

[54] **INSULATOR FOR AN OPEN-COIL  
 ELECTRIC HEATING ELEMENT**

[75] Inventor: **Wayne R. Seeley, Pulaski, Va.**  
 [73] Assignee: **Emerson Electric Co., St. Louis, Mo.**  
 [\*\*] Term: **14 Years**  
 [21] Appl. No.: **86,937**  
 [22] Filed: **Oct. 22, 1979**  
 [51] Int. Cl. .... **D13—03**  
 [52] U.S. Cl. .... **D13/18**  
 [58] Field of Search ..... **D13/17, 18; 219/539,  
 219/542, 546, 532; 174/138 J, 212**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 248,943	8/1978	King	.....	D13/18
1,597,900	8/1926	Keene	.....	13/25
1,695,801	12/1928	Dibble	.....	219/532
2,490,139	12/1949	Kuene	.....	219/19
2,498,842	2/1950	Kuene	.....	219/19
2,764,626	9/1956	Teichroew	.....	174/174
3,846,619	11/1974	Wightman et al.	.....	174/138 J X
3,935,376	1/1976	Cooper et al.	.....	174/138 J

*Primary Examiner—A. Hugo Word*  
*Attorney, Agent, or Firm—Michael Williams*

[57] **CLAIM**

The ornamental design of an insulator for an open-coil electric heating element, substantially as shown and described.

**DESCRIPTION**

FIG. 1 is an enlarged, perspective view of an insulator for an open-coil electric heating element, showing my new design, the insulator being usable in double-stack heater constructions wherein upper and lower coil reaches are supported from the top and bottom portions of the insulator.  
 FIG. 2 is a plan view of one side thereof, the opposite side being a mirror image.  
 FIG. 3 is an elevational view of one end thereof, the opposite end being a mirror image.  
 FIG. 4 is an elevational view looking from the top of FIG. 2.  
 FIG. 5 is an elevational view looking from the bottom of FIG. 2.  
 FIG. 6 is a perspective view of another embodiment of my new design and consists of the upper portion of the insulator shown in FIGS. 1, 2 and 3, for use in single-stack heater constructions.  
 FIG. 7 is an enlarged perspective view of an insulator for an open coil electric heating element, showing another embodiment of my new design.  
 FIG. 8 is a plan view of one side thereof, the opposite side being a mirror image.  
 FIG. 9 is an elevational view of one end thereof, the opposite end being a mirror image.  
 FIG. 10 is an elevational view looking from the top of FIG. 8.  
 FIG. 11 is an elevational view looking from the bottom of FIG. 8.  
 FIG. 12 is a perspective view of another embodiment of my new design and consists of the upper portion of the insulator shown in FIGS. 7, 8 and 9, for use in single-stack heater constructions.

