

US00D847744S

(12) **United States Design Patent** (10) **Patent No.:** **US D847,744 S**
Elison et al. (45) **Date of Patent:** **** May 7, 2019**

(54) **BATTERY HANDLE ASSEMBLY TAB**

OTHER PUBLICATIONS

(71) Applicant: **Johnson Controls Technology Company**, Plymouth, MI (US)

PCT/US2017/042438 International Search Report dated Sep. 5, 2017.

(72) Inventors: **Nicholas E. Elison**, Milwaukee, WI (US); **Christopher M. Bonin**, Glendale, WI (US)

Primary Examiner — Rosemary K Tarcza
Assistant Examiner — Christy M Nemeth

(74) *Attorney, Agent, or Firm* — Fletcher Yoder, P.C.

(73) Assignee: **Johnson Controls Technology Company**, Auburn Hills, MI (US)

(57) **CLAIM**

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

The ornamental design for a battery handle assembly tab, as shown and described.

(21) Appl. No.: **29/573,999**

(22) Filed: **Aug. 11, 2016**

DESCRIPTION

(51) **LOC (11) Cl.** **13-02**

(52) **U.S. Cl.**

USPC **D13/118**

(58) **Field of Classification Search**

USPC D13/102–108, 110, 118–120, 184, 199

CPC Y02E 60/12; Y02E 60/122; Y02E 60/124;

Y02E 60/50; H01M 2/02; H01M 2/022;

H01M 2/0202; H01M 2/0207; H01M

2/0212; H01M 2/1061; H01M 2/1022;

H01M 2/1055; H01M 2/1066; H01M

2/105; H01M 2/204; H01M 10/4257;

H01M 10/0436; H01M 10/48; H01M

10/44; H01M 10/46; H01M 10/465;

H01M 10/482; H01M 2200/30; H01M

2250/30; H01M 2250/40;

(Continued)

FIG. 1 is a front perspective view of a battery handle assembly tab showing our new design, according to a first embodiment;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a right side elevation view thereof, the left side elevation view being a mirror image;

FIG. 5 is a top plan view thereof, the bottom plan view being a mirror image;

FIG. 6 rear perspective view thereof;

FIG. 7 is a front perspective view of a battery handle assembly tab, according to a second embodiment;

FIG. 8 is a front elevational view of the battery handle assembly tab of FIG. 7;

FIG. 9 is a rear elevational view of the battery handle assembly tab of FIG. 7;

FIG. 10 is a right side elevational view of the battery handle assembly tab of FIG. 7, the left side being a mirror image;

FIG. 11 is a top plan view of the battery handle assembly tab of FIG. 7, the bottom plan view being a mirror image; and,

FIG. 12 is a rear perspective view of the battery handle assembly tab of FIG. 7.

The broken lines in the drawings are for the purpose of illustrating portions of the battery handle assembly tab that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,956,022 A 5/1976 Fox

