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

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(54) **VACUUM CLEANER**

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(US)

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

(21) Appl. No.: **29/398,852**

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(51) **LOC (9) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/31**

(58) **Field of Classification Search**
USPC D32/17-18, 22, 31; 15/320-321,
15/350-354, 415.1-422, 329, 344, 361,
15/410-411, 347, 1.7, DIG. 1; 55/DIG. 3;
210/169; 4/490

See application file for complete search history.

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is an isometric view of a vacuum cleaner showing our
new design;

FIG. 2 is a front elevation view thereof;

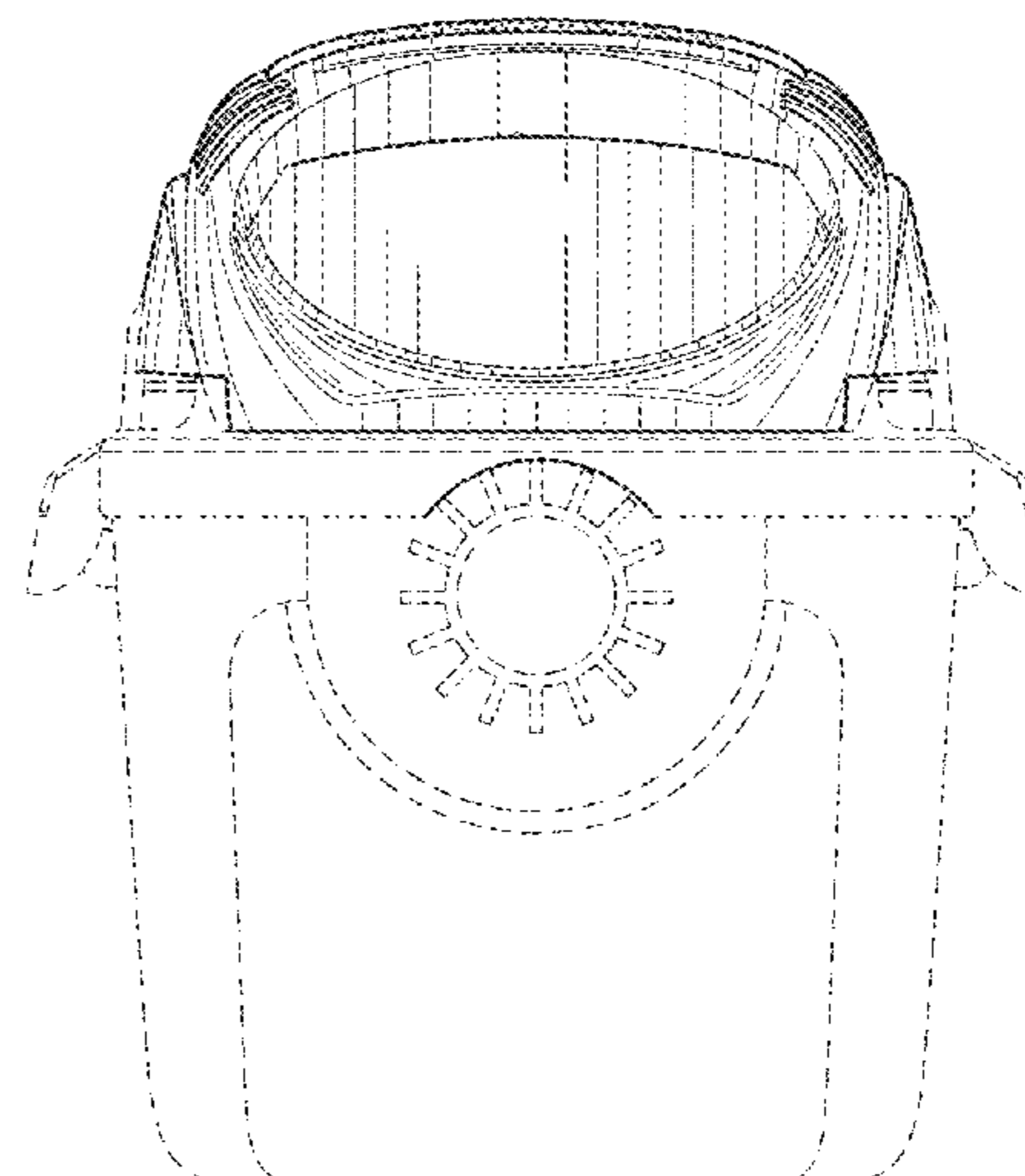
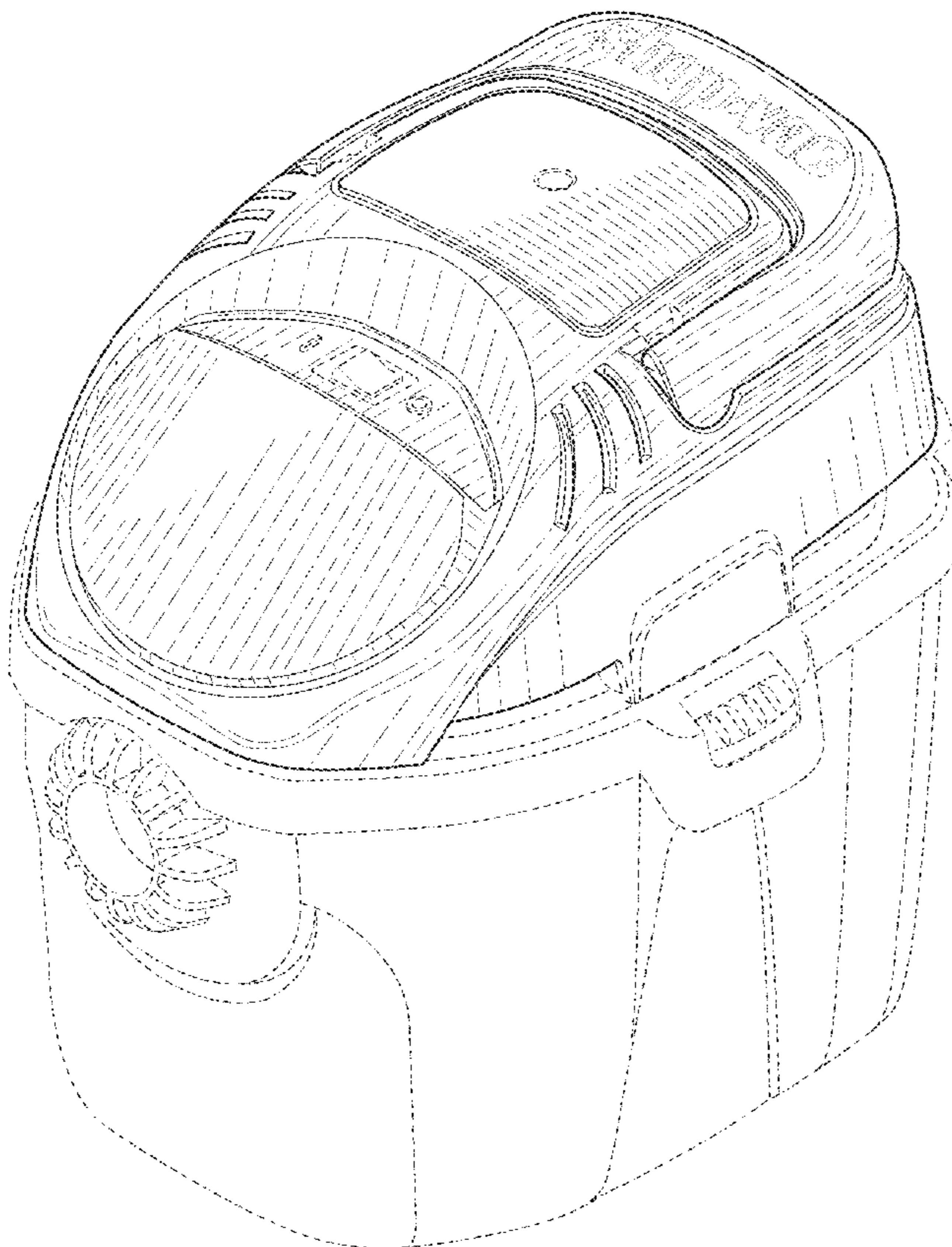
FIG. 3 is a side elevation view thereof, the opposite side being
a mirror image;

FIG. 4 is a rear elevation view thereof; and,

FIG. 5 is a top plan view thereof.