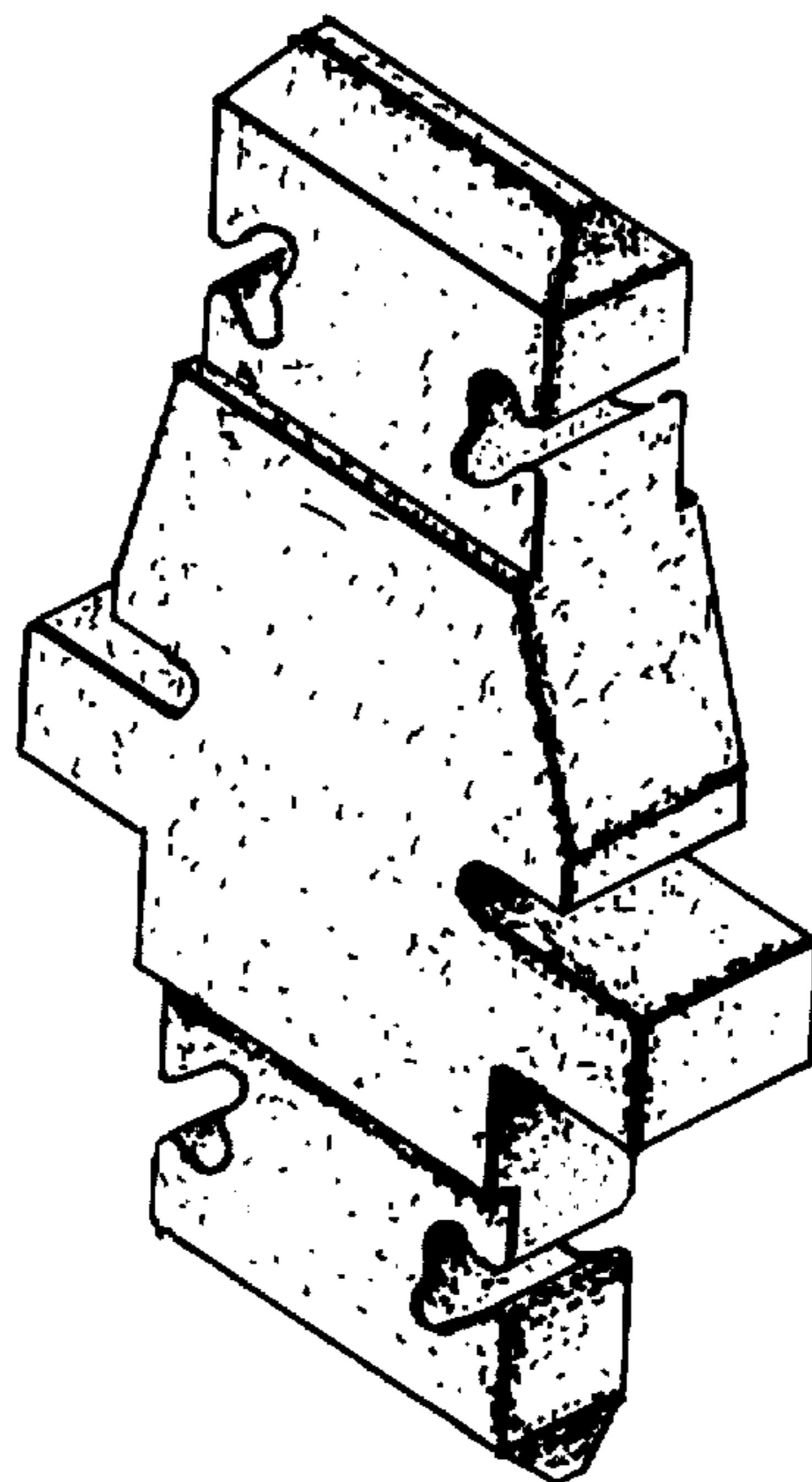


FIG. 1.