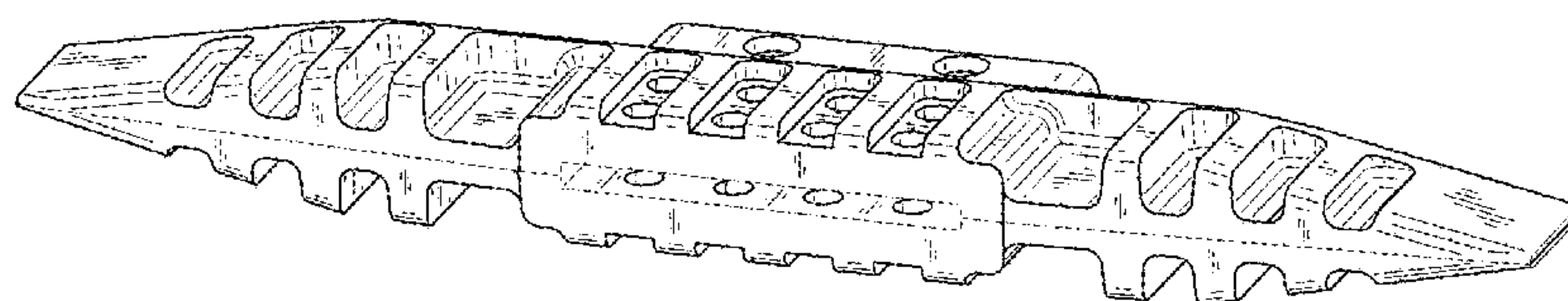
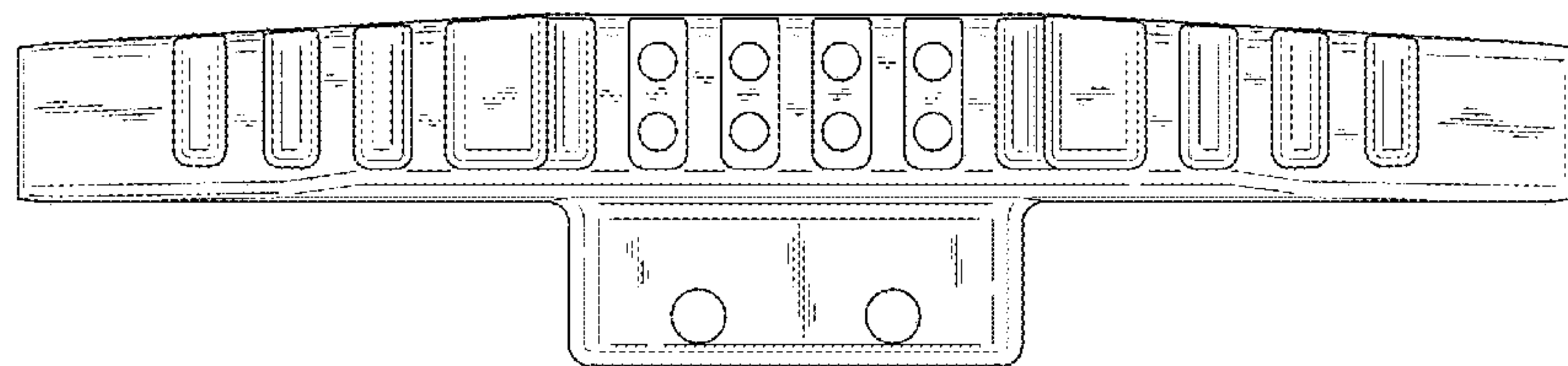
5,283,137 A 2/1994 Ching

(Continued)

FOREIGN PATENT DOCUMENTS

JP 2001155705 6/2001

1 Claim, 8 Drawing Sheets



(58) **Field of Classification Search**

CPC H02J 7/00; H02J 7/0003; H02J 7/0011;
H02J 7/0013; H02J 7/0054; H02J 7/0055;
H02J 7/0057

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,440,785	A	8/1995	McDonald	
5,670,274	A	9/1997	Forrer	
6,117,588	A	9/2000	Campbell et al.	
6,177,211	B1	1/2001	Lawrence	
6,942,945	B2	9/2005	Andersen et al.	
D567,753	S *	4/2008	Landerholm	D13/110
D582,983	S *	12/2008	McCarthy	D19/99
7,836,556	B1	11/2010	Medeiros	
8,263,257	B2	9/2012	Bielawski et al.	
D788,703	S *	6/2017	Krysinski	D13/120
D813,816	S *	3/2018	Osako	D13/120
D814,417	S *	4/2018	Hickey	D13/120
2005/0069762	A1	3/2005	Daley et al.	

