



US00D575745S

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

(10) **Patent No.:** **US D575,745 S**
(45) **Date of Patent:** **** Aug. 26, 2008**

(54) **BLADE FUSE AND FUSE ELEMENT THEREFORE**

(75) Inventor: **James J. Beckert**, Rolling Meadows, IL (US)

(73) Assignee: **Littelfuse, Inc.**, Des Plaines, IL (US)

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

(21) Appl. No.: **29/302,290**

(22) Filed: **Jan. 14, 2008**

(51) **LOC (8) Cl.** **13-03**

(52) **U.S. Cl.** **D13/161**

(58) **Field of Classification Search** D13/158-184;
439/687; 337/163, 198, 206, 230, 264, 265
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,491,905	A	4/1924	Eustice
2,308,435	A	1/1943	Wood
2,863,967	A	12/1958	Swain
3,189,712	A	6/1965	Kozacka
3,261,950	A	7/1966	Kozacka
3,301,978	A	1/1967	Kozacka
3,529,271	A	9/1970	Swain
3,629,036	A	12/1971	Isacson
3,786,402	A	1/1974	Horecky
3,909,767	A	9/1975	Williamson et al.
3,935,553	A	1/1976	Kozacka et al.
3,962,782	A	6/1976	Williamson et al.
4,023,264	A	5/1977	Schmidt, Jr. et al.
4,023,265	A	5/1977	Aryamane

(Continued)

FOREIGN PATENT DOCUMENTS

CH 656979 7/1986

(Continued)

OTHER PUBLICATIONS

International Search Report for International Patent Application No. PCT/US05/07484.

Primary Examiner—Daniel D Bui

Assistant Examiner—Thomas J Johannes

(74) *Attorney, Agent, or Firm*—Bell, Boyd & Lloyd LLP

(57) **CLAIM**

The ornamental design for a blade fuse and fuse element therefore, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a blade fuse and fuse element therefore showing my new design;

FIG. 2 is a front view thereof;

FIG. 3 is a side view thereof;

FIG. 4 is a top view thereof;