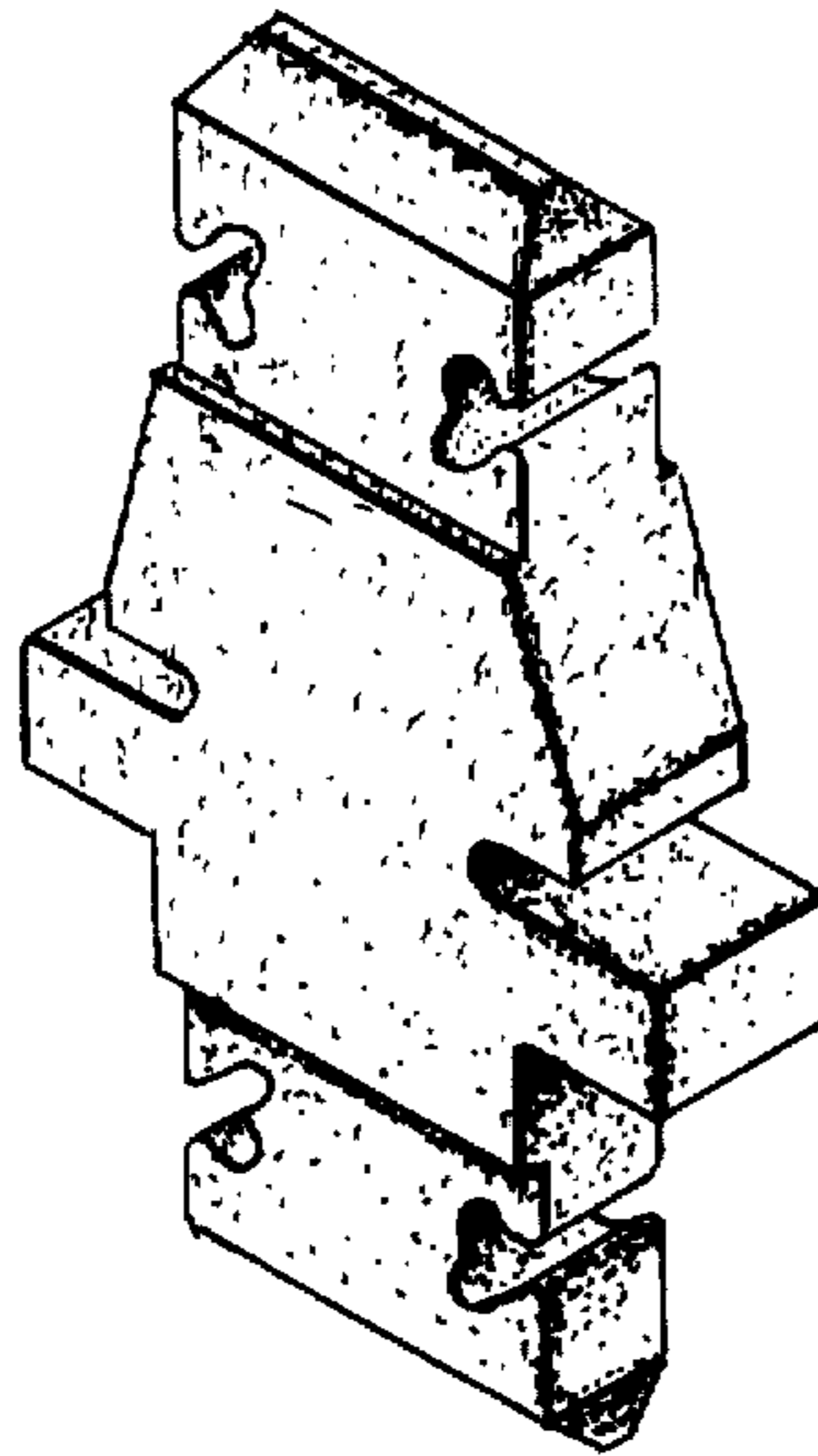


FIG. 2.