* cited by examiner

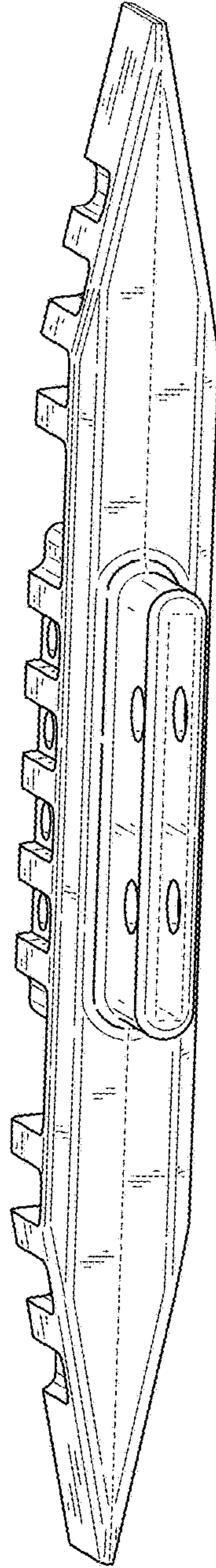


FIG. 1

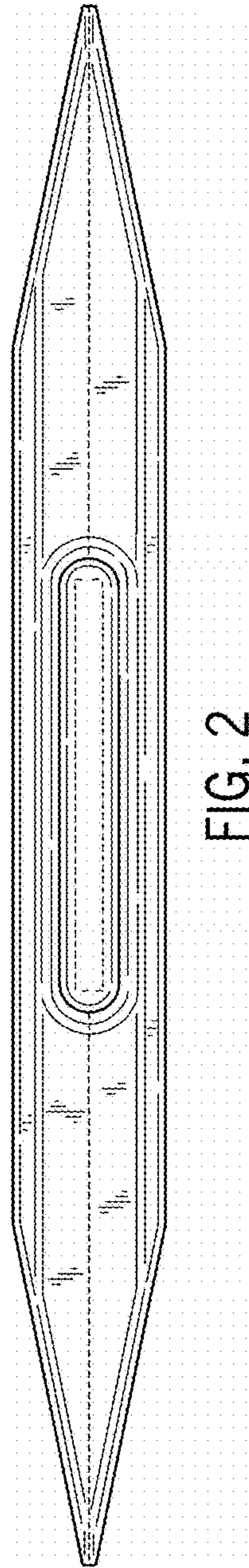


FIG. 2

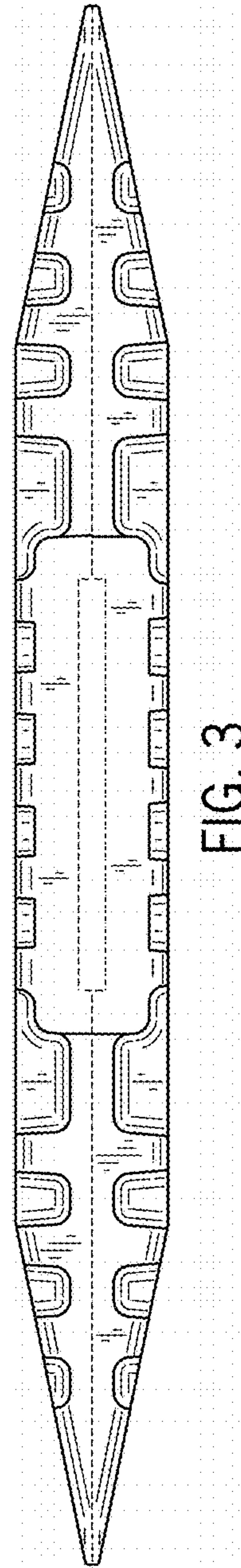


