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(12) **United States Design Patent** (10) **Patent No.:** **US D776,615 S**
Manhart et al. (45) **Date of Patent:** **** Jan. 17, 2017**

- (54) **CONNECTION OF TWO ANGLED BUS BARS** 2,800,557 A 7/1957 Swain
- 2,877,289 A 3/1959 Schymik
- (71) Applicant: **SAI Advanced Power Solutions,** 2,913,513 A 11/1959 Dyer et al.
Elmhurst, IL (US) 2,942,157 A 7/1960 Davis
- 2,997,627 A 7/1961 Ellegood
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John Ryan, Island Lake, IL (US) 3,210,716 A 10/1965 Meacham
- 3,213,183 A 10/1965 Weimer et al.
- (73) Assignee: **SAI ADVANCED POWER** 3,243,663 A 3/1966 Rowe
SOLUTIONS, Elmhurst, IL (US) 3,346,687 A 10/1967 Giger et al.
- 3,356,906 A 12/1967 Lamb et al.

(Continued)

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

(21) Appl. No.: **29/539,826**

(22) Filed: **Sep. 17, 2015**

Related U.S. Application Data

(62) Division of application No. 29/437,940, filed on Nov. 21, 2012, now Pat. No. Des. 744,949.

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/121; D8/349**

(58) **Field of Classification Search**
USPC D8/349, 364, 366, 354, 363; D13/121, D13/154, 173; 174/68.2, 70 B, 71 B, 174/72 B, 72 TR, 86, 87, 88 B, 94 R, 174/99 B, 129 B, 133 B, 149 B; 439/212, 439/213; 361/648, 649, 650, 651
CPC H02G 5/002; H02G 5/005; H02G 5/007; H02G 5/02; H02G 5/025; H02G 1/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,691,422 A 11/1928 Aalborg
- 1,840,887 A 1/1932 De Mask
- 2,356,708 A 10/1941 Sileck
- 2,297,170 A 9/1942 Rudd
- 2,430,510 A 11/1947 Hoyer
- 2,468,614 A 4/1949 Carlson
- 2,606,957 A 8/1952 Rypinski

OTHER PUBLICATIONS

U.S. Appl. No. 29/437,940, filed Nov. 21, 2012.

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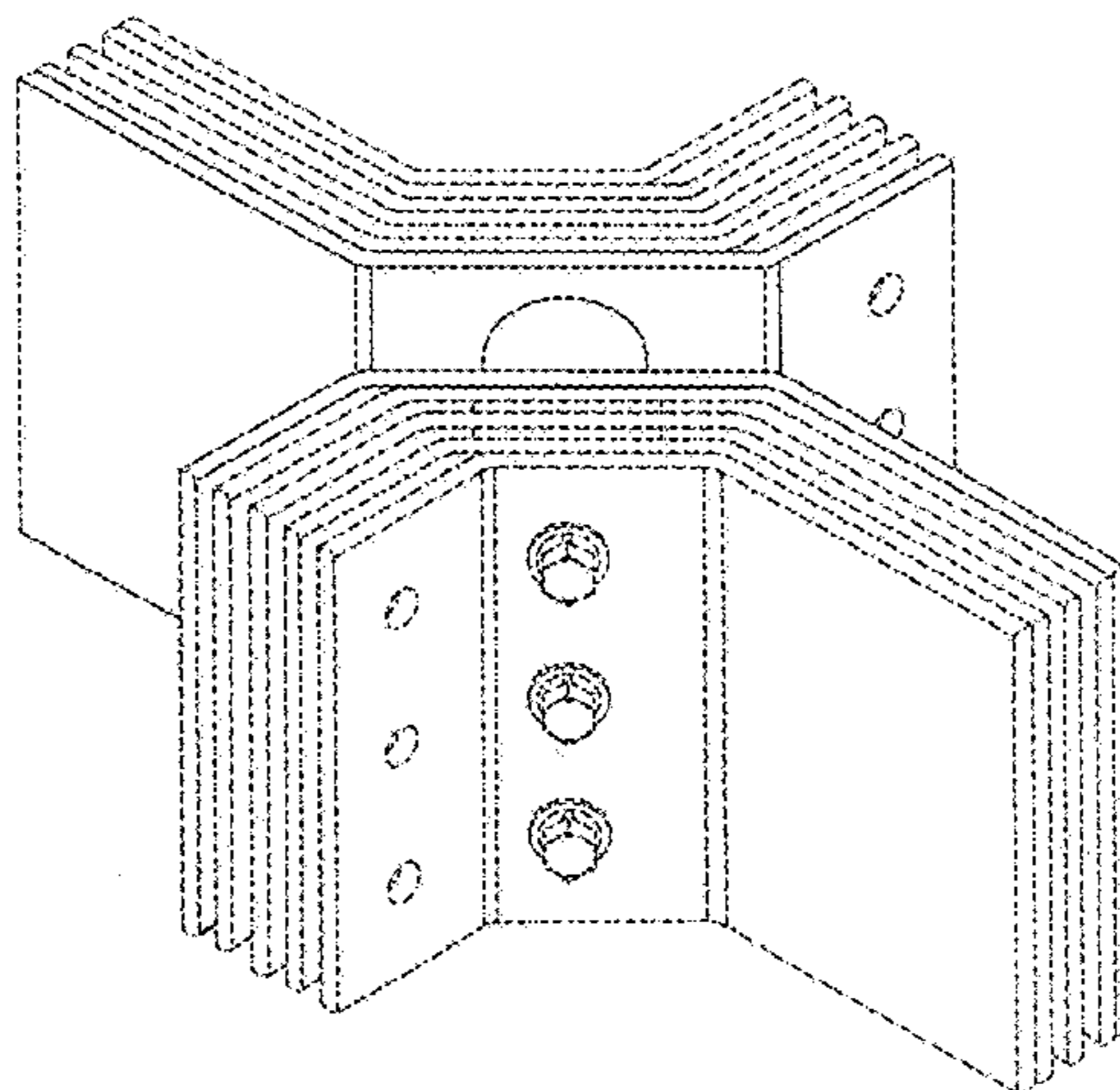
(57) **CLAIM**

