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(12) United States Design Patent

Okuwaki

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US D628,166 S

(45) **Date of Patent:**

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(54) LIGHT-EMITTING DIODE

(75) Inventor: Masaki Okuwaki, Fujiyoshida (JP)

(73) Assignee: Citizen Electronics Co., Ltd.,

Yamanashi (JP)

(**) Term: 14 Years

(21) Appl. No.: 29/344,638

(22) Filed: Oct. 1, 2009

Related U.S. Application Data

(62) Division of application No. 29/327,796, filed on Nov. 13, 2008.

(30) Foreign Application Priority Data

May 13, 2008	(JP)	
May 13, 2008	(JP)	
Oct. 8, 2008	(JP)	
Oct. 8, 2008		

(51)	LOC (9) Cl	13-03
(52)	U.S. Cl	D13/180
(58)	Field of Classification Search	D13/180;
	D26/2; 257/79, 80, 81, 88, 8	39, 95, 98, 99,
	257/100, E33.058; 313/483, 498, 5	500; 362/555,
		362/800

See application file for complete search history.

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Primary Examiner—Selina Sikder

(74) Attorney, Agent, or Firm—Browdy and Neimark, PLLC

(57) CLAIM

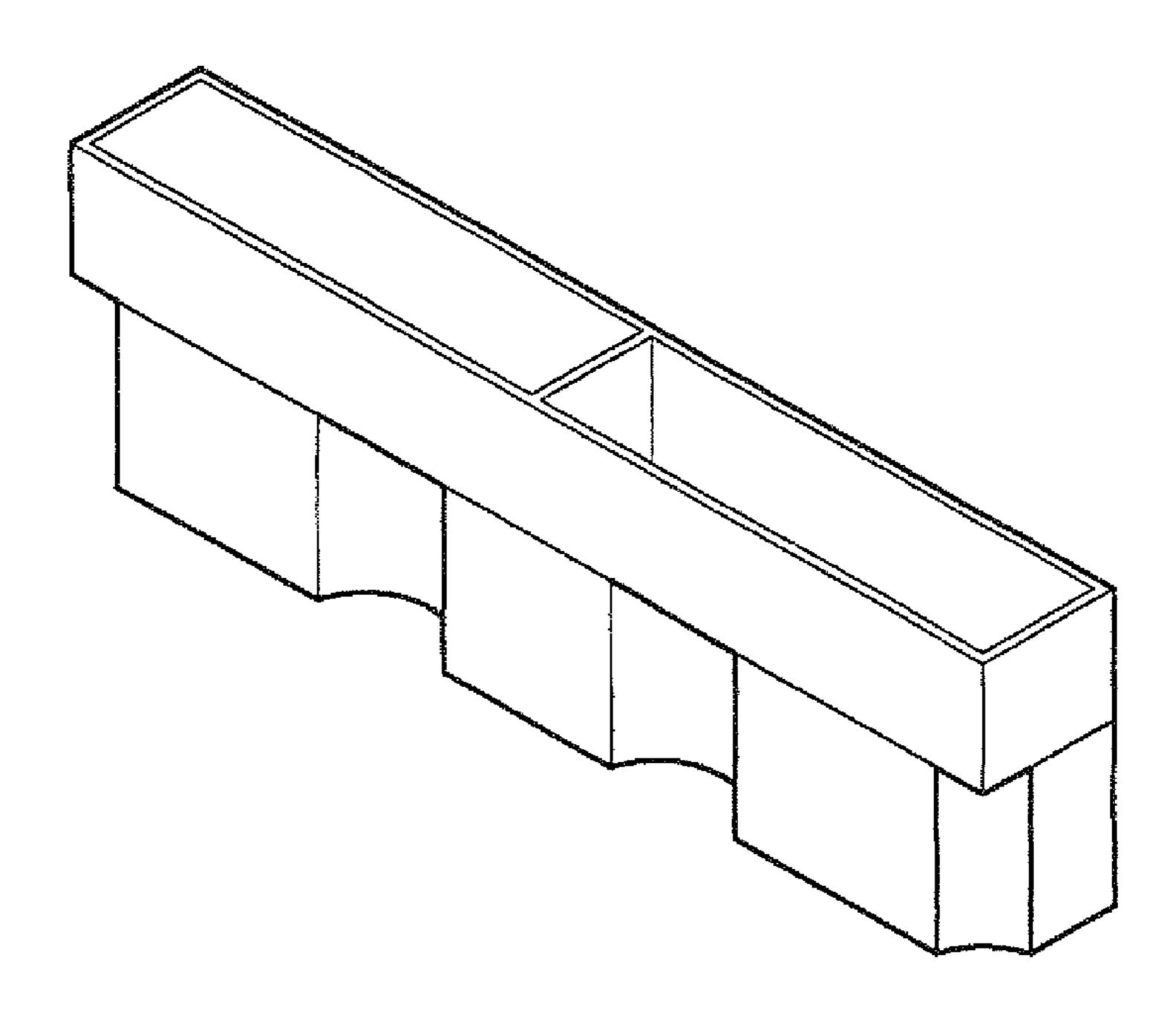
The ornamental design for a light-emitting diode, as shown and described here.

