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# United States Patent [19]

Ichikawa et al.

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## [54] SHUTTER FOR MAGNETIC DISC CARTRIDGE

[75] Inventors: Toru Ichikawa; Hiroshi Meguro, both of Tokyo, Japan

[73] Assignee: Sony Corporation, Tokyo, Japan

[\*\*] Term: 14 Years

[21] Appl. No.: 29/105,177

[22] Filed: May 19, 1999

### Related U.S. Application Data

[62] Division of application No. 29/083,488, Feb. 11, 1998.

### [30] Foreign Application Priority Data

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Oct. 13, 1997	[JP]	Japan	9-71184
Oct. 13, 1997	[JP]	Japan	9-71185

[51] LOC (7) Cl. 14-99

[52] U.S. Cl. D14/121

[58] Field of Search D14/120, 121, D14/100, 114; D21/332, 333; 360/132, 133, 135, 137, 60, 129, 900; 369/291, 292, 117; 206/307, 308.1, 308.2, 308.3; 463/44, 46, 47

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Primary Examiner—Prabhakar Deshmukh  
Attorney, Agent, or Firm—Foley & Lardner

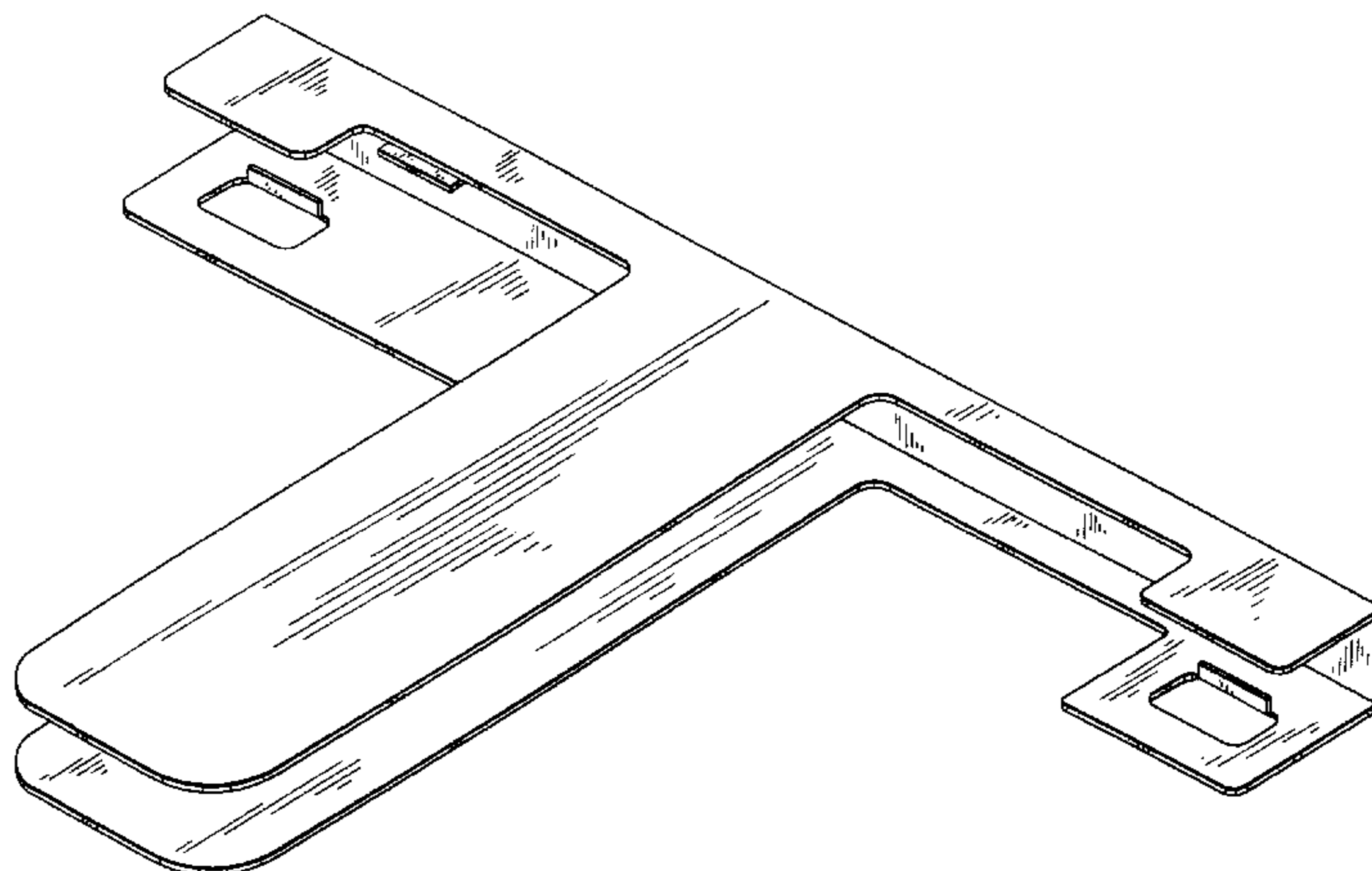
### [57] CLAIM

The ornamental design for a shutter for magnetic disc cartridge, as shown and described.

### DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a shutter for magnetic disc cartridge showing our new design; FIG. 2 is a top plan view thereof; FIG. 3 is a left side elevational view thereof; FIG. 4 is a front elevational view thereof; FIG. 5 is a bottom plan view thereof; FIG. 6 is a right side elevational view thereof; and, FIG. 7 is a rear elevational view thereof. FIG. 8 is a perspective view of a second embodiment of a shutter for magnetic disc cartridge showing our new design; FIG. 9 is a top plan view thereof; FIG. 10 is a left side elevational view thereof; FIG. 11 is a front elevational view thereof; FIG. 12 is a bottom plan view thereof; FIG. 13 is a right side elevational view thereof; and, FIG. 14 is a rear elevational view thereof.

1 Claim, 6 Drawing Sheets



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			914252-3	11/1996	Japan .