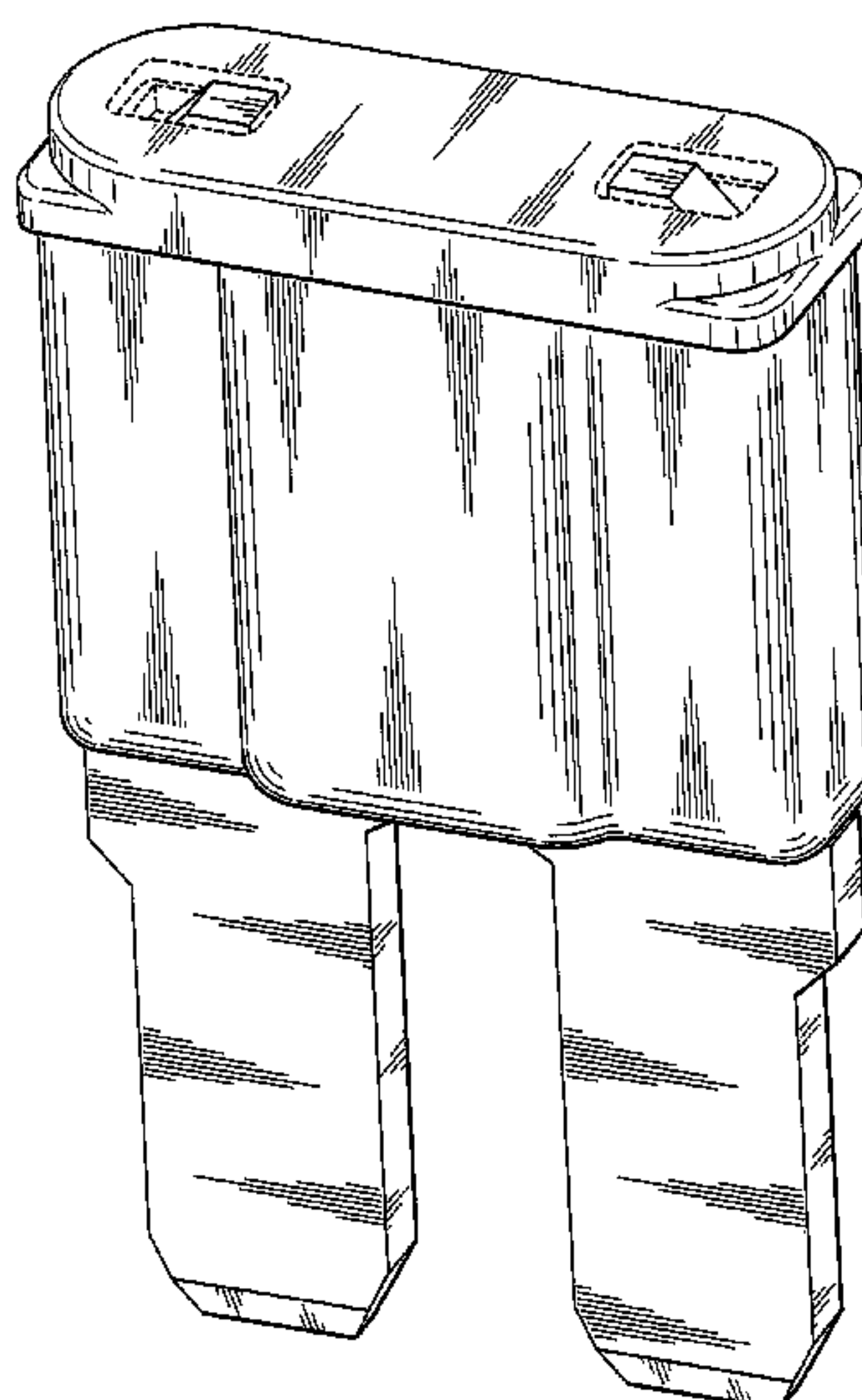
FIG. 5 is a bottom view thereof; and,

FIG. 6 is another perspective view of a blade fuse and fuse element therefore showing the fuse element in relation to a phantom, claimed, outer casing of the blade fuse for clarity.

The broken line portion of the figure drawings is included to show unclaimed subject matter only and forms no part of the claimed design.

The special dot-dash broken line in FIG. 6 of a phantom, claimed, outer casing of the blade fuse is employed for the sake of clarity in order to show the complete fuse element within.

