



US00D652394S

(12) **United States Design Patent**  
**Fukui et al.**

(10) **Patent No.:** **US D652,394 S**  
(45) **Date of Patent:** **\*\* Jan. 17, 2012**

- (54) **LIGHT EMITTING DIODE**
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- (73) Assignee: **Toyoda Gosei Co., Ltd.**, Kiyosu-shi, Aichi-ken (JP)
- (\*\*) Term: **14 Years**

Japanese Office Action dated Mar. 4, 2011 with a partial English translation.

\* cited by examiner

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- (21) Appl. No.: **29/371,489**
- (22) Filed: **Mar. 21, 2011**
- (30) **Foreign Application Priority Data**
- Sep. 22, 2010 (JP) ..... D2010-022730
- Feb. 9, 2011 (JP) ..... D2011-002799
- (51) **LOC (9) Cl.** ..... **13-03**
- (52) **U.S. Cl.** ..... **D13/180**
- (58) **Field of Classification Search** ..... D13/180;  
257/79, 80, 81, 88, 89, 95, 98, 99, 100, E33.058;  
313/483, 498, 500; 362/555, 800  
See application file for complete search history.

(57) **CLAIM**  
The ornamental design for a light emitting diode, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a first embodiment of a light emitting diode showing our new design;  
 FIG. 2 is a rear perspective view thereof;  
 FIG. 3 is a front view thereof;  
 FIG. 4 is a rear view thereof;  
 FIG. 5 is a top plan view thereof;  
 FIG. 6 is a bottom view thereof;  
 FIG. 7 is a right side view thereof;  
 FIG. 8 is a cross sectional view taken along line 8-8 in FIG. 3;  
 FIG. 9 is a cross sectional view taken along line 9-9 in FIG. 3;  
 FIG. 10 is a reference front view showing transparent portion thereof;  
 FIG. 11 is a front perspective view of a second embodiment of a light emitting diode showing our new design;  
 FIG. 12 is a rear perspective view thereof;  
 FIG. 13 is a front view thereof;  
 FIG. 14 is a rear view thereof;  
 FIG. 15 is a top plan view thereof;  
 FIG. 16 is a bottom view thereof;  
 FIG. 17 is a right side view thereof;  
 FIG. 18 is an end view taken along line 18-18 in FIG. 13;  
 FIG. 19 is an end view taken along line 19-19 in FIG. 13; and,  
 FIG. 20 is a reference front view showing transparent portion thereof.

Since the left side view of the first embodiment is symmetrical to the right side view thereof, the left side view is omitted. Since the left side view of the second embodiment is symmetrical to the right side view thereof, the left side view is omitted.

The broken lines are shown for illustrative purposes only and form no part of the claimed design.

- (56) **References Cited**
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**OTHER PUBLICATIONS**

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**1 Claim, 20 Drawing Sheets**