We claim the ornamental design for a connection of two angled bus bars, as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of a connection of two angled bus bars showing our new design, the broken line elements form no part of the claimed design;
 FIG. 2 is a top view thereof;
 FIG. 3 is a right side view thereof;
 FIG. 4 is a left side view thereof;
 FIG. 5 is a front view thereof;
 FIG. 6 is a back view thereof;
 FIG. 7 is an isometric view of a second embodiment of a connection of two angled bus bars showing our new design, the broken line elements form no part of the claimed design;
 FIG. 8 is a top view thereof;
 FIG. 9 is a right side view thereof;
 FIG. 10 is a left side view thereof;
 FIG. 11 is a front view thereof; and,
 FIG. 12 is a back view thereof.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,411,042	A	11/1968	Klein
3,730,971	A	5/1973	Durham et al.
4,401,846	A	8/1983	Sato et al.
4,722,703	A	2/1988	Hufnagl
5,053,918	A	10/1991	Norden
5,124,881	A	6/1992	Motoki
5,140,499	A	8/1992	Amano et al.
5,142,439	A	8/1992	Huggett et al.
D329,638	S	9/1992	Sharp et al.
5,152,698	A	10/1992	Juhlin et al.
5,157,584	A	10/1992	Rowe
5,183,971	A	2/1993	Lafosse et al.
5,847,321	A	12/1998	Carle et al.
6,024,589	A	2/2000	Hahn, IV et al.
6,040,976	A	3/2000	Bruner et al.
6,111,745	A	8/2000	Wilkie, II et al.
6,205,017	B1	3/2001	Wilkie, II et al.
6,629,854	B2	10/2003	Murakami
6,748,651	B2	6/2004	Miyajima et al.
6,762,362	B1	7/2004	Cavanaugh et al.
7,414,828	B2	8/2008	Birner
7,718,895	B2	5/2010	Rodriguez
D636,727	S	4/2011	Sakae
7,952,025	B2	5/2011	Diaz et al.
7,952,026	B2	5/2011	Ramsey
D647,055	S	10/2011	Sakae
D647,056	S	10/2011	Sakae
8,173,899	B2	5/2012	Doring et al.
8,284,541	B2	10/2012	Shea et al.
8,305,739	B2	11/2012	Dozier
2001/0050178	A1	12/2001	Zachrai
2005/0233625	A1	10/2005	Faulkner
2011/0221205	A1	9/2011	Haar et al.
2013/0003265	A1	1/2013	Rodrigues et al.

