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(12) **United States Design Patent** (10) **Patent No.:** **US D804,610 S**
Rubio et al. (45) **Date of Patent:** **** Dec. 5, 2017**

(54) **BIOREACTOR FOR TREATING BIODEGRADABLE CORN WASTEWATERS**

(56) **References Cited**

U.S. PATENT DOCUMENTS

(71) Applicant: **INVESTIGACION TECNICA AVANZADA, S.A. DE C.V.**, Guadalupe (MX)

5,348,803	A *	9/1994	Schlaemus	C02F 1/681 210/610
D372,307	S *	7/1996	Barringer	D23/208
D375,549	S *	11/1996	Sauer	D24/101
D516,668	S *	3/2006	Costa	D23/208
D592,273	S *	5/2009	Eisch	D23/207
D612,906	S *	3/2010	Reid	D23/209
D615,149	S *	5/2010	Reid	D23/209
D666,286	S *	8/2012	Chery	D24/101
8,673,150	B2 *	3/2014	Pearson	C02F 3/343 210/606

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* cited by examiner

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

Primary Examiner — Robin V Webster

(21) Appl. No.: **29/542,023**

(74) *Attorney, Agent, or Firm* — Young & Thompson

(22) Filed: **Oct. 9, 2015**

(57) **CLAIM**

The ornamental design for a bioreactor for treating biodegradable corn wastewaters, as shown and described.

(30) **Foreign Application Priority Data**

DESCRIPTION

Aug. 6, 2015 (MX) MX/f/2015-002431

(51) **LOC (10) Cl.** **23-01**

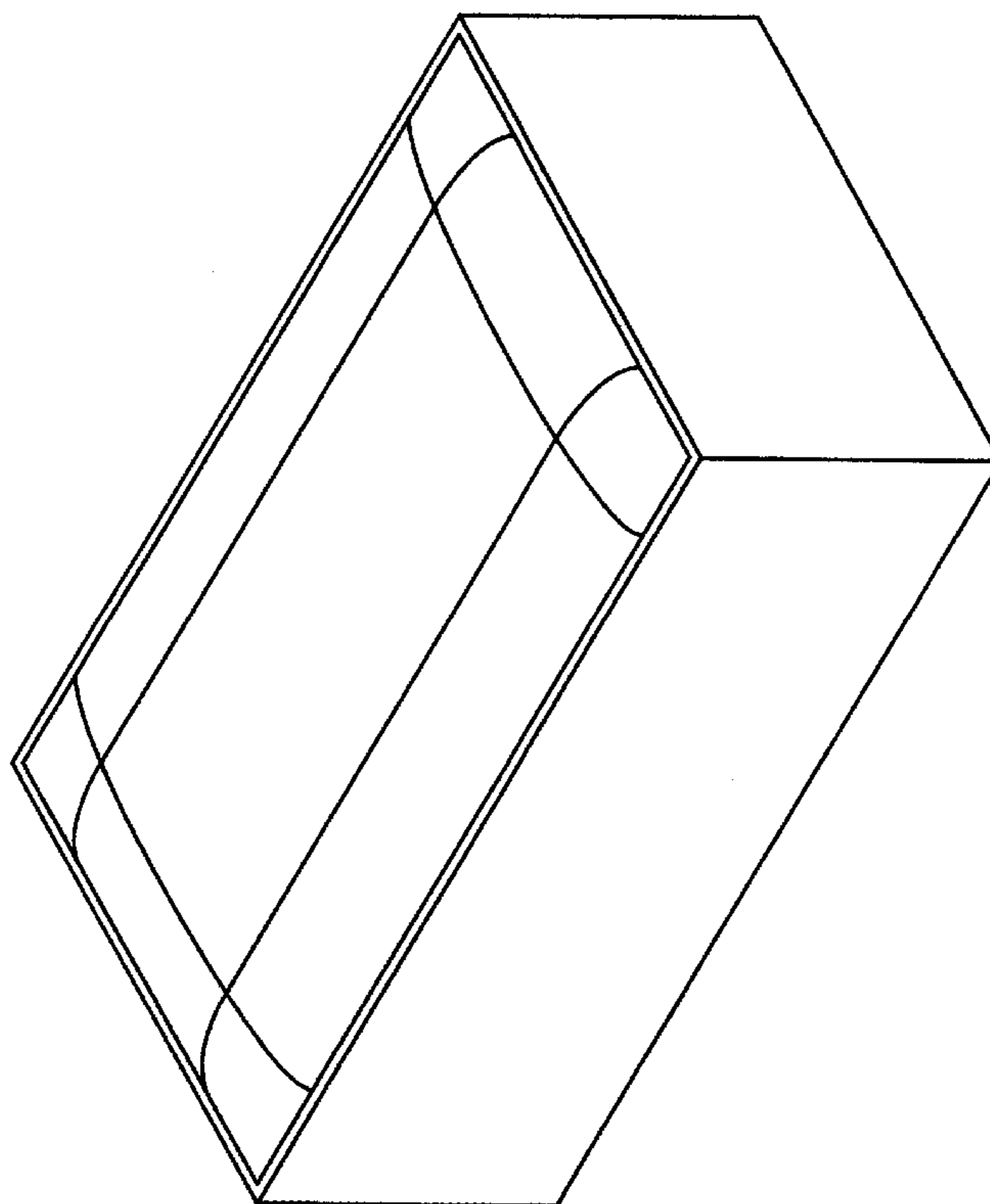
(52) **U.S. Cl.**
USPC **D23/207; D24/101**