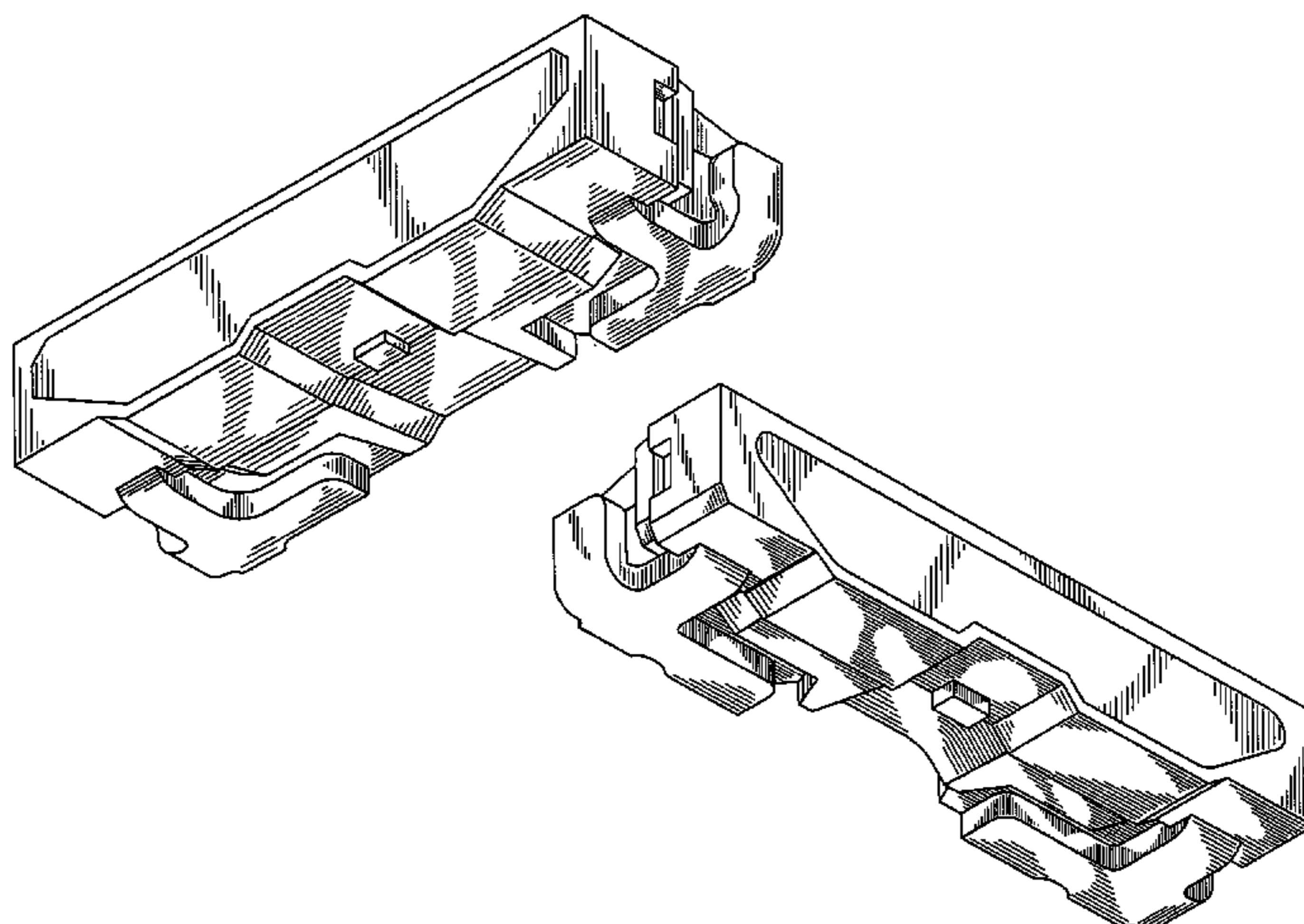


FIG. 1

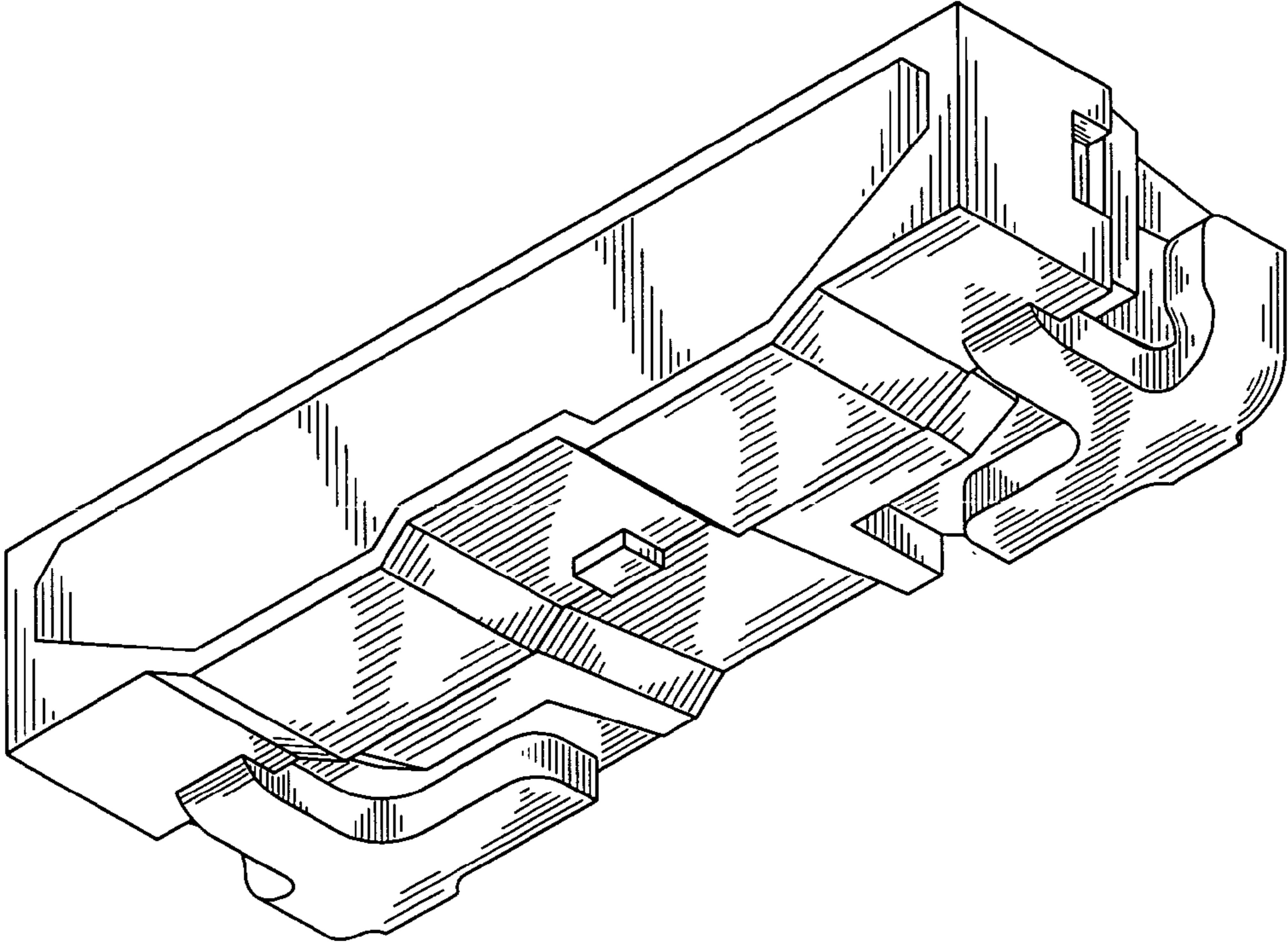


FIG. 2

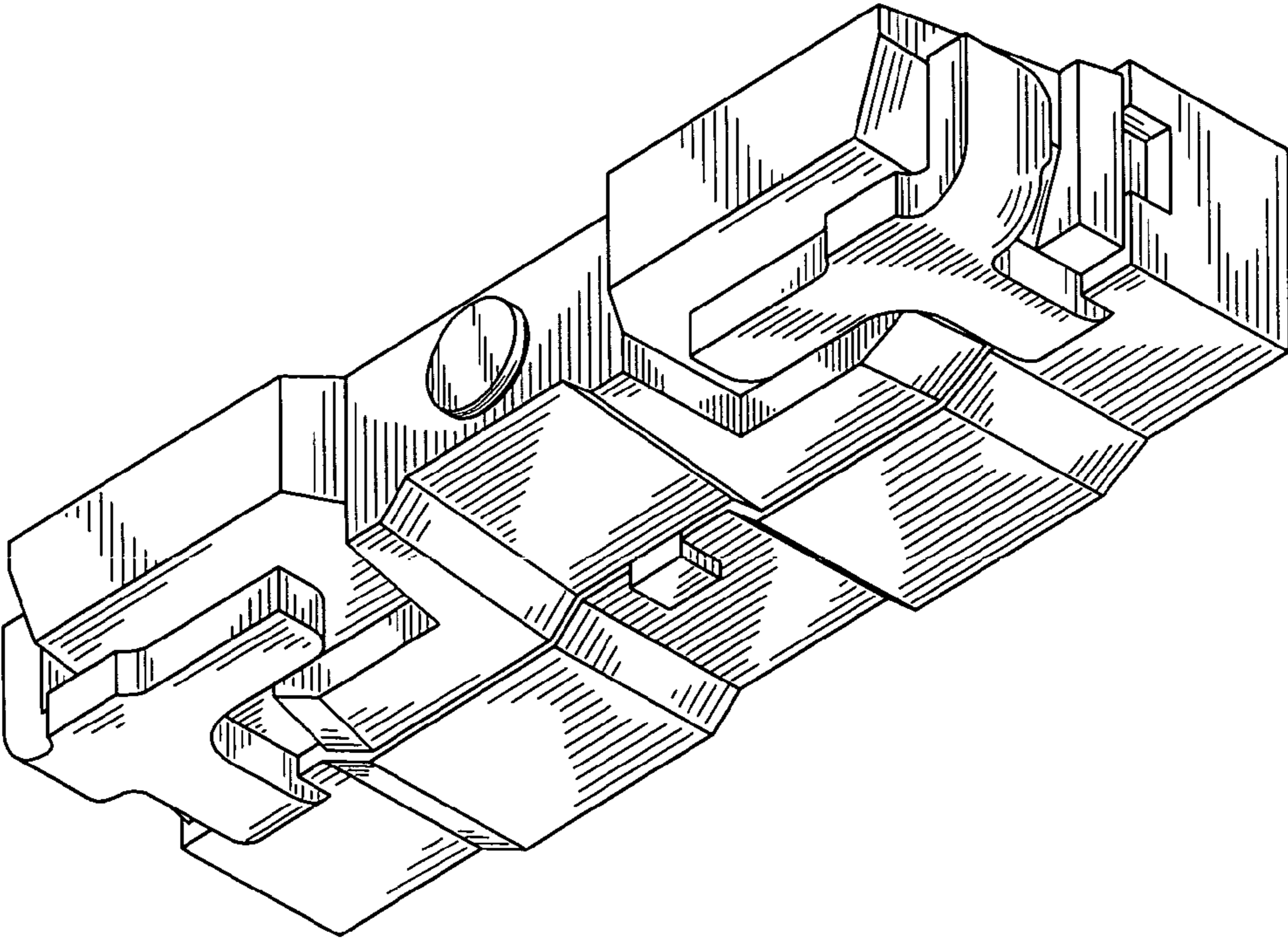


