



US00D552752S

(12) **United States Design Patent** (10) **Patent No.:** **US D552,752 S**
Hackett et al. (45) **Date of Patent:** **** Oct. 9, 2007**

- (54) **STEEL DOOR** D222,775 S 12/1971 Sartori
- (75) Inventors: **James S. Hackett**, Klamath Falls, OR 3,639,200 A 2/1972 Elmendorf et al.
- (US); **Rod C. Harlin**, Klamath Falls, 3,796,586 A 3/1974 Hanlon et al.
- OR (US); **Daniel Stanley Malicki**, 3,987,599 A 10/1976 Hines
- Klamath Falls, OR (US) D244,736 S 6/1977 Palka
- (73) Assignee: **JELD-WEN, inc.**, Klamath Falls, OR 4,245,824 S 9/1977 Palka
- (US) 4,236,365 A 12/1980 Wheeler
- (**) Term: **14 Years** 4,246,310 A 1/1981 Hunt et al.
- (21) Appl. No.: **29/268,323** 4,248,163 A 2/1981 Caughey et al.
- (22) Filed: **Nov. 3, 2006** 4,277,428 A 7/1981 Luck et al.
- D266,042 S 9/1982 Moore et al.
- D266,720 S 11/1982 Moore et al.
- 4,361,612 A 11/1982 Shaner et al.
- 4,364,984 A 12/1982 Wentworth
- 4,441,296 A 4/1984 Grabendike et al.
- D274,107 S 6/1984 Gordon

Related U.S. Application Data

- (60) Division of application No. 29/188,769, filed on Aug. 22, 2003, now Pat. No. Des. 532,114, which is a continuation-in-part of application No. 29/185,791, filed on Jul. 2, 2003, now abandoned.

- (51) **LOC (8) Cl.** **25-02**
- (52) **U.S. Cl.** **D25/48**
- (58) **Field of Classification Search** D25/48;
49/504, 501, DIG. 2; D6/561; 312/109,
312/326; 52/311.1, 311.2, 314, 455, 457
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 619,676 A 2/1899 Cronin
- D132,040 S 4/1942 Cummings
- 2,343,740 A 3/1944 Birmingham
- 2,682,083 A 6/1954 Patton
- 2,831,793 A 4/1958 Elmendorf
- D192,073 S * 1/1962 Jackson D25/48
- 3,098,781 A 7/1963 Greten
- 3,121,263 A 2/1964 Binner
- 3,212,948 A 10/1965 McMahon
- 3,308,013 A 3/1967 Bryant
- 3,512,304 A 5/1970 Meuret
- 3,533,190 A 10/1970 Hilfinger et al.
- 3,546,841 A 12/1970 Smith et al.

(Continued)

FOREIGN PATENT DOCUMENTS

CA 57271 10/1986

(Continued)

OTHER PUBLICATIONS

Masonite Brand Door Facings—brochure, published in 1987.

(Continued)

Primary Examiner—Doris Clark
(74) *Attorney, Agent, or Firm*—Nelson Mullins Riley & Scarborough LLP

