



US00D551777S

(12) **United States Design Patent** (10) **Patent No.:** **US D551,777 S**
Hackett et al. (45) **Date of Patent:** **** Sep. 25, 2007**

- (54) **STEEL DOOR** 3,533,190 A 10/1970 Hilfinger et al.
- 3,546,841 A 12/1970 Smith et al.
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- (US); **Rod C. Harlin**, Klamath Falls, 3,639,200 A 2/1972 Elmendorf et al.
- OR (US); **Daniel Stanley Malicki**, 3,796,586 A 3/1974 Hanlon et al.
- Klamath Falls, OR (US) 3,987,599 A 10/1976 Hines
- (73) Assignee: **Jeld-Wen, inc.**, Klamath Falls, OR D244,736 S 6/1977 Palka
- (US) D245,824 S 9/1977 Palka
- (**) Term: **14 Years** 4,236,365 A 12/1980 Wheeler
- 4,246,310 A 1/1981 Hunt et al.
- (21) Appl. No.: **29/268,345** 4,248,163 A 2/1981 Caughey et al.
- 4,277,428 A 7/1981 Luck et al.
- D266,042 S 9/1982 Moore et al.
- (22) Filed: **Nov. 3, 2006** D266,720 S 11/1982 Moore et al.

(Continued)

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.

FOREIGN PATENT DOCUMENTS

CA 57271 10/1986

(Continued)

OTHER PUBLICATIONS

Masonite Brand Door Facings—brochure, published in 1987.

(Continued)

- (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.

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(56) **References Cited**

(57) **CLAIM**

U.S. PATENT DOCUMENTS

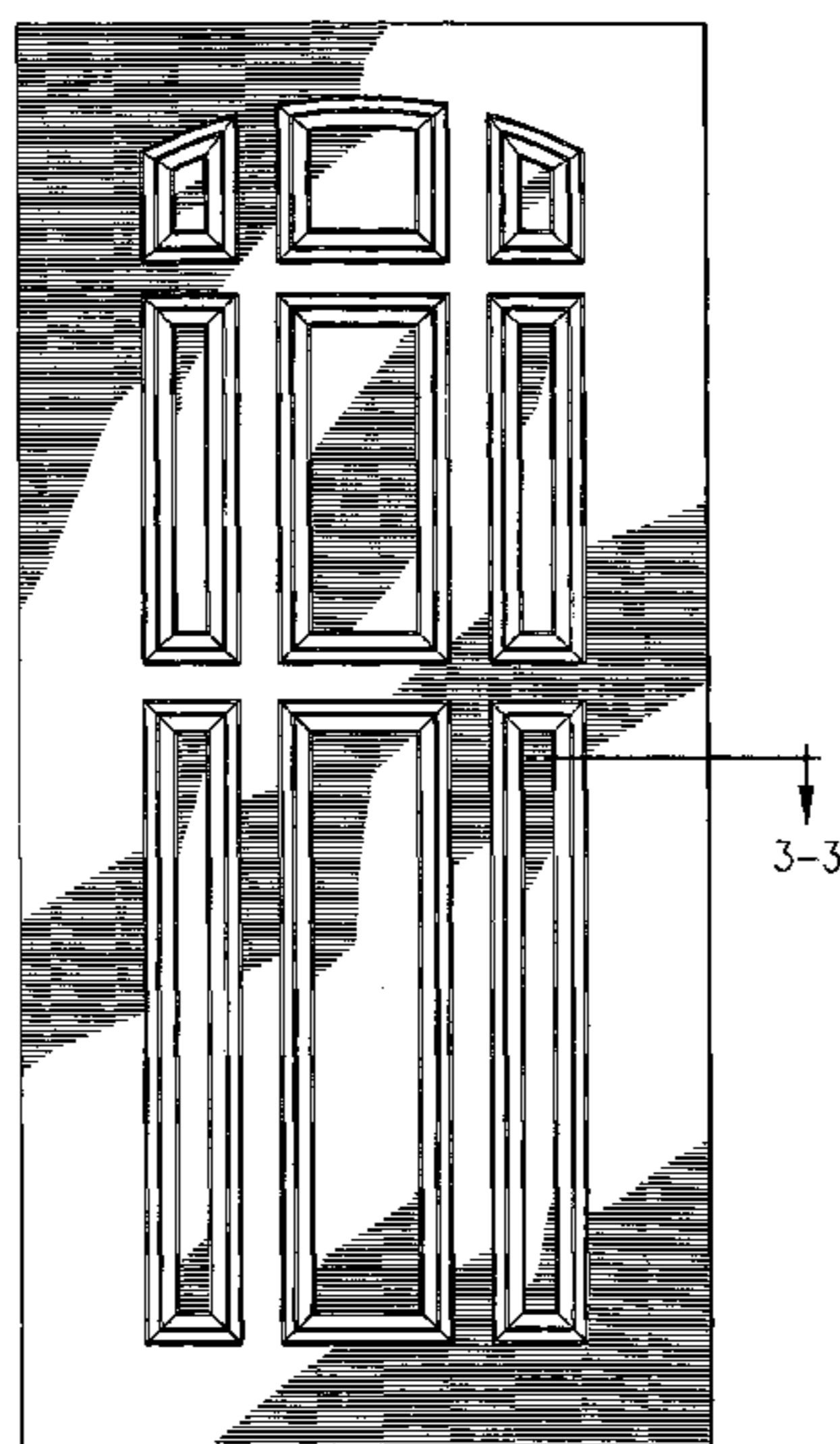
- 619,676 A 2/1899 Cronin
- D132,040 S 4/1942 Cummings
- 2,343,740 A 3/1944 Birmingham
- 2,682,083 A 6/1954 Patton
- 2,831,793 A 4/1958 Elmendorf
- D192,073 S * 1/1962 Jackson D25/48
- 3,098,781 A 7/1963 Greten
- 3,121,263 A 2/1964 Binner
- 3,212,948 A 10/1965 McMahon
- 3,308,013 A 3/1967 Bryant
- 3,512,304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