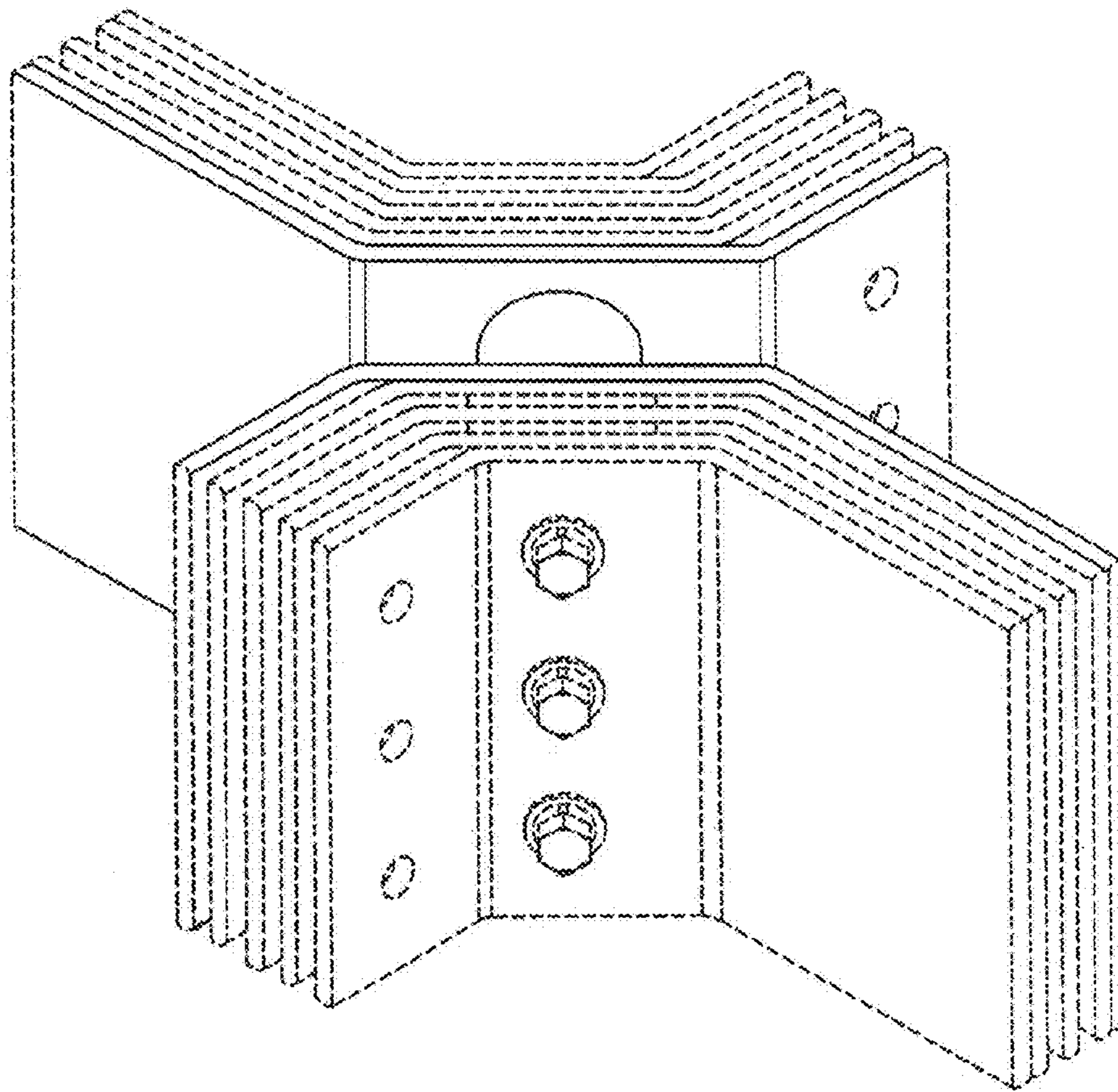


FIG. 1

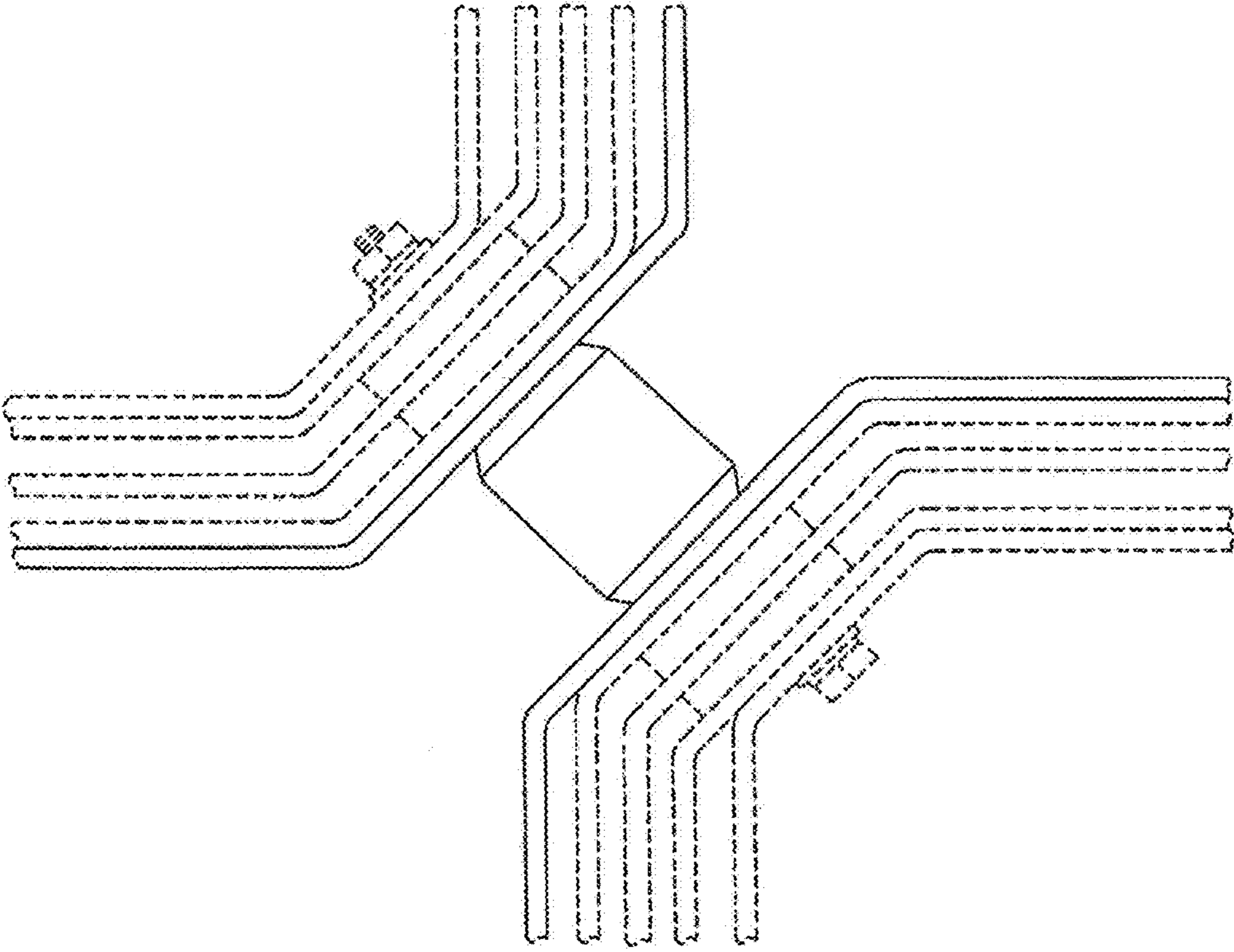


FIG. 2