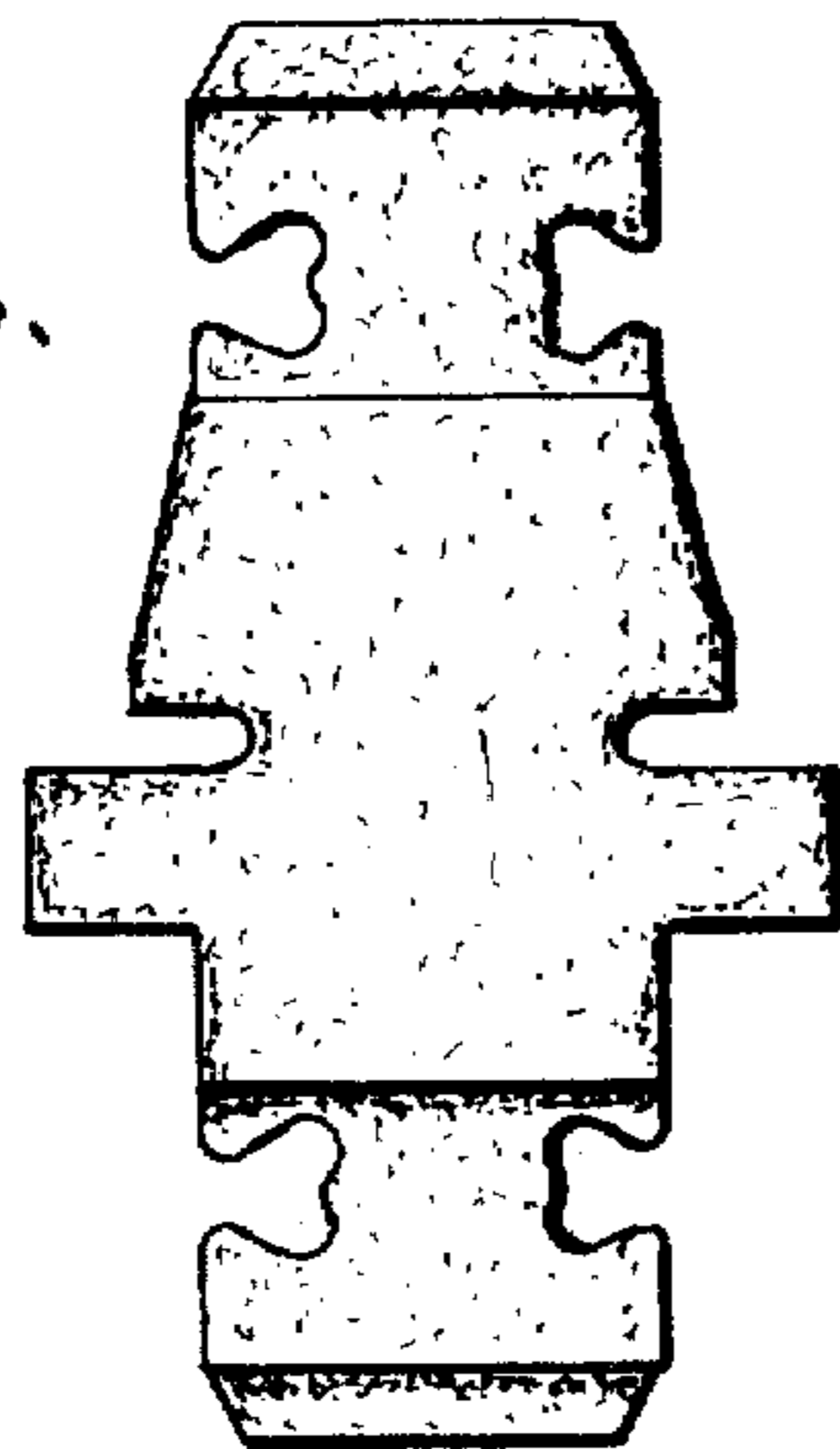


FIG. 3.

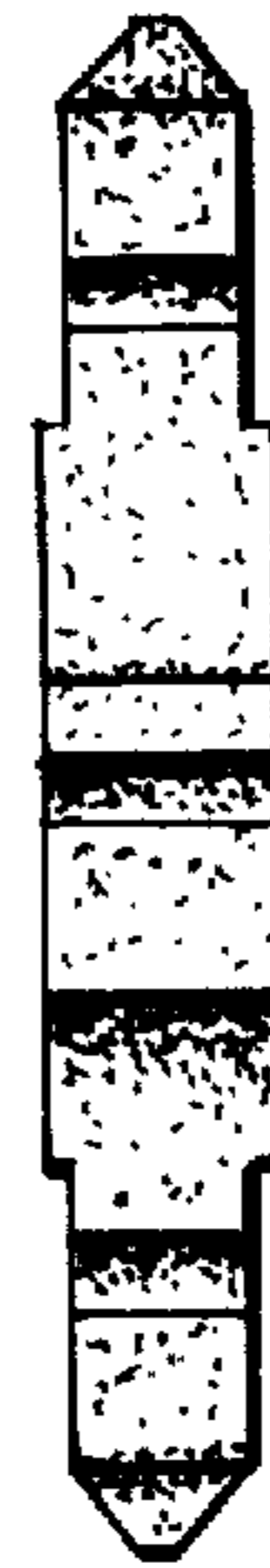


FIG. 4.

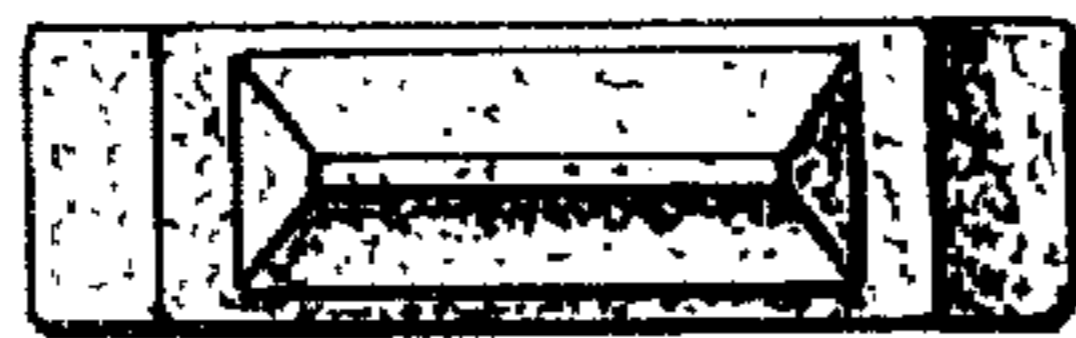


FIG. 5.