(58) **Field of Classification Search**
USPC **D23/207-209; 210/601, 605, 610; D24/101**

FIG. 1 is a top, front and left side perspective view of a bioreactor for treating biodegradable corn wastewaters; FIG. 2 is a top plan view thereof; FIG. 3 is both a front and rear elevation view thereof; and, FIG. 4 is both a left side and right side elevation view thereof.

See application file for complete search history.

1 Claim, 4 Drawing Sheets



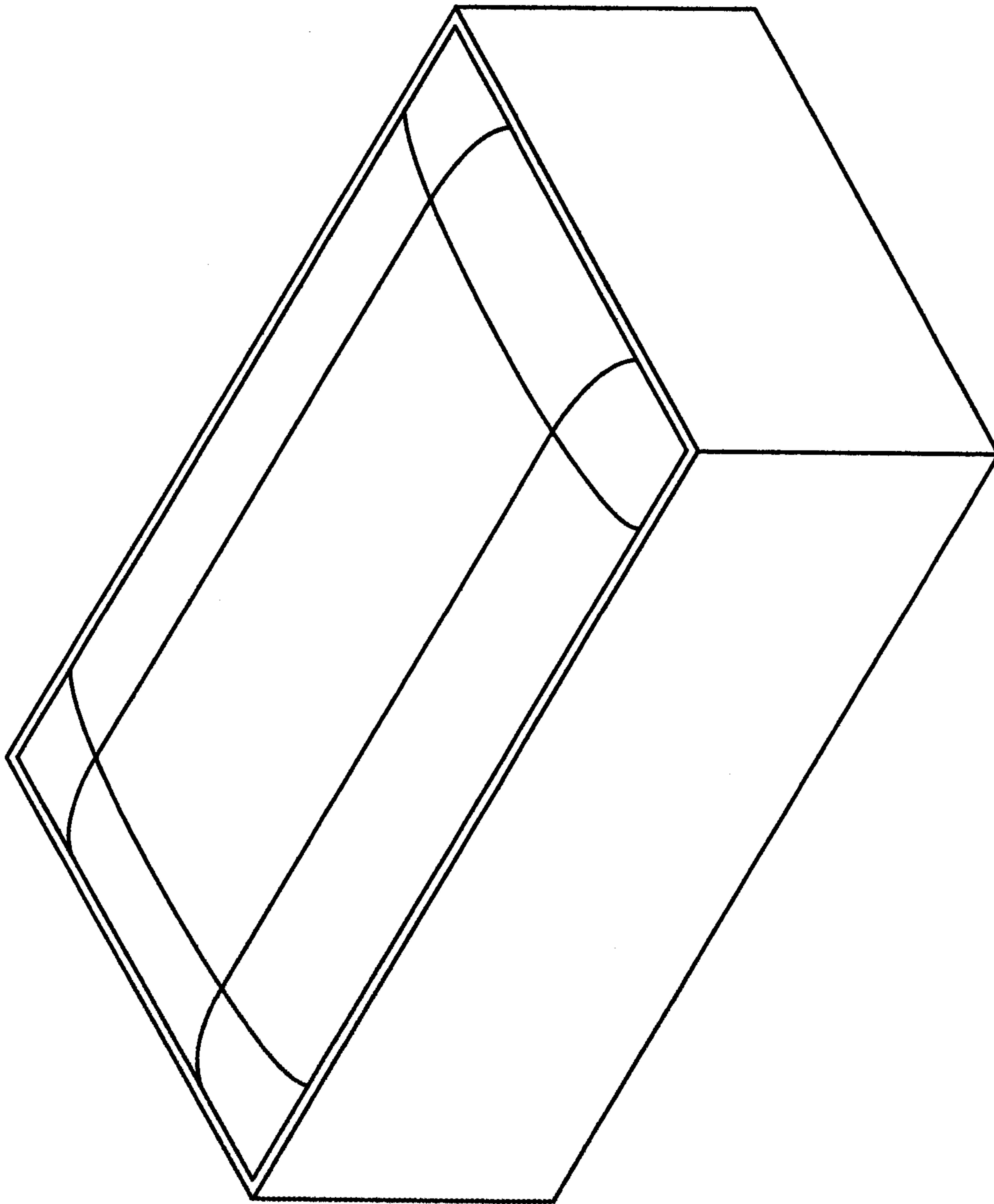