1 Claim, 3 Drawing Sheets



US D575,745 S

Page 2

U.S. PATENT DOCUMENTS					
		5,343,184	A	8/1994	Matsui et al.
		5,346,411	A	9/1994	Nikkinen
4,040,175	A 8/1977	5,357,234	A	10/1994	Pimpis et al.
4,056,884	A 11/1977	5,373,278	A	12/1994	Saulgeot et al.
4,059,334	A 11/1977	5,405,731	A	4/1995	Chandrasekaran et al.
4,067,103	A 1/1978	5,426,411	A	6/1995	Pimpis et al.
4,069,076	A 1/1978	5,444,428	A	8/1995	Carr et al.
4,099,320	A 7/1978	5,476,395	A	12/1995	Raffles et al.
4,099,321	A 7/1978	5,476,396	A	12/1995	De Castro
4,099,322	A 7/1978	5,507,669	A	4/1996	Jannett et al.
4,099,828	A 7/1978	D373,570	S	9/1996	Kudo et al.
4,203,200	A 5/1980	5,552,757	A	9/1996	Blecha et al.
4,221,455	A 9/1980	5,581,225	A	12/1996	Oh et al.
4,221,456	A 9/1980	5,598,138	A	1/1997	Jaronczyk, Jr.
4,224,592	A 9/1980	5,601,905	A	2/1997	Watanabe et al.
4,245,208	A 1/1981	5,629,664	A	5/1997	Muramatsu et al.
4,300,281	A 11/1981	5,662,496	A	9/1997	Kanamori
4,343,530	A 8/1982	5,668,251	A	9/1997	Malik et al.
4,344,058	A 8/1982	5,668,521	A	9/1997	Oh et al.
4,349,804	A * 9/1982	5,668,522	A *	9/1997	Kondo et al. 337/198
4,375,630	A 3/1983	5,726,621	A	3/1998	Whitney et al.
4,391,485	A 7/1983	5,736,918	A	4/1998	Douglass
4,414,526	A 11/1983	5,818,320	A	10/1998	Matsuoka
4,417,225	A 11/1983	5,847,635	A	12/1998	Kudo
4,434,548	A 3/1984	5,854,583	A	12/1998	Falchetti
4,499,447	A 2/1985	5,898,357	A	4/1999	Endo et al.
4,500,162	A 2/1985	5,905,426	A	5/1999	Douglass
4,504,816	A 3/1985	5,923,240	A	7/1999	Endo et al.
4,506,004	A 3/1985	5,929,740	A	7/1999	Oh et al.
4,544,907	A 10/1985	5,951,328	A	9/1999	Roper, Jr.
4,592,613	A 6/1986	5,963,122	A	10/1999	Endo et al.
4,604,602	A 8/1986	5,963,123	A	10/1999	Douglass
4,612,539	A 9/1986	5,977,859	A	11/1999	Kawamura et al.
4,635,023	A * 1/1987	6,002,322	A	12/1999	Krueger et al.
4,661,793	A * 4/1987	6,011,458	A	1/2000	Endo et al.
4,670,729	A 6/1987	6,031,446	A	2/2000	Prohaska et al.
4,675,990	A 6/1987	6,075,689	A	6/2000	Mitchell
4,682,140	A 7/1987	6,157,287	A	12/2000	Douglass et al.
4,698,294	A 10/1987	6,163,244	A	12/2000	Endo et al.
4,712,081	A 12/1987	6,168,471	B1	1/2001	Santa Cruz et al.
4,722,701	A 2/1988	6,194,989	B1	2/2001	Douglass
4,724,606	A 2/1988	6,222,438	B1	4/2001	Horibe et al.
4,782,317	A 11/1988	6,272,000	B1	8/2001	Spaunhorst et al.
4,827,238	A 5/1989	6,294,978	B1	9/2001	Endo et al.
4,831,353	A 5/1989	6,313,416	B1	11/2001	Abroy et al.
4,884,050	A 11/1989	D451,889	S	12/2001	Ohashi et al.
4,949,062	A 8/1990	6,326,878	B1	12/2001	Liang
4,949,063	A 8/1990	D452,851	S	1/2002	Ohashi et al.
4,951,026	A 8/1990	D454,842	S	3/2002	Ohashi et al.
4,958,426	A 9/1990	6,359,543	B2	3/2002	Endo et al.
4,972,170	A 11/1990	6,407,657	B1	6/2002	Oh
4,986,767	A 1/1991	6,445,563	B1	9/2002	Endo
4,992,770	A 2/1991	6,452,474	B1	9/2002	Oh
4,994,779	A 2/1991	6,461,171	B2	10/2002	Kanaoka et al.
4,998,086	A 3/1991	6,529,113	B2	3/2003	Endo et al.
5,049,095	A 9/1991	6,531,949	B2	3/2003	Endo et al.
D321,683	S 11/1991	6,542,064	B2	4/2003	Endo et al.
5,075,664	A 12/1991	6,545,585	B2	4/2003	Endo et al.
5,077,534	A 12/1991	6,556,120	B2	4/2003	Endo et al.
5,085,600	A 2/1992	6,556,121	B2	4/2003	Endo et al.
5,118,314	A 6/1992	6,616,484	B1	9/2003	Fan Wong
5,139,443	A 8/1992	6,622,375	B1	9/2003	Endo
5,213,945	A 5/1993	6,642,834	B1	11/2003	Oh et al.
5,227,759	A 7/1993	6,666,722	B2	12/2003	Fukumori et al.
5,228,188	A 7/1993	6,666,723	B2	12/2003	Fukumori et al.
5,229,739	A 7/1993	6,726,506	B2	4/2004	Fukumori et al.
5,235,306	A 8/1993	6,734,780	B2	5/2004	Endo et al.
5,239,282	A 8/1993	6,753,753	B2	6/2004	Endo et al.
5,239,291	A 8/1993	6,771,477	B2	8/2004	Milanczak
5,249,985	A 10/1993	6,848,946	B2	2/2005	Vicenza et al.
5,293,147	A 3/1994	D559,203	S *	1/2008	Harris et al. D13/173
5,296,832	A 3/1994	2001/0026209	A1	10/2001	Kond et al.
5,324,214	A 6/1994				