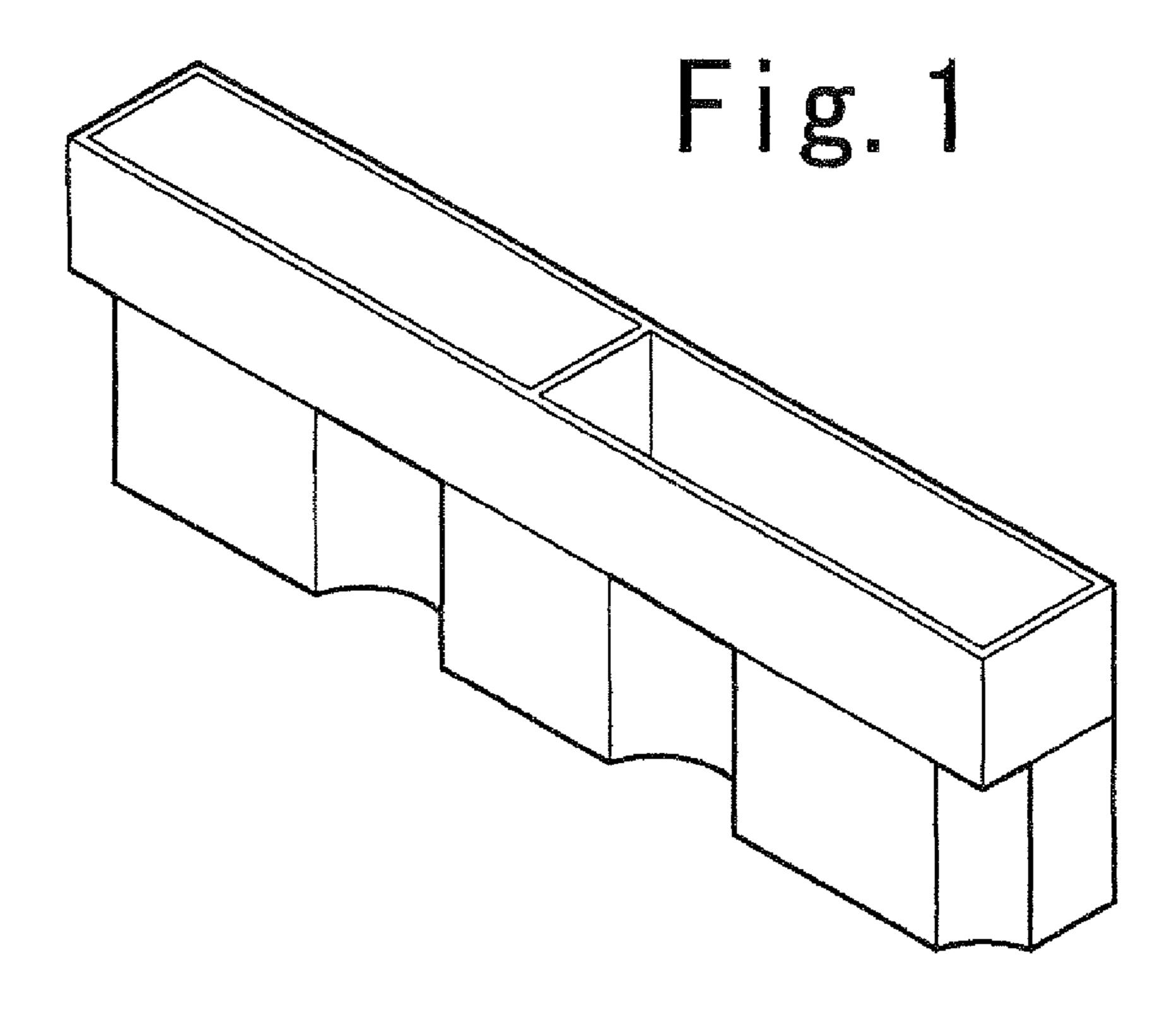
DESCRIPTION

- FIG. 1 is a perspective view of the light-emitting diode in accordance with my new design, showing an upper surface and side surfaces thereof as viewed from diagonally above;
- FIG. 2 is a perspective view thereof, showing a bottom surface and side surfaces thereof as viewed from diagonally above;
- FIG. 3 is a front elevation view thereof;
- FIG. 4 is a rear elevation view thereof;
- FIG. 5 is a top plan view thereof;
- FIG. 6 is a bottom plan view thereof;
- FIG. 7 is a left side elevation view thereof, (a right side view being a mirror image thereof); and,
- FIG. 8 is a cross-sectional view taken along line 8 in FIG. 5.