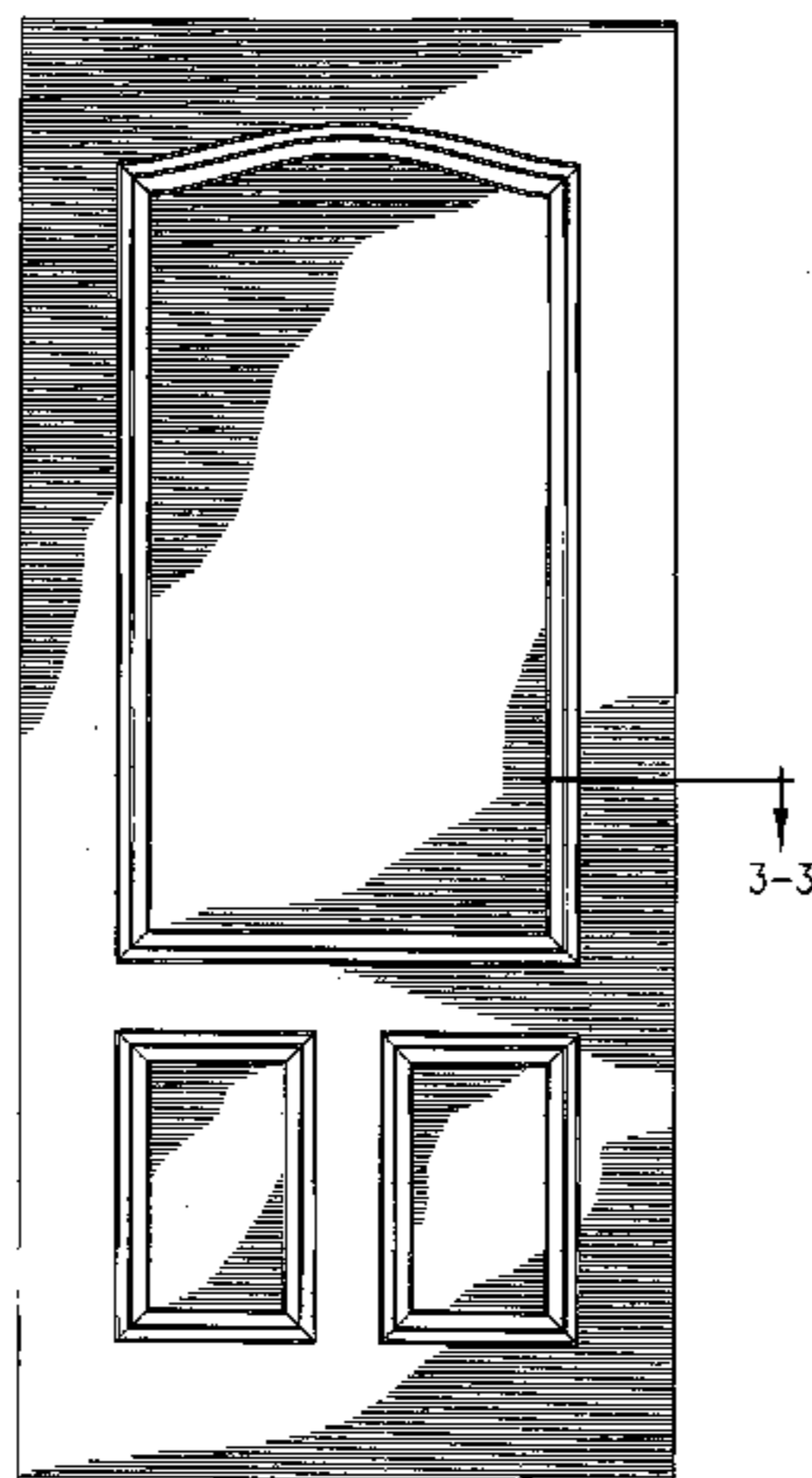
(57) **CLAIM**

The ornamental design for a steel door, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a steel door;
FIG. 2 is a perspective view of thereof; and,
FIG. 3 is a cross-sectional view taken along line 3—3 of FIG. 1.