FIG. 3

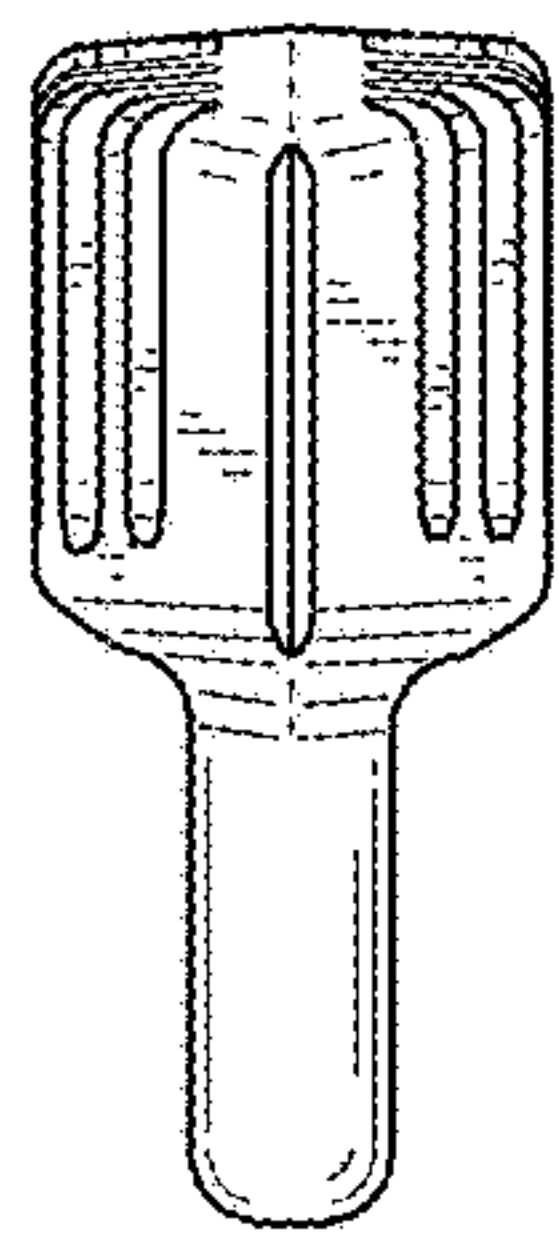


FIG. 4

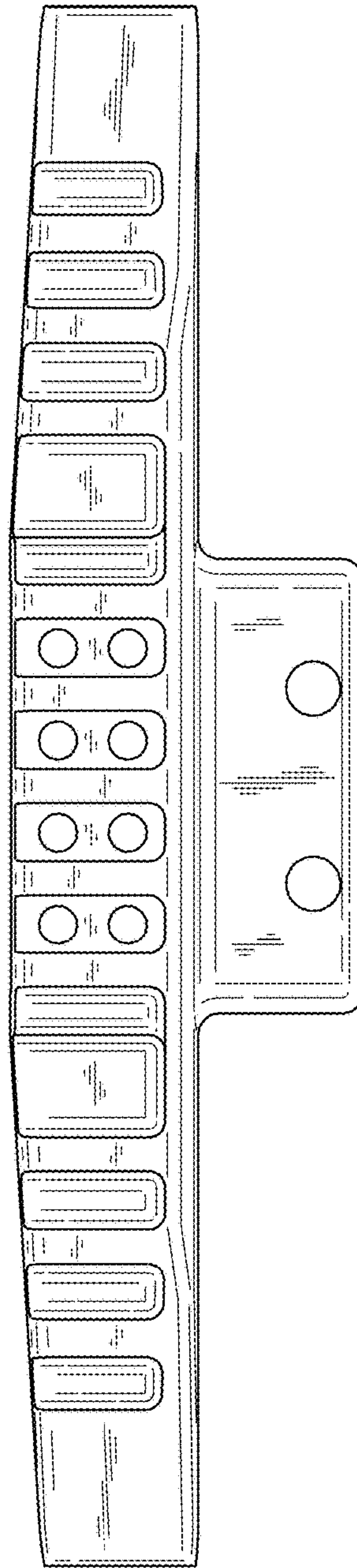


FIG. 5

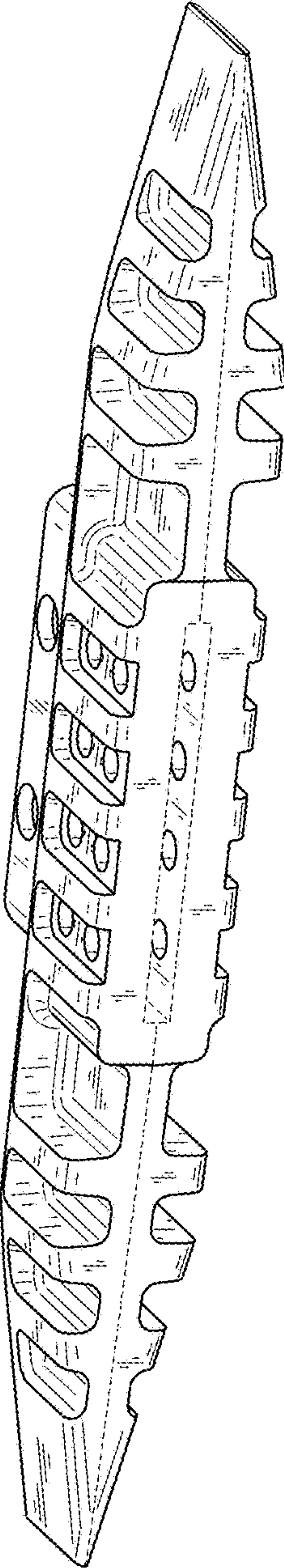


