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(12) **United States Design Patent** (10) **Patent No.:** **US D972,400 S**  
**Heap et al.** (45) **Date of Patent:** **\*\* Dec. 13, 2022**

(54) **ADJUSTABLE ZERO-CLEARANCE  
SHELVING BRACKET AND SHELF  
ASSEMBLY**

(71) Applicants: **Brock Heap**, West Burlington, IA (US);  
**Justin Henning**, West Burlington, IA  
(US); **Ryan Oleson**, West Burlington,  
IA (US)

(72) Inventors: **Brock Heap**, West Burlington, IA (US);  
**Justin Henning**, West Burlington, IA  
(US); **Ryan Oleson**, West Burlington,  
IA (US)

(73) Assignee: **KPI CONCEPTS, INC.**, West  
Burlington, IA (US)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/694,751**

(22) Filed: **Jun. 13, 2019**

**Related U.S. Application Data**

(63) Continuation of application No. 16/439,862, filed on  
Jun. 13, 2019, now Pat. No. 11,044,994.

(Continued)

(51) **LOC (13) Cl.** ..... **08-05**

(52) **U.S. Cl.**  
USPC ..... **D8/381**

(58) **Field of Classification Search**  
USPC ..... D8/381, 380, 353, 354, 349, 366, 363,  
D8/356, 373, 376, 377; 248/235, 300,  
248/242, 249, 250

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,188,479 A \* 2/1993 Nehls ..... F16B 19/1081  
403/306

5,230,492 A 7/1993 Zwart et al.

(Continued)

*Primary Examiner* — Keli L Hill

*Assistant Examiner* — Harold E Blackwell, II

(74) *Attorney, Agent, or Firm* — David M. Breiner;  
BrownWinick Law Firm

(57) **CLAIM**

The ornamental design for an adjustable zero-clearance shelving bracket and shelf assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a top front perspective view of an adjustable zero-clearance shelving bracket;

FIG. 2 is a top rear perspective view of an adjustable zero-clearance shelving bracket;

FIG. 3 is a side elevational view of an adjustable zero-clearance shelving bracket;

FIG. 4 is another side elevational view of an adjustable zero-clearance shelving bracket;

FIG. 5 is a rear elevational view of an adjustable zero-clearance shelving bracket;

FIG. 6 is a front elevational view of an adjustable zero-clearance shelving bracket;

FIG. 7 is a top front perspective view of the support element of an adjustable zero-clearance shelving bracket;

FIG. 8 is a top rear perspective view of the support element of an adjustable zero-clearance shelving bracket

FIG. 9 is a side elevational view of the support element of an adjustable zero-clearance shelving bracket;

FIG. 10 is another side elevational view of the support element of an adjustable zero-clearance shelving bracket;

FIG. 11 is a rear elevational view of the support element of an adjustable zero-clearance shelving bracket;

FIG. 12 is front elevational view of the support element of an adjustable zero-clearance shelving bracket;

FIG. 13 is a top front perspective view of the bracket element of an adjustable zero-clearance shelving bracket;

FIG. 14 is top rear perspective view of the bracket element of an adjustable zero-clearance shelving bracket;

FIG. 15 is a side elevational view of the bracket element of an adjustable zero-clearance shelving bracket;

FIG. 16 is another side elevational view of the bracket element of an adjustable zero-clearance shelving bracket;