1 Claim, 3 Drawing Sheets



US D552,752 S

Page 2

U.S. PATENT DOCUMENTS

D274,944 S	7/1984	Coppa
4,503,115 A	3/1985	Hemels et al.
4,552,797 A	11/1985	Munk et al.
D282,426 S	2/1986	Heimberger et al.
4,579,613 A	4/1986	Belanger
4,610,900 A	9/1986	Nishibori
4,610,913 A	9/1986	Barnes
D286,177 S	10/1986	Case et al.
4,622,190 A	11/1986	Schultz
4,720,363 A	1/1988	Mayumi et al.
4,811,538 A	3/1989	Lehnert
4,830,929 A	5/1989	Ikeda et al.
4,853,062 A	8/1989	Gartland
4,876,838 A	10/1989	Hagemeyer
D304,983 S	12/1989	Palka
4,908,990 A	3/1990	Yoon et al.
4,942,084 A	7/1990	Prince
D314,242 S	1/1991	Mikolaitis
D314,625 S	2/1991	Hall
5,016,414 A	5/1991	Wang
D319,884 S	9/1991	Hall
5,074,087 A	12/1991	Green
5,074,092 A	12/1991	Norlander
5,075,059 A	12/1991	Green
5,167,105 A	12/1992	Isban et al.
D335,982 S	6/1993	Brandon
5,219,634 A	6/1993	Aufderhaar
D338,718 S	8/1993	Izzo
5,239,799 A	8/1993	Bies et al.
5,293,726 A	3/1994	Schick
D349,352 S	8/1994	Csati
5,355,654 A	10/1994	Stanley
5,369,869 A	12/1994	Bies et al.
5,401,556 A	3/1995	Ishitoya et al.
5,443,891 A	8/1995	Bach
5,470,631 A	11/1995	Lindquist et al.
D366,939 S	2/1996	Schafernak
D367,121 S	2/1996	Schafernak

D370,269 S	5/1996	Schafernak	
D371,852 S	7/1996	Schafernak	
5,543,234 A	8/1996	Lynch et al.	
D380,053 S *	6/1997	Forsland	D25/48
D382,350 S	8/1997	Lynch	
D388,196 S	12/1997	Schafernak et al.	
5,766,774 A	6/1998	Lynch et al.	
5,852,910 A	12/1998	Zebedee	
D411,022 S	6/1999	Schafernak et al.	
D422,088 S *	3/2000	Mishina	D25/39
D426,645 S	6/2000	Bonomo et al.	
6,200,687 B1	3/2001	Smith et al.	
6,485,800 B1	11/2002	Liittschwager et al.	
6,615,558 B2 *	9/2003	Libby et al.	52/455
D501,565 S	2/2005	Malicki et al.	
D501,931 S	2/2005	Davina et al.	
6,899,835 B2	5/2005	Liittschwager et al.	
D517,219 S	3/2006	Davina et al.	
7,022,414 B2	4/2006	Davina et al.	
D528,670 S	9/2006	Davina et al.	

FOREIGN PATENT DOCUMENTS

DE	3801486 A1	8/1989
EP	0 049 299 B1	4/1982
EP	0 225 629 B2	6/1987

OTHER PUBLICATIONS

Elite Doors—brochure, apparently published in Oct. 1987.
 “The New Mission Series” product brochure by Nord, Part of the JELD-WEN family, 300 W. Marine View Drive, Everett, WA 98201-1030, in existence at least as of Oct. 29, 2002.
 Lloyd, William B., Millwork Principles and Practices, Manufacture-Distribution Use, Cahners Pub. Co., Inc., Chicago, IL © 1966, pp. 173 and 192 (FIGS. 100 & 103).
 1981 Sweet’s Catalog, Section 8-3/50, p. 7.
 Therma-Tru® Doors brochure, pp. 117-120, 122, 124-130, © 2000.
 Simpson Door Co. Infinity Encore® brochure, © 2001.

