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(12) **United States Design Patent**
Zhang et al.

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(54) **AIR CLEANER**

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(**) Term: **14 Years**

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(51) **LOC (7) Cl.** **23-04**

(52) **U.S. Cl.** **D23/364**

(58) **Field of Search** D23/355, 364,
D23/365; 55/356, 471-3; D14/125-6

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D270,467 S * 9/1983 Fowler et al. D23/364
- D379,220 S * 5/1997 Ellwood D23/364
- D447,124 S * 8/2001 Morimiya et al. D14/126
- D450,825 S * 11/2001 Nakamura et al. D23/364

D451,181 S * 11/2001 Miwa D23/364

D457,230 S * 5/2002 Huang D23/364

D459,457 S * 6/2002 Pillion et al. D23/364

D459,458 S * 6/2002 Pillion et al. D23/364

D471,883 S * 3/2003 Sugiyama et al. D14/126

* cited by examiner

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(57) **CLAIM**

The ornamental design for a air cleaner, as shown and
described.

DESCRIPTION

FIG. 1 is a perspective view of an air cleaning device,
showing our new design;

FIG. 2 is a right view of FIG. 1;

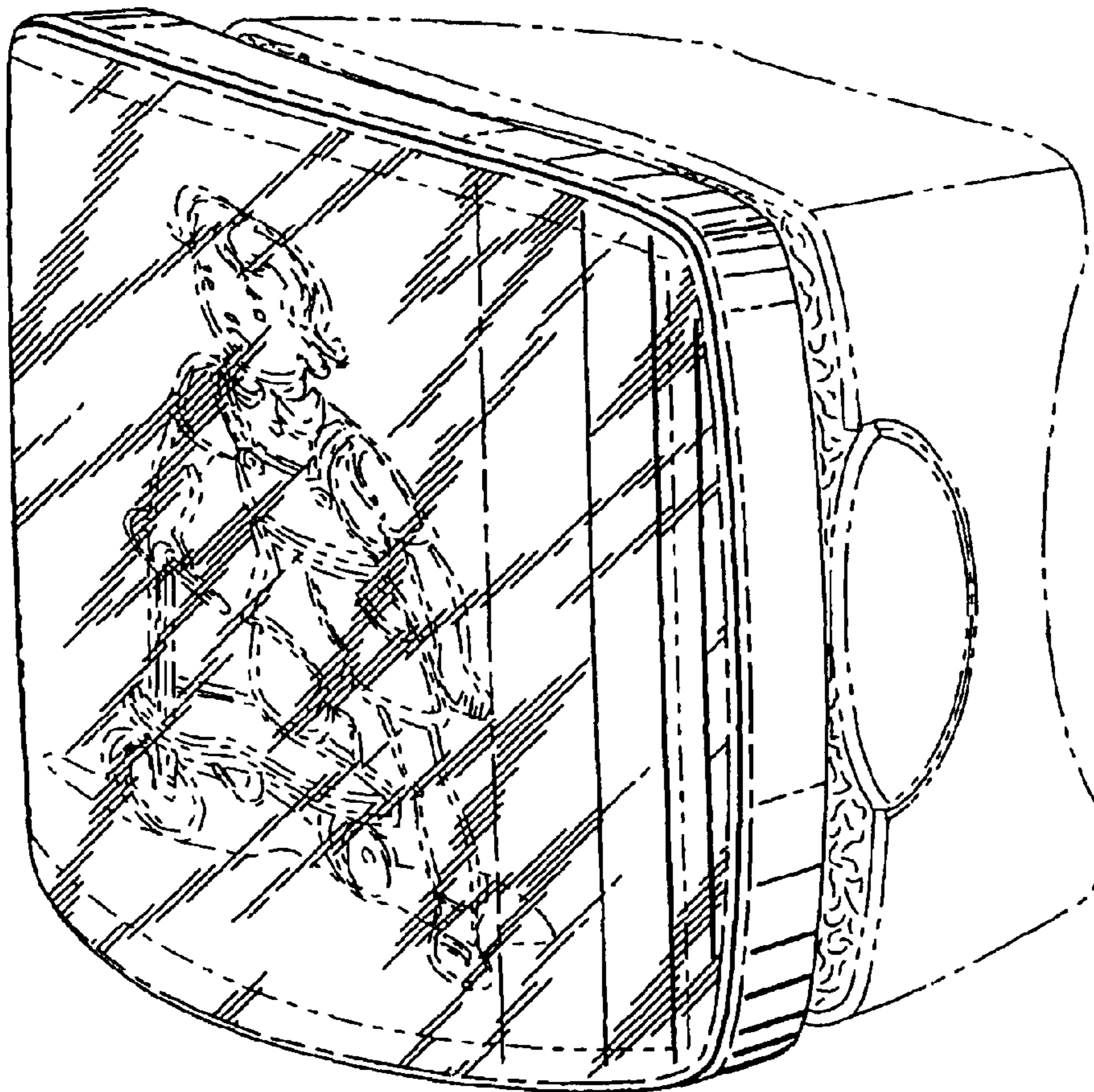
FIG. 3 is a left view of FIG. 1;