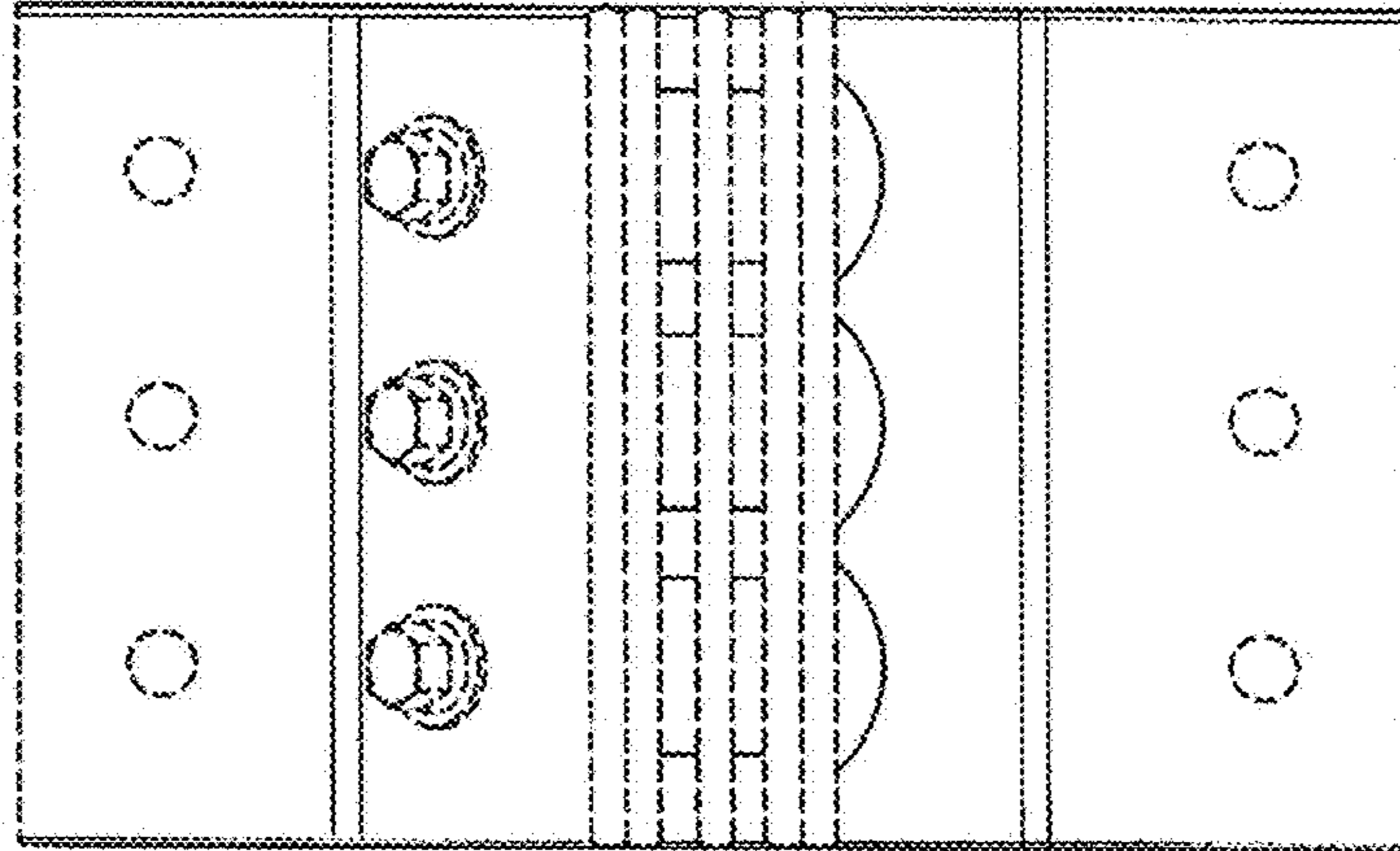


FIG. 3

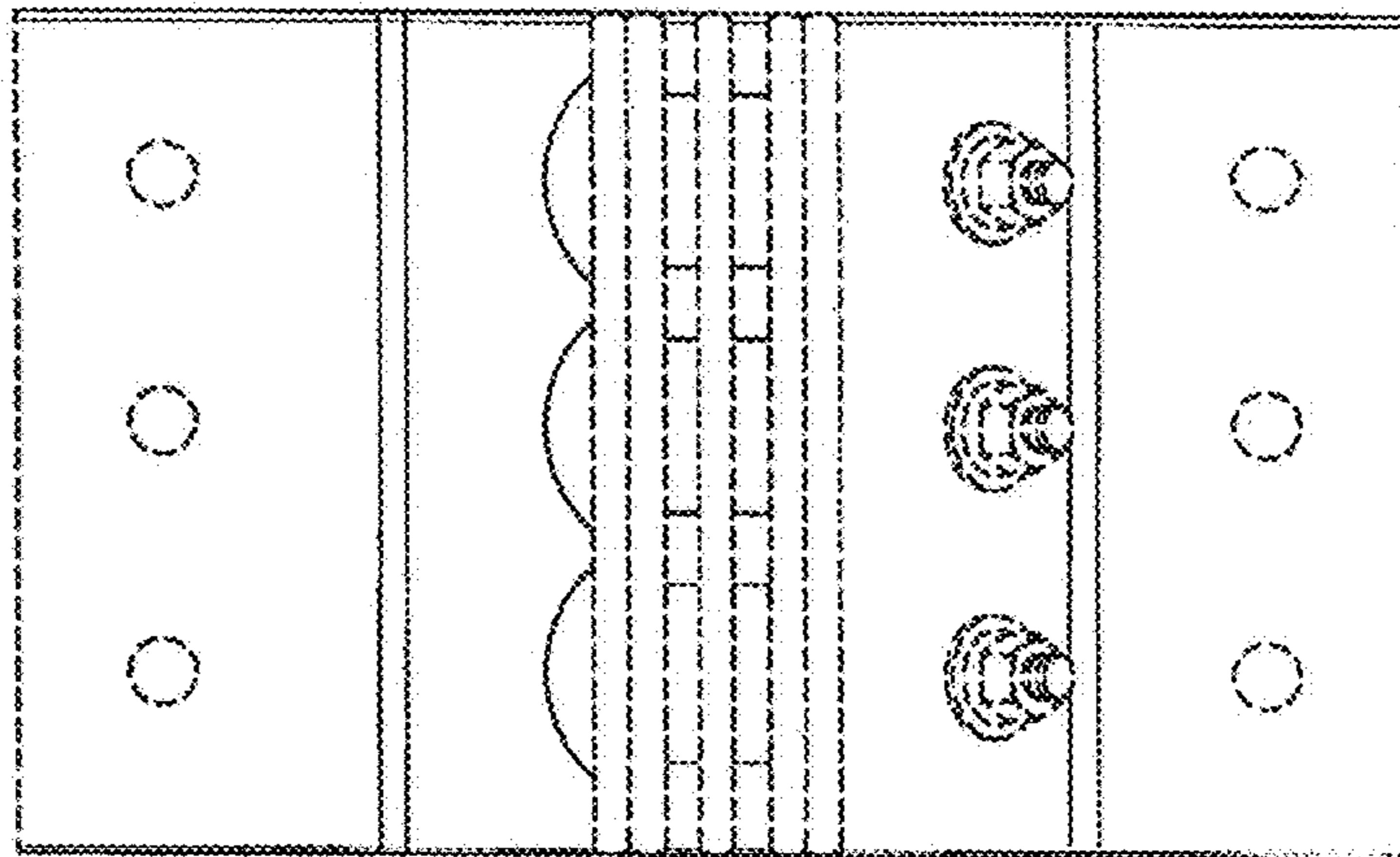


FIG. 4