* cited by examiner

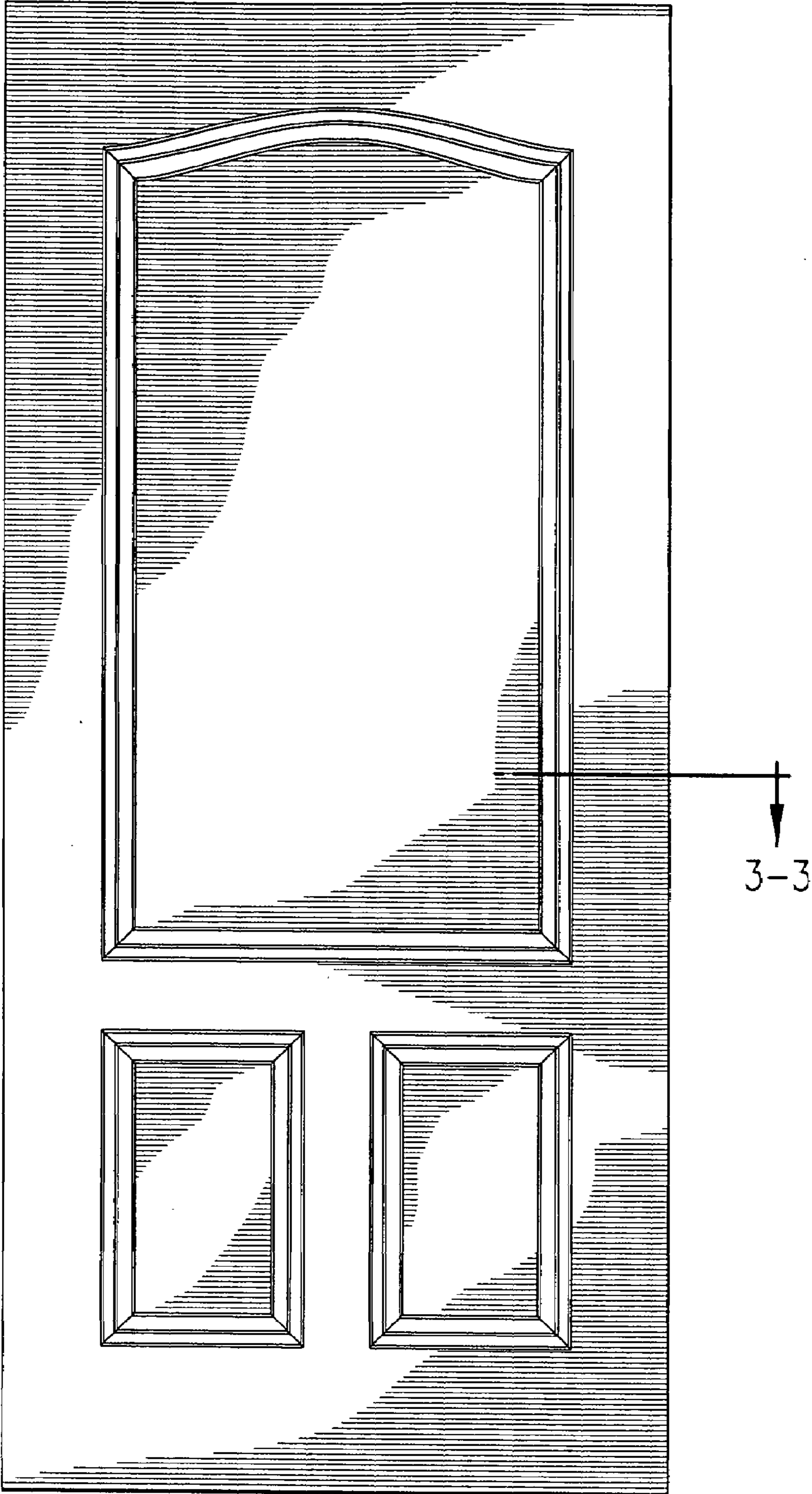


FIG. 1