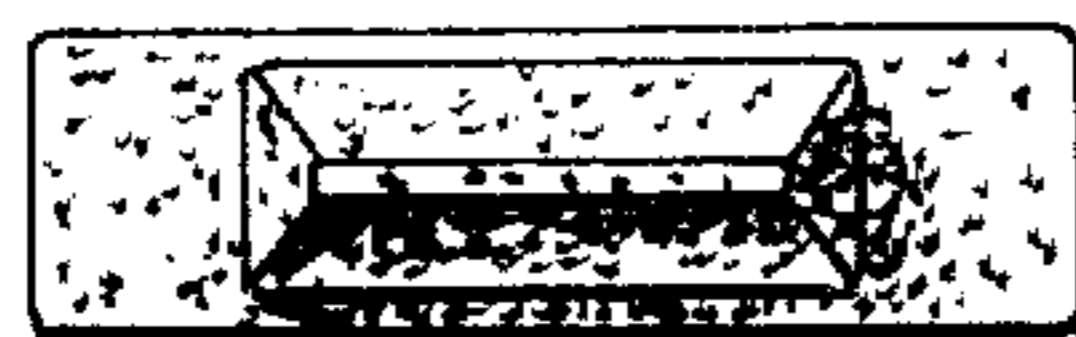


FIG. 6.