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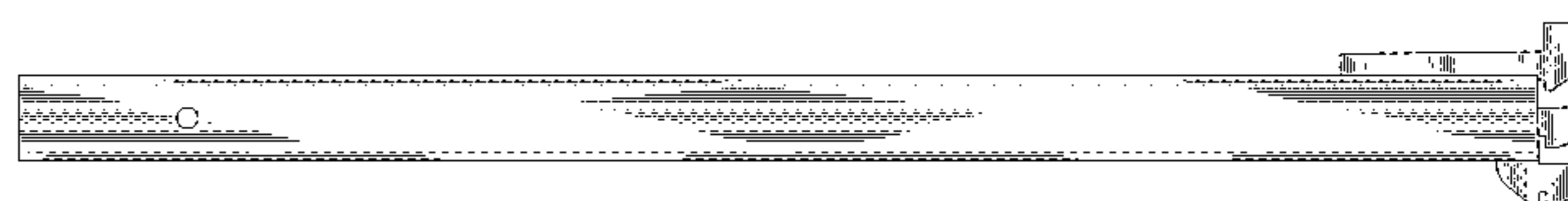
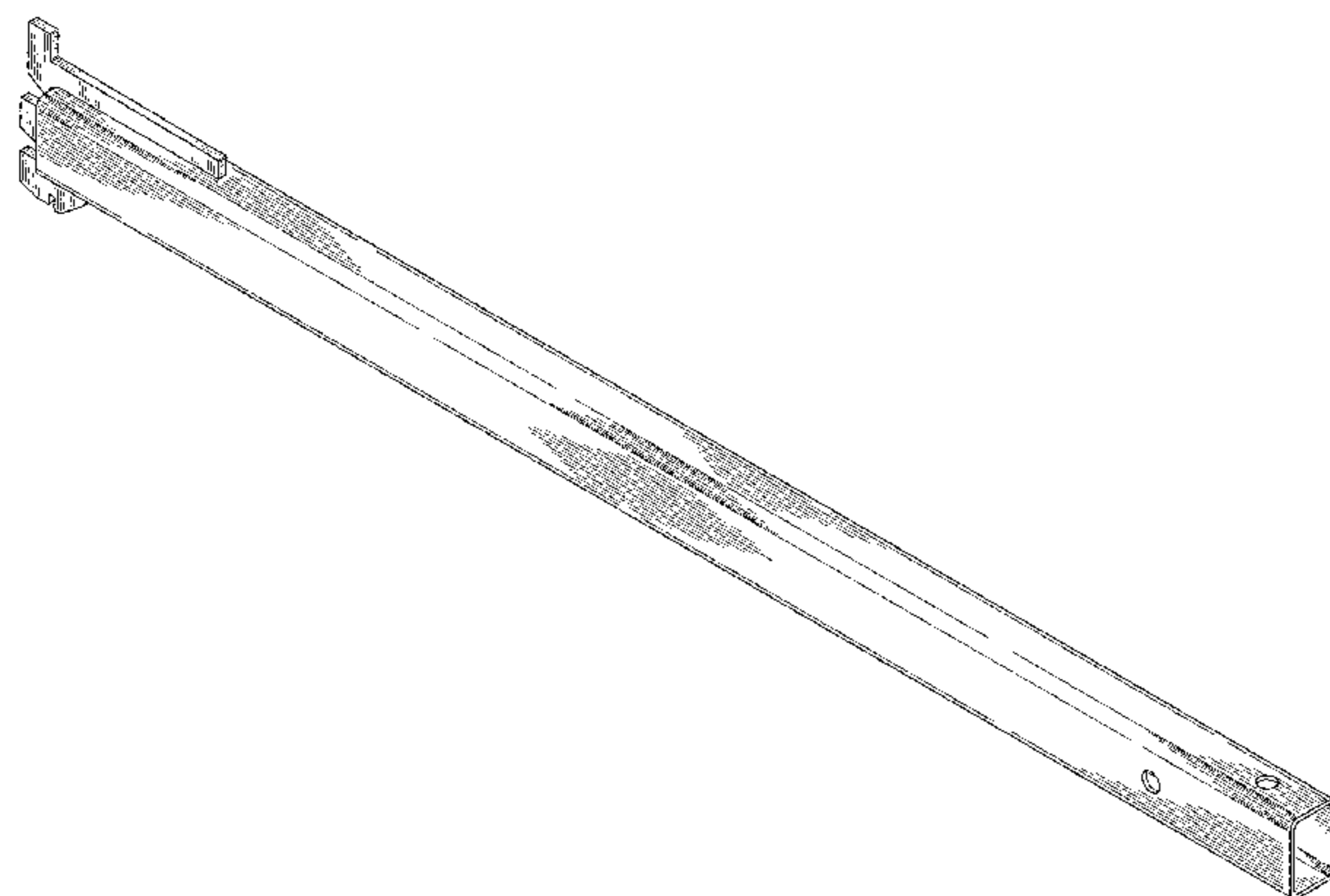


FIG. 17 is a rear elevational view of the bracket element of an adjustable zero-clearance shelving bracket; and, FIG. 18 is a front elevational view of the bracket element of an adjustable zero-clearance shelving bracket.

**1 Claim, 18 Drawing Sheets**

**Related U.S. Application Data**

(60) Provisional application No. 62/684,408, filed on Jun. 13, 2018.

(58) **Field of Classification Search**  
CPC ..... A47B 96/06  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,378,255 B1 4/2002 Eich et al.  
D477,769 S \* 7/2003 Shea ..... D8/363

6,846,140 B2 \* 1/2005 Anderson ..... B60P 7/0815  
410/112  
D501,621 S \* 2/2005 Ayers ..... D6/574  
6,978,975 B1 12/2005 Magnusson  
D592,945 S \* 5/2009 Mahan ..... D8/381  
D596,931 S \* 7/2009 Fernandez ..... D8/381  
D596,932 S \* 7/2009 Kleinsasser ..... D8/381  
D677,094 S \* 3/2013 Mansor ..... D6/574  
8,562,241 B2 \* 10/2013 Klepack ..... B65G 21/02  
198/860.1  
D702,541 S \* 4/2014 Mansor ..... D8/381  
D714,131 S \* 9/2014 Mansor ..... D8/381  
9,173,506 B2 \* 11/2015 Andersson ..... A47F 5/0807  
9,433,285 B2 \* 9/2016 Thrush ..... A47B 57/20  
9,523,188 B2 \* 12/2016 Rahimzadeh ..... E04C 3/293  
D805,375 S \* 12/2017 Nehls ..... D8/381  
D805,881 S \* 12/2017 Nehls ..... D8/381  
11,044,994 B2 \* 6/2021 Heap ..... A47B 57/425  
2005/0127016 A1 6/2005 Fisher  
2008/0014014 A1 \* 1/2008 Nehls ..... F16B 37/00  
403/1  
2010/0084354 A1 4/2010 Eustace  
2015/0335155 A1 11/2015 Winker  
2019/0380492 A1 \* 12/2019 Heap ..... A47B 57/42