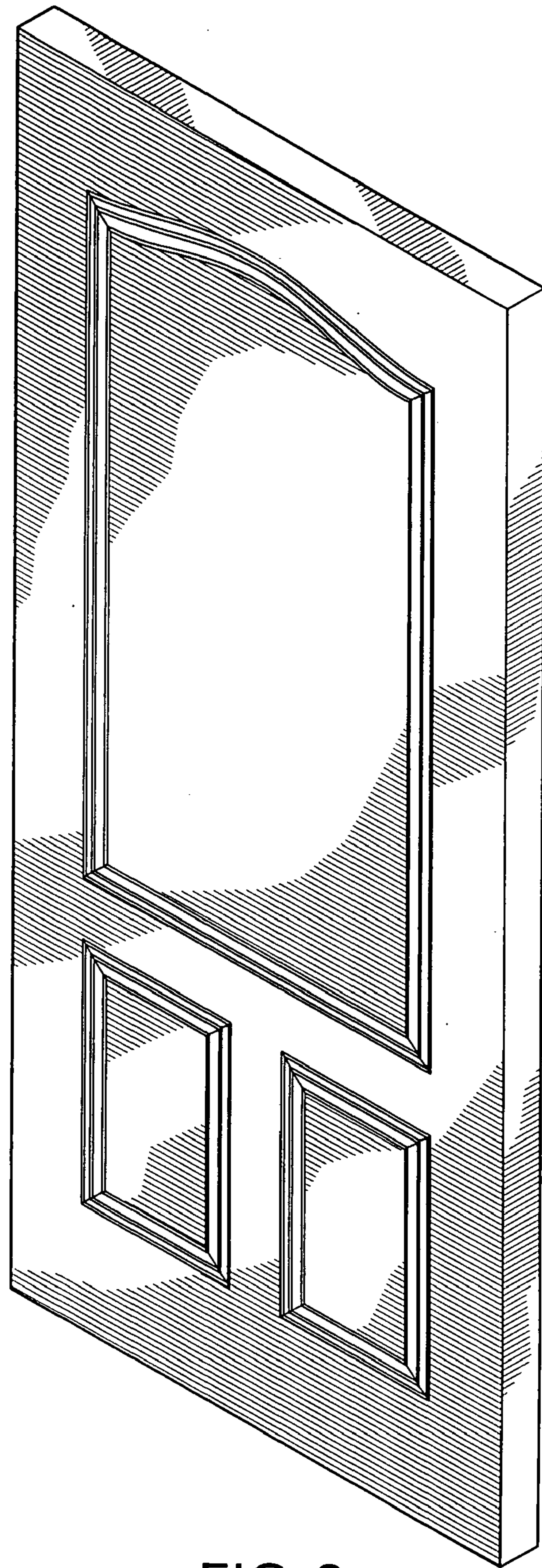


FIG.2

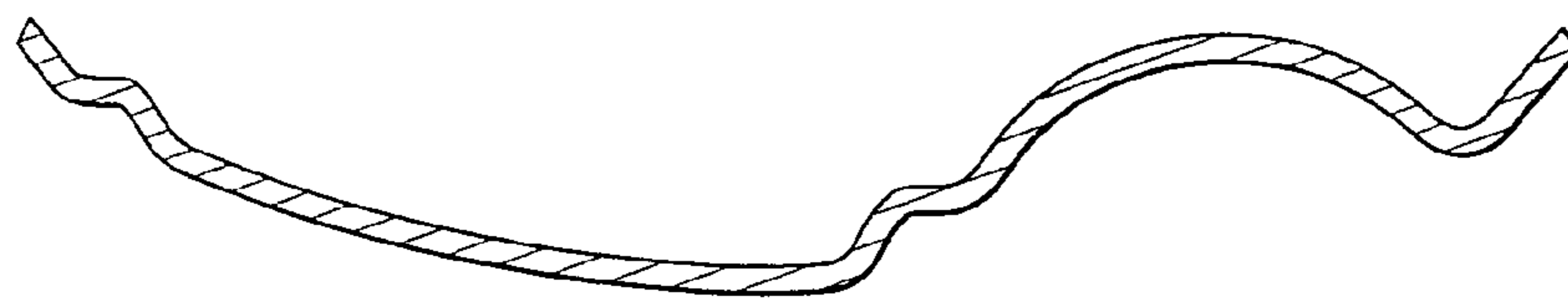


FIG. 3