The broken lines represent unclaimed portions of the vacuum
cleaner and form no part of the claimed design.

1 Claim, 3 Drawing Sheets



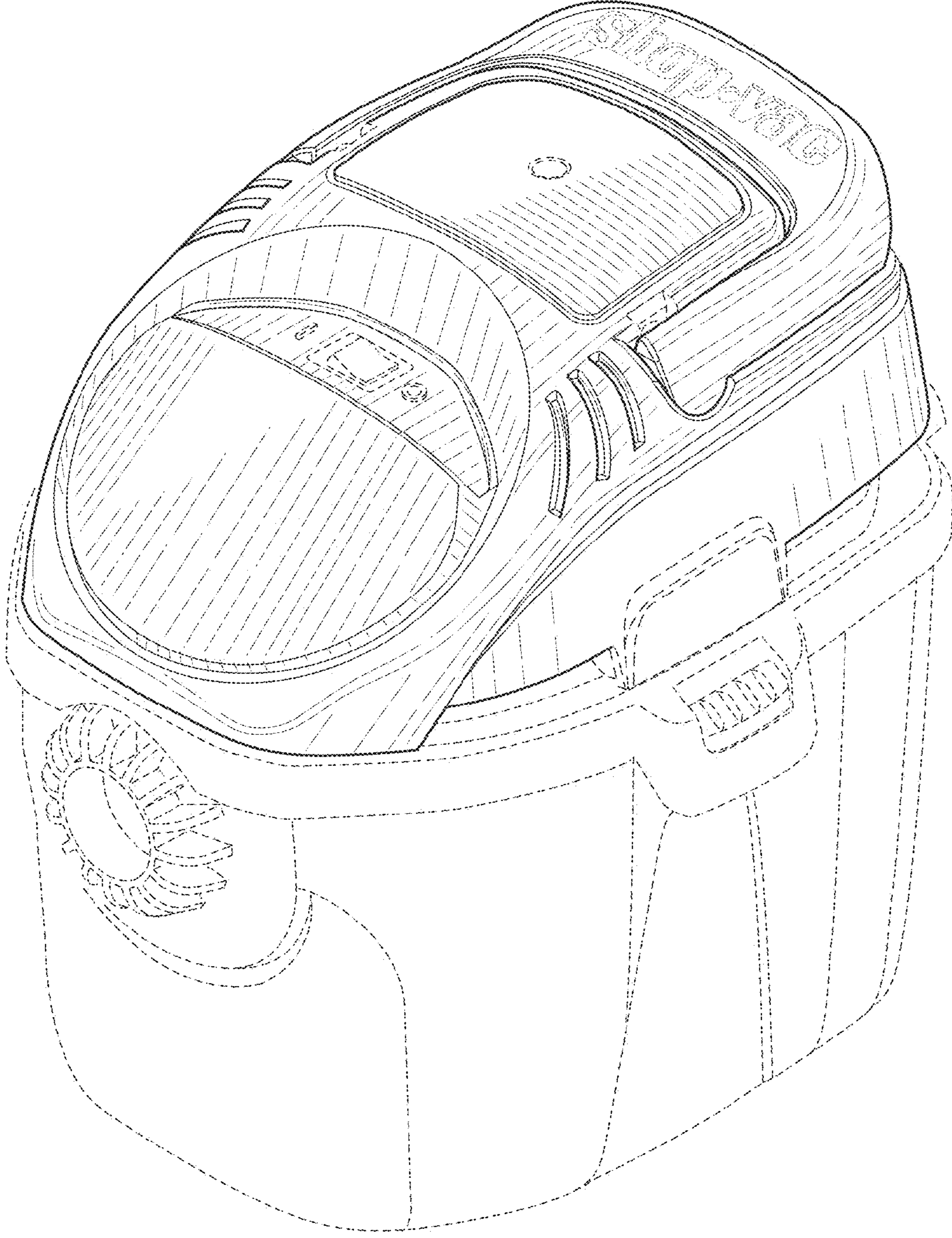


FIG. 1