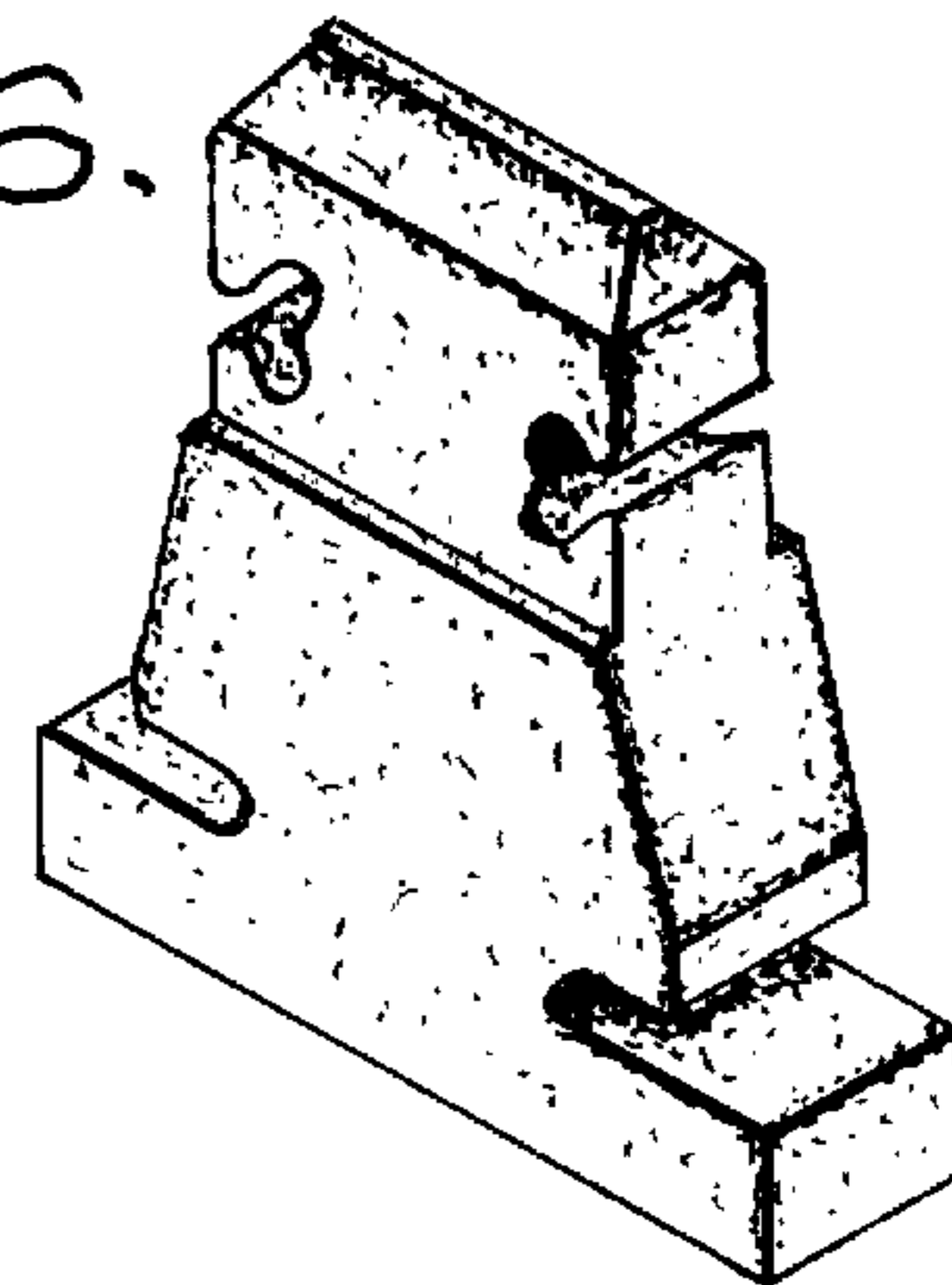


FIG. 7.