\* cited by examiner

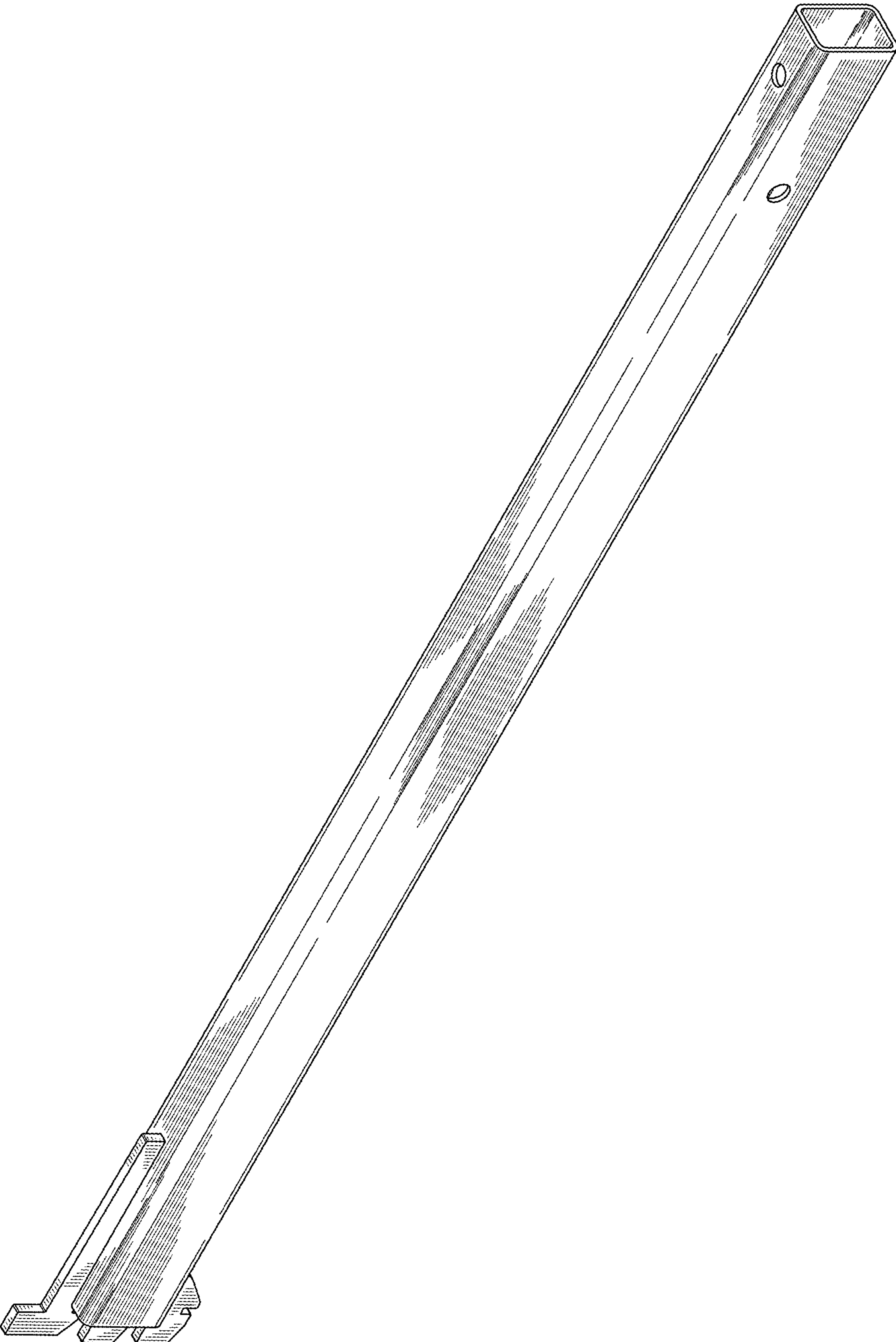


FIG. 1



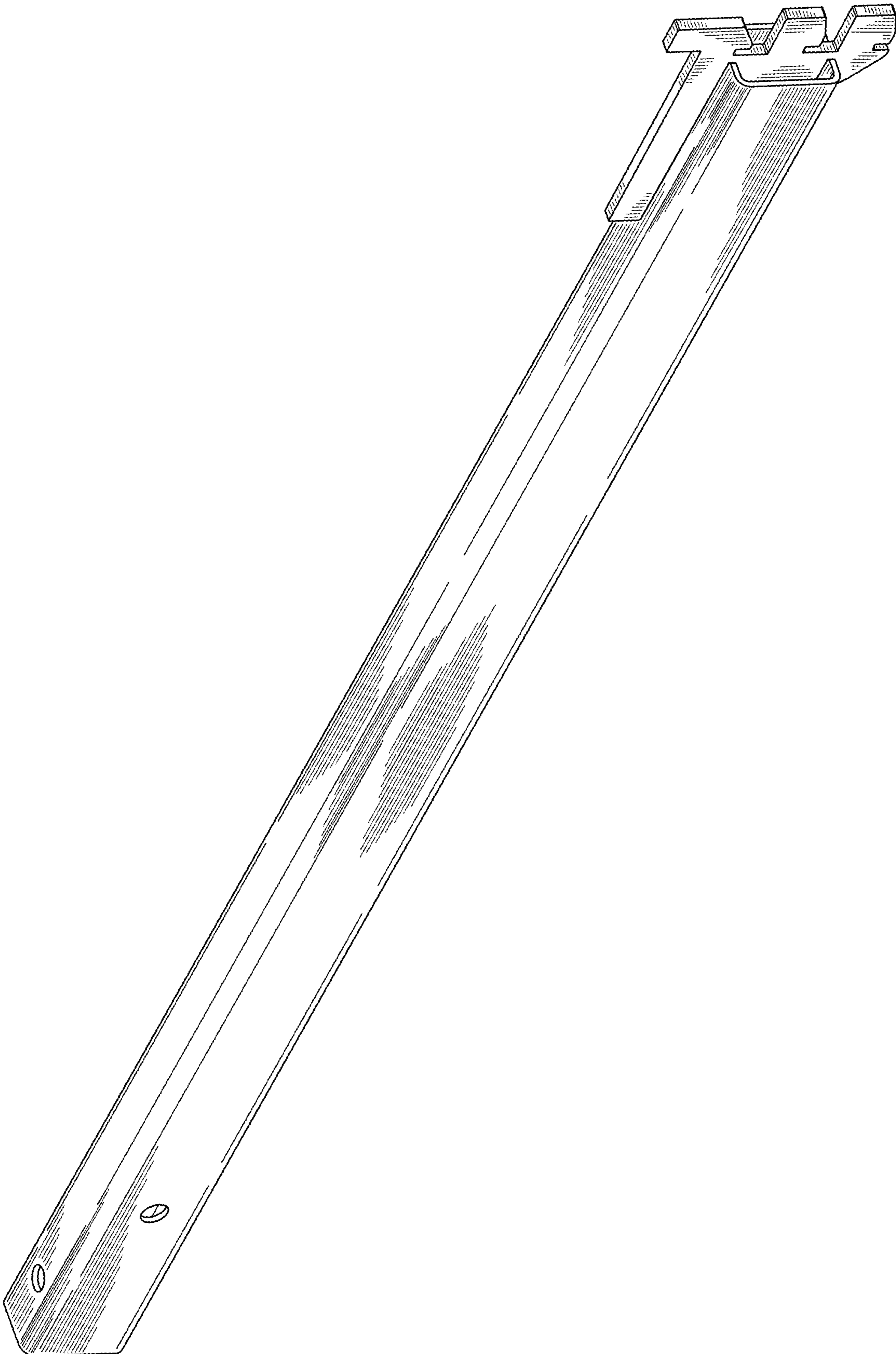


FIG. 2

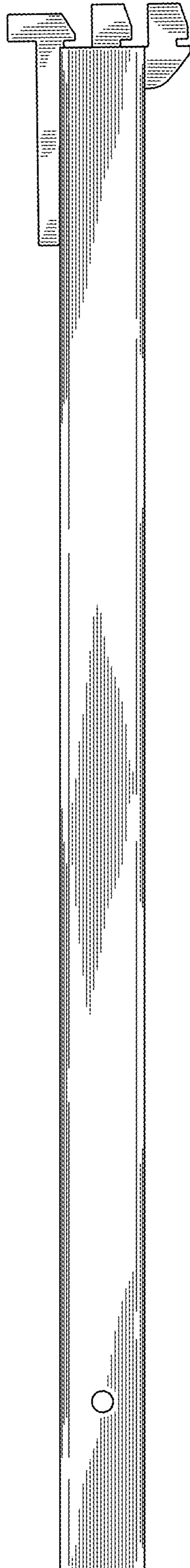


FIG. 3