FIG. 1

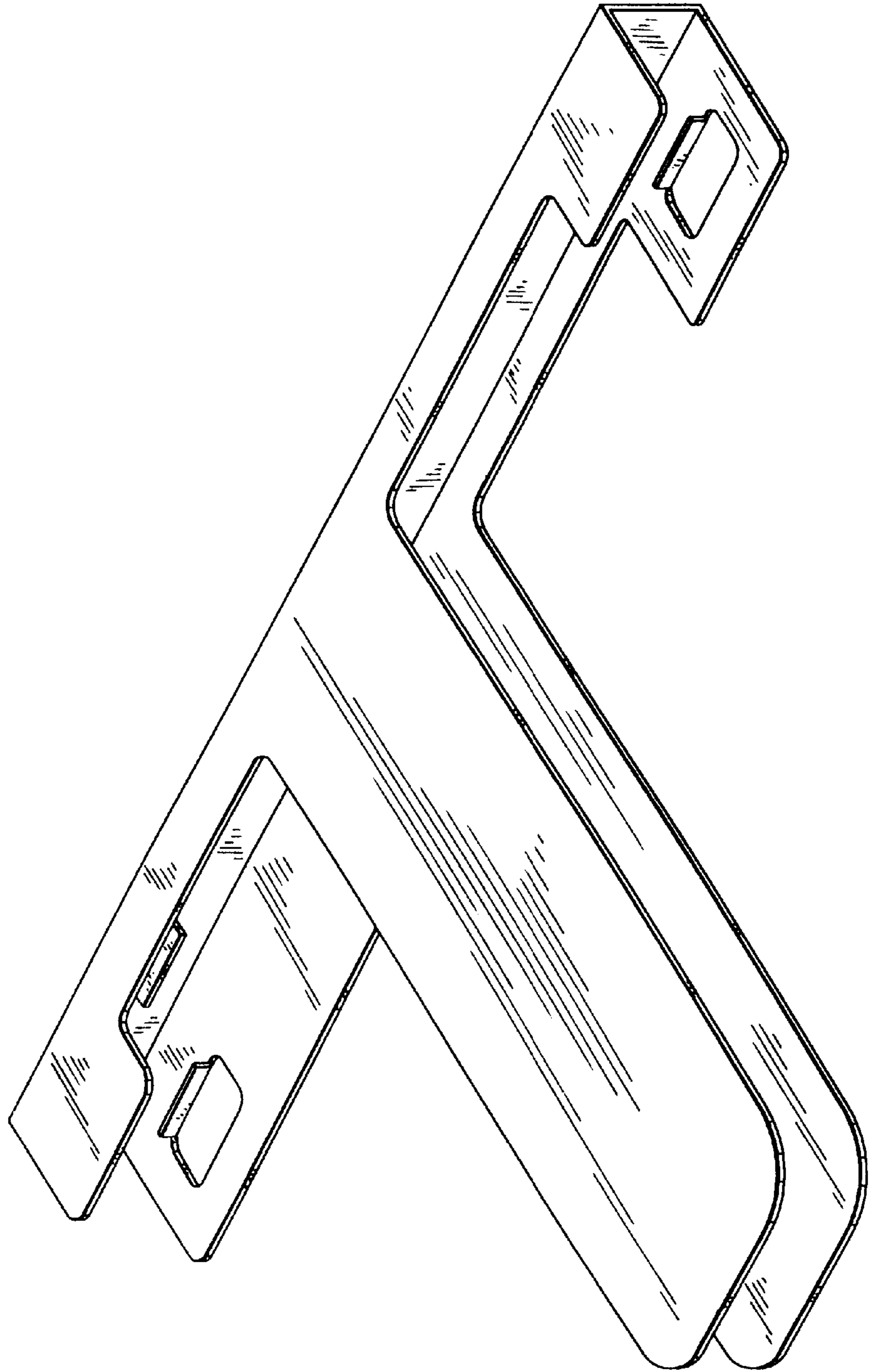


FIG. 2



FIG. 3

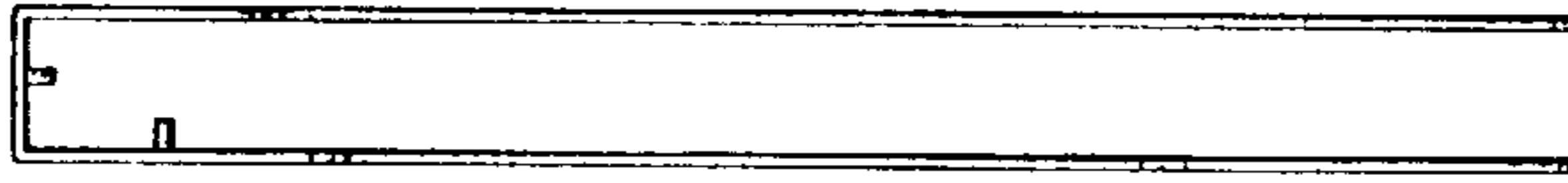