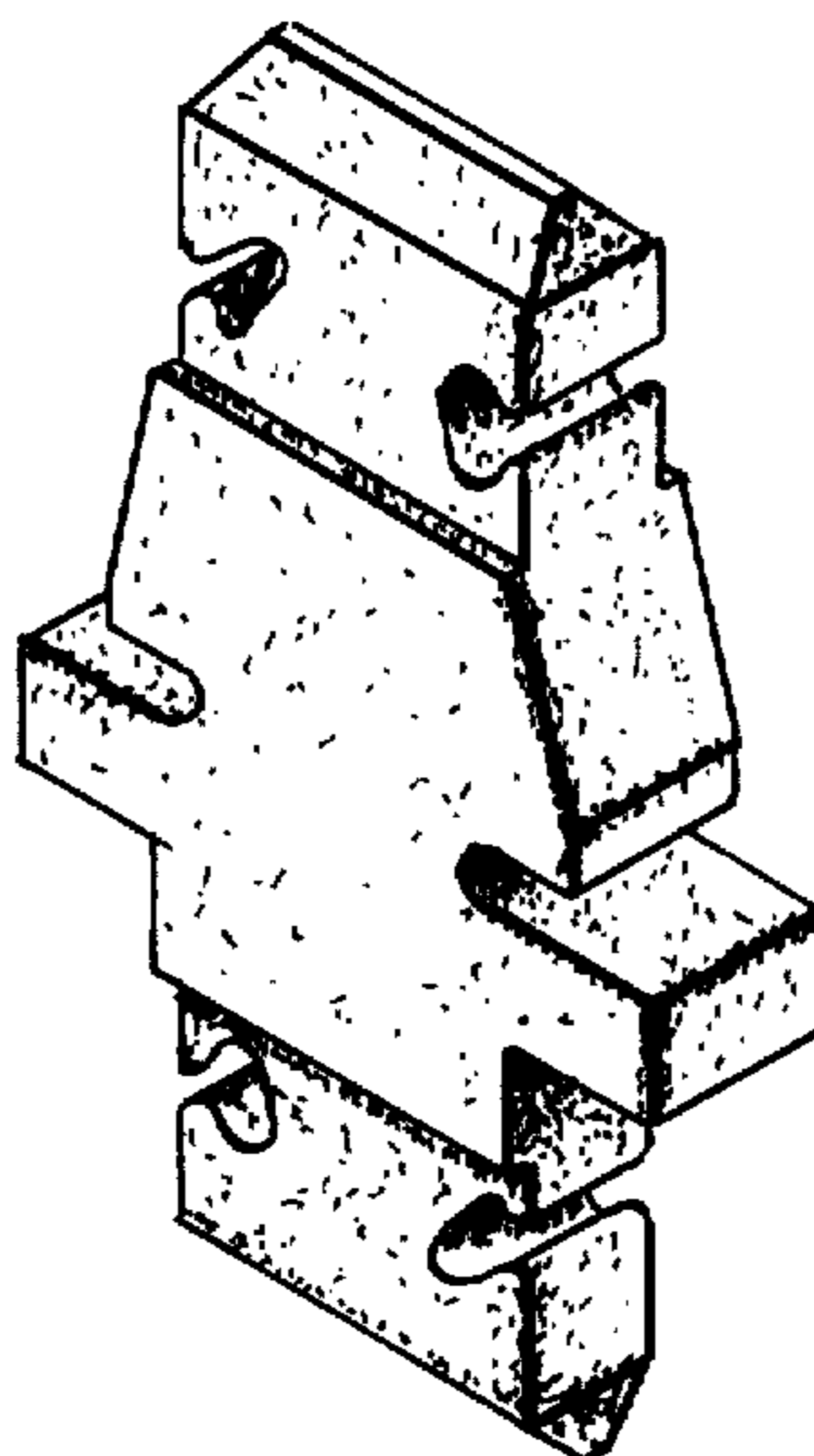


FIG. 8.

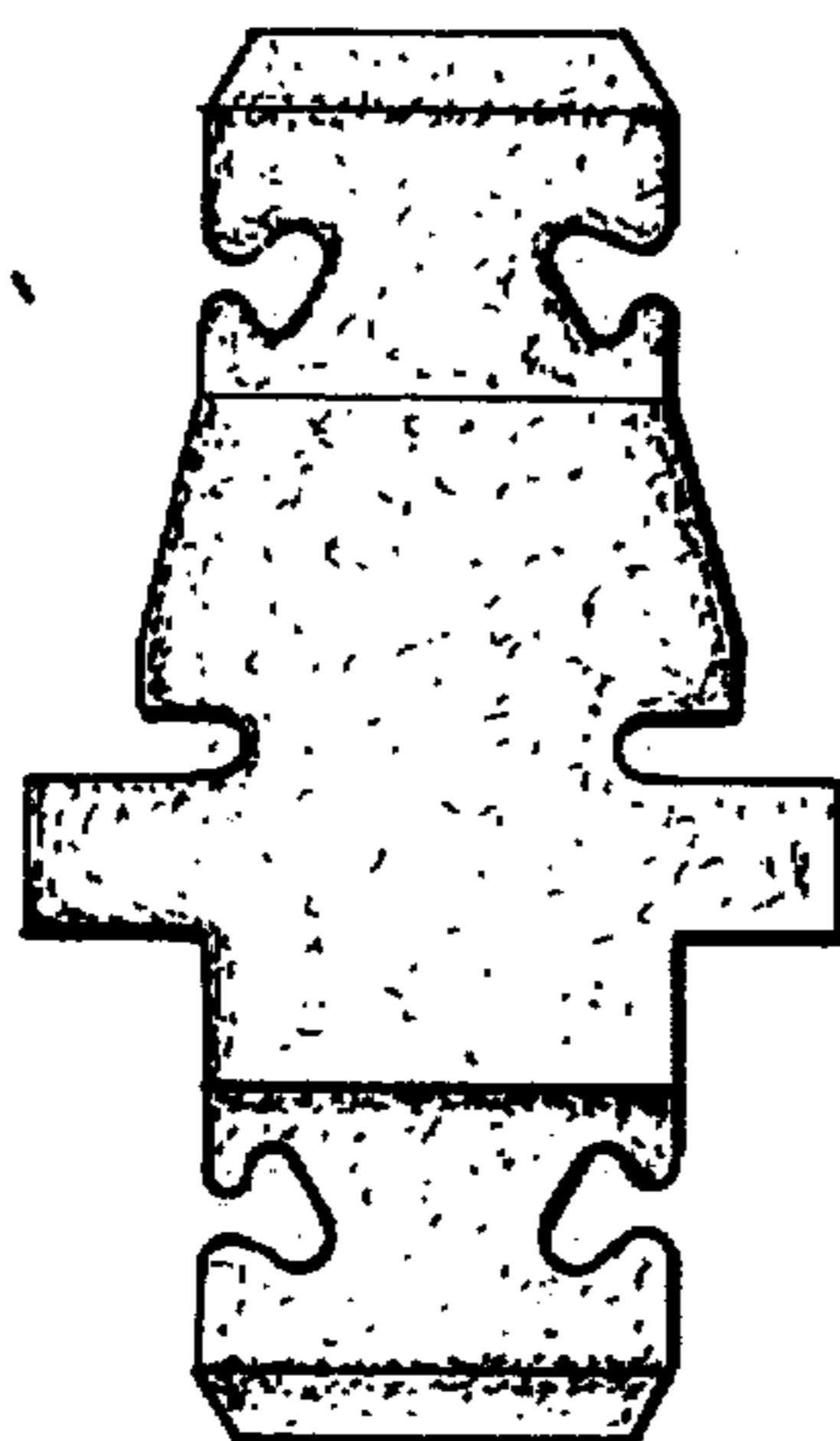


FIG. 9.

