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# United States Patent [19]

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Gladfelter et al.

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[54] **CHEMICAL DETERGENT BLOCK**

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3,925,225 12/1975 Morrison ..... 252/90  
 4,569,780 2/1986 Fernholz et al. .... 252/90  
 4,683,072 7/1987 Holdt et al. .... 252/102  
 4,835,804 6/1989 Arnau-Munoz et al. .... 8/158  
 4,906,122 3/1990 Barrett et al. .... 403/305  
 4,942,973 7/1990 Bowie ..... 220/201  
 4,944,165 7/1990 Leebeck et al. .... 206/0.5  
 5,122,158 6/1992 Kuroda et al. .... 252/90  
 5,133,892 7/1992 Chun et al. .... 252/90

[73] Assignee: **Ecolab Inc., St. Paul, Minn.**

[\*\*] Term: **14 Years**

[21] Appl. No.: **699,946**

[22] Filed: **May 14, 1991**

[52] U.S. Cl. .... **D23/207; D28/8.1; D24/101**

[58] Field of Search ..... **D23/207; D28/8.1; D24/100-104; 252/90, 92, 134, 174, DIG. 2, DIG. 3; 434/278; 206/0.5, 524.1; 405/305**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 283,649 4/1986 Casberg ..... D23/207  
 D. 285,729 9/1986 Tovey ..... D24/101  
 D. 304,244 10/1989 Tovey ..... D28/8.1  
 683,181 9/1901 Mereness ..... 250/90  
 692,481 2/1902 Robinson ..... 252/90  
 1,267,949 5/1918 Williams ..... 252/90

**FOREIGN PATENT DOCUMENTS**

0245760 6/1987 European Pat. Off. .

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[57] **CLAIM**

The ornamental design for a chemical detergent block, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a chemical block showing our new design;  
 FIG. 2 is a top plan view thereof; and,  
 FIG. 3 is a side elevational view thereof all other sides are mirror images of that shown.  
 The bottom is flat and unornamented.