FIG. 4 is a top view of FIG. 1; and,

FIG. 5 is front view of FIG. 1.

The phantom line shown in the drawings forms no part of the
claimed design(s).

1 Claim, 2 Drawing Sheets



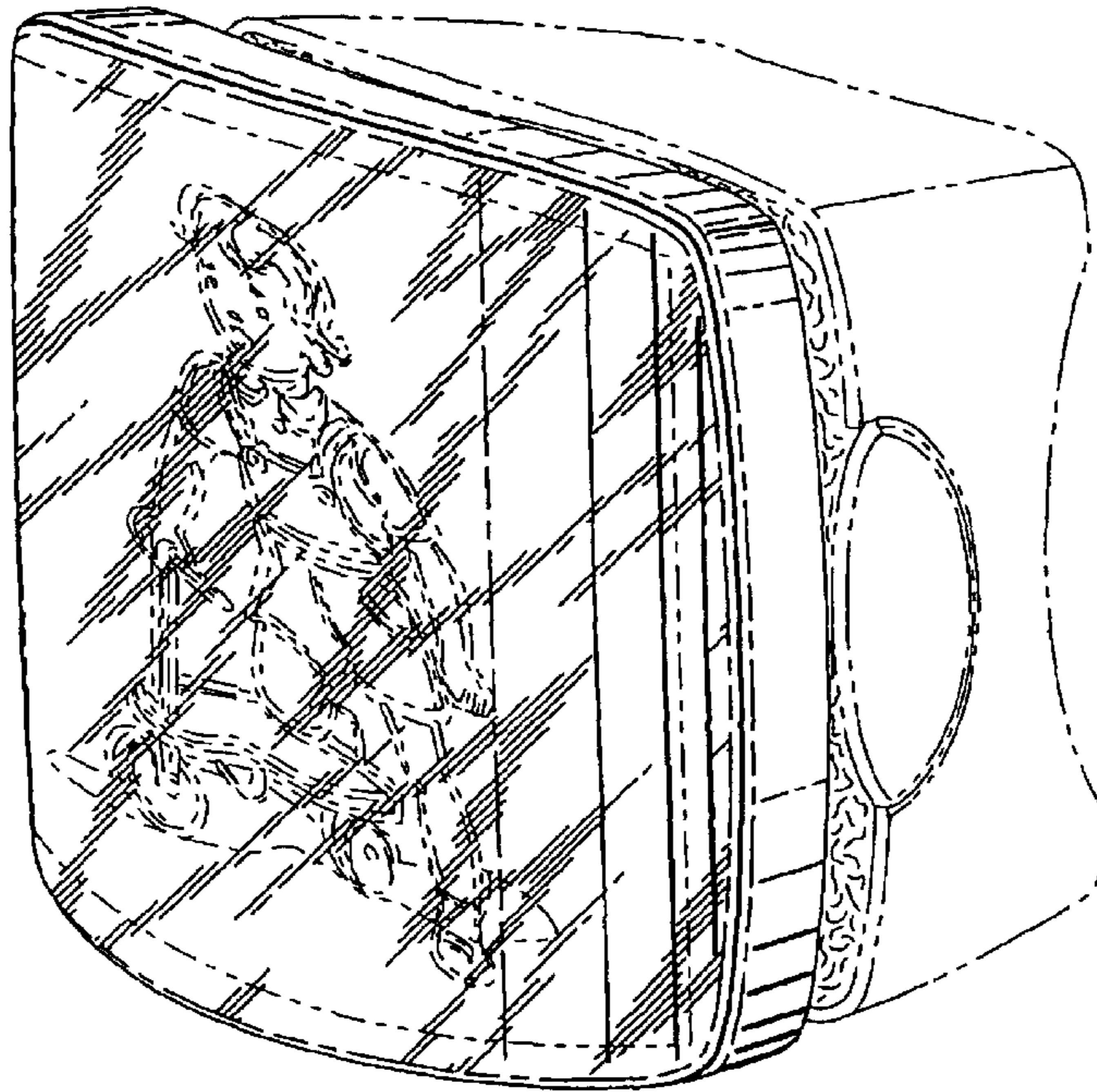


Fig. 1

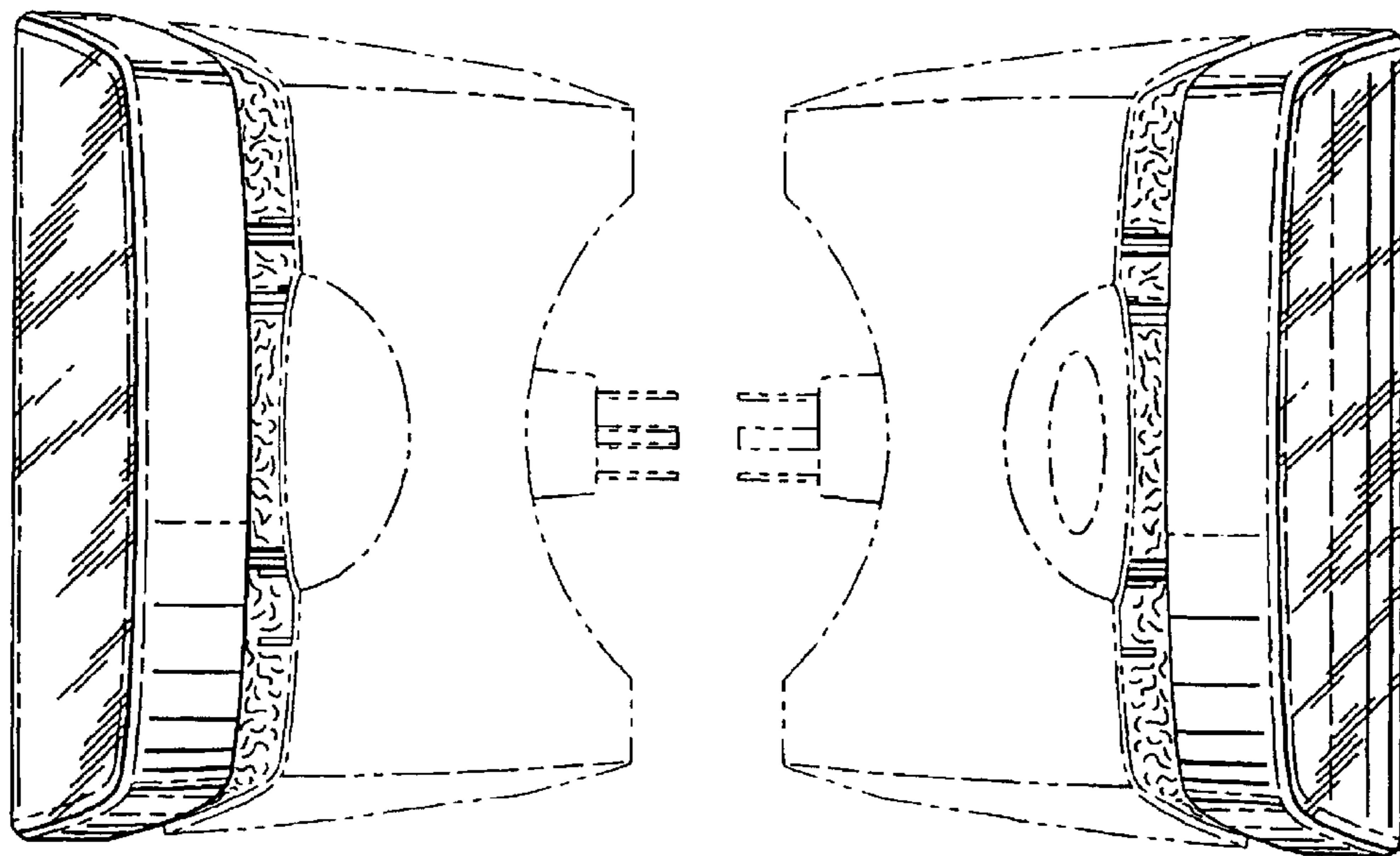


Fig. 2

Fig. 3