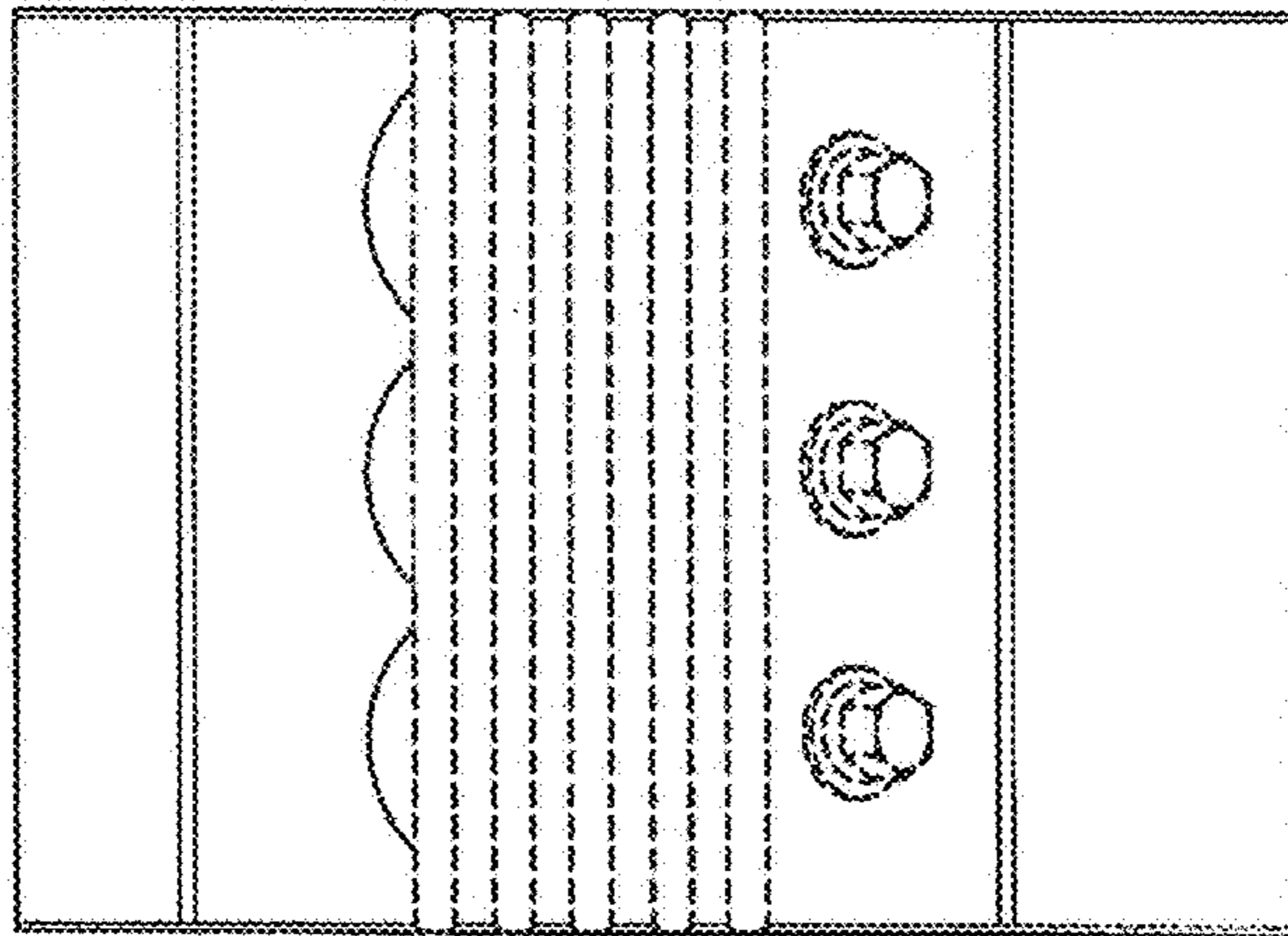


FIG. 5

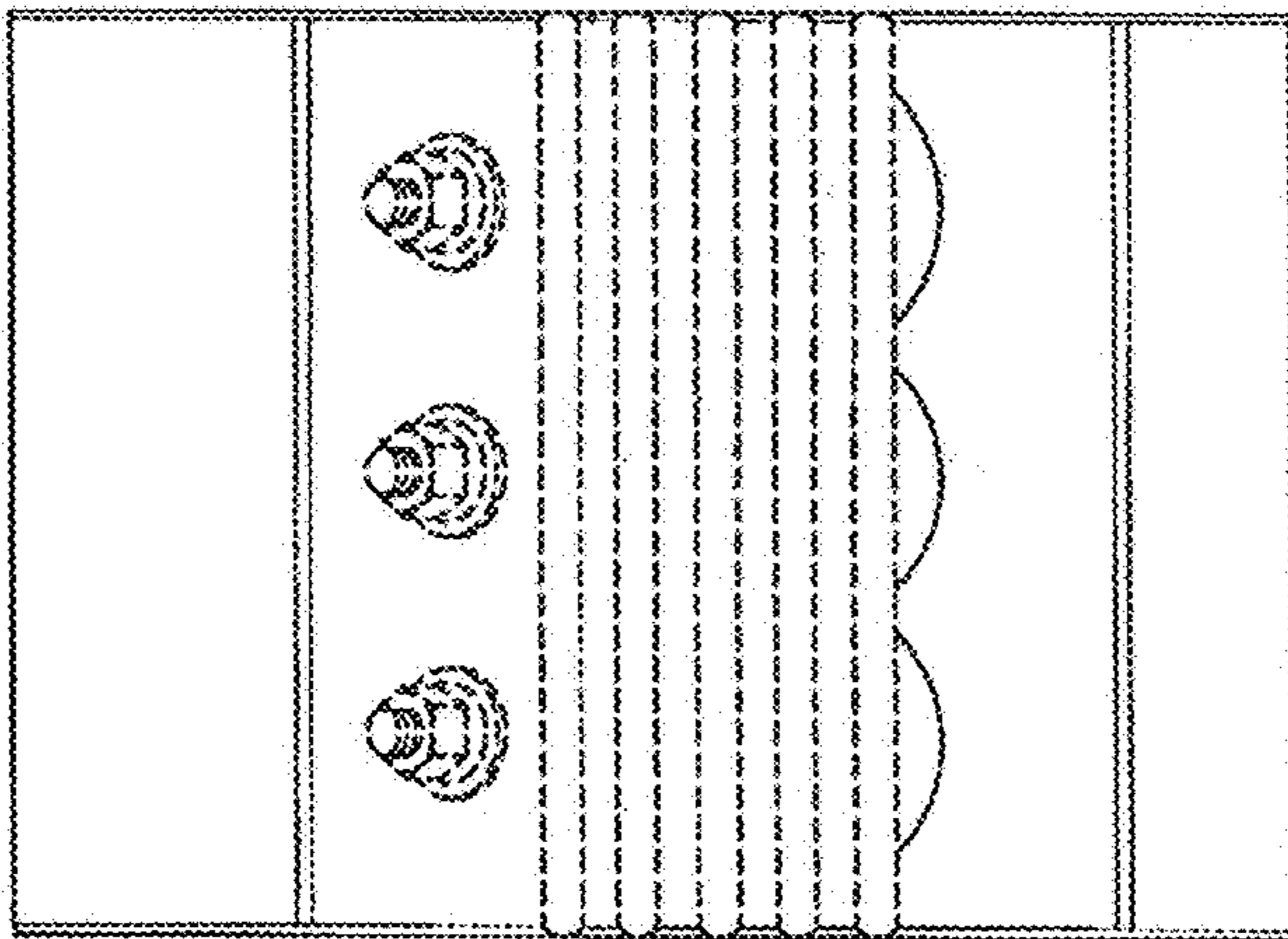


FIG. 6

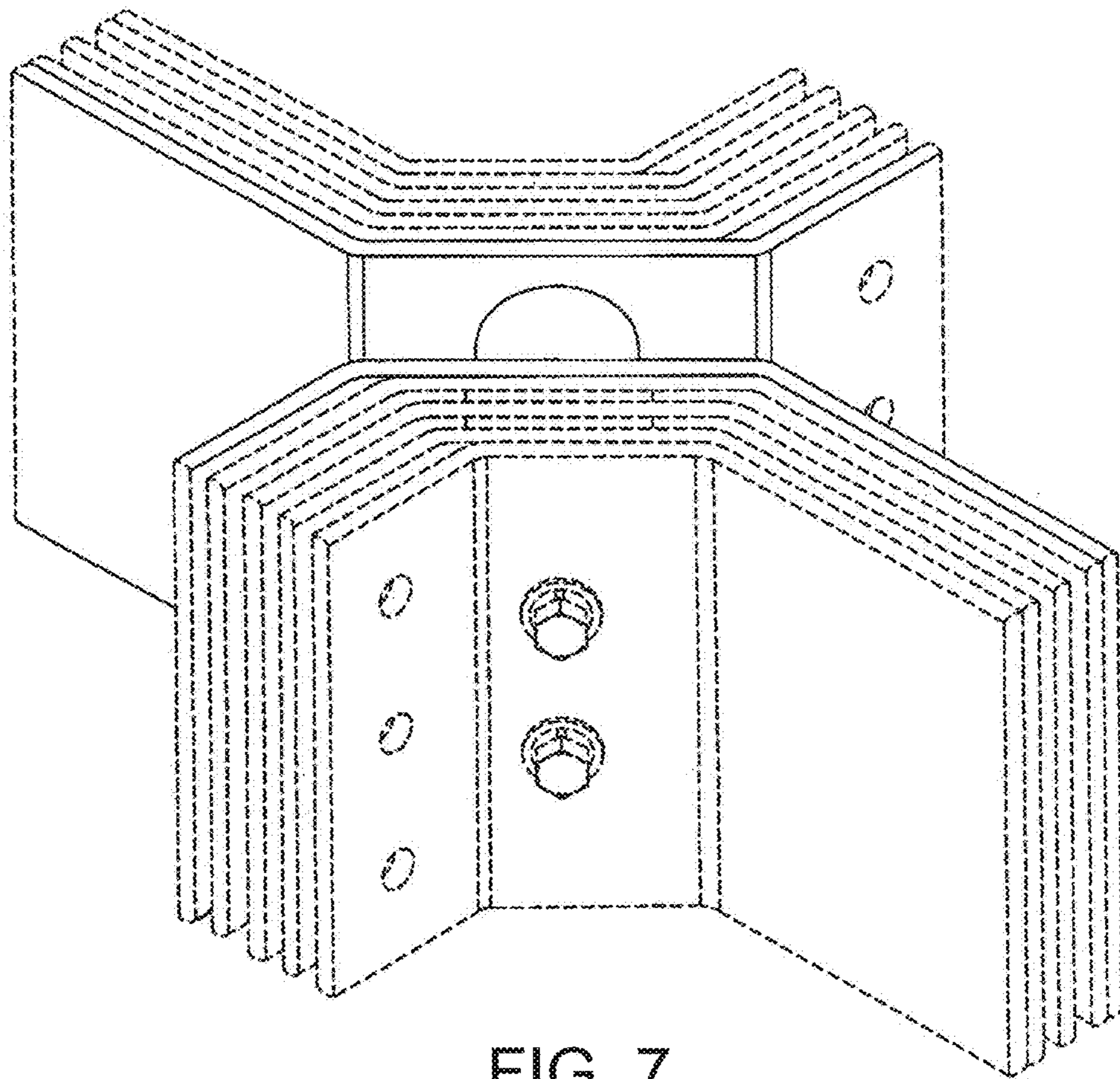


FIG. 7

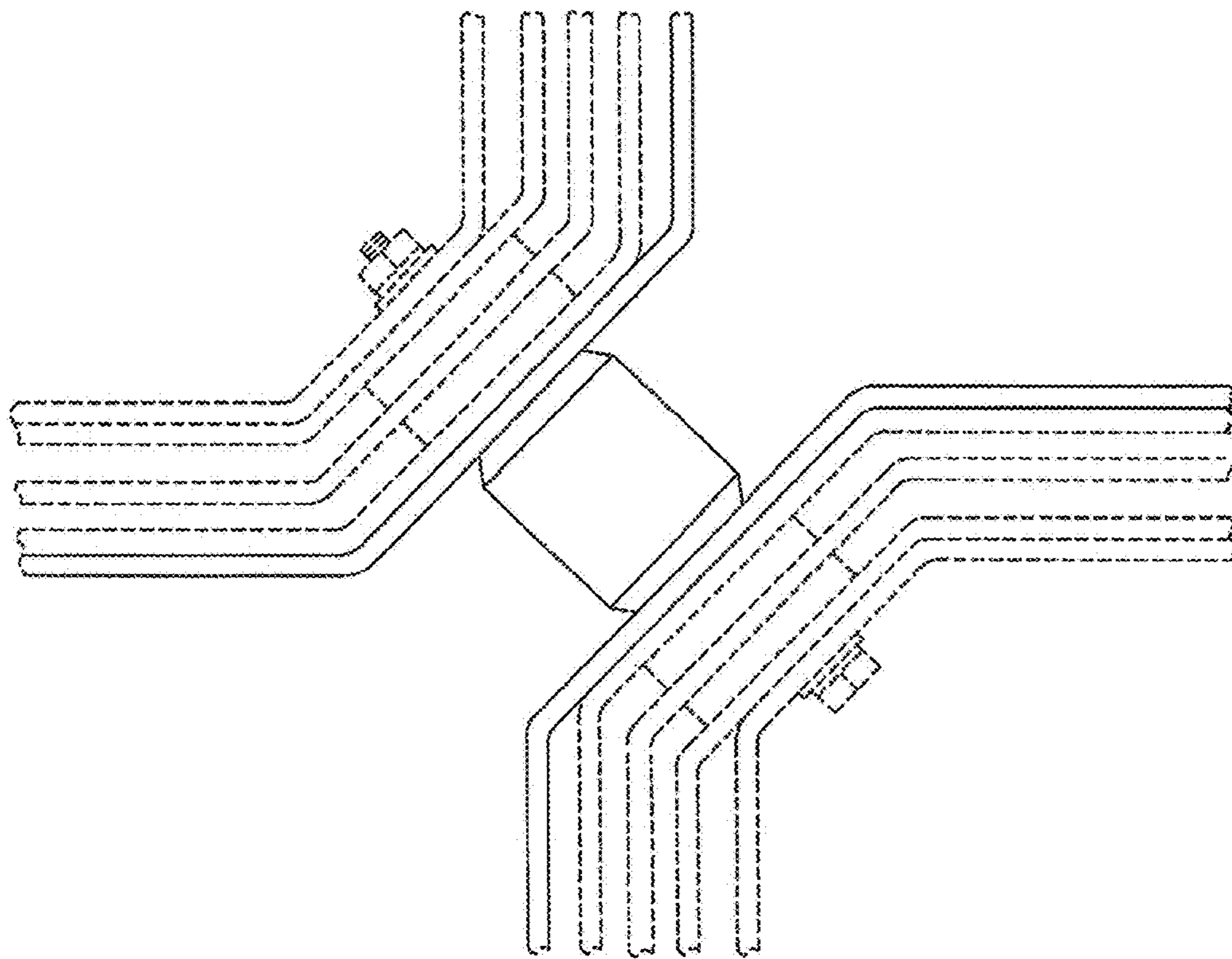


FIG. 8