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



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U.S. PATENT DOCUMENTS

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
 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.
 4,811,537 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

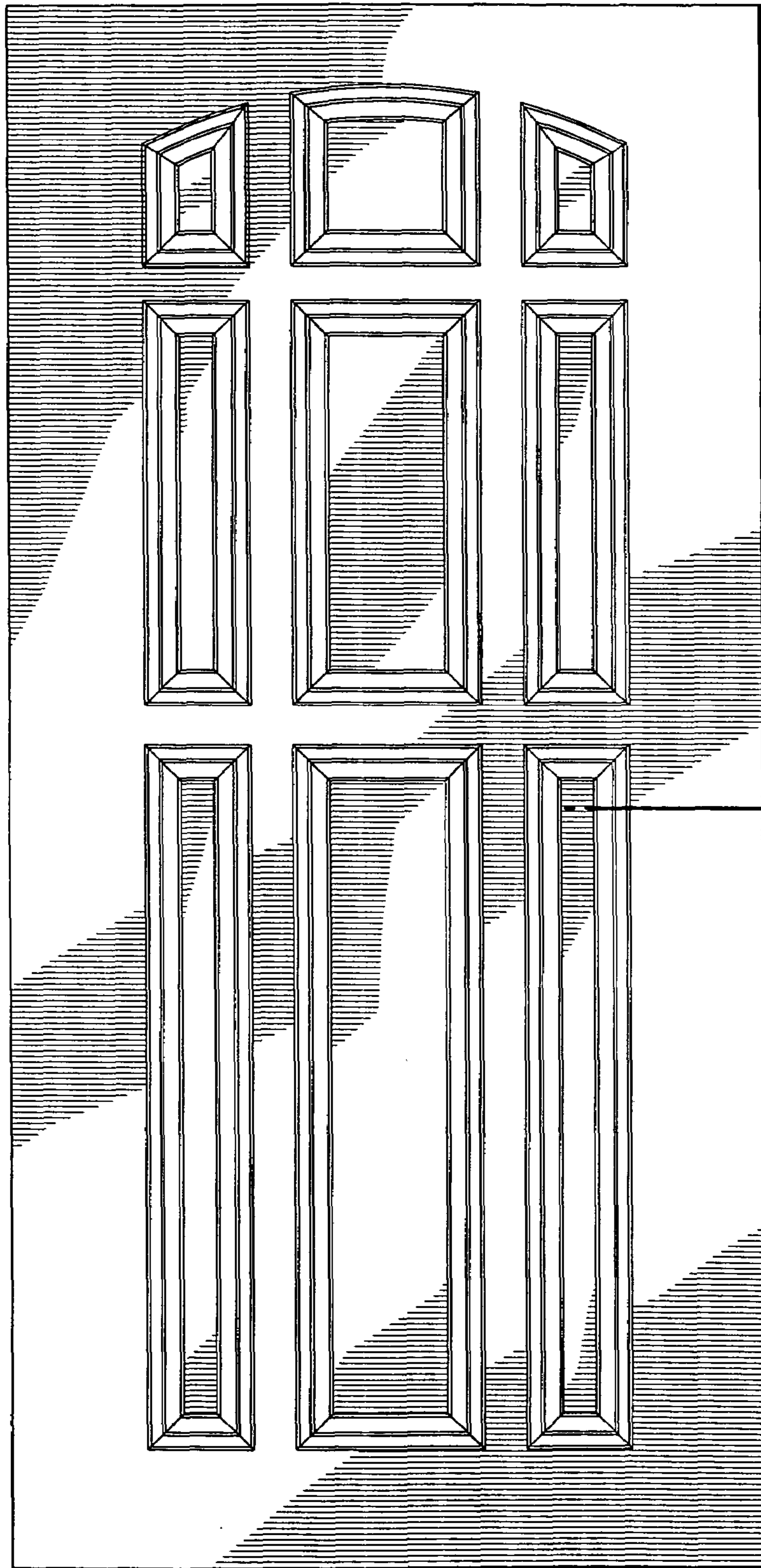


FIG. 1

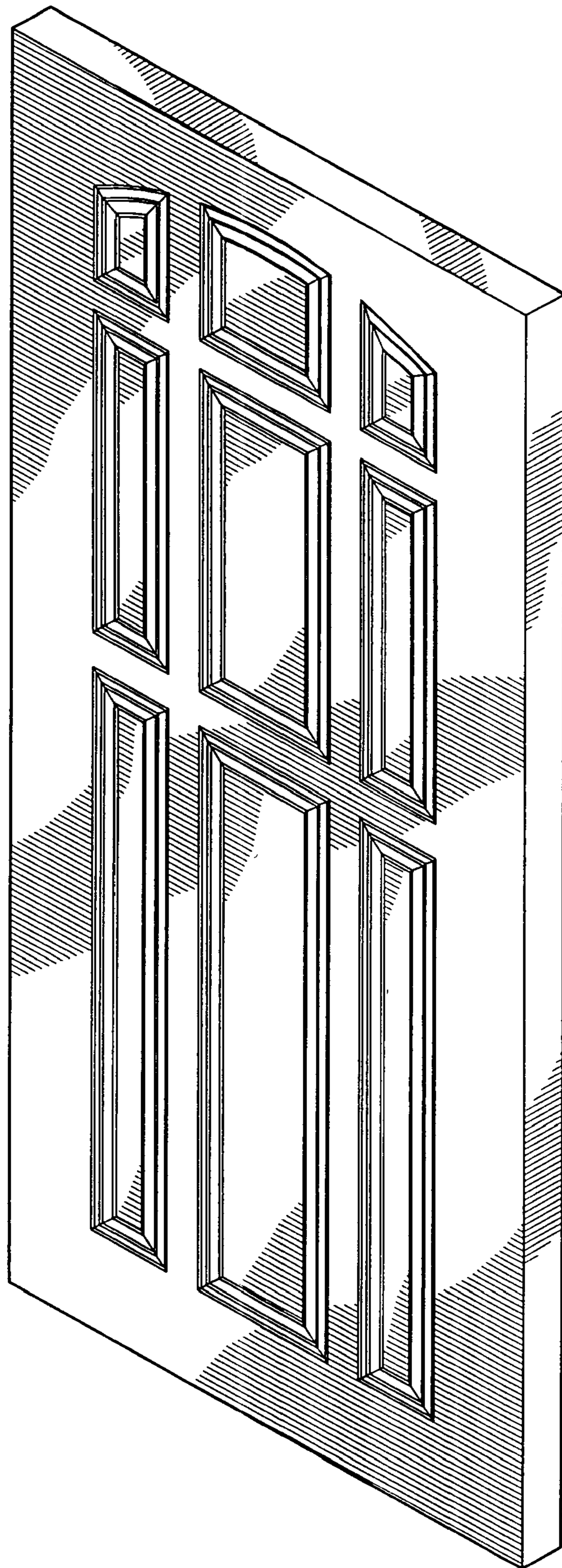


FIG.2

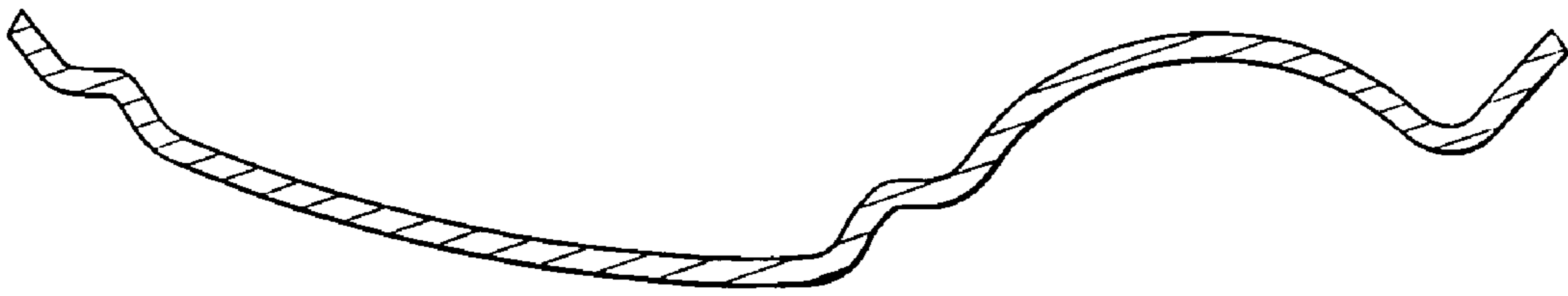


FIG. 3