FIG. 3

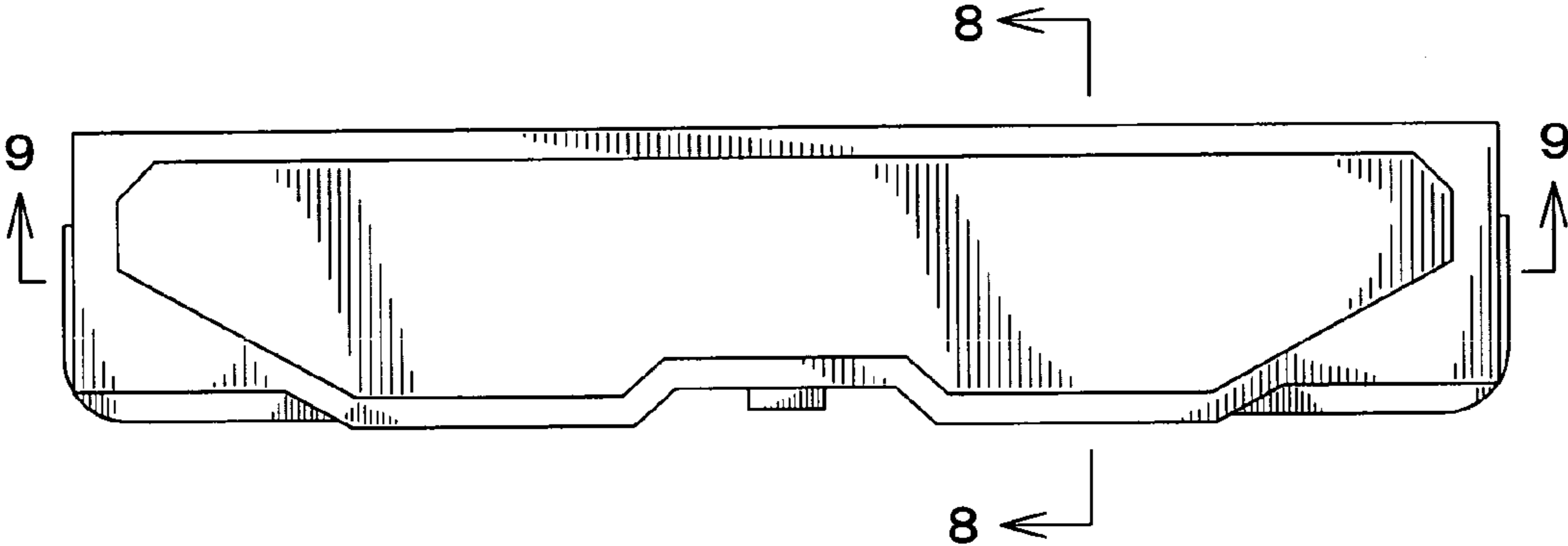


FIG. 4

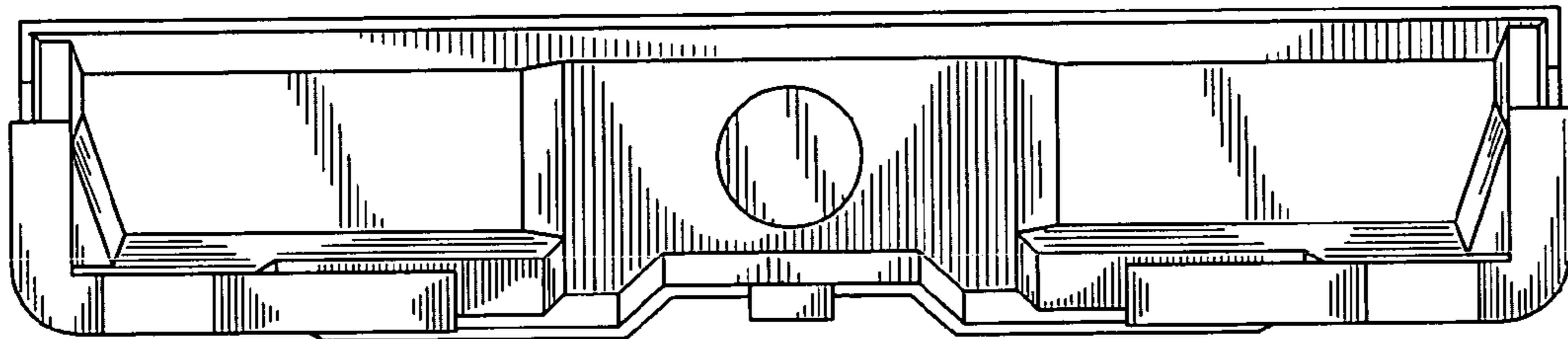


FIG. 5

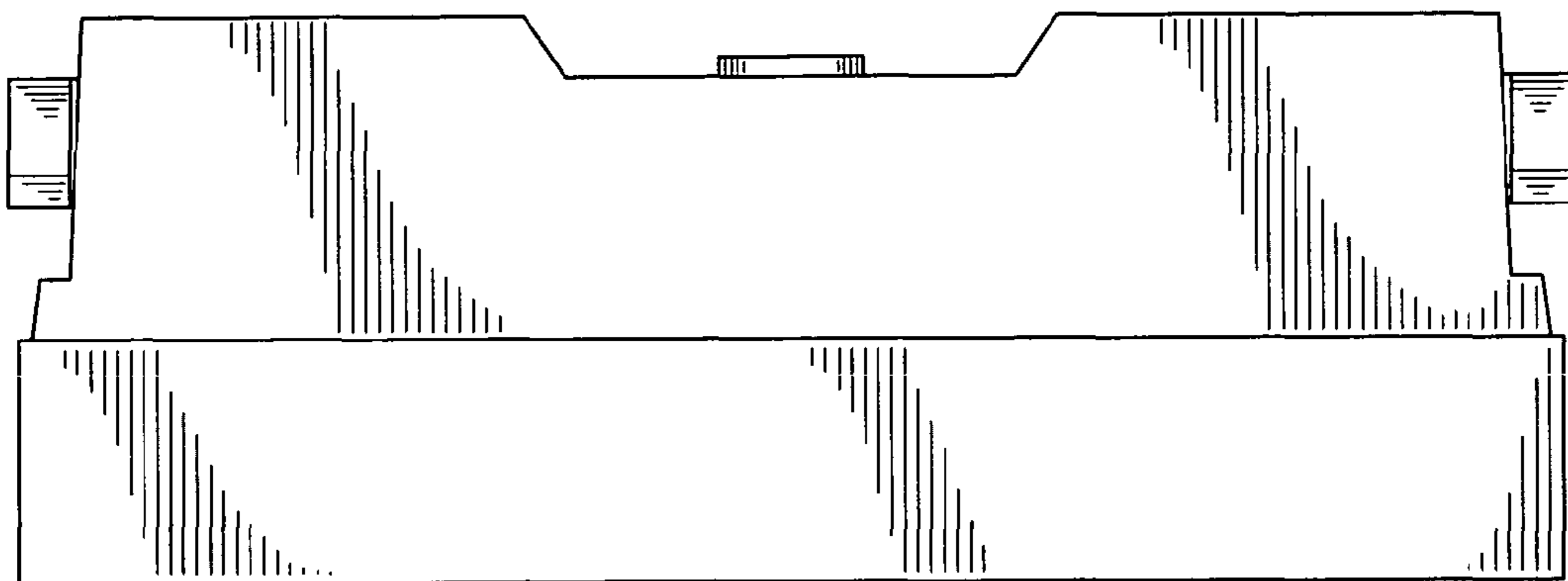