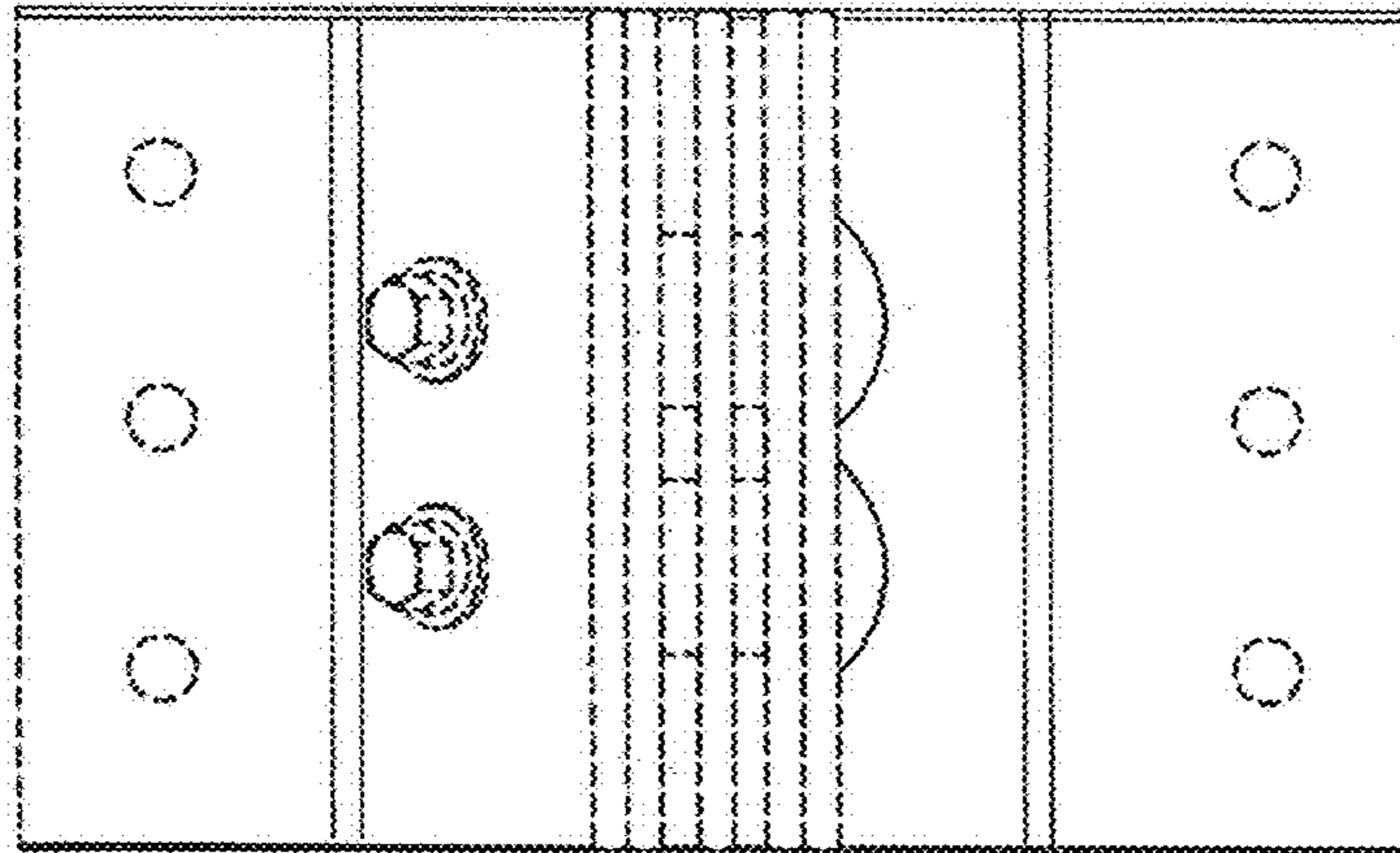


FIG. 9

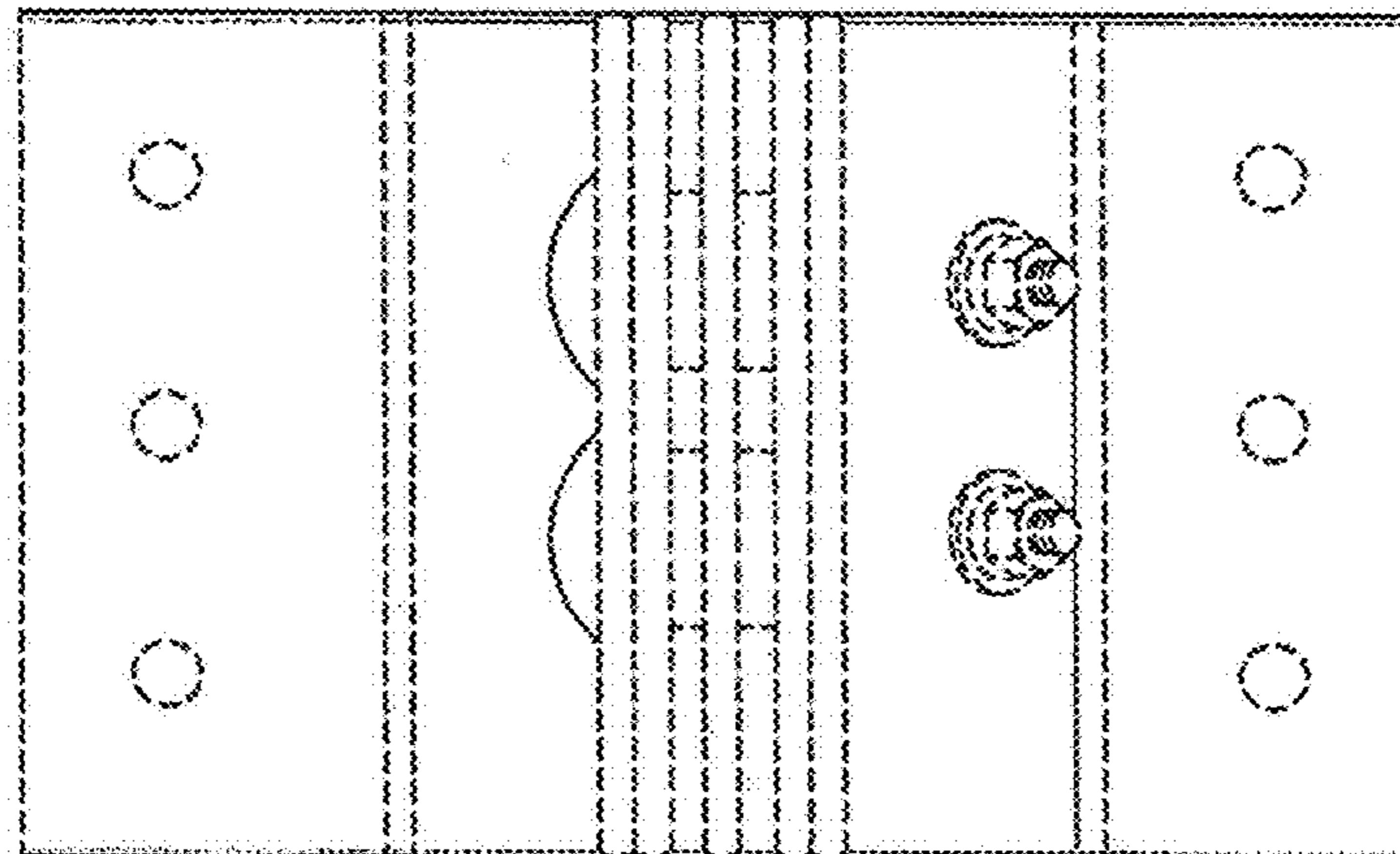


FIG. 10