FIG. 6

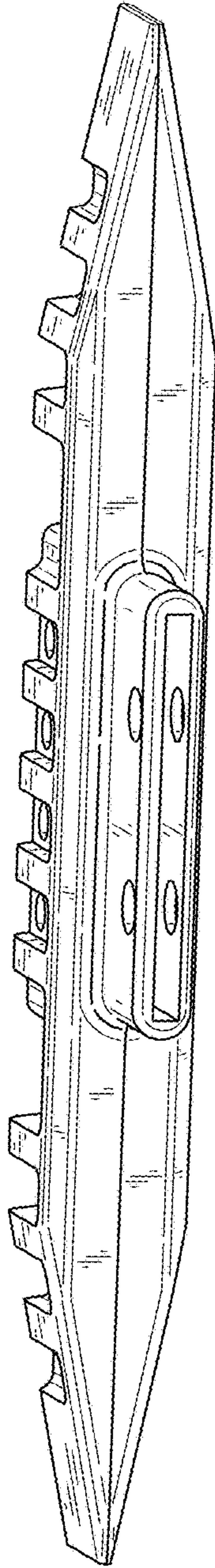


FIG. 7

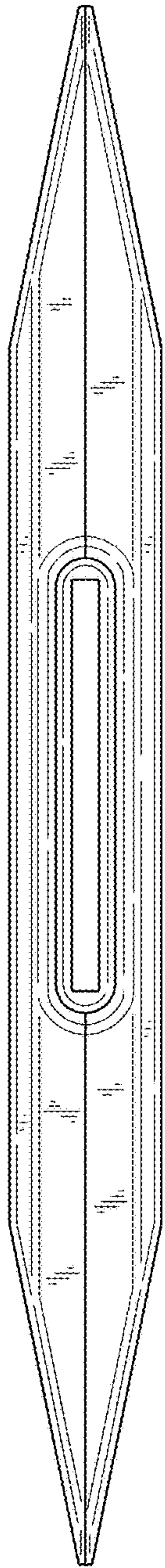


FIG. 8

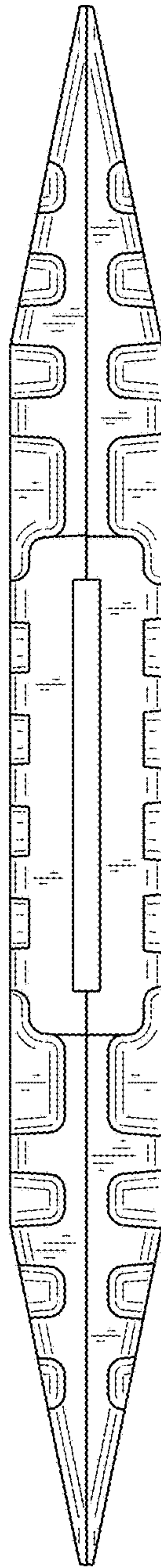


