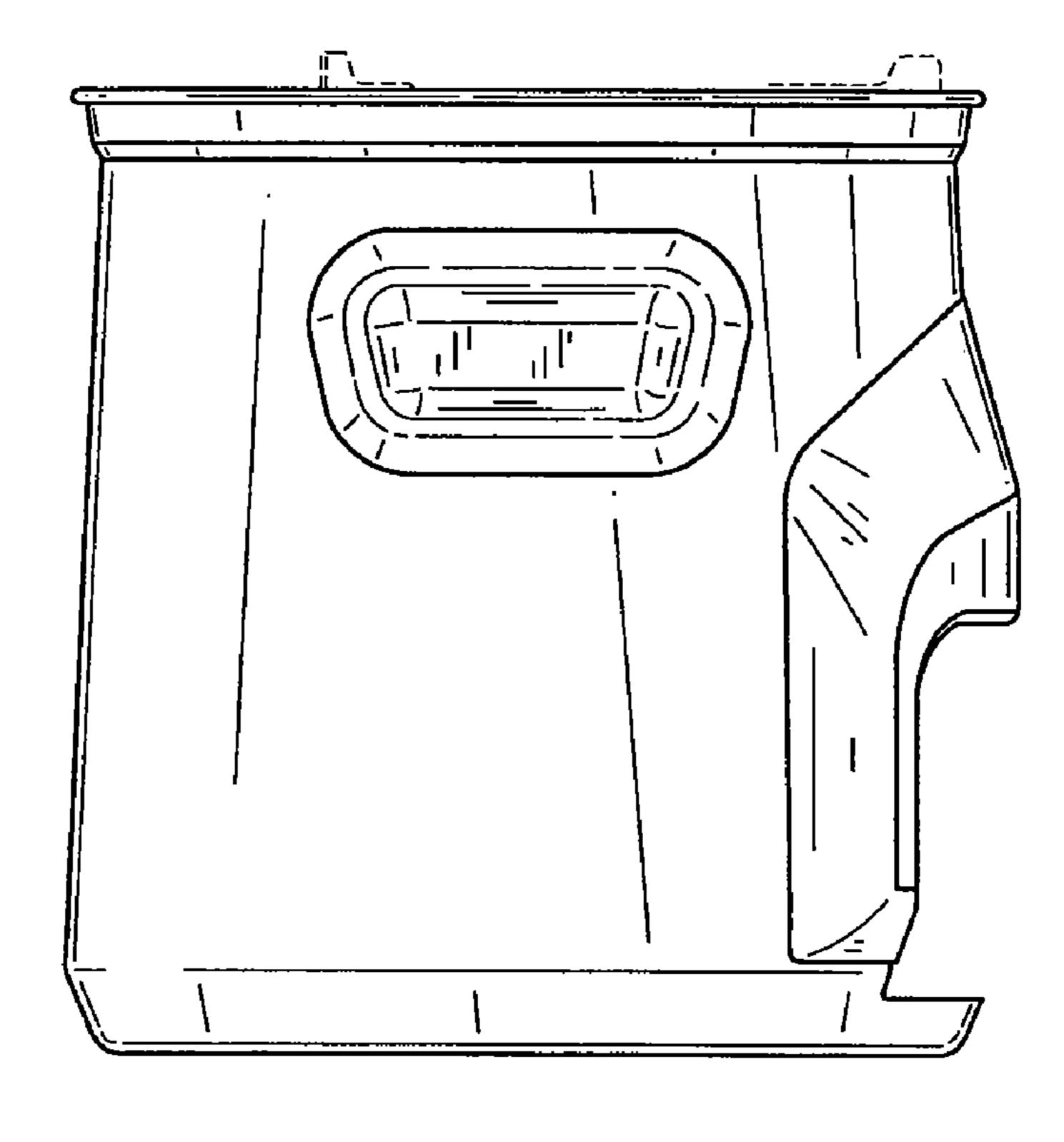


FIG.5