US D575,745 S

Page 3

2005/0212647 A1* 9/2005 Goldsberry et al. 337/198

FOREIGN PATENT DOCUMENTS

DE	2500364	7/1975
DE	3040884	5/1982
DE	10358444	7/2005
GB	2090081	6/1982
JP	54-133203	10/1979
JP	56-2560	1/1981

JP	56-2561	1/1981
JP	56-51239	5/1981
JP	56-90354	7/1981
JP	56-92862	7/1981
JP	57-204647	12/1982
JP	58-154549	9/1983
JP	2000-260290	9/2000
JP	2000-260294	9/2000

* cited by examiner

FIG. 1

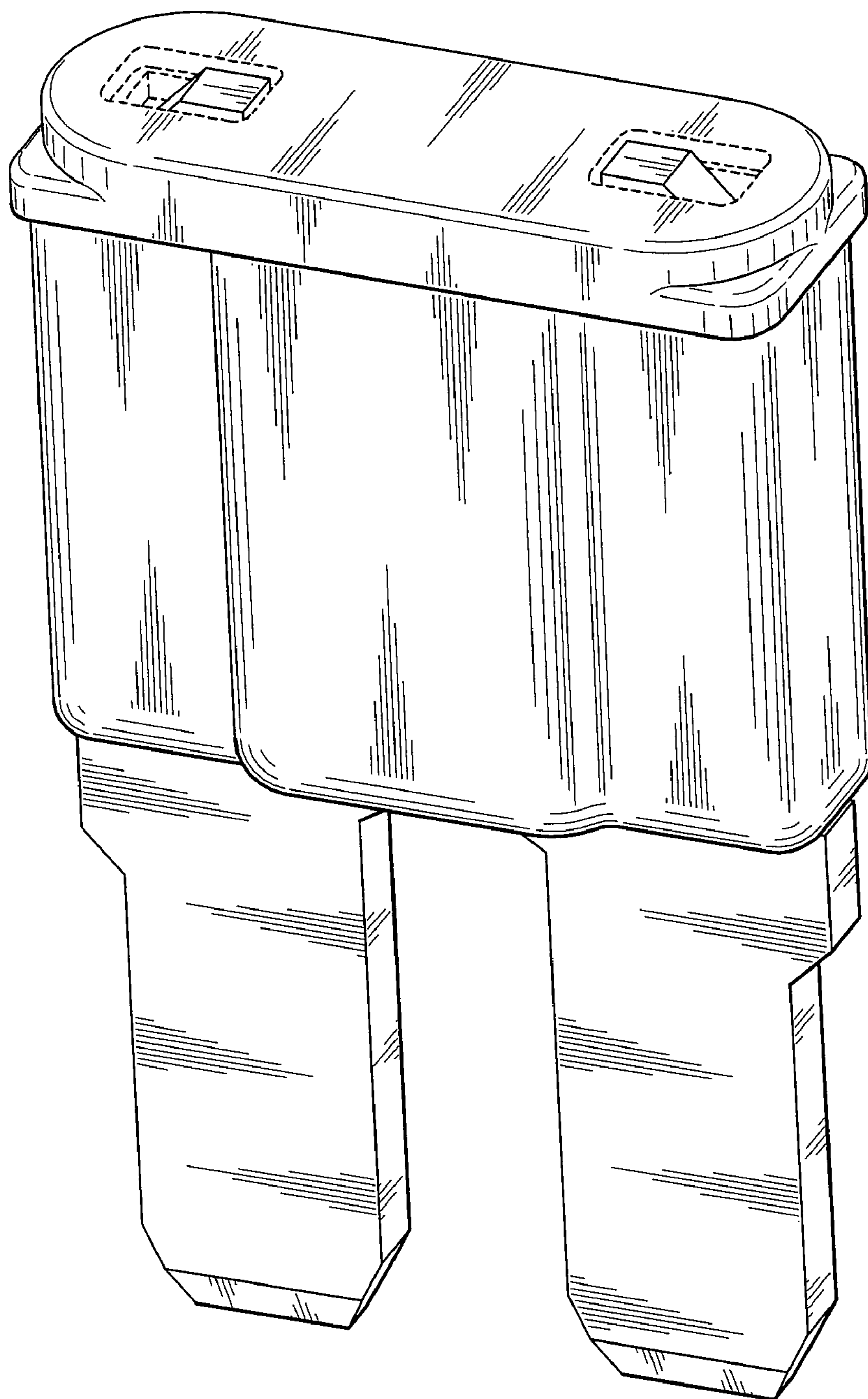


FIG. 2

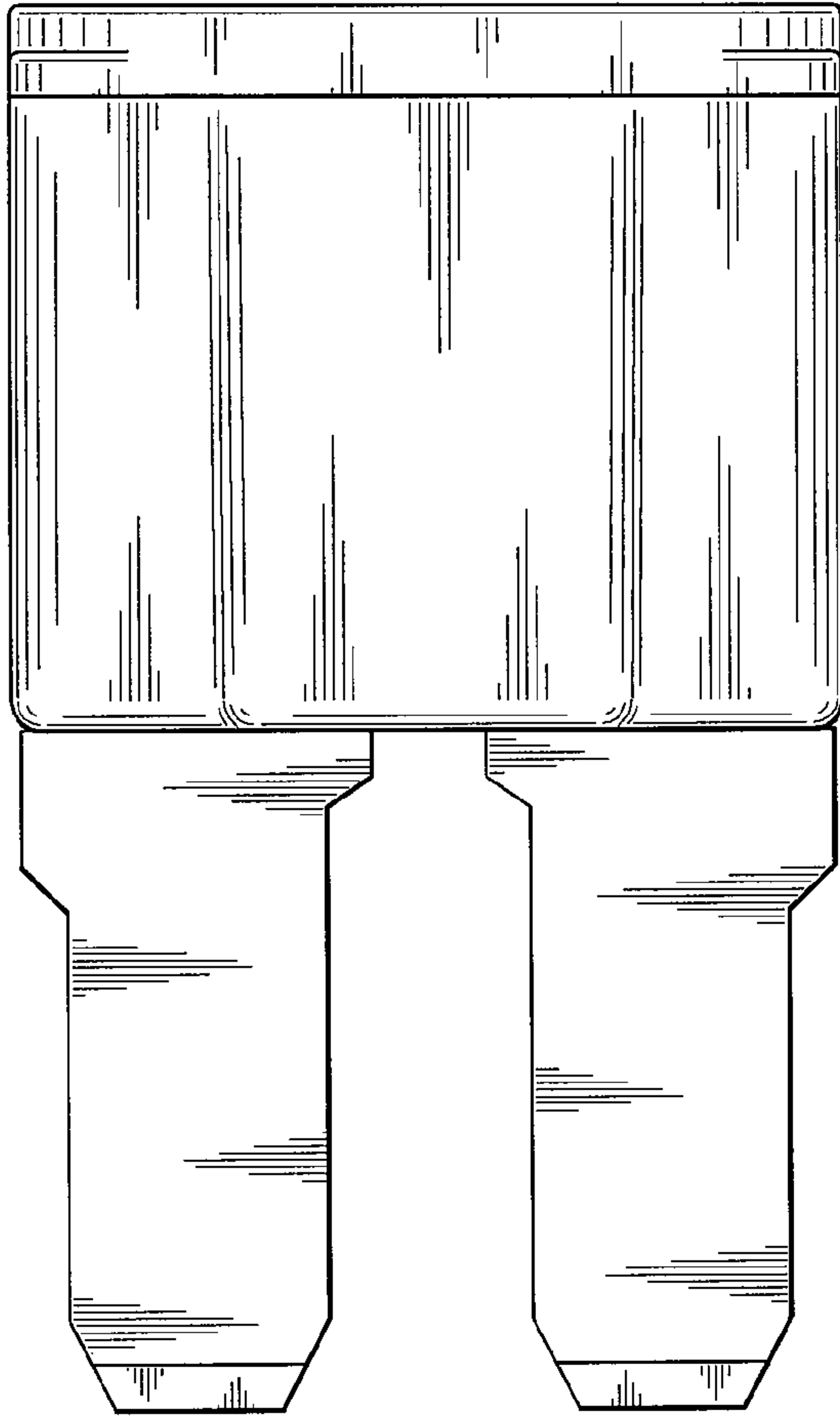