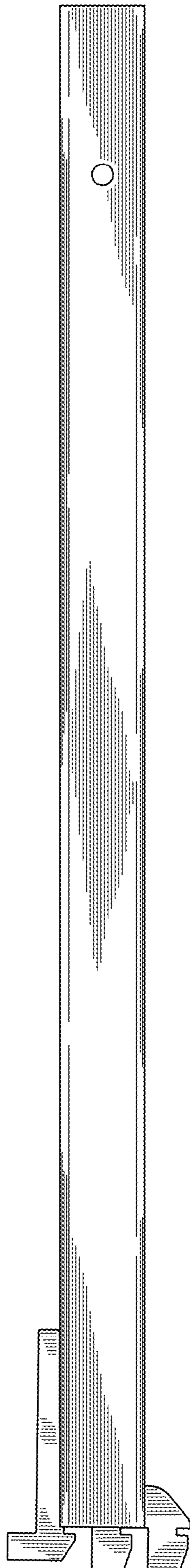


FIG. 4



FIG. 5

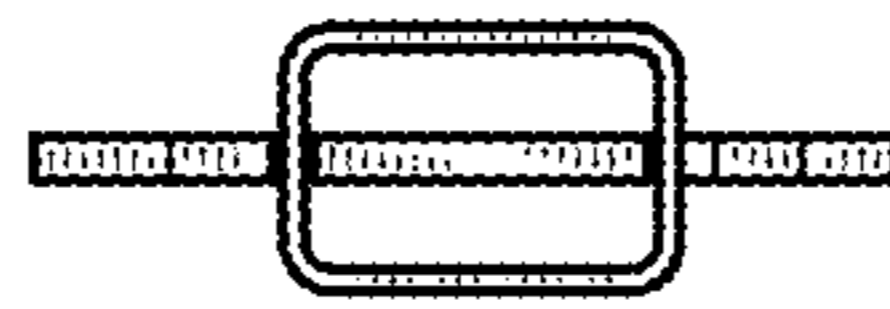


FIG. 6



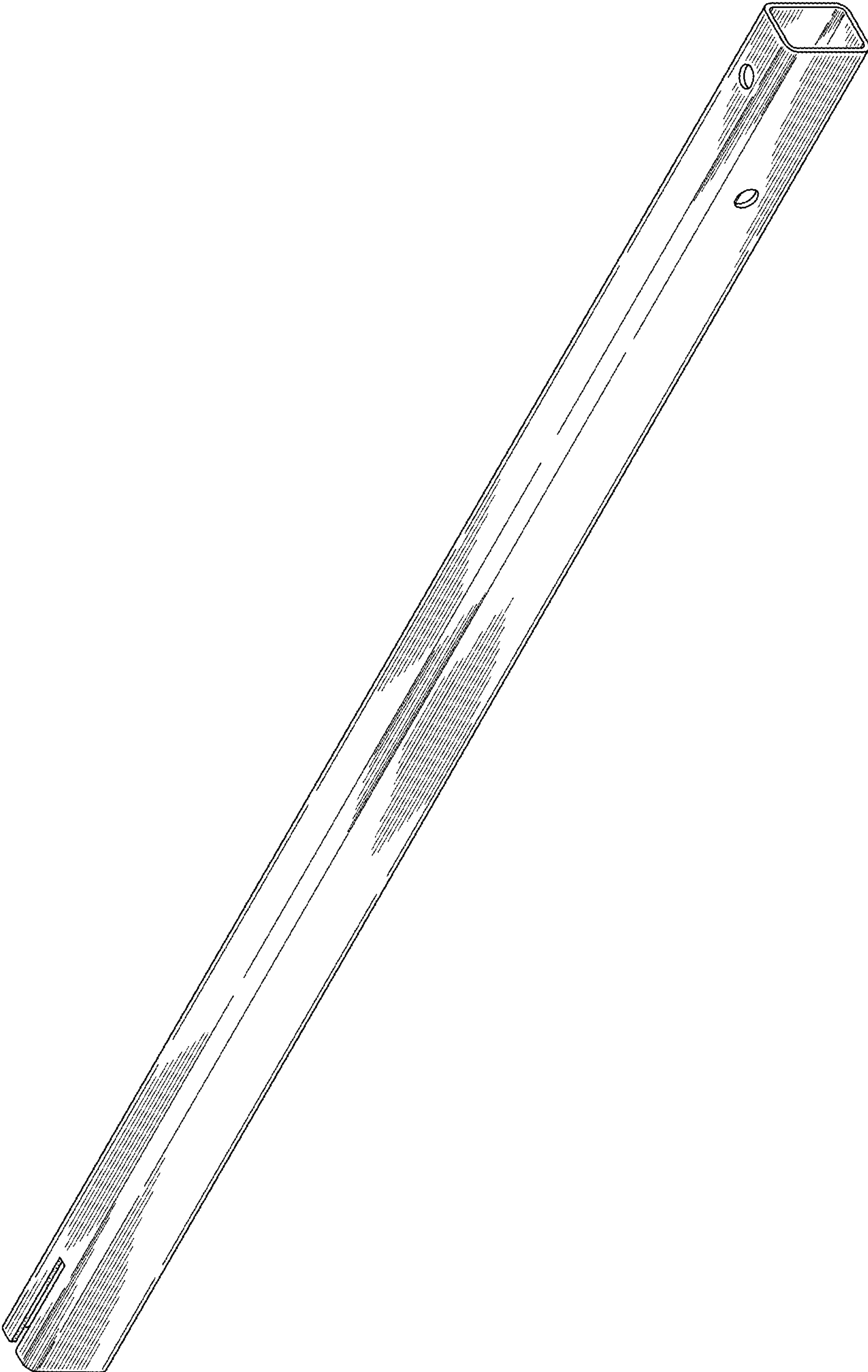


FIG. 7