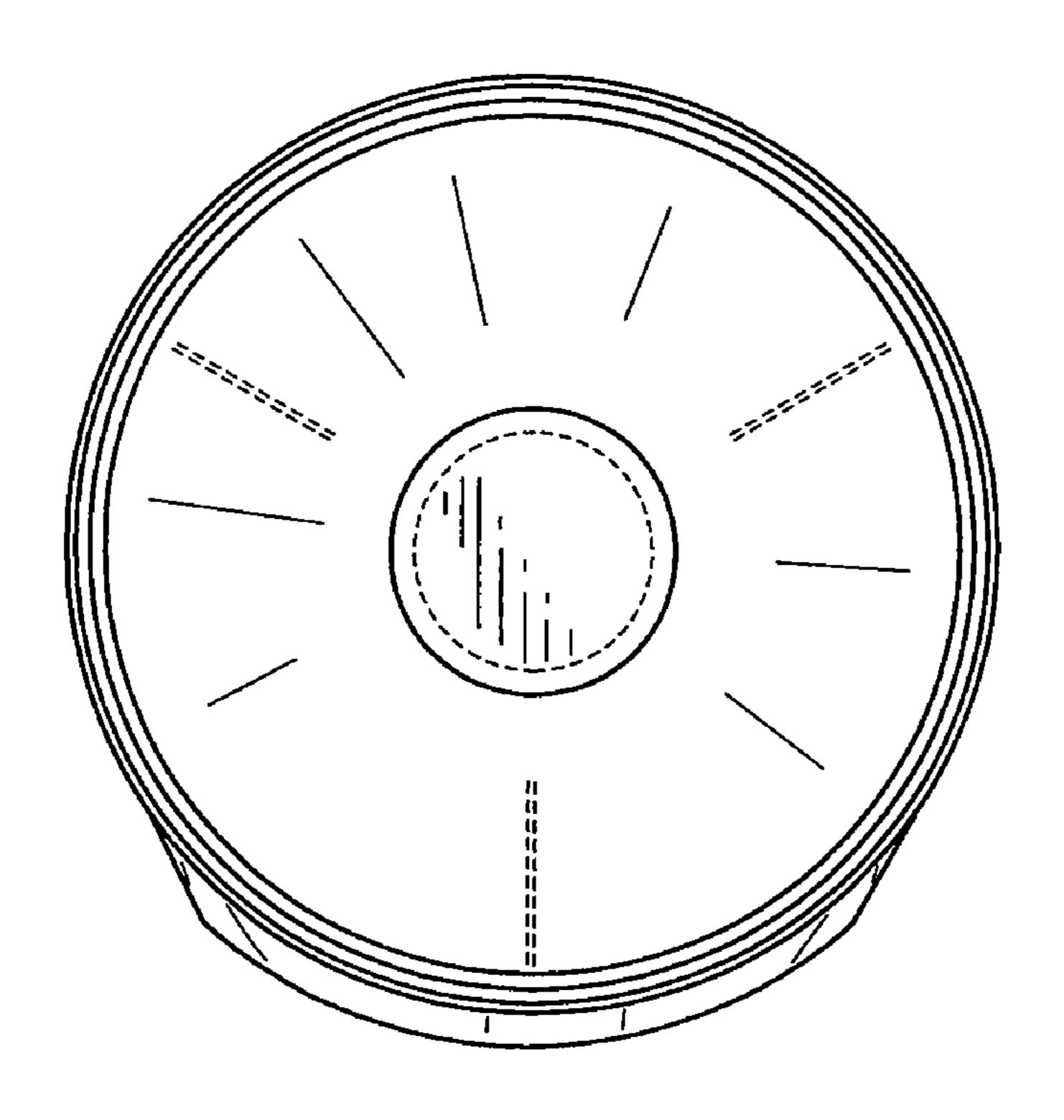


FIG.6