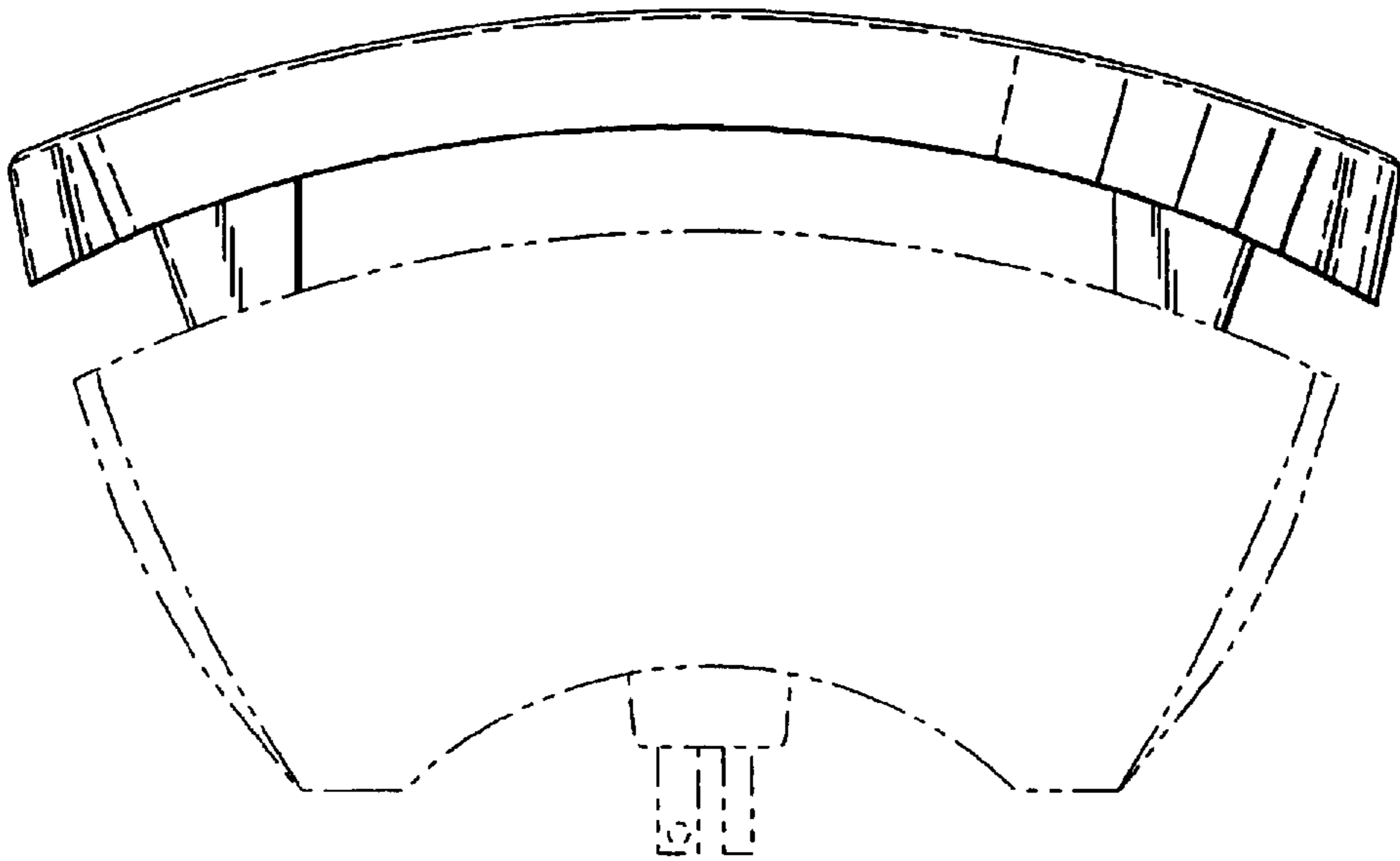


Fig. 4

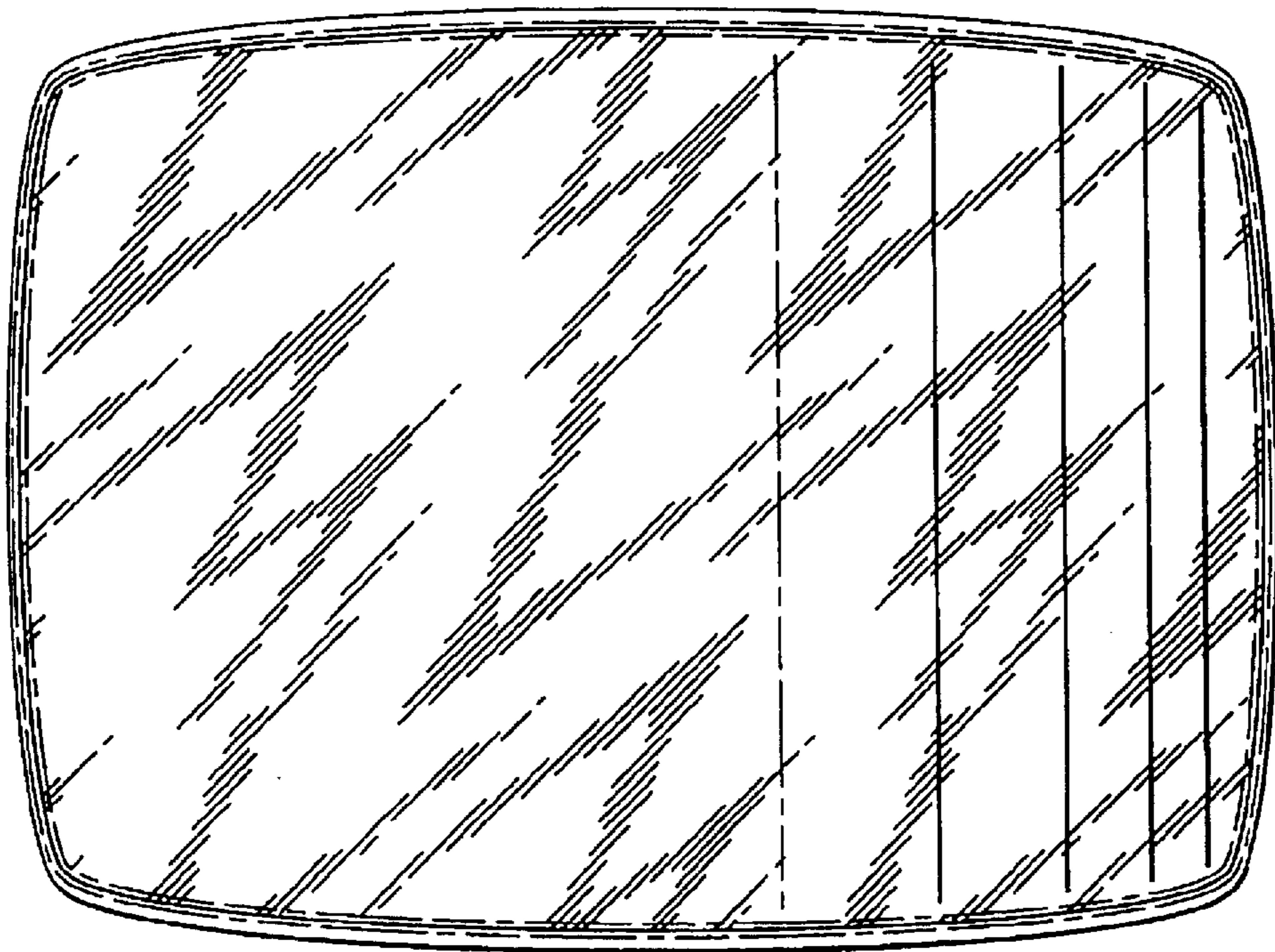


Fig. 5