FIG. 3

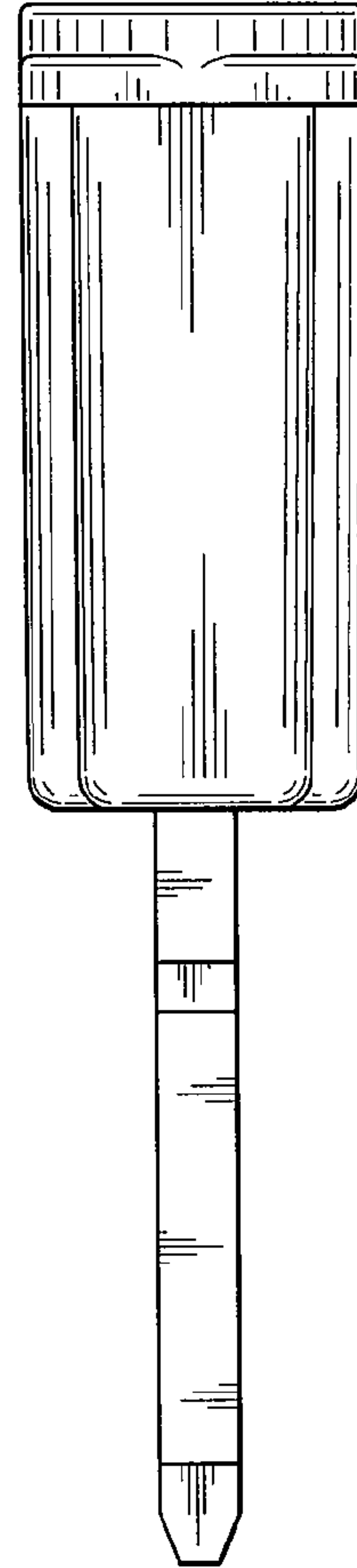


FIG. 4

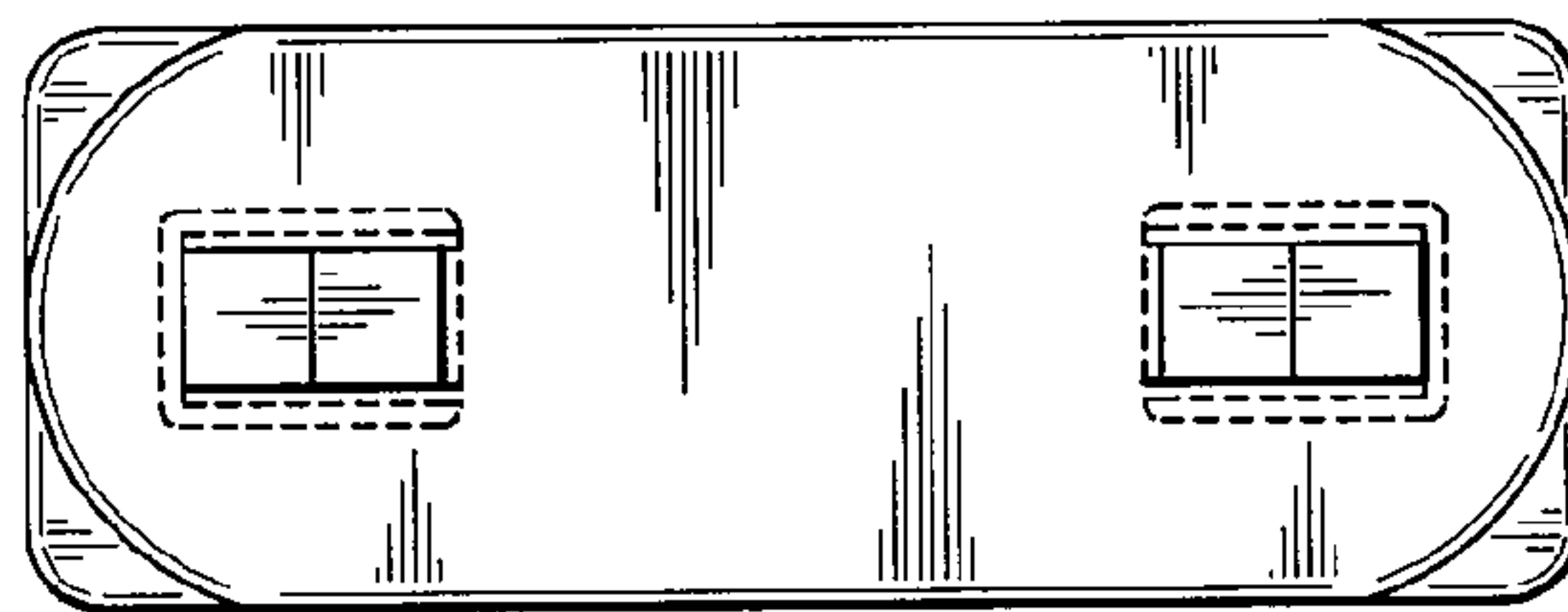


FIG. 5

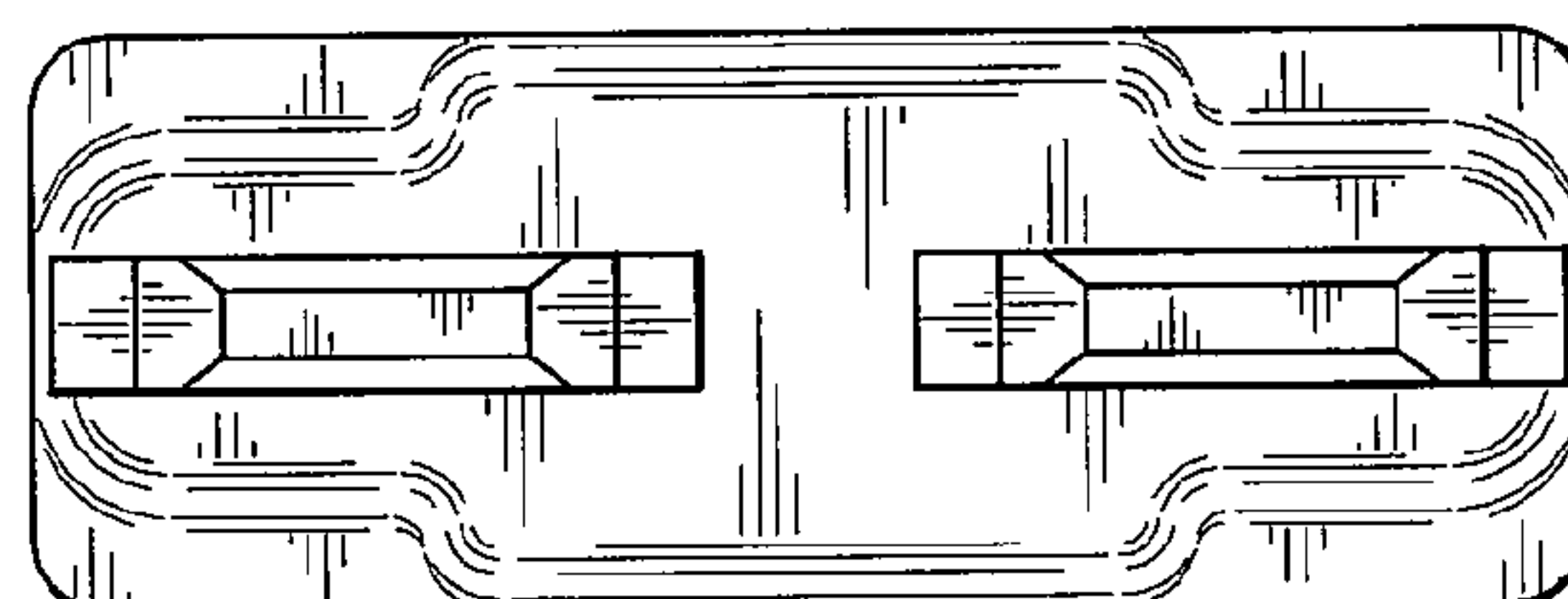


FIG. 6