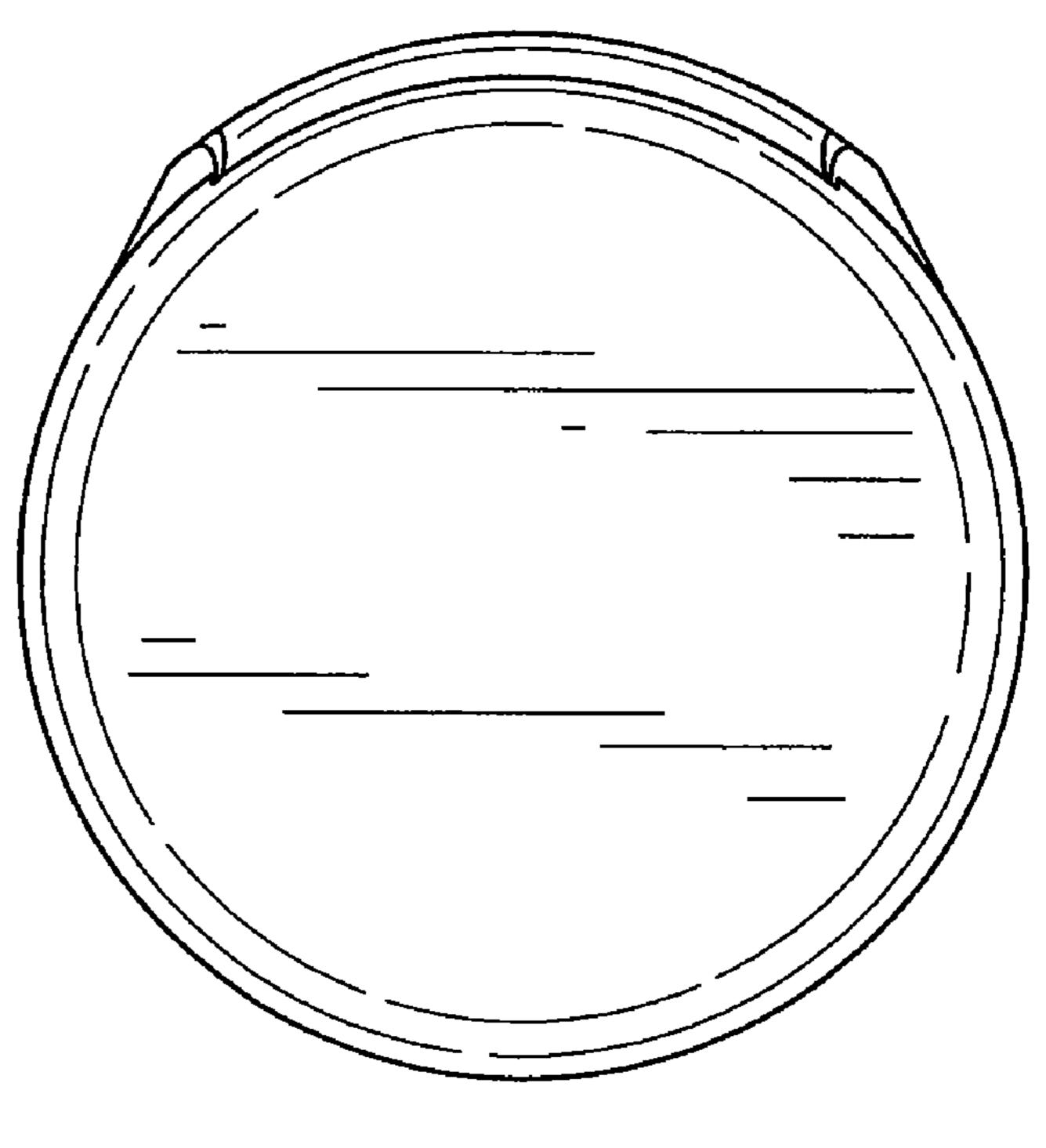