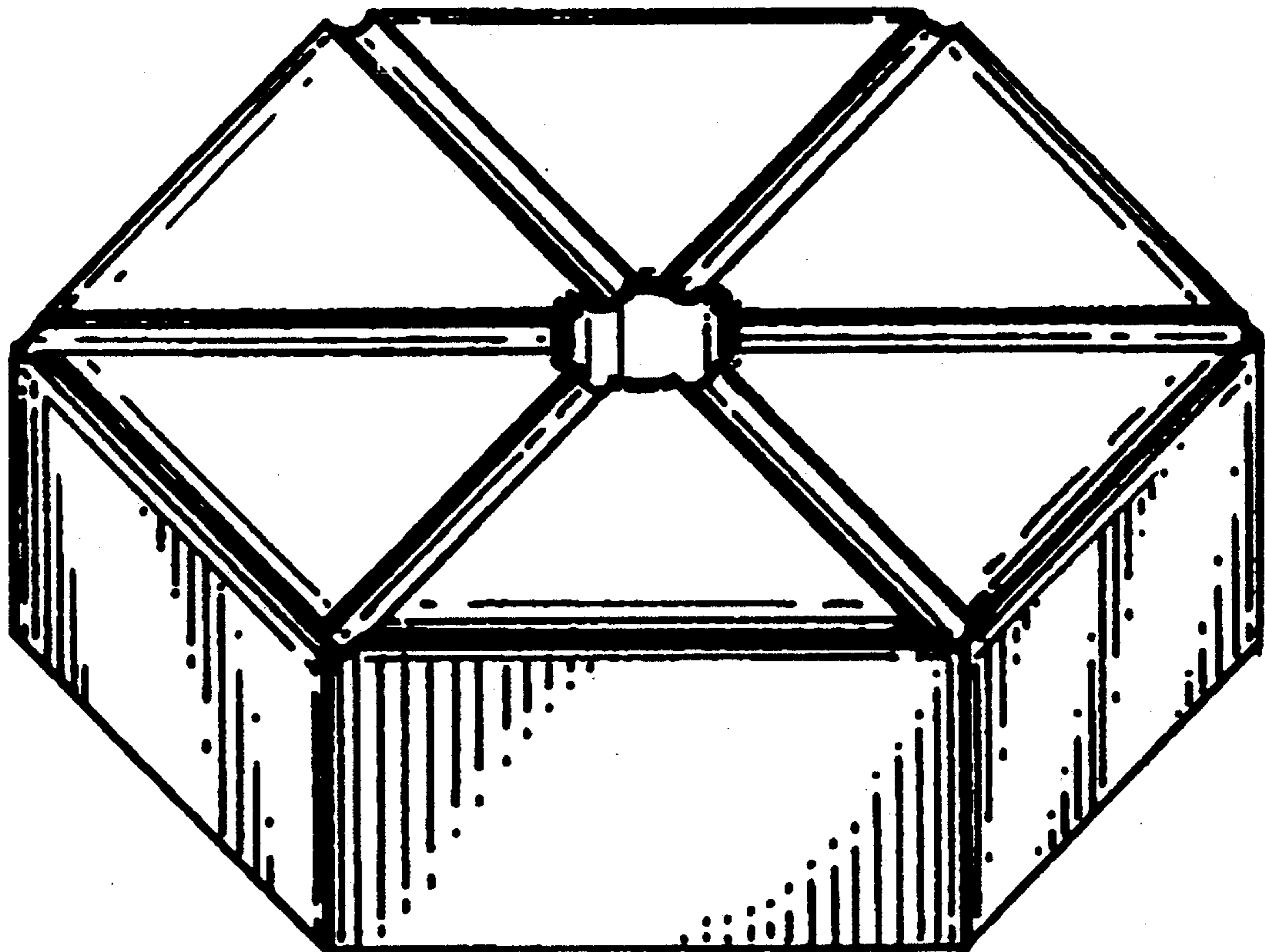


FIG. 1

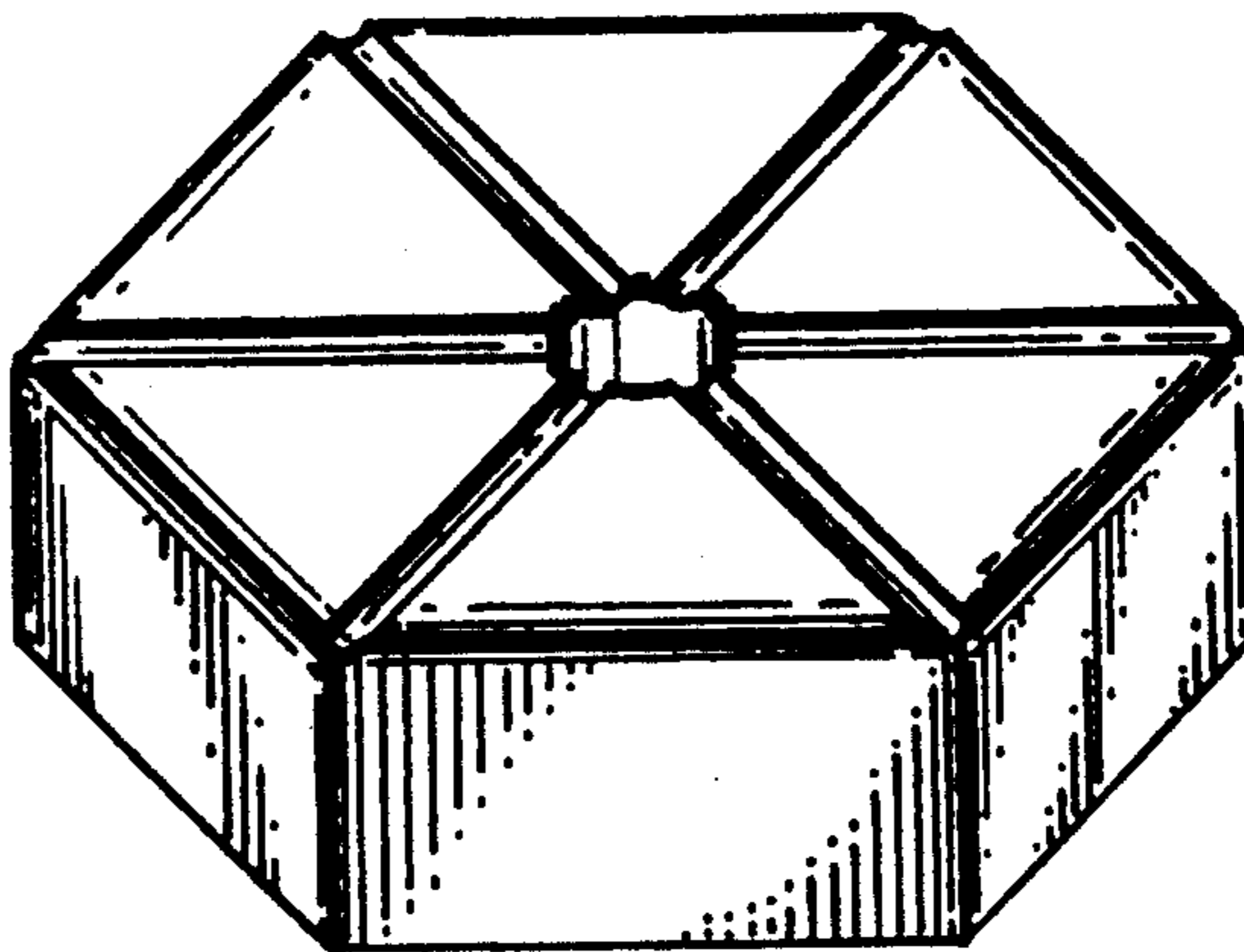