The article is a light-emitting diode (LED) including two resin-sealed portions, each sealing at least one LED element, and at least one of the two resin-sealed portions includes at least one fluorescent material.

1 Claim, 3 Drawing Sheets





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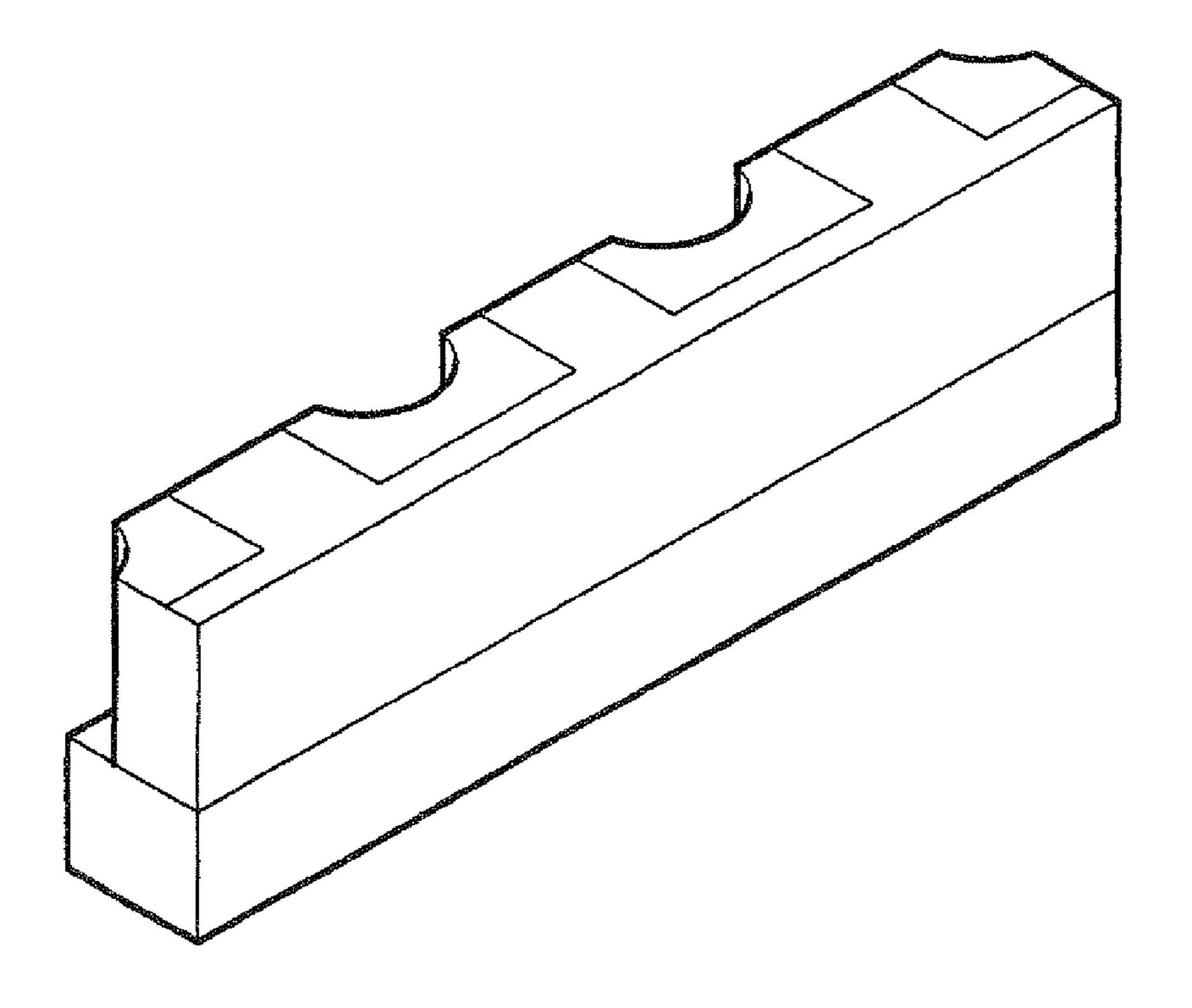