FIG.7

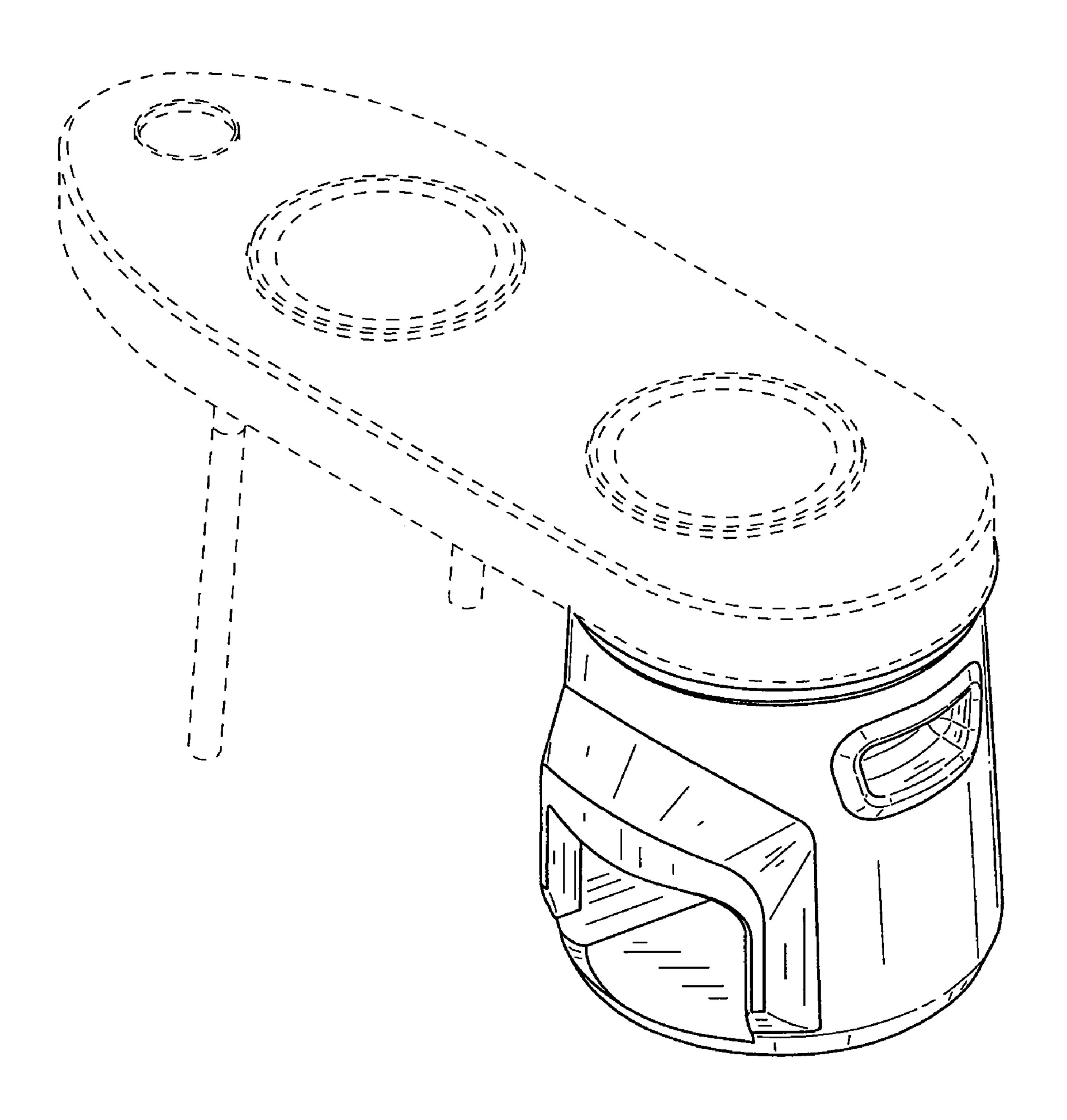