FIG. 2

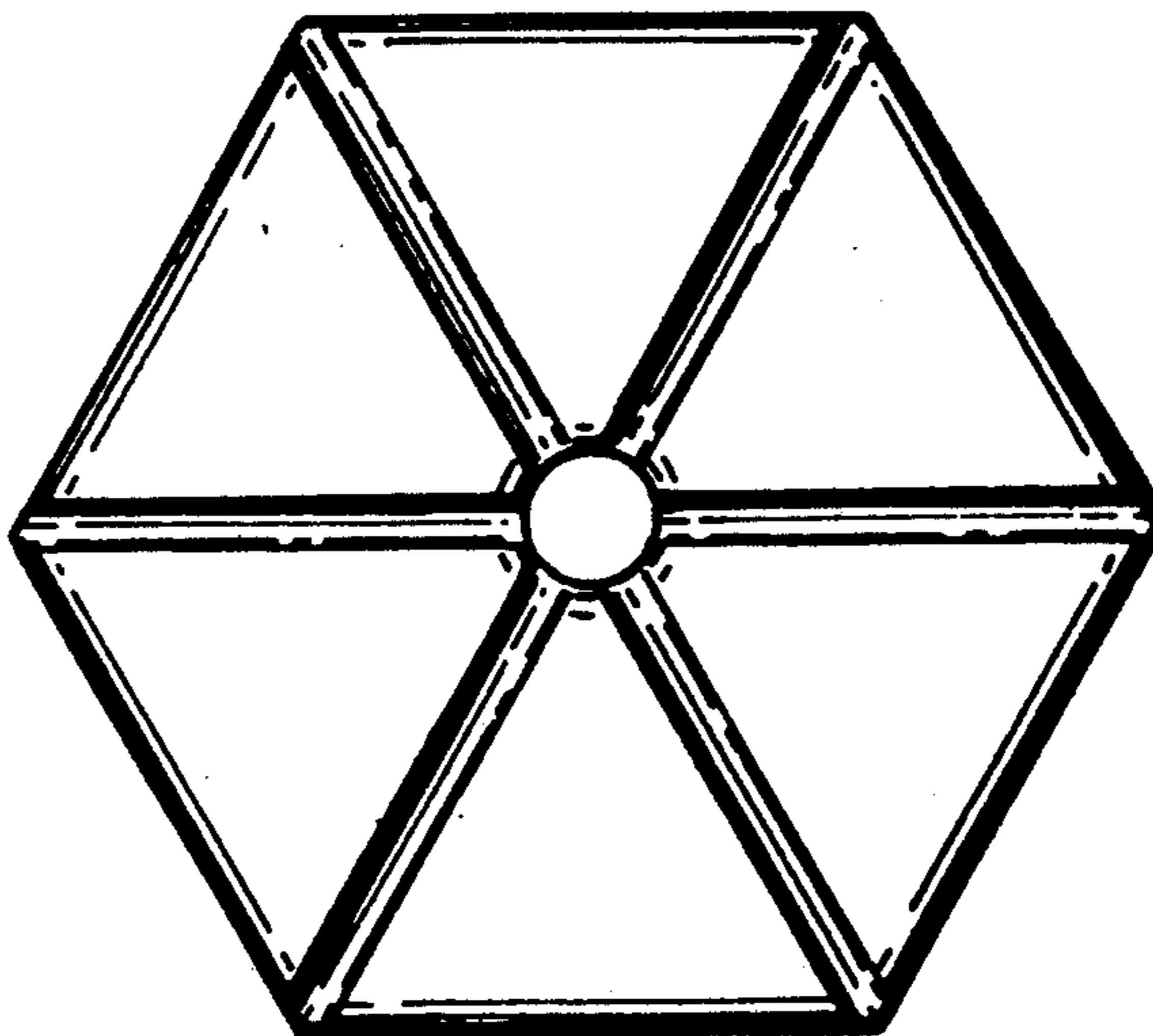


FIG. 3