FIG. 6



FIG. 5



FIG. 7

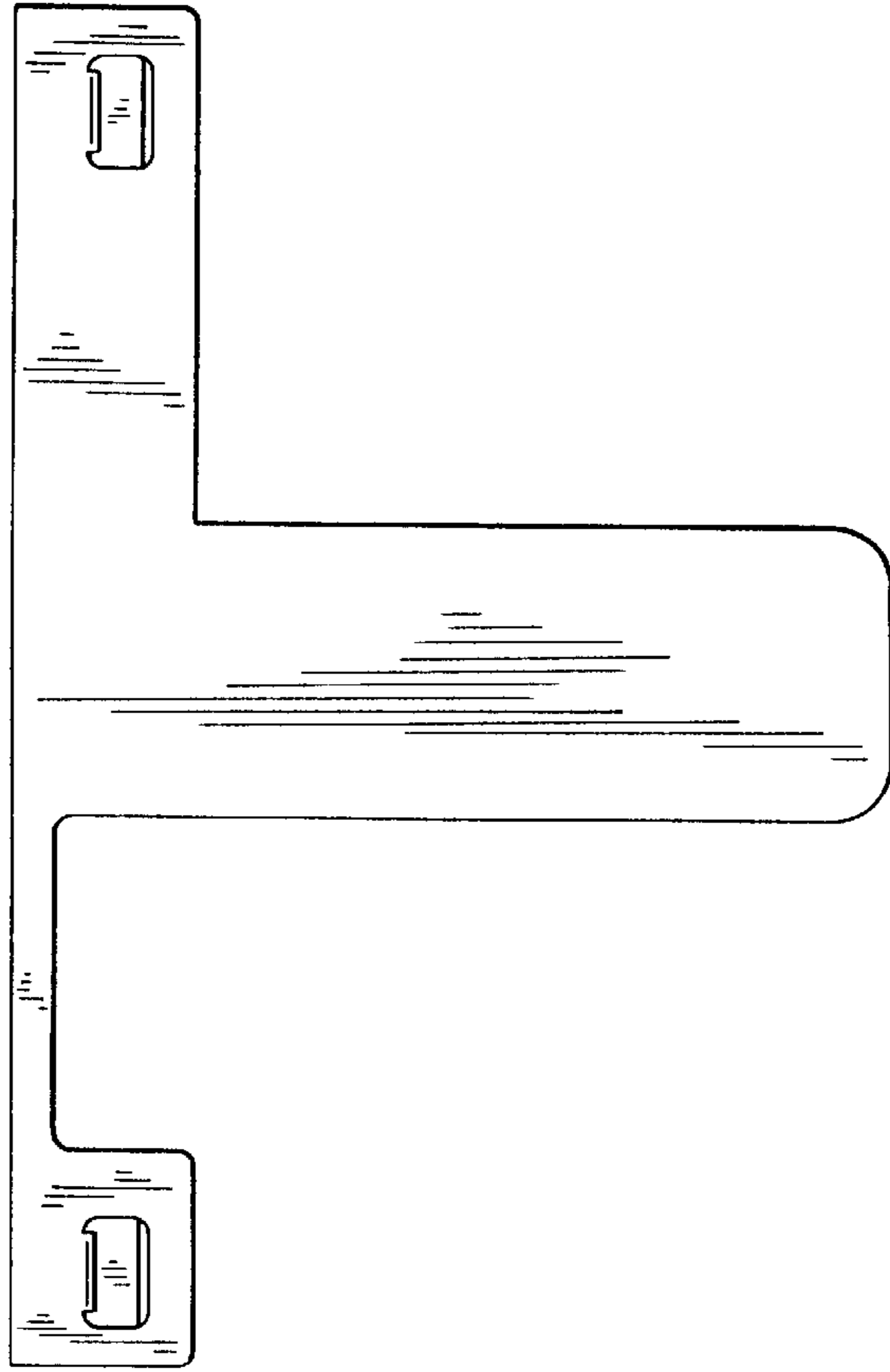