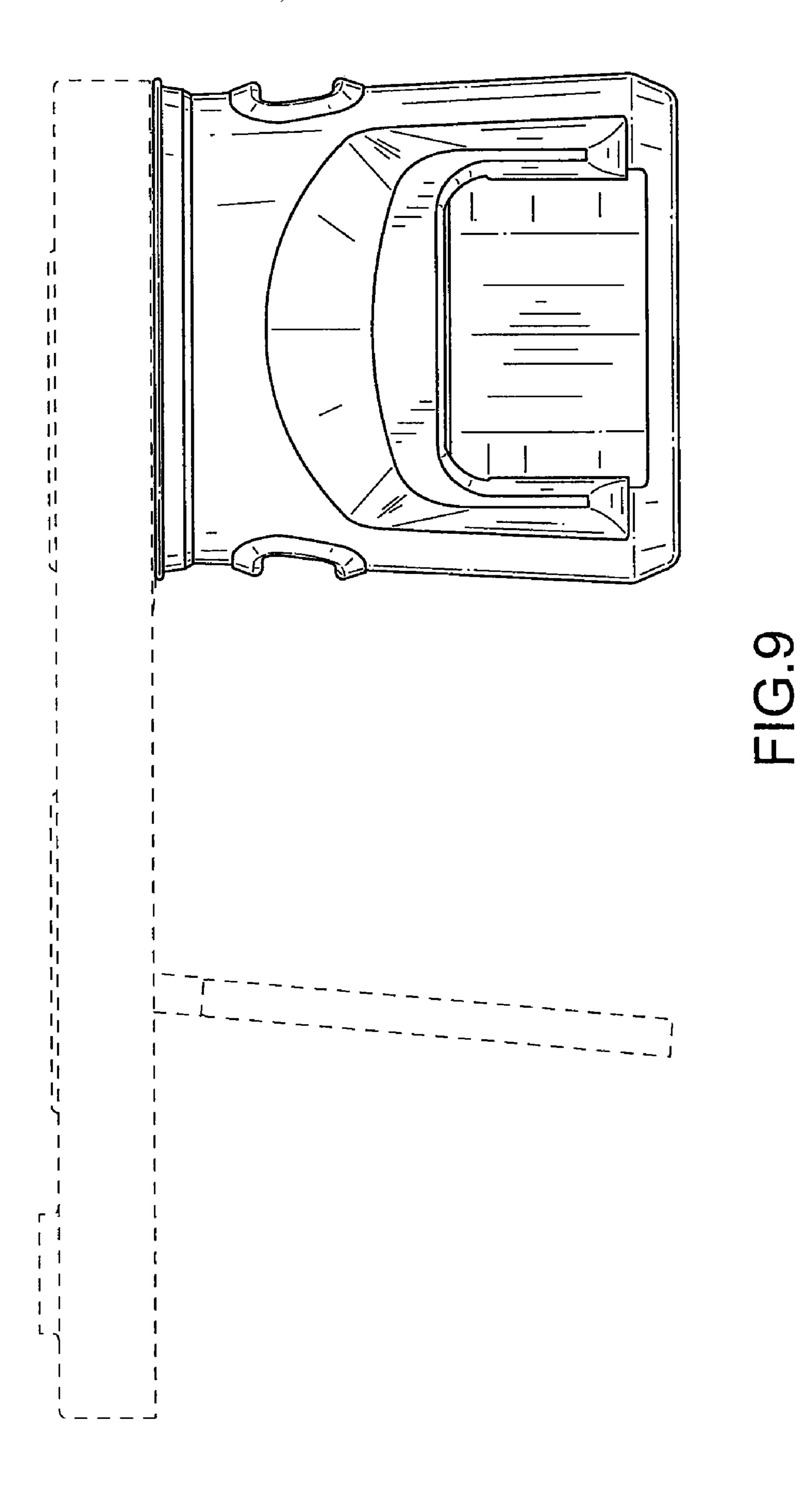