FIG. 6

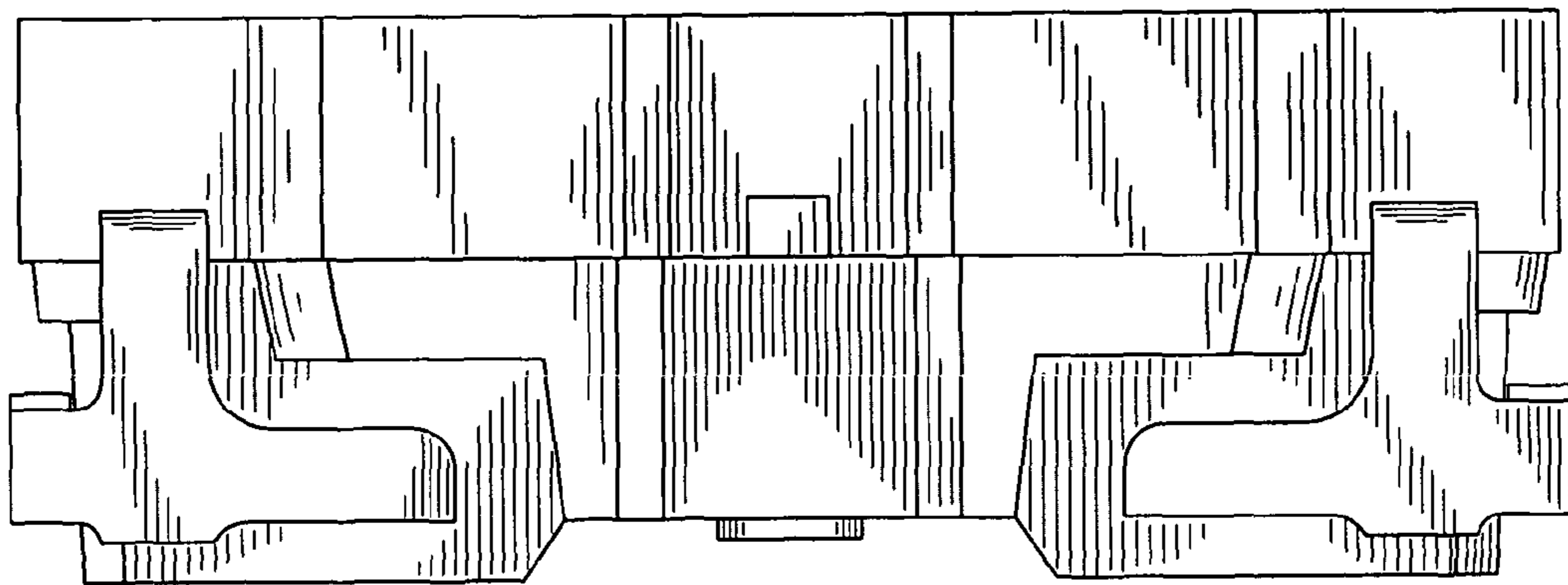


FIG. 7

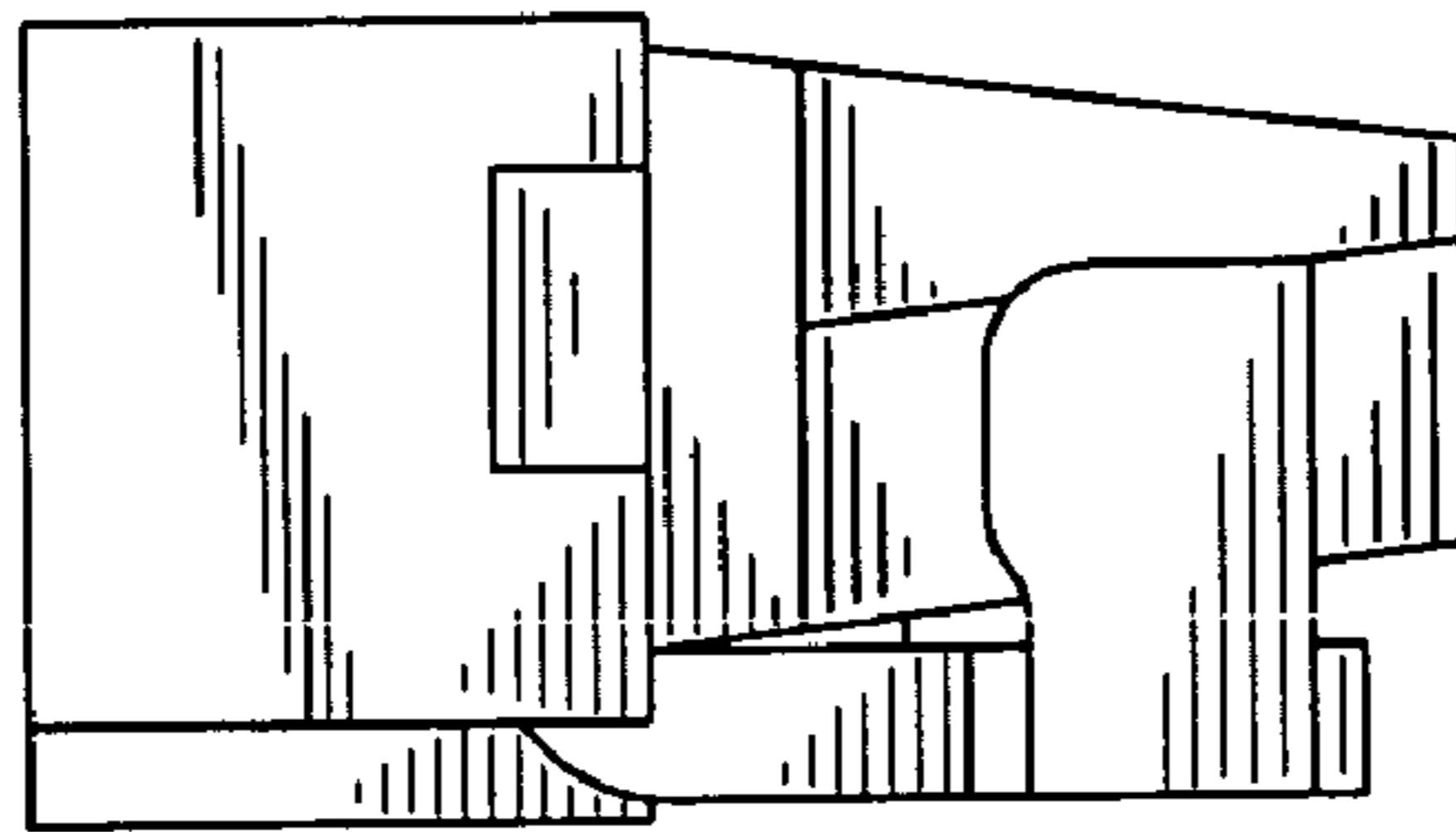




FIG. 8

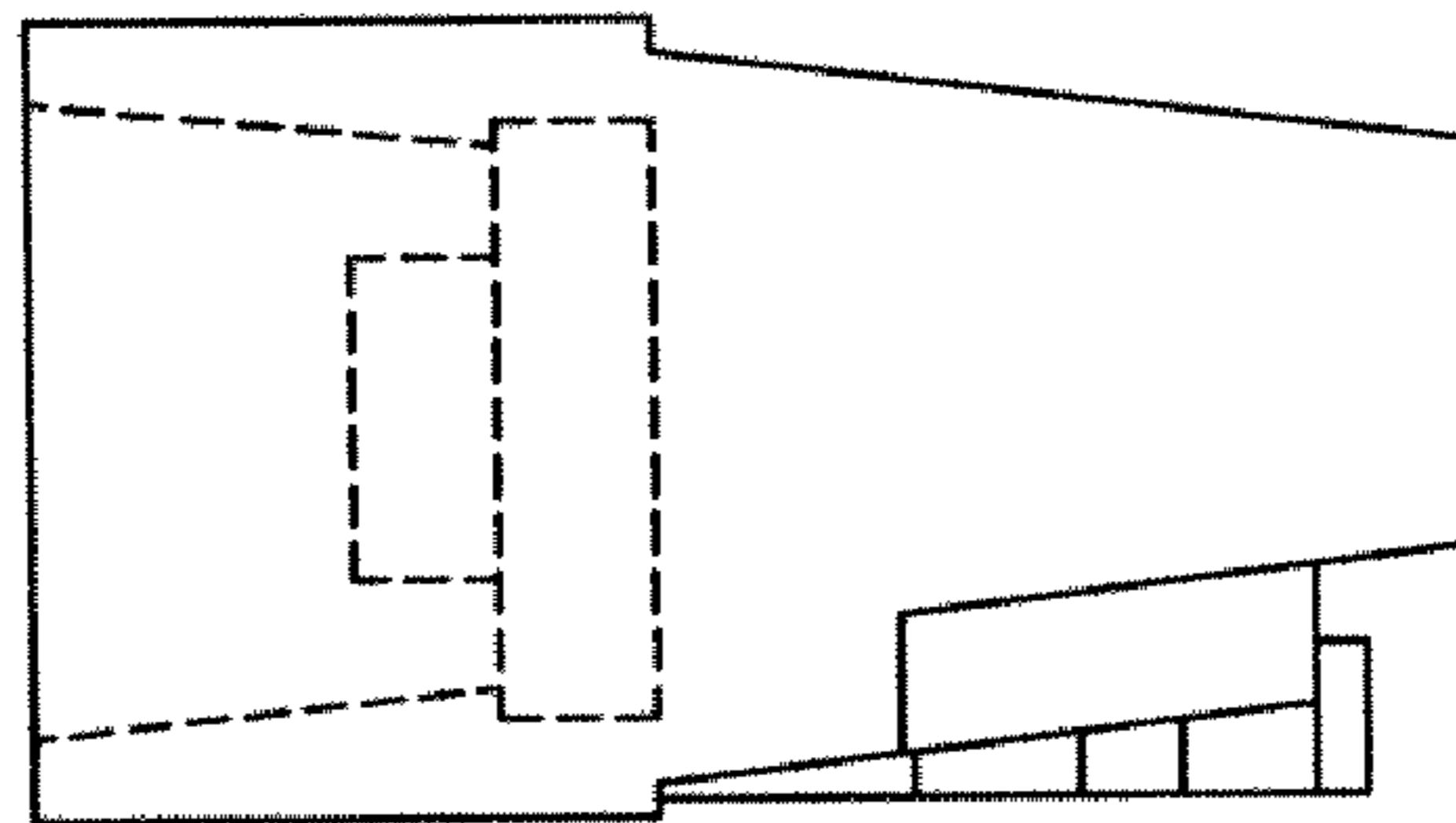


FIG. 9

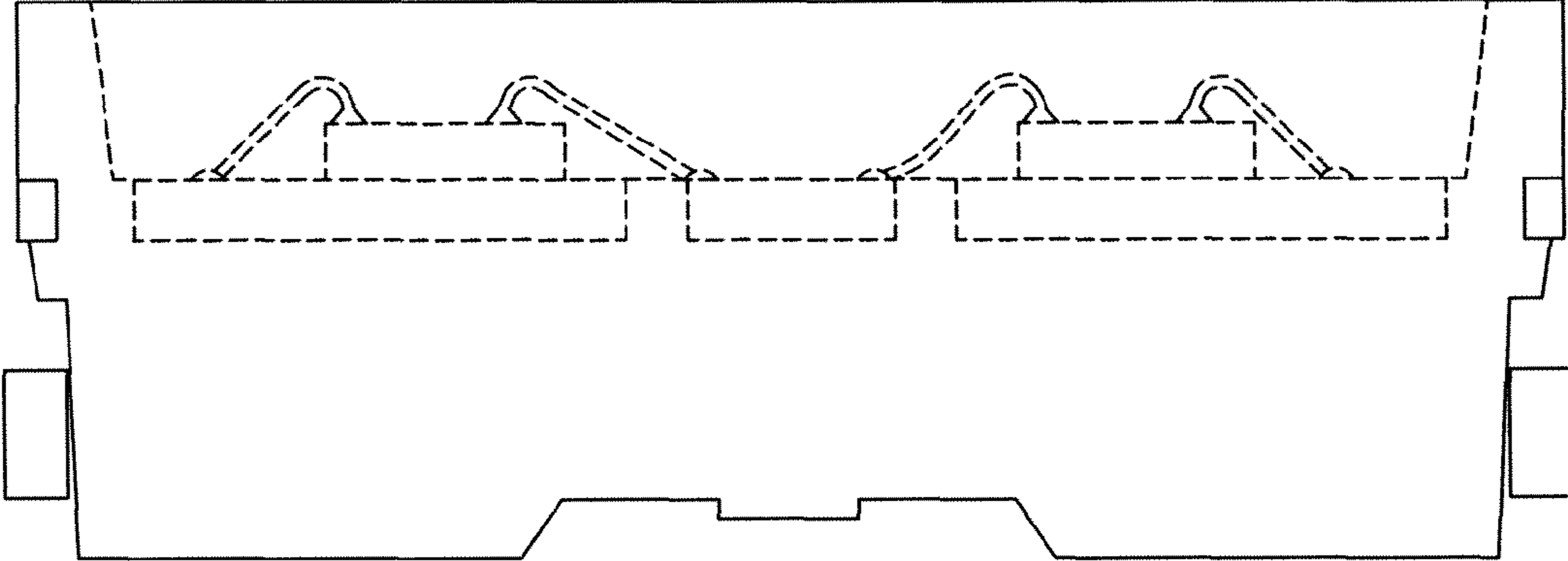


FIG. 10

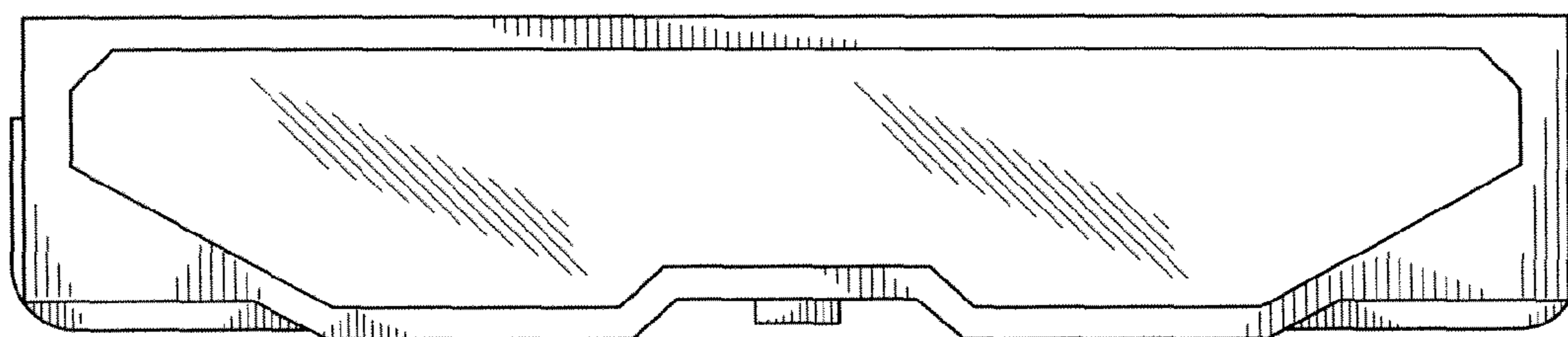


FIG. 11

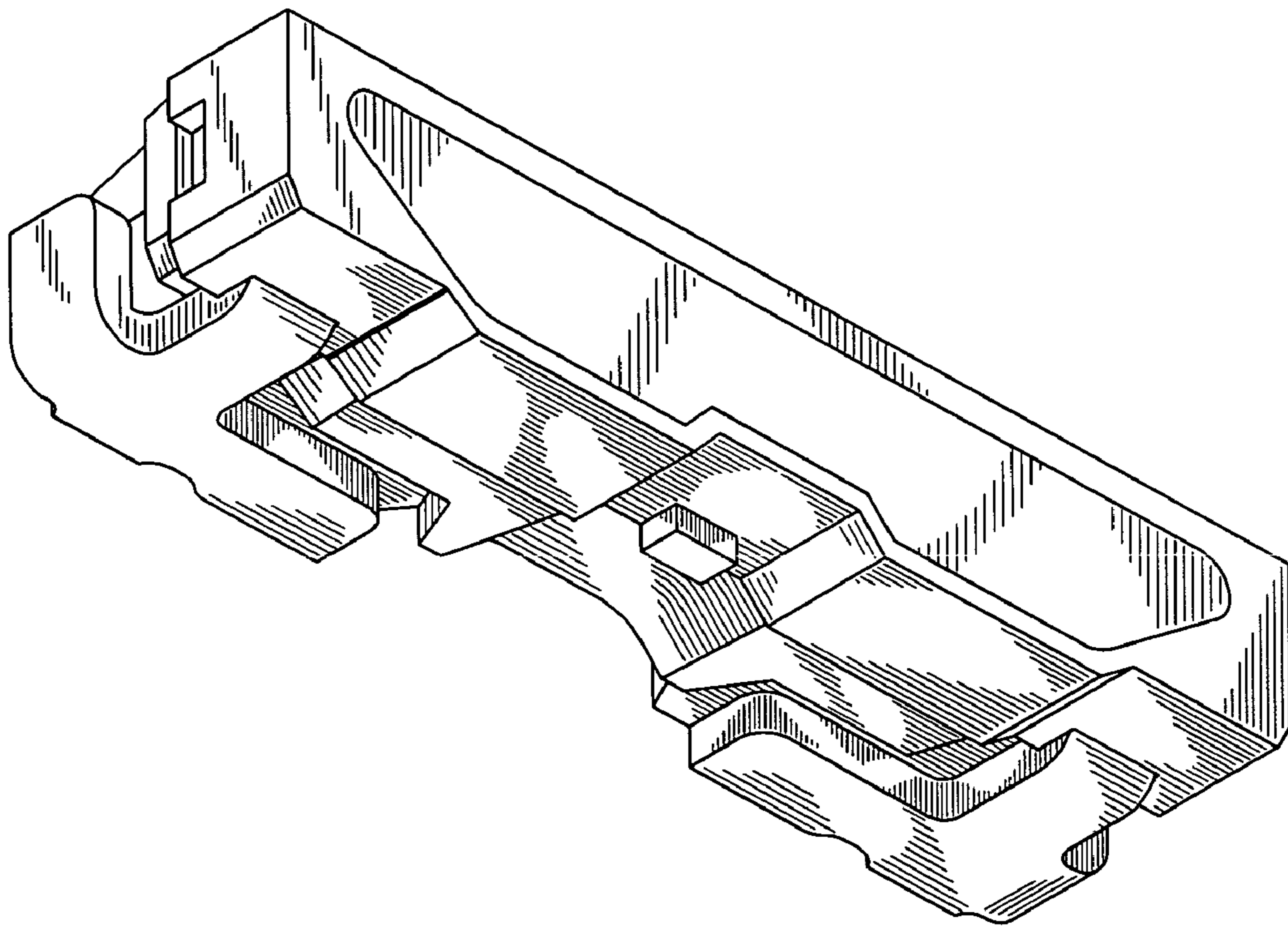


FIG. 12

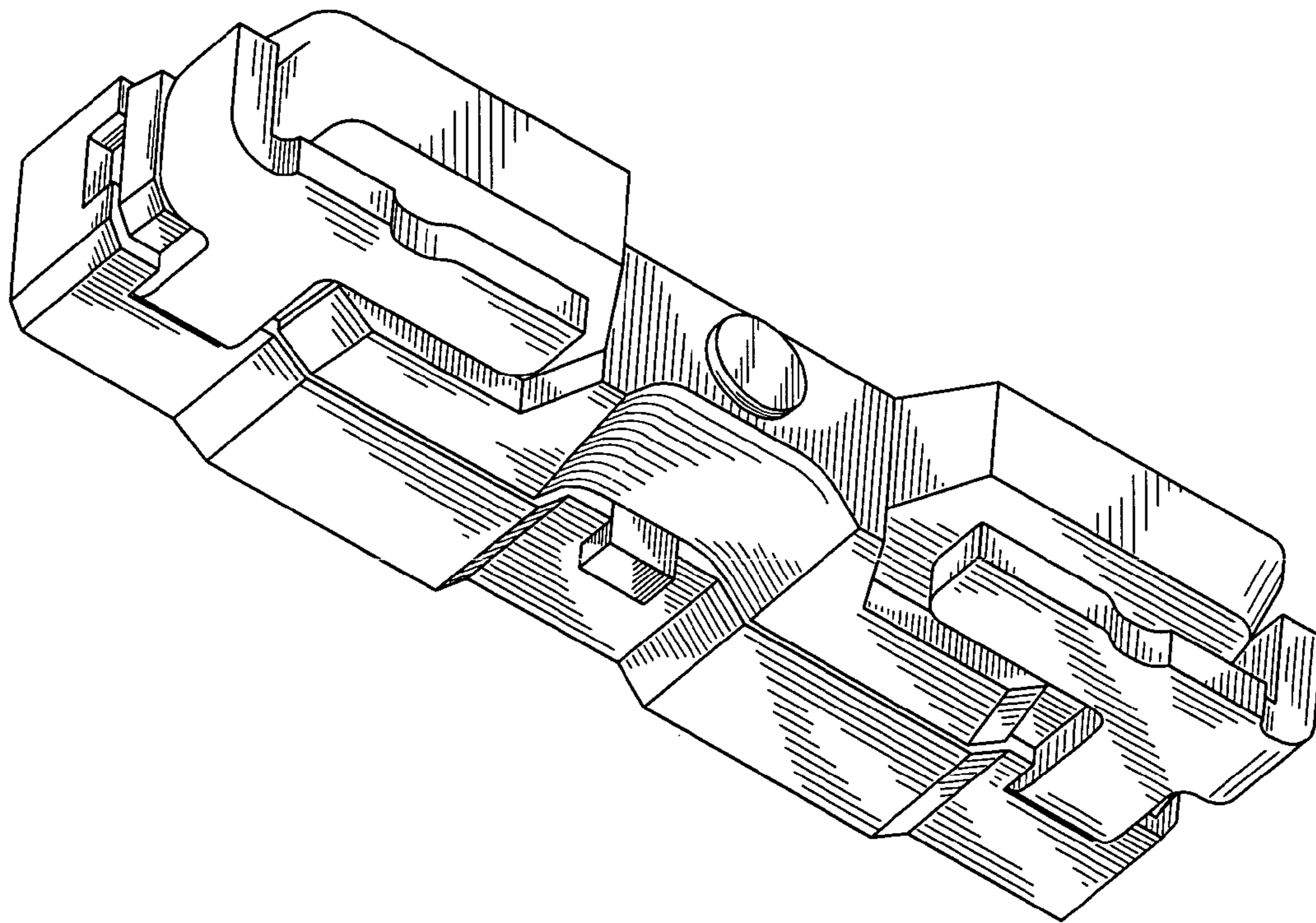


FIG. 13

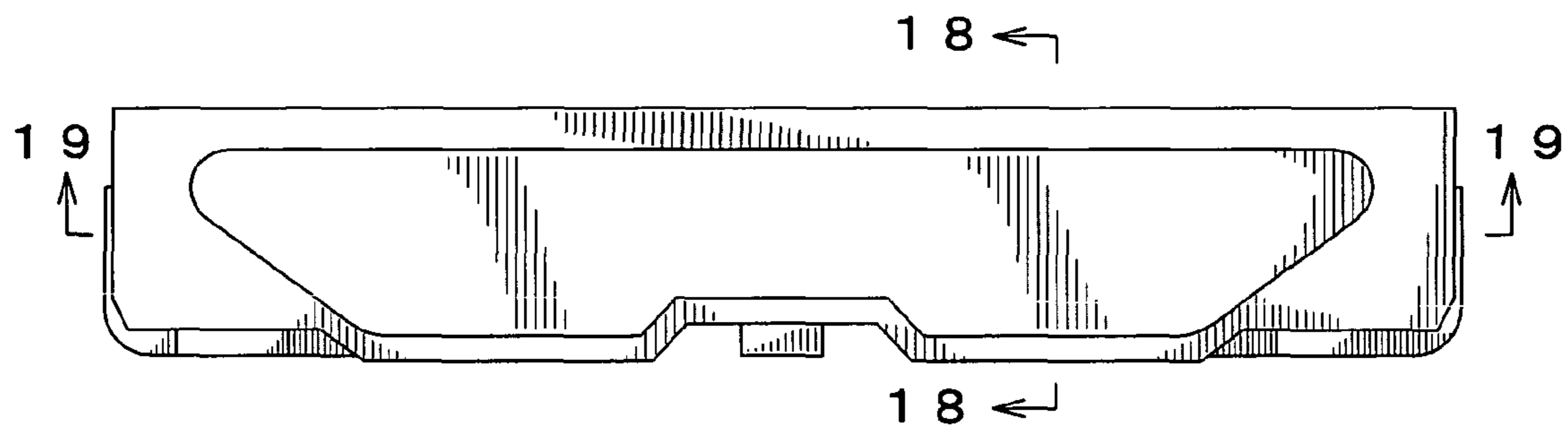


FIG. 14

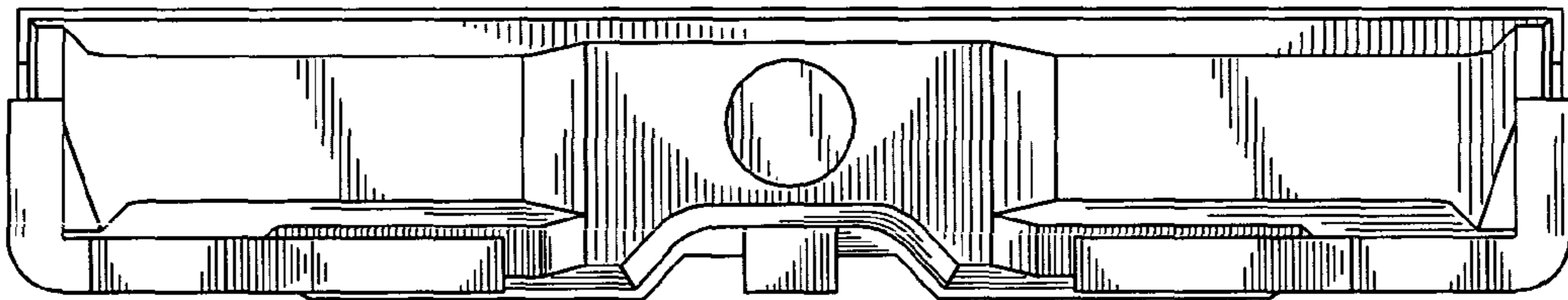


FIG. 15

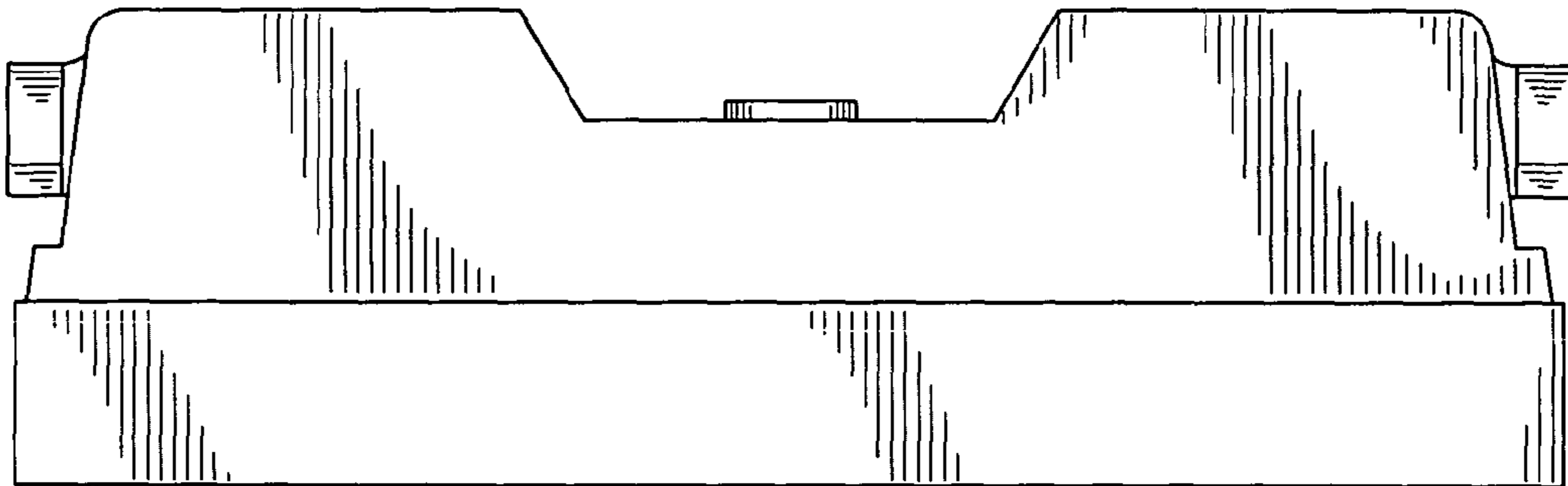




FIG. 16

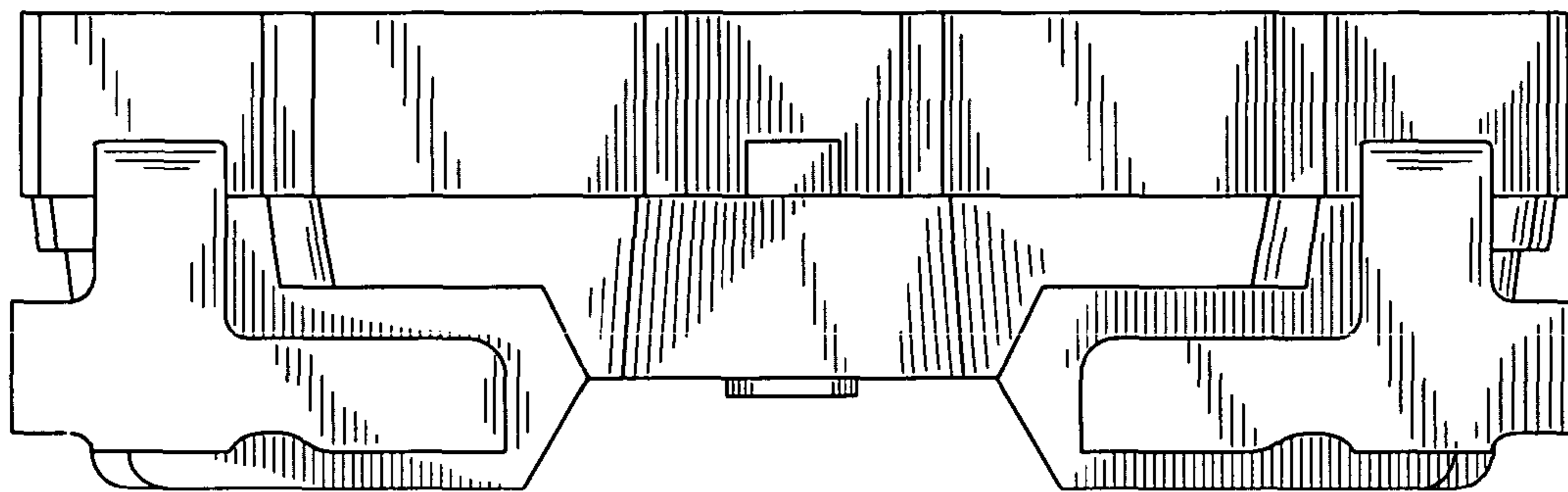


FIG. 17

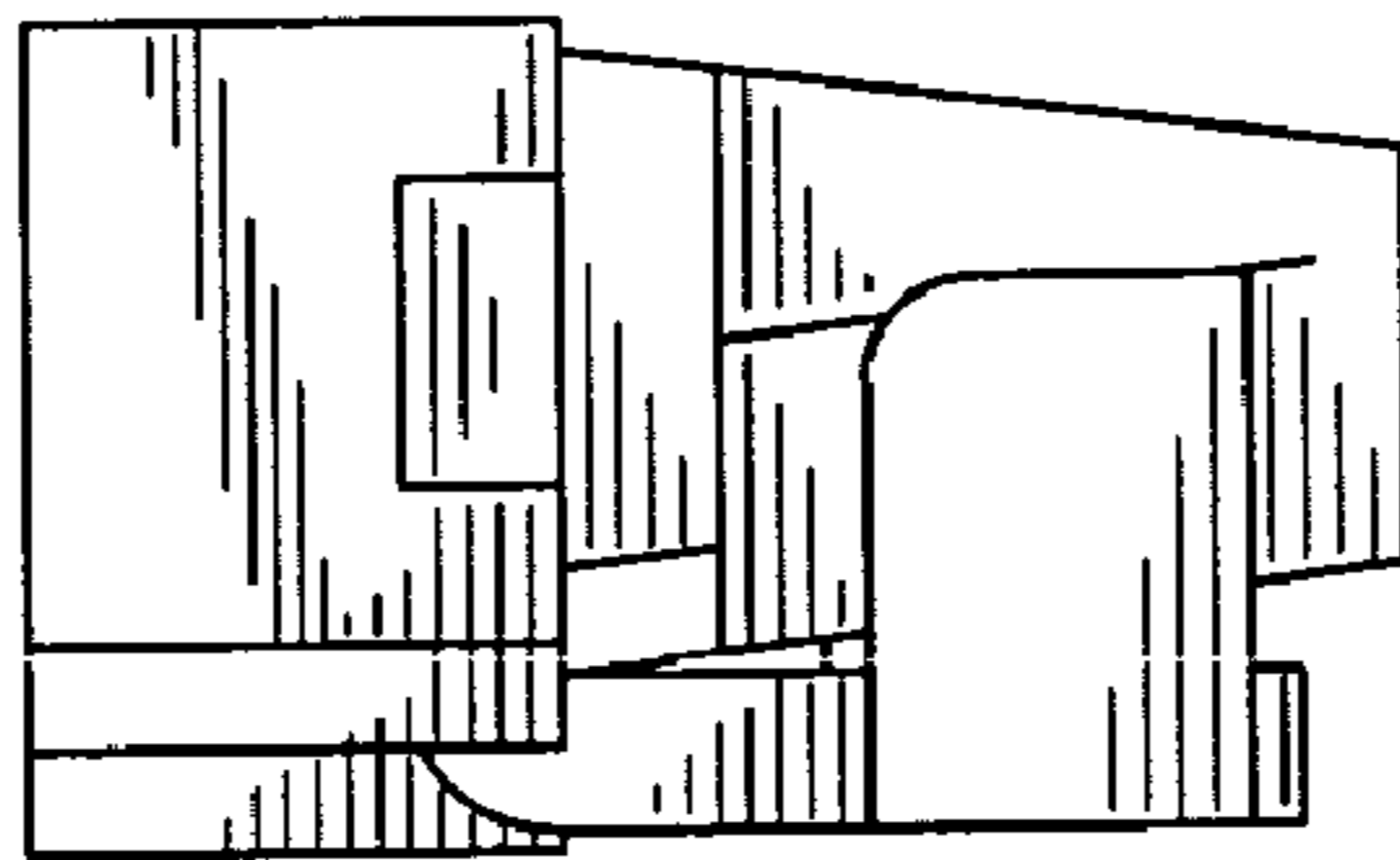


FIG. 18

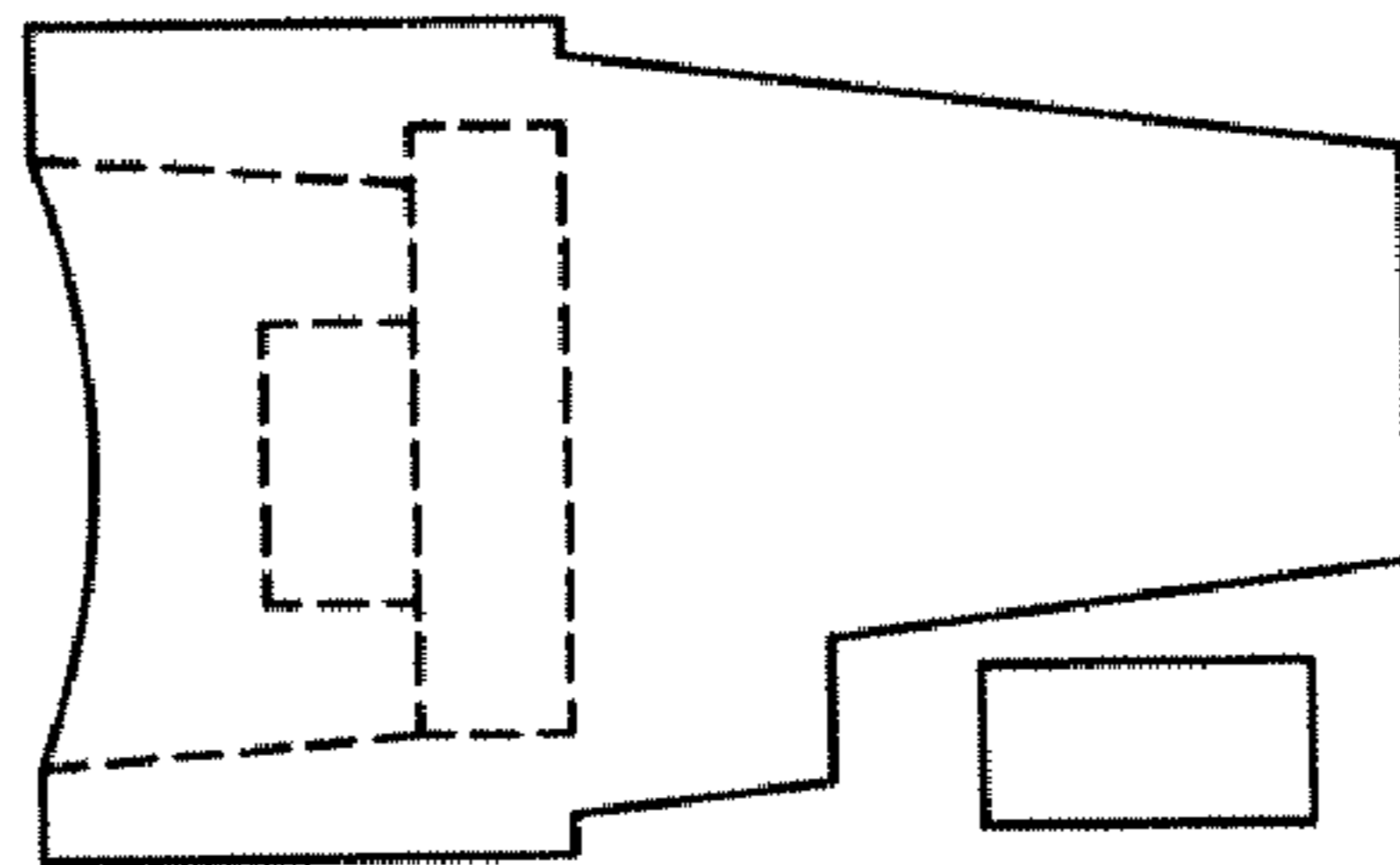


FIG. 19

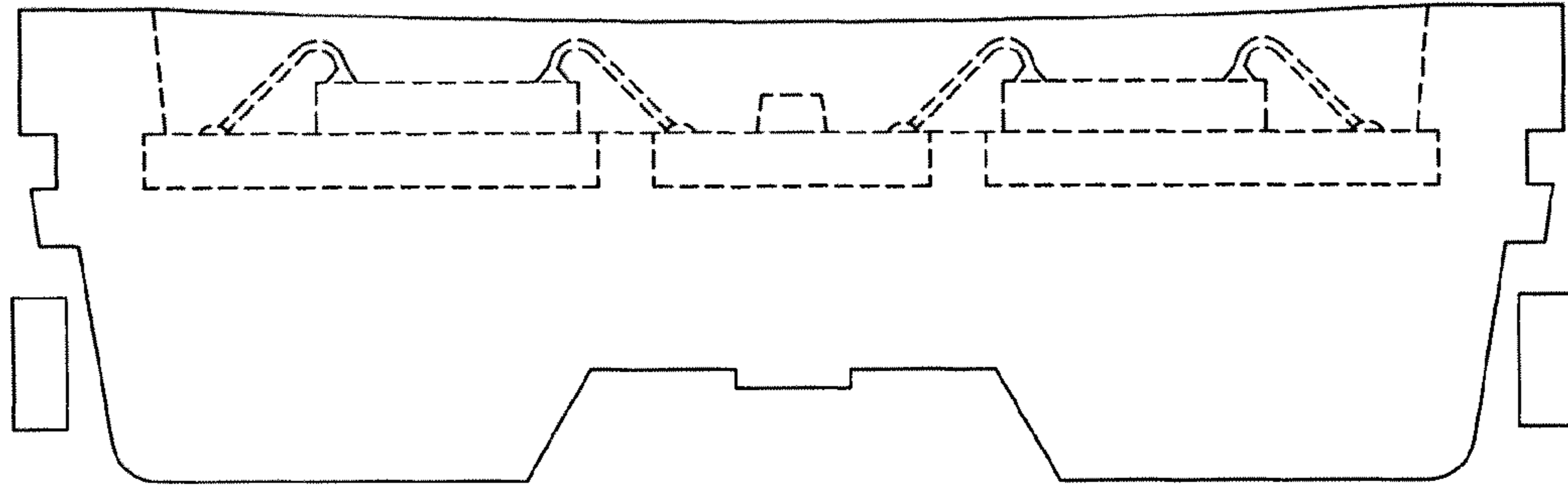


FIG. 20