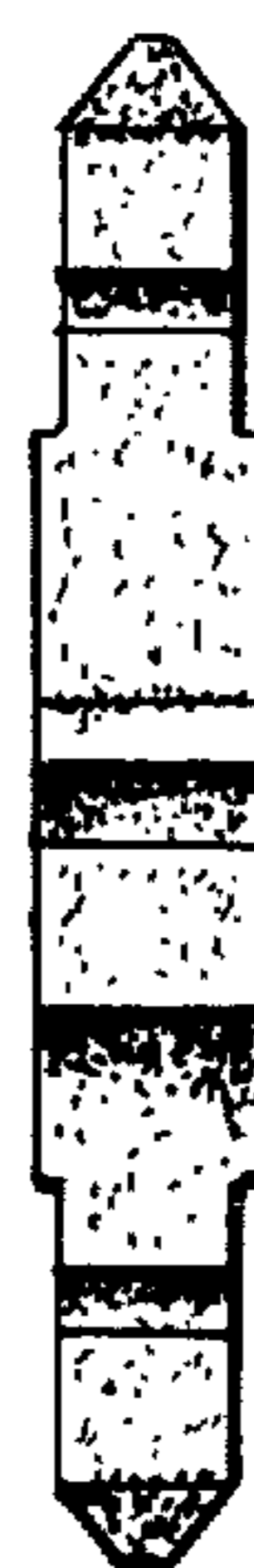


FIG. 10.

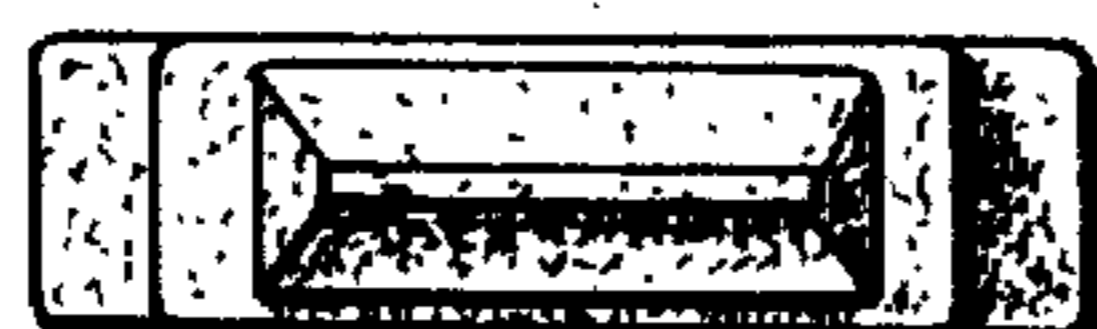


FIG. 11.

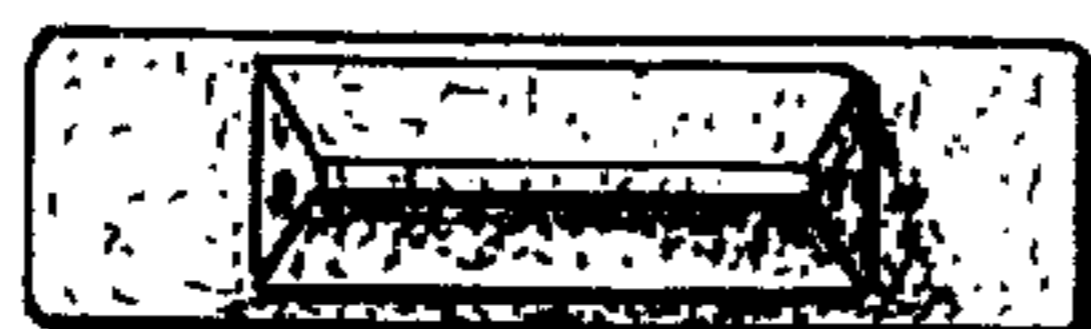


FIG. 12.