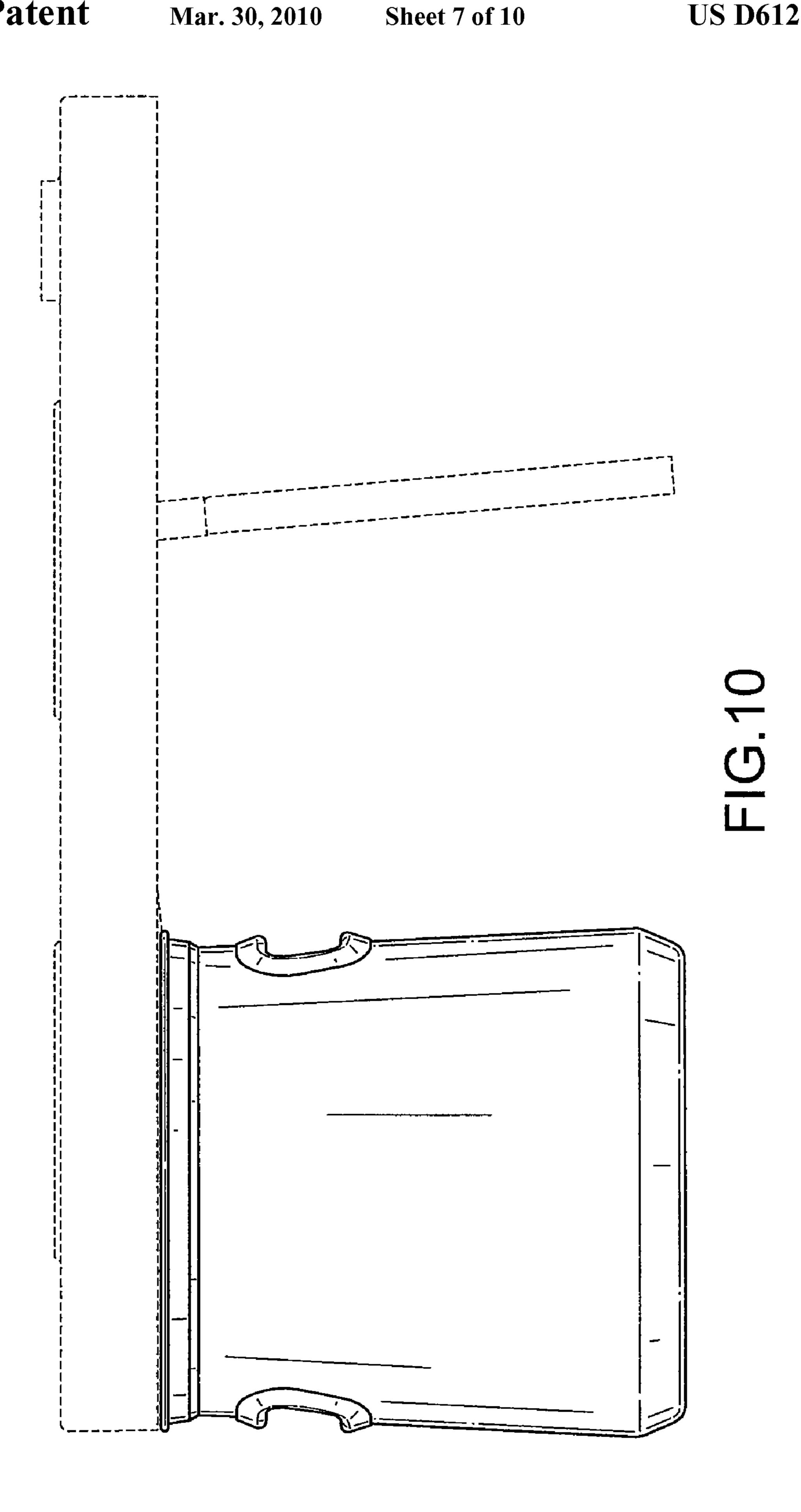


FIG.8