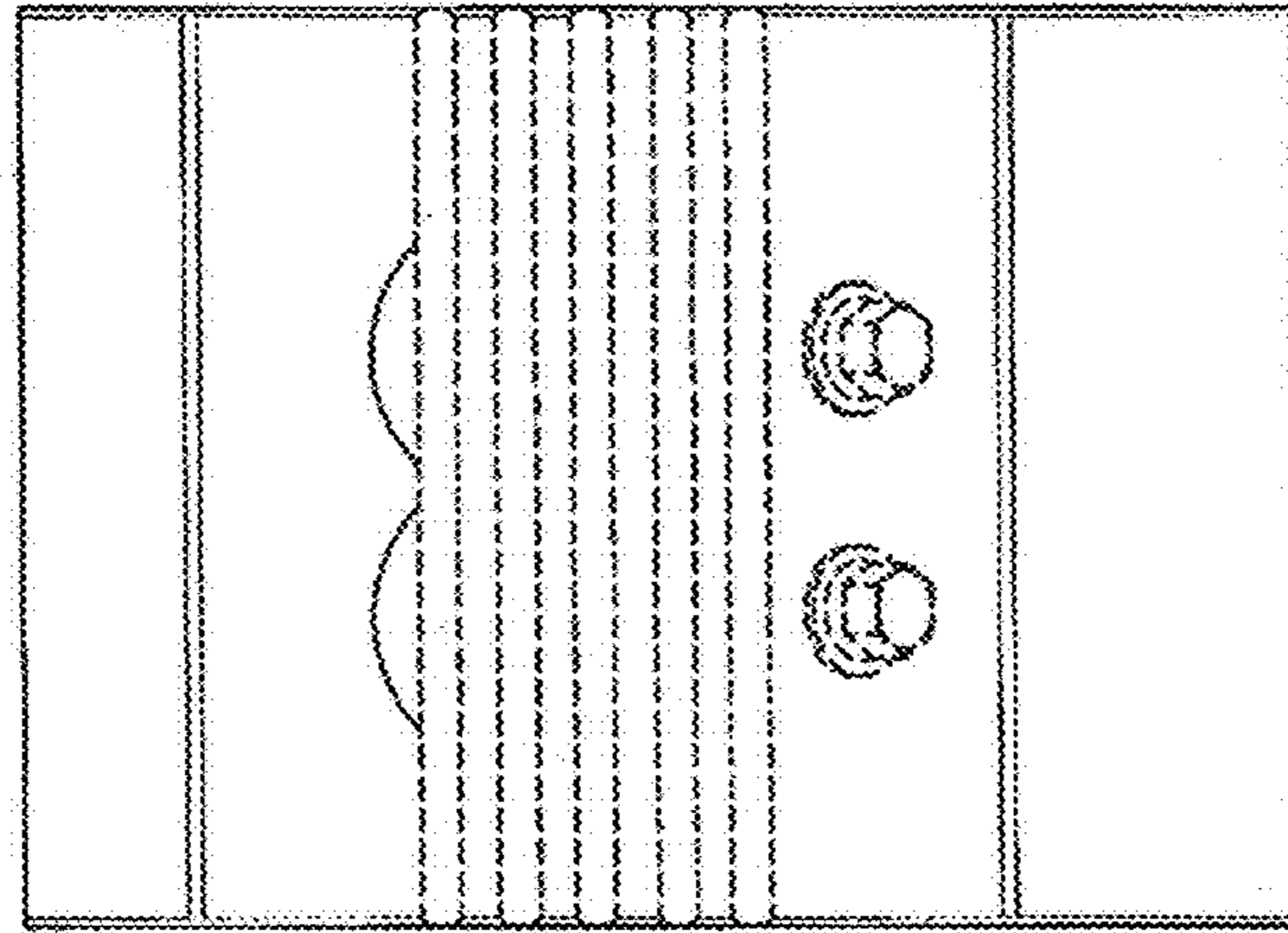


FIG. 11

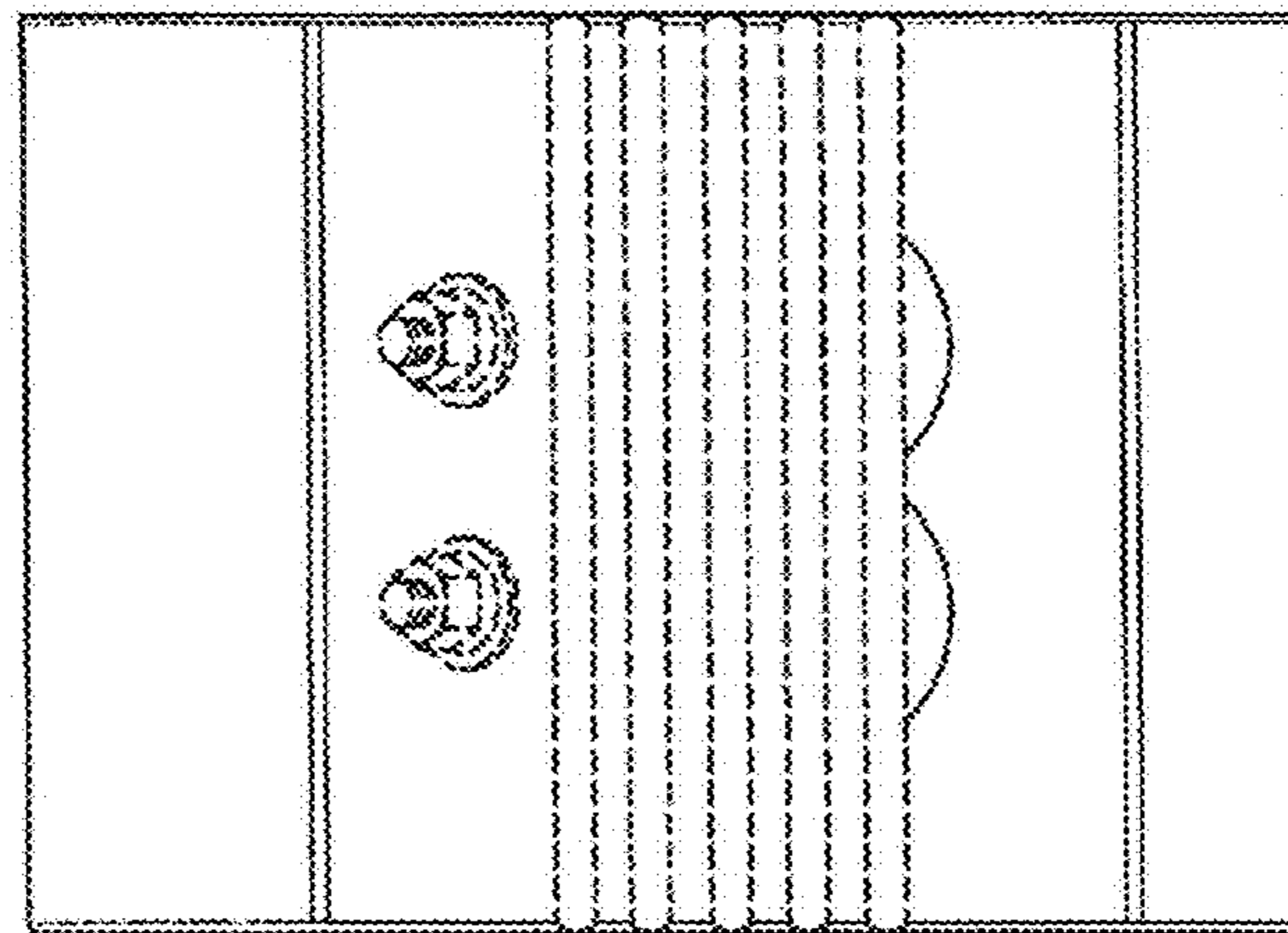


FIG. 12