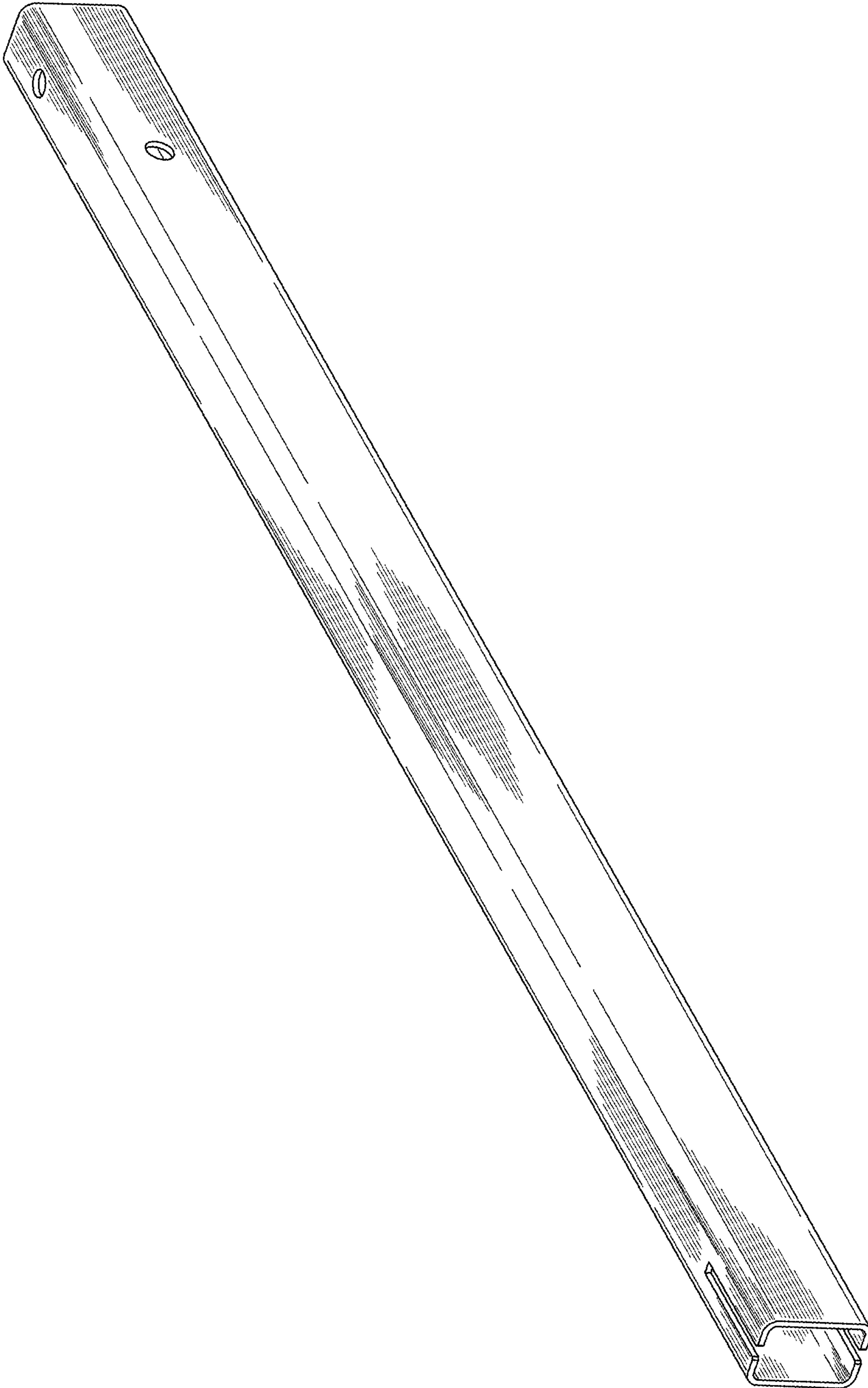


FIG. 8

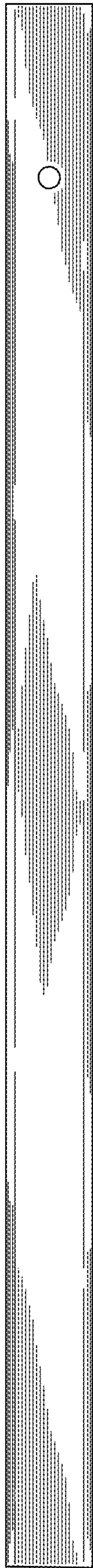


FIG. 9

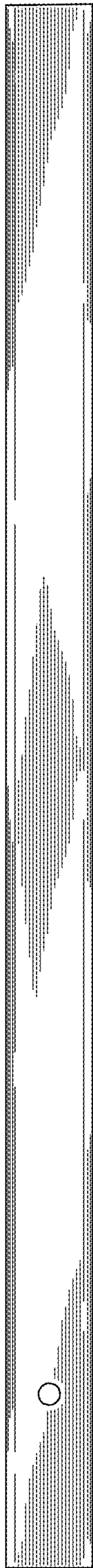
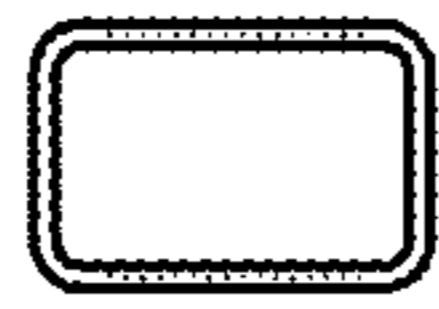