Fig. 3

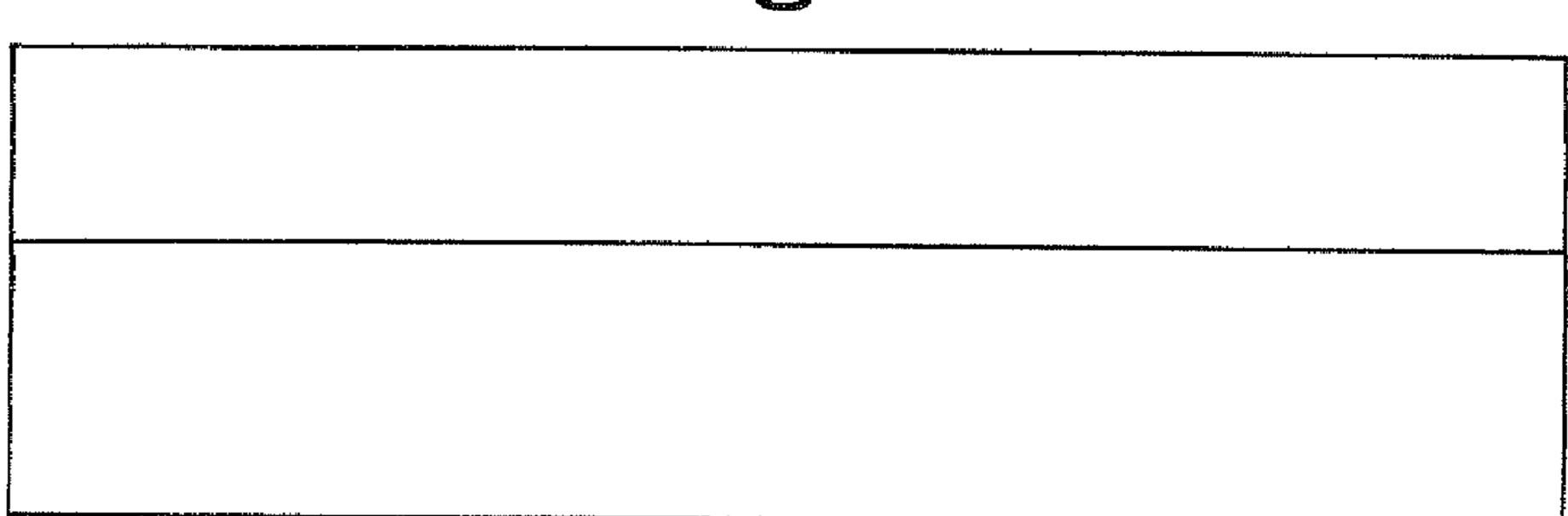


Fig. 4

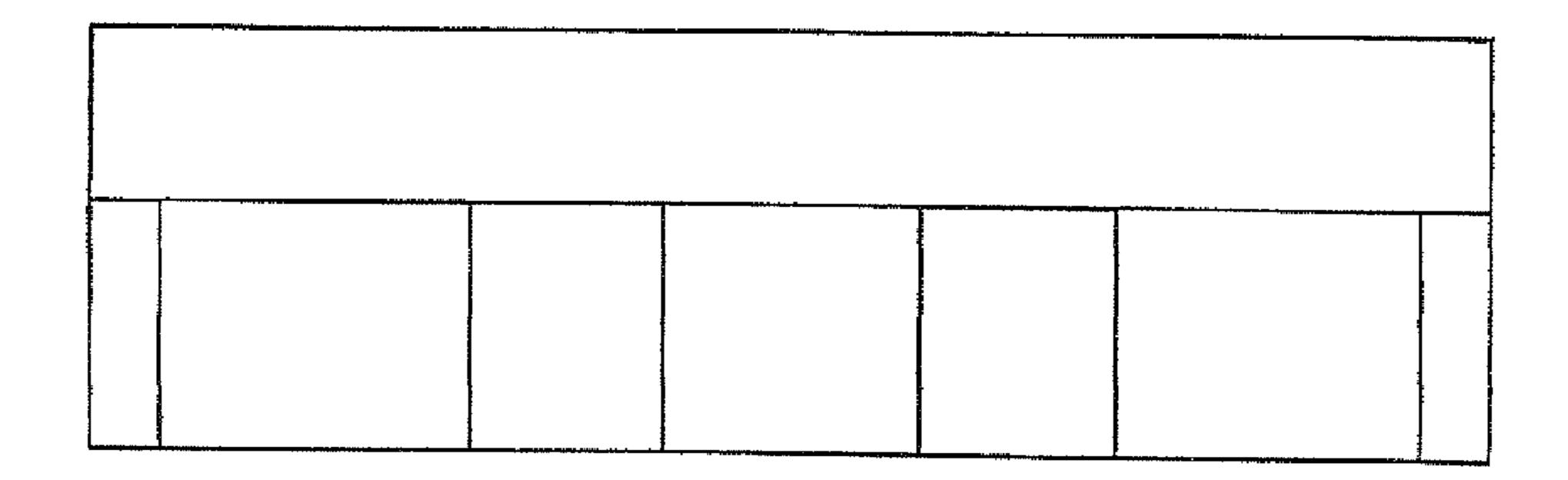
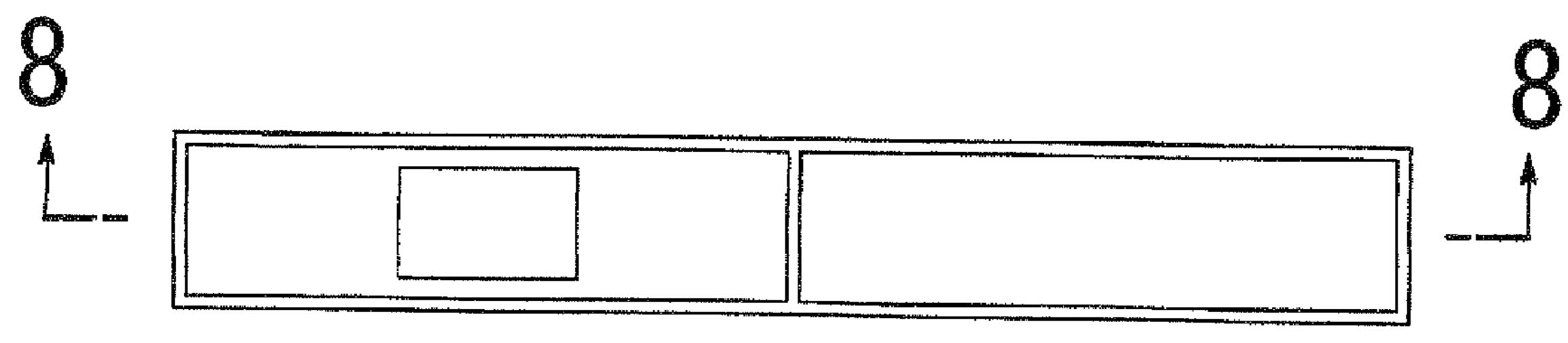