FIG. 9

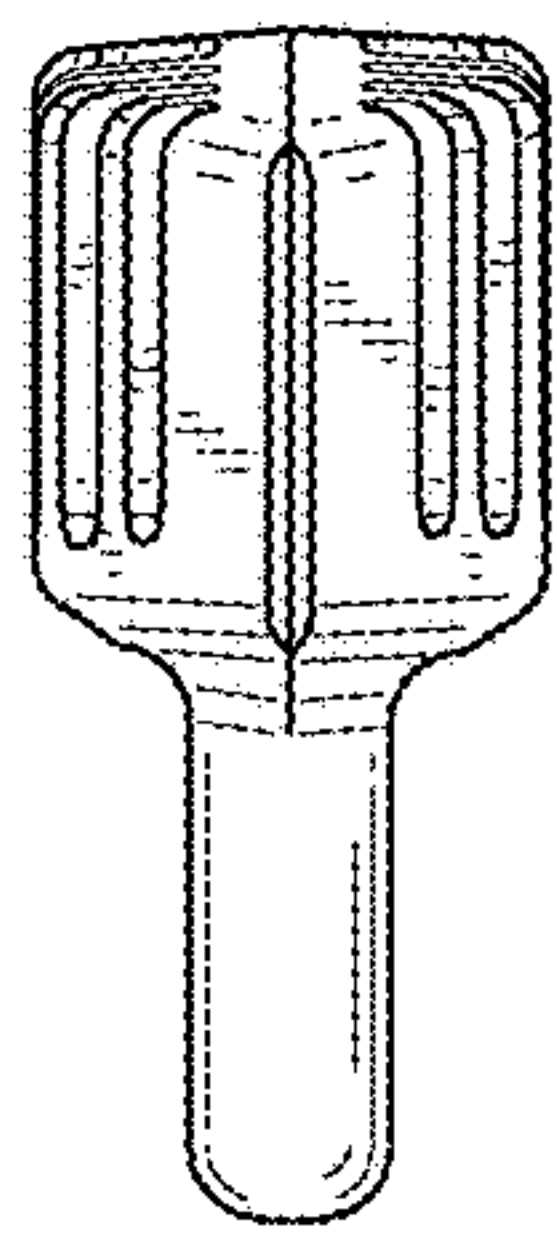


FIG. 10

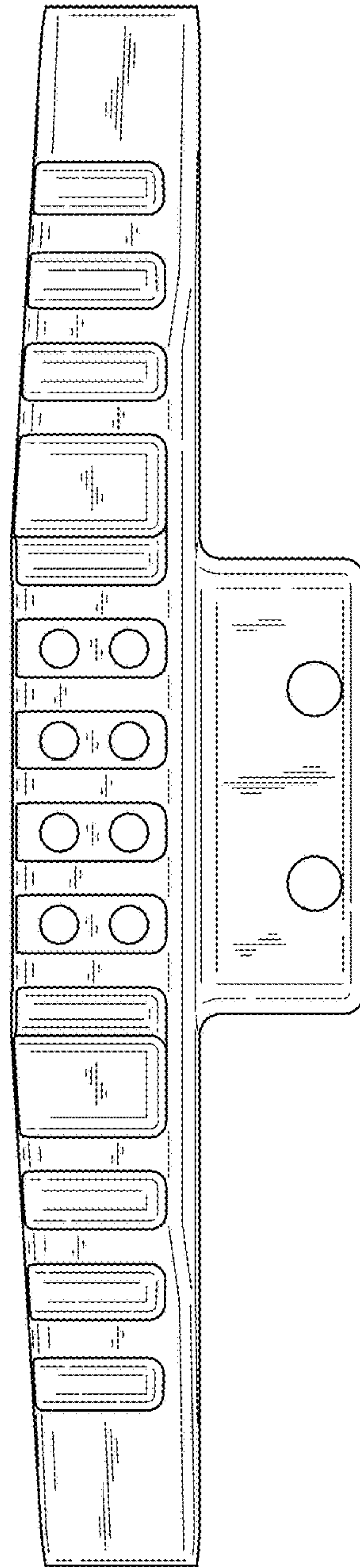


FIG. 11

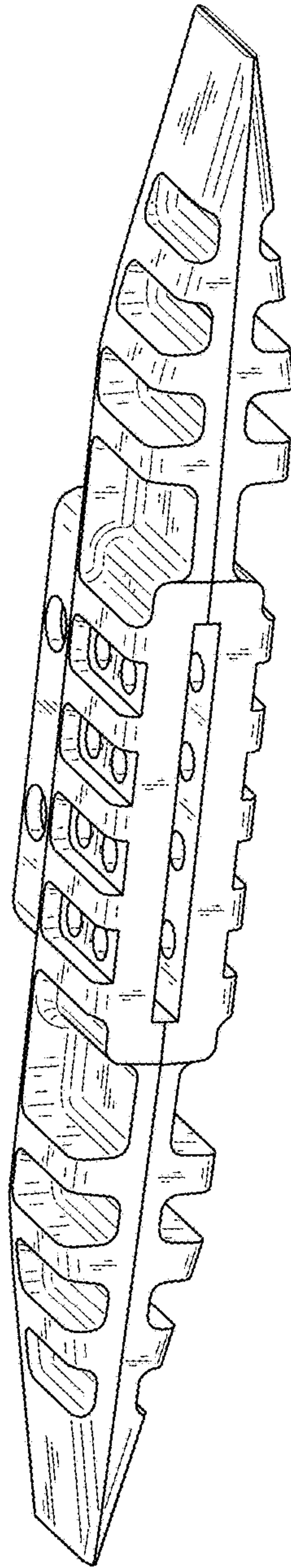


FIG. 12