FIG. 10



**FIG. 11**





**FIG. 12**

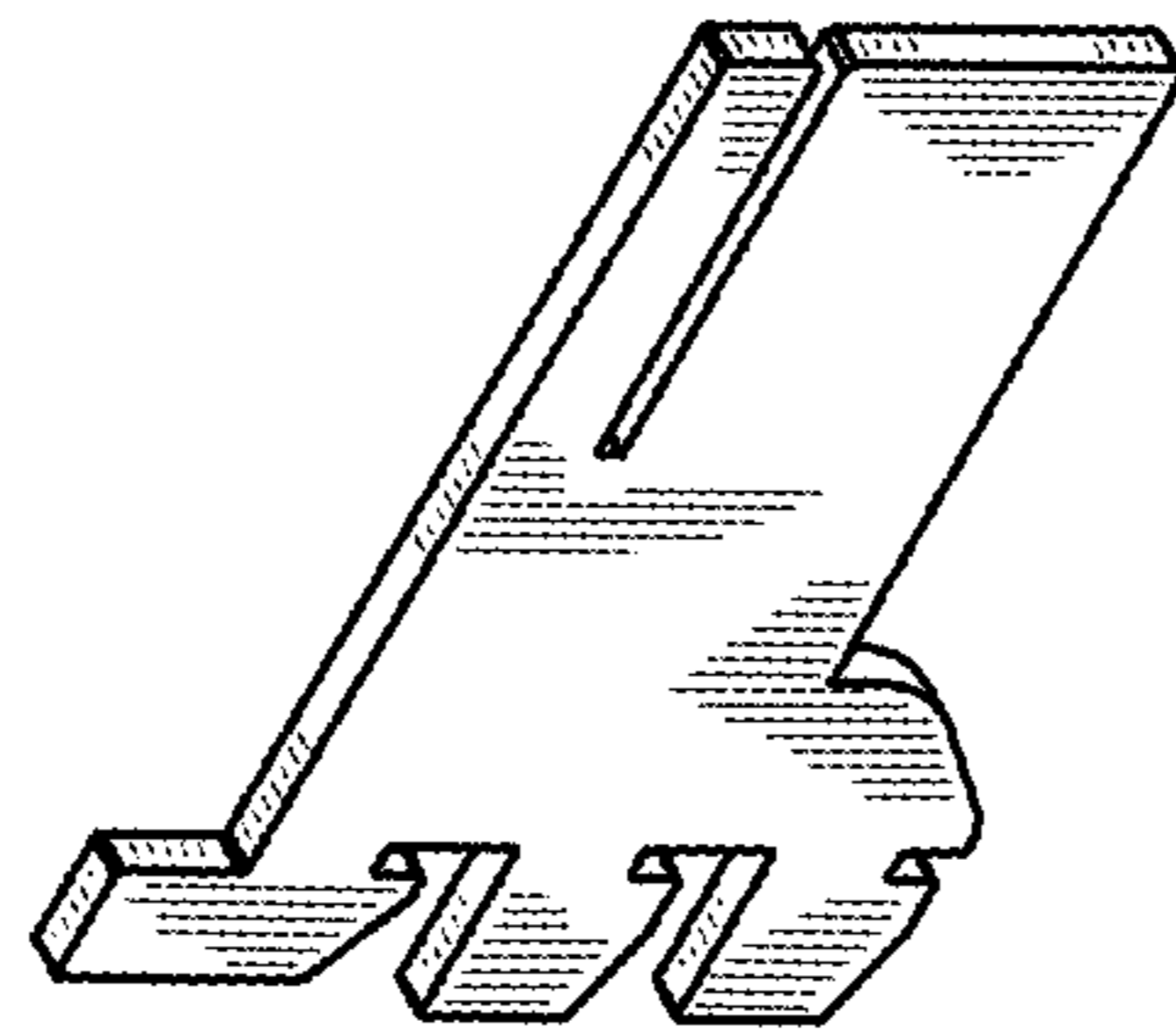


FIG. 13

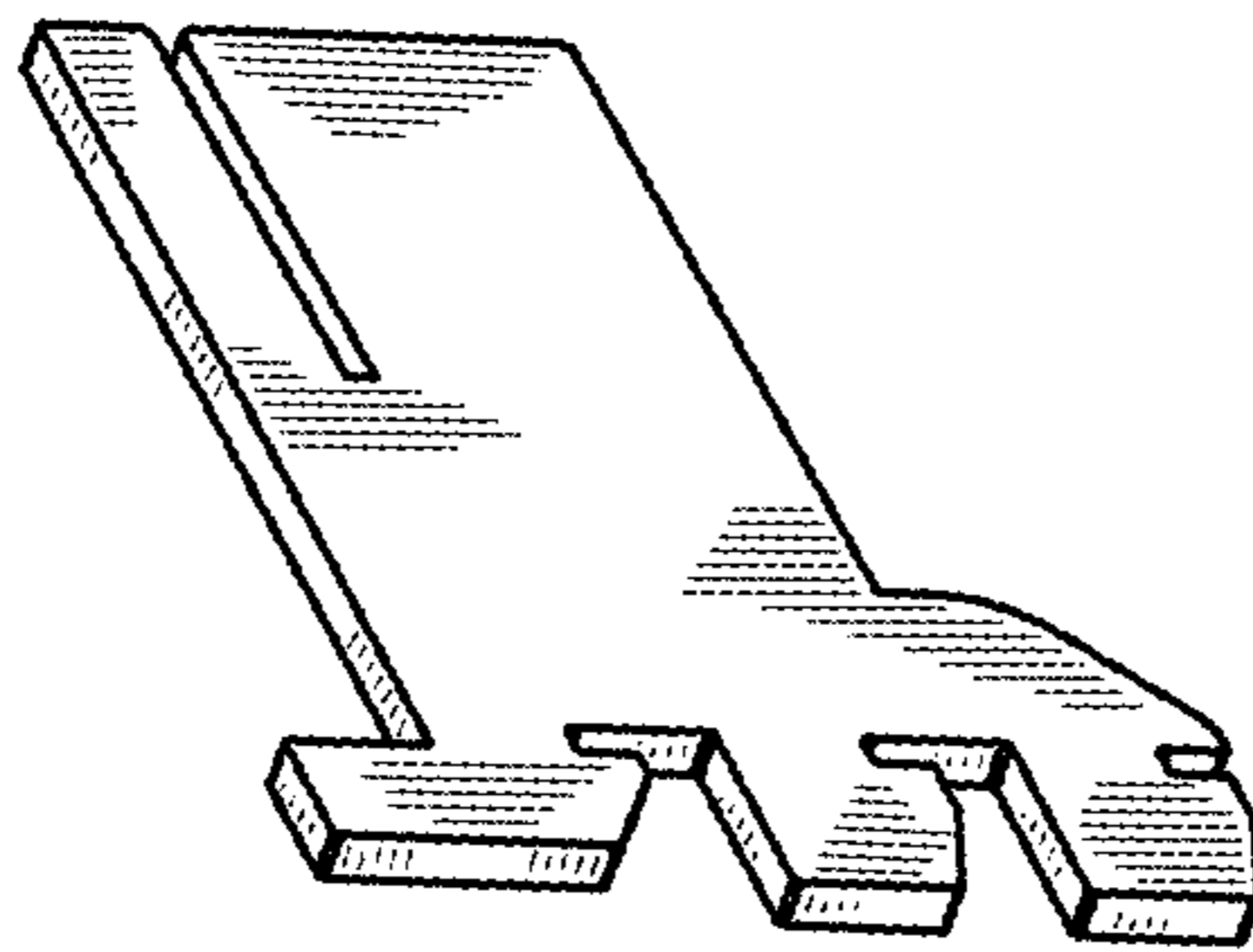