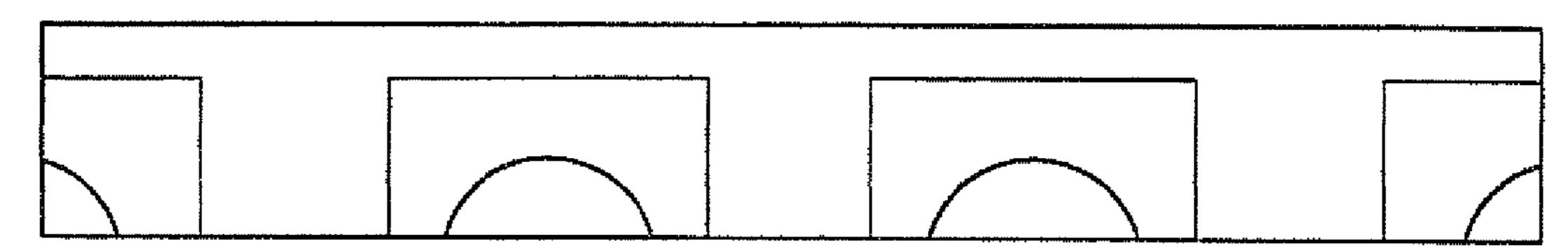
Fig. 5

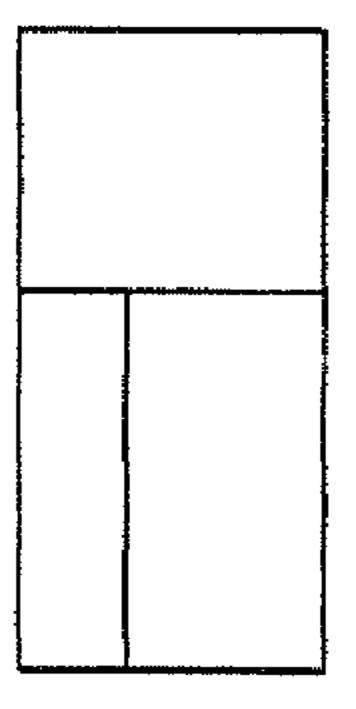


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