FIG. 4

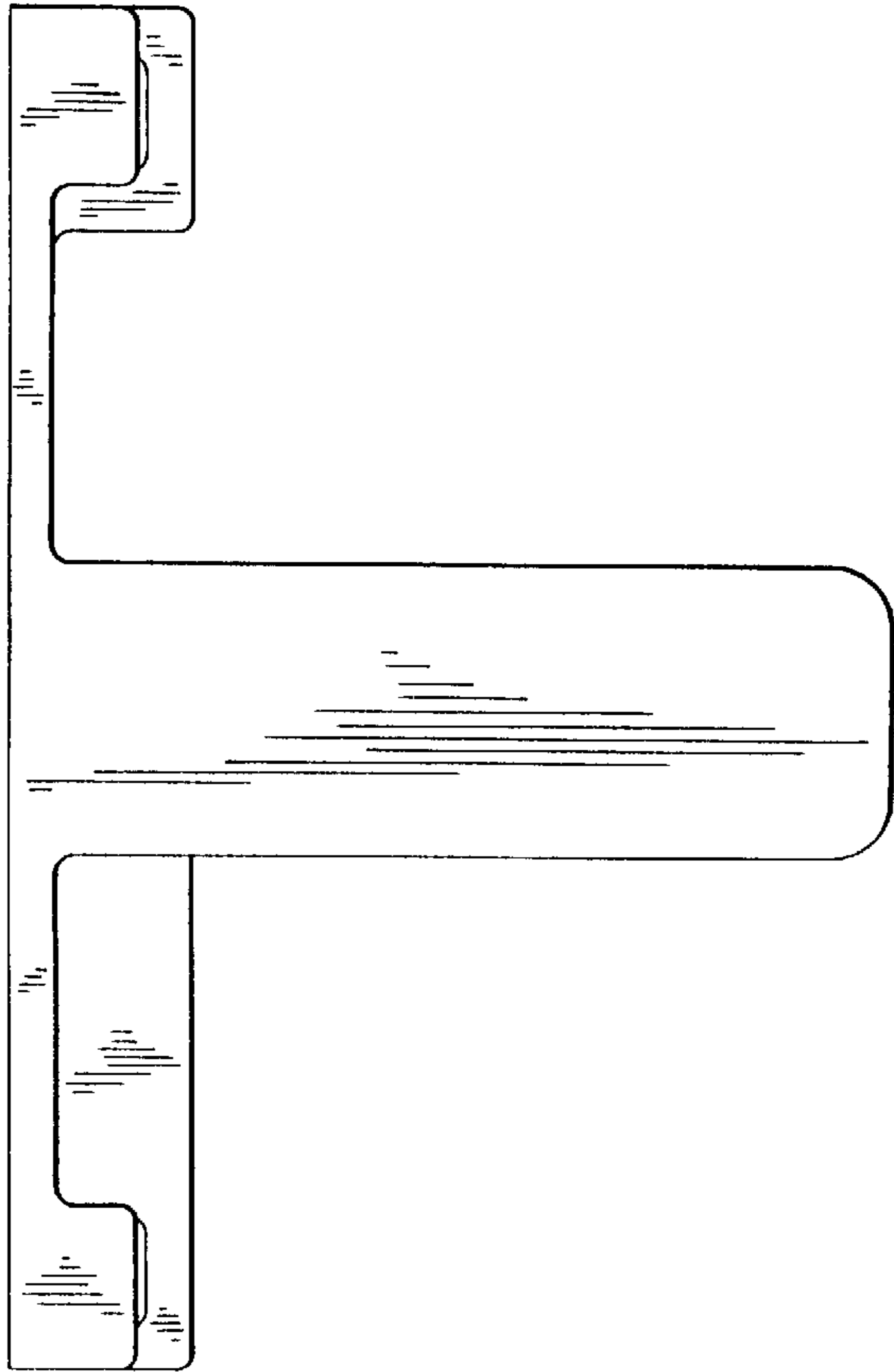


FIG. 8

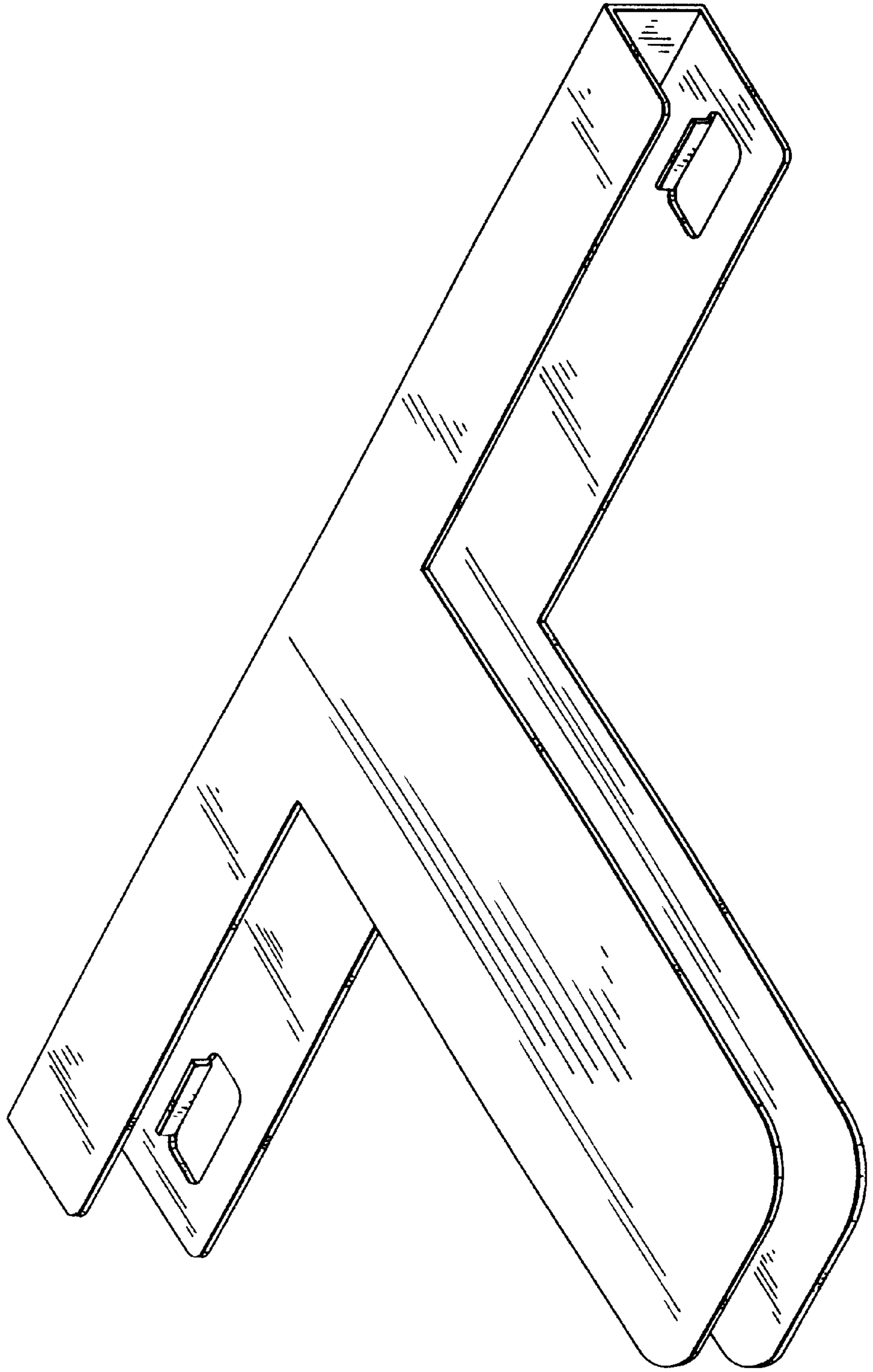


FIG. 9

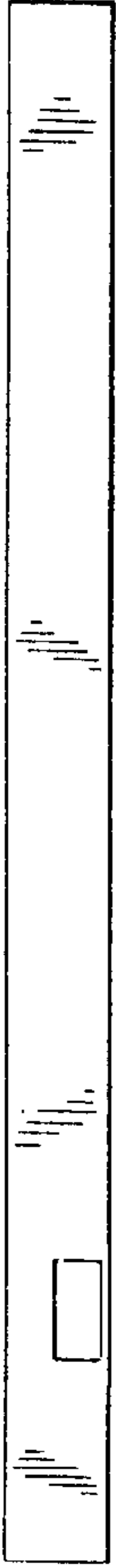


FIG. 10

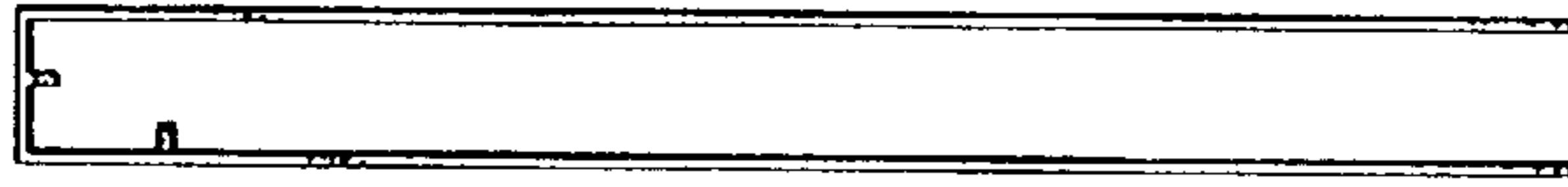


FIG. 13

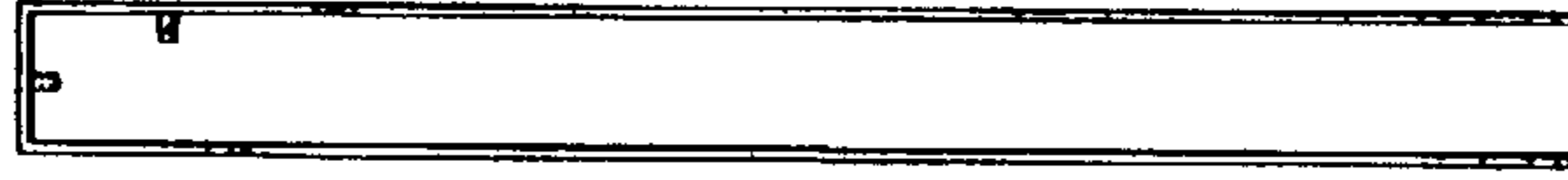


FIG. 12

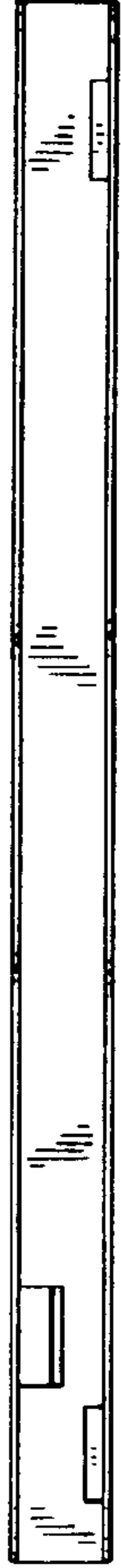


FIG. 14

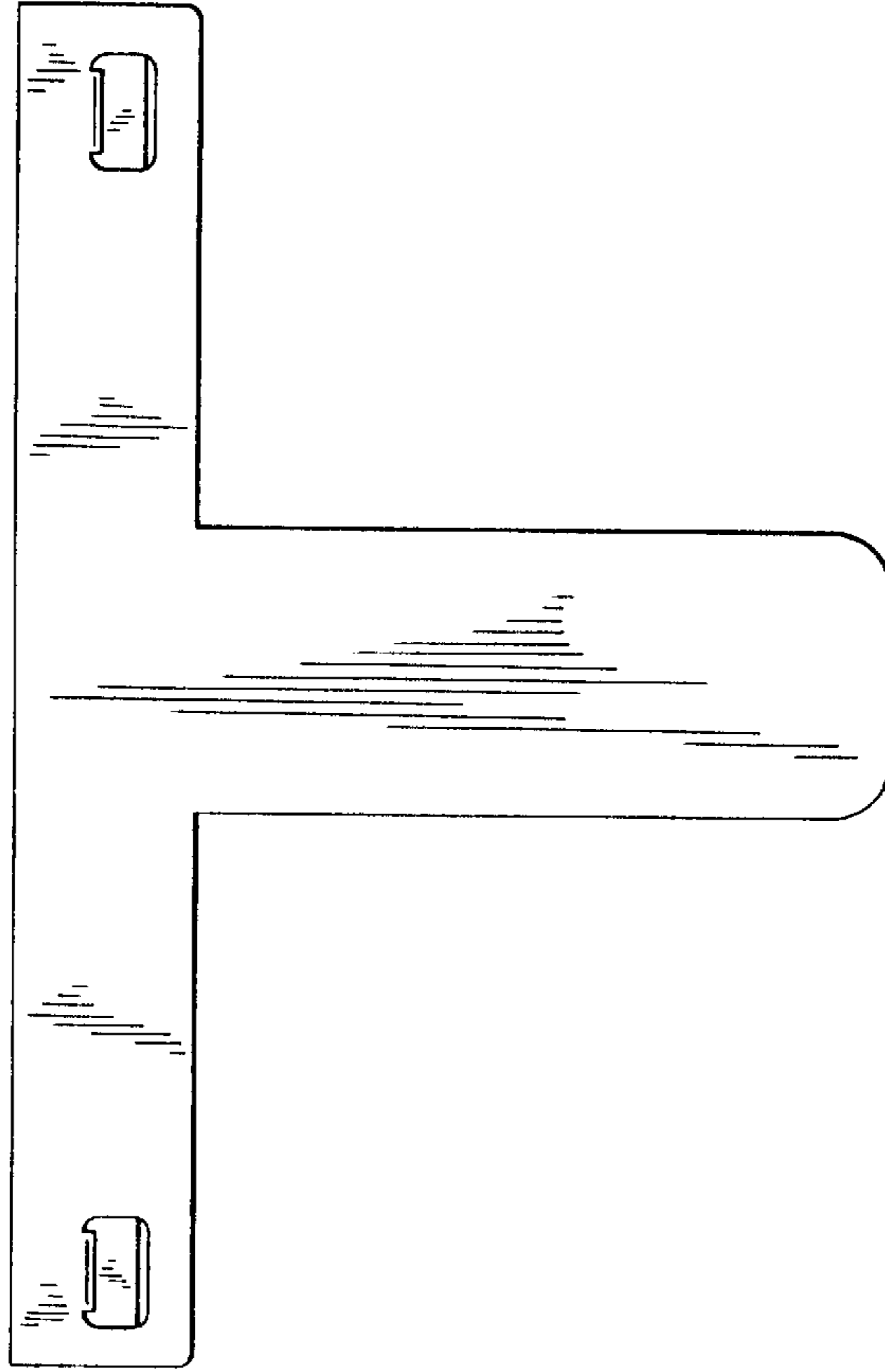


FIG. 11