FIG. 14

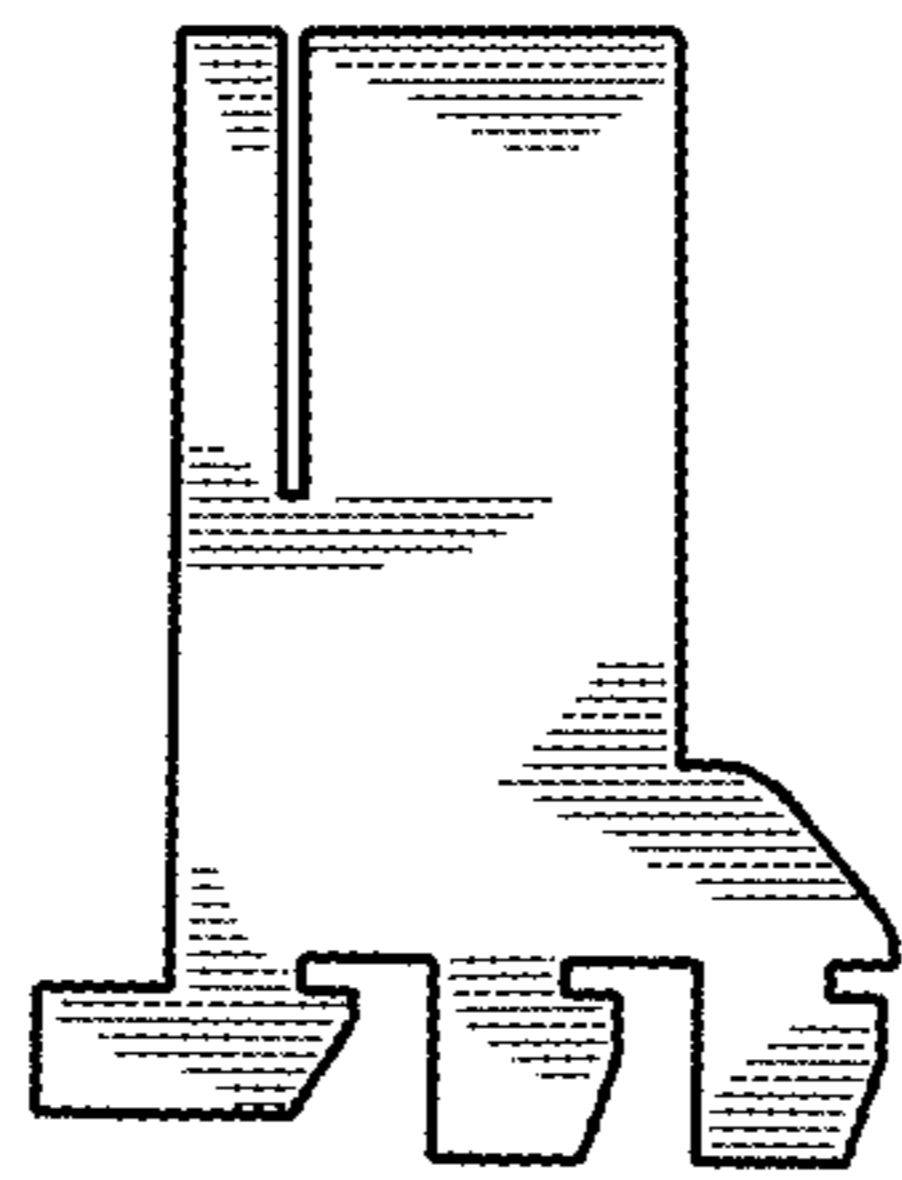


FIG. 15

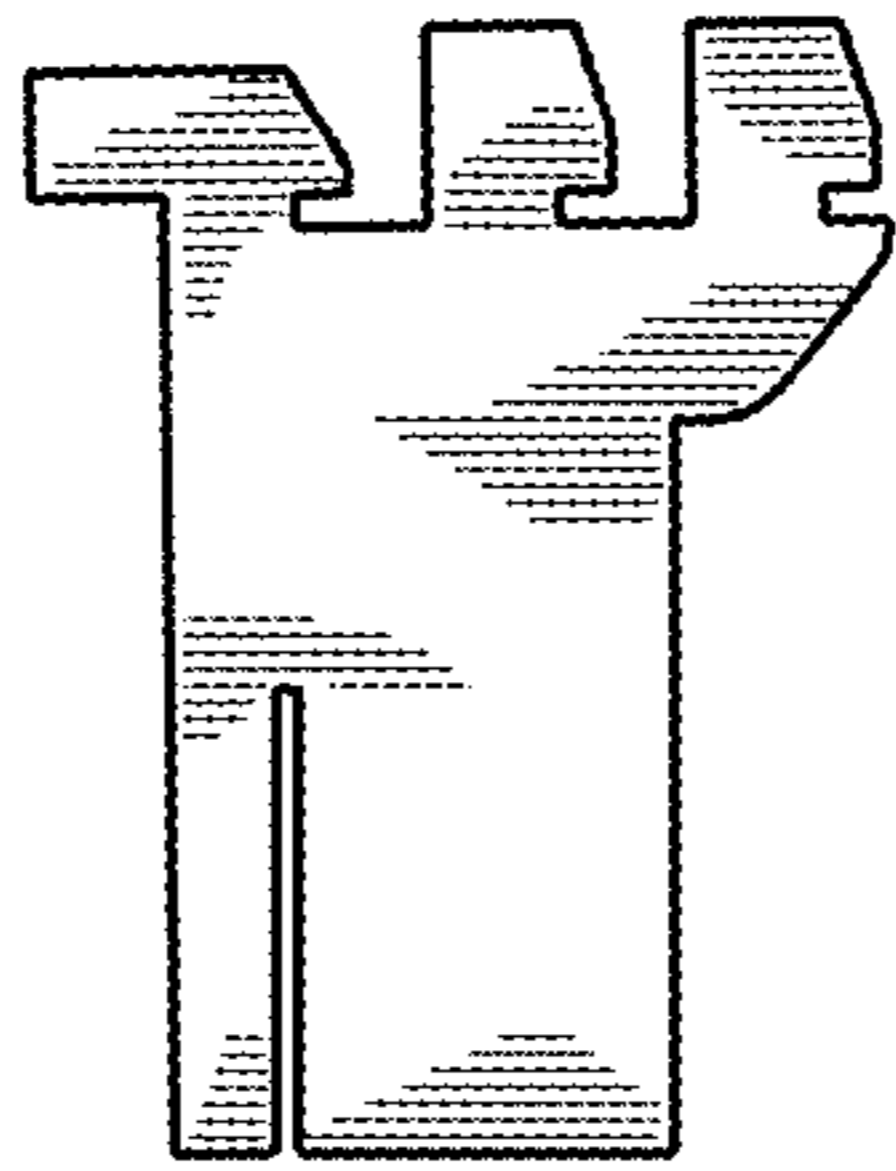


FIG. 16



REPLACEMENT FOR THE FIGURE IN FIG. 17

FIG. 17

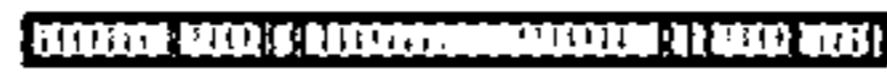


FIG. 18