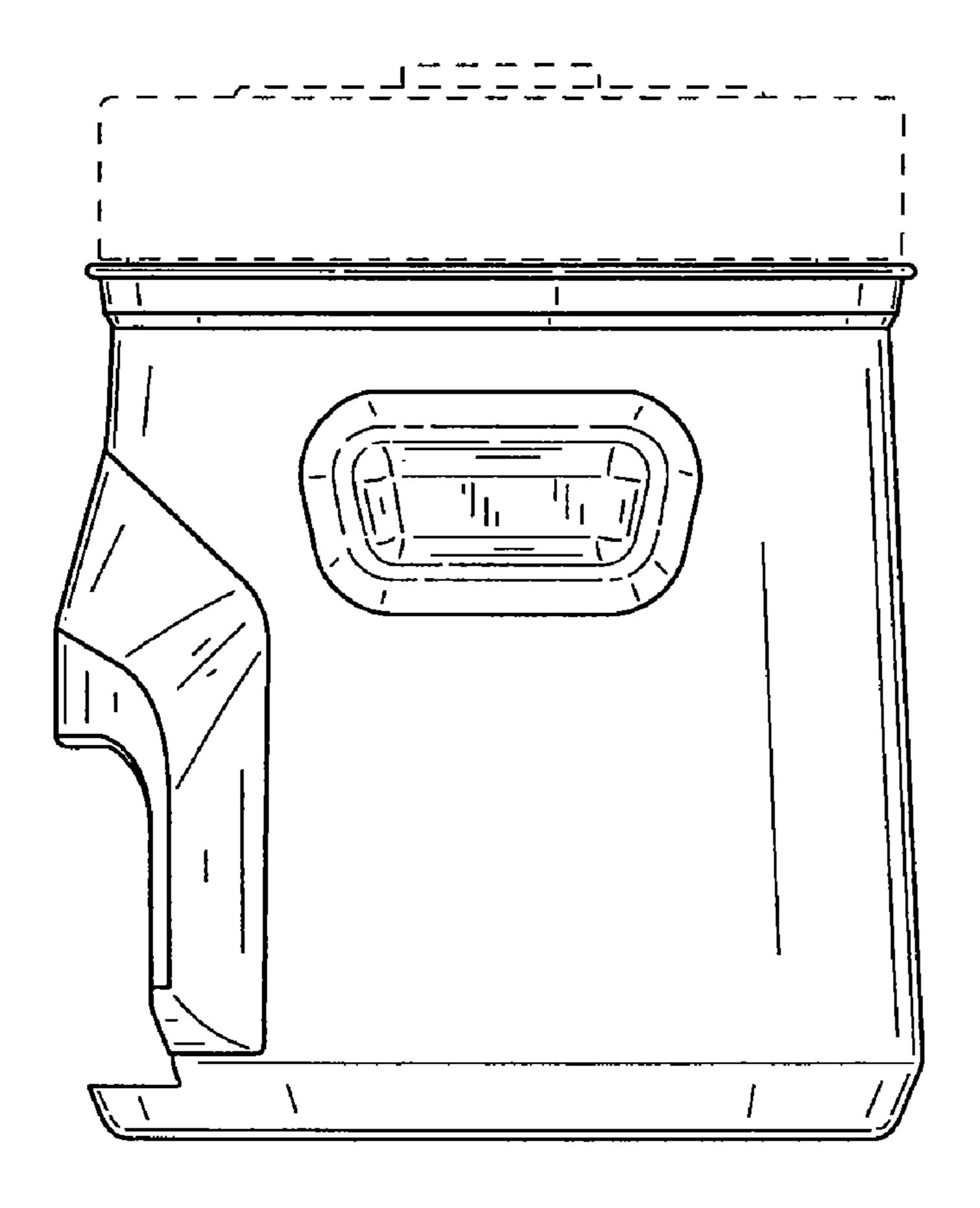


FIG.11

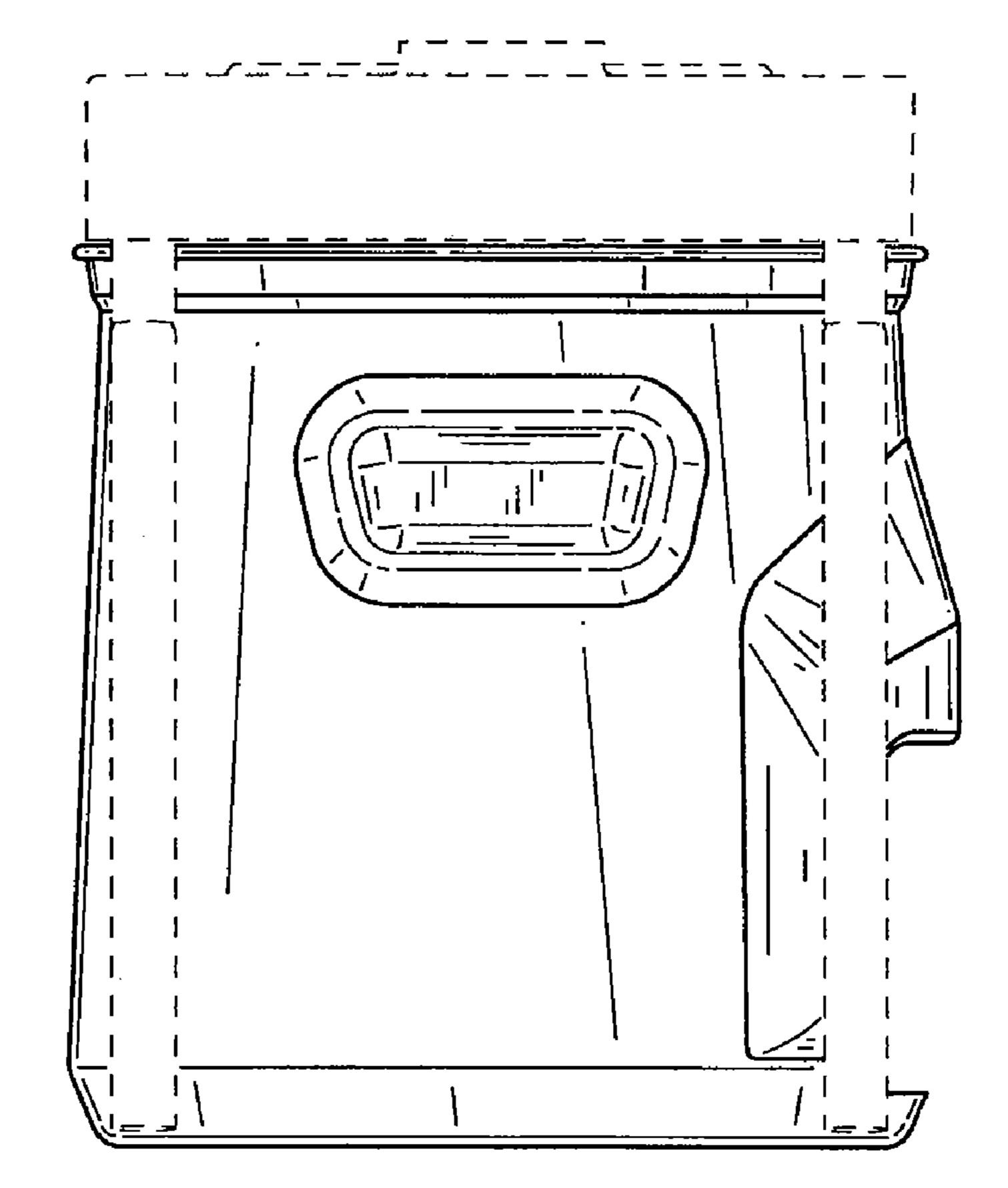


FIG. 12