FIGURE 1

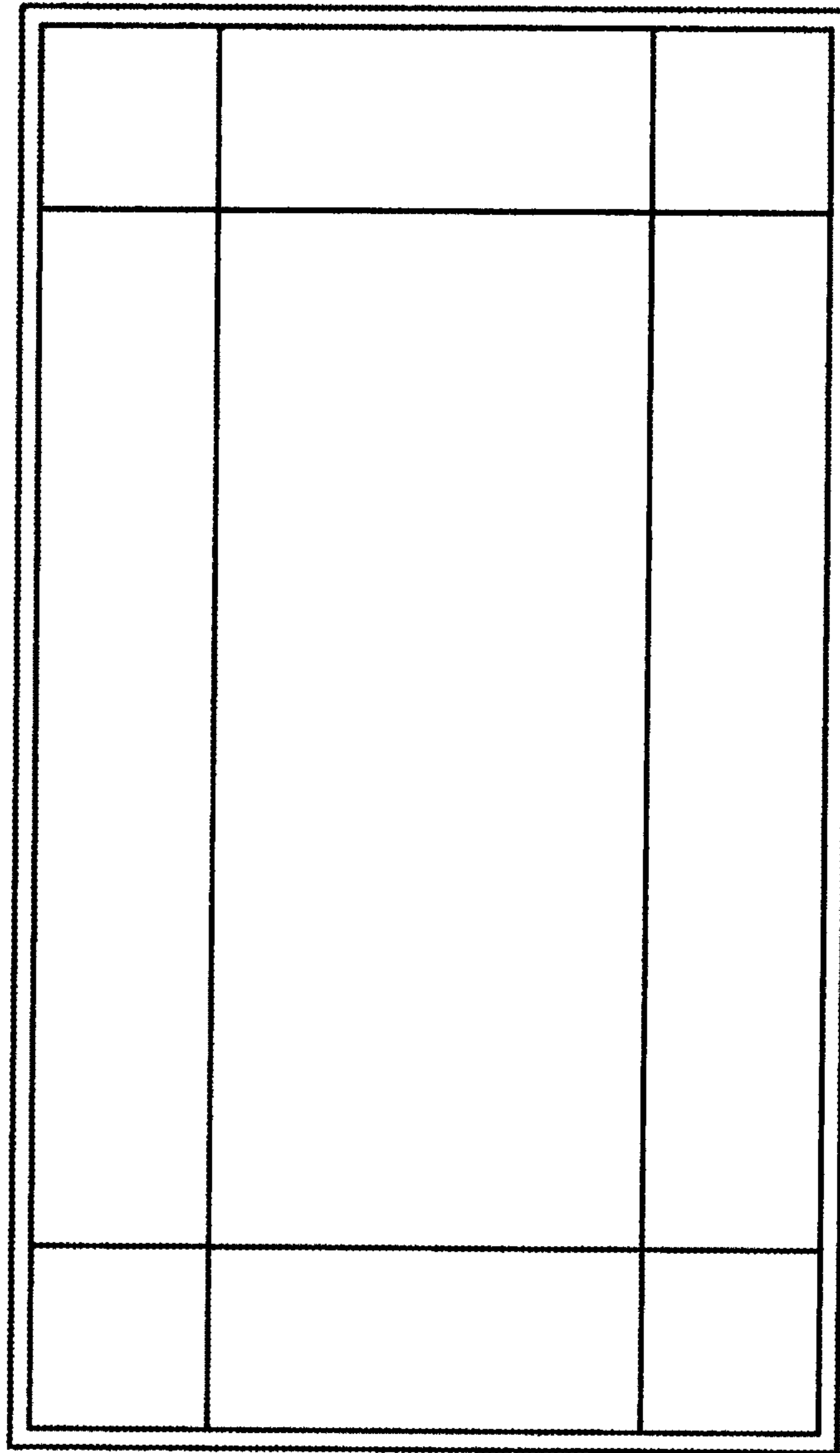


FIGURE 2

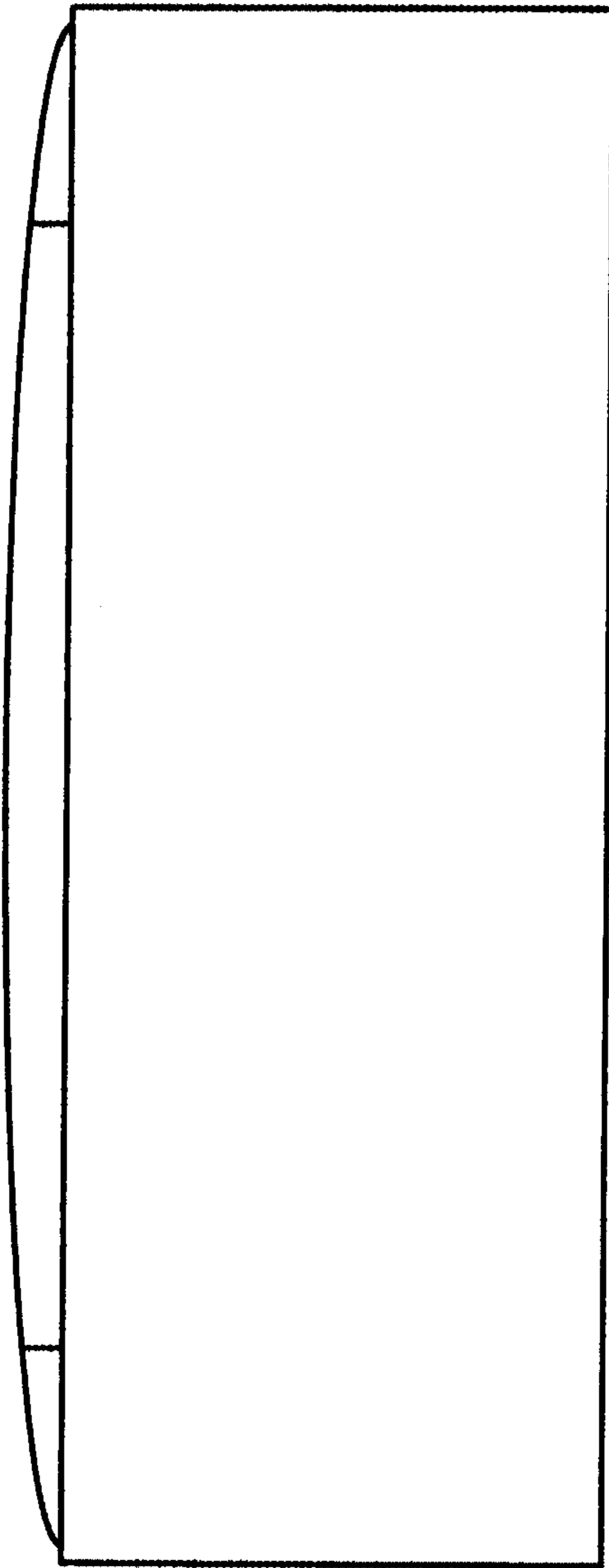


FIGURE 3

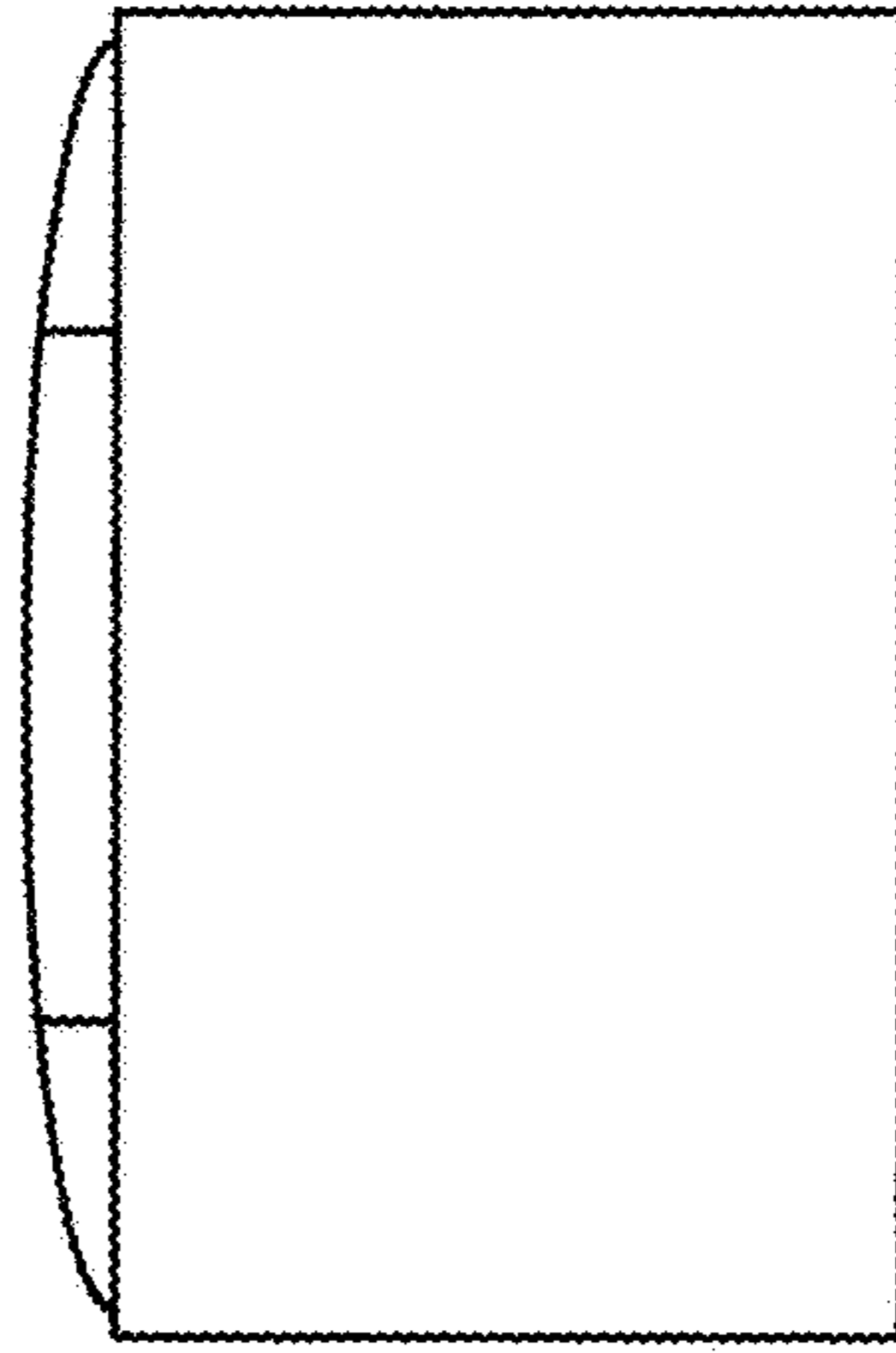


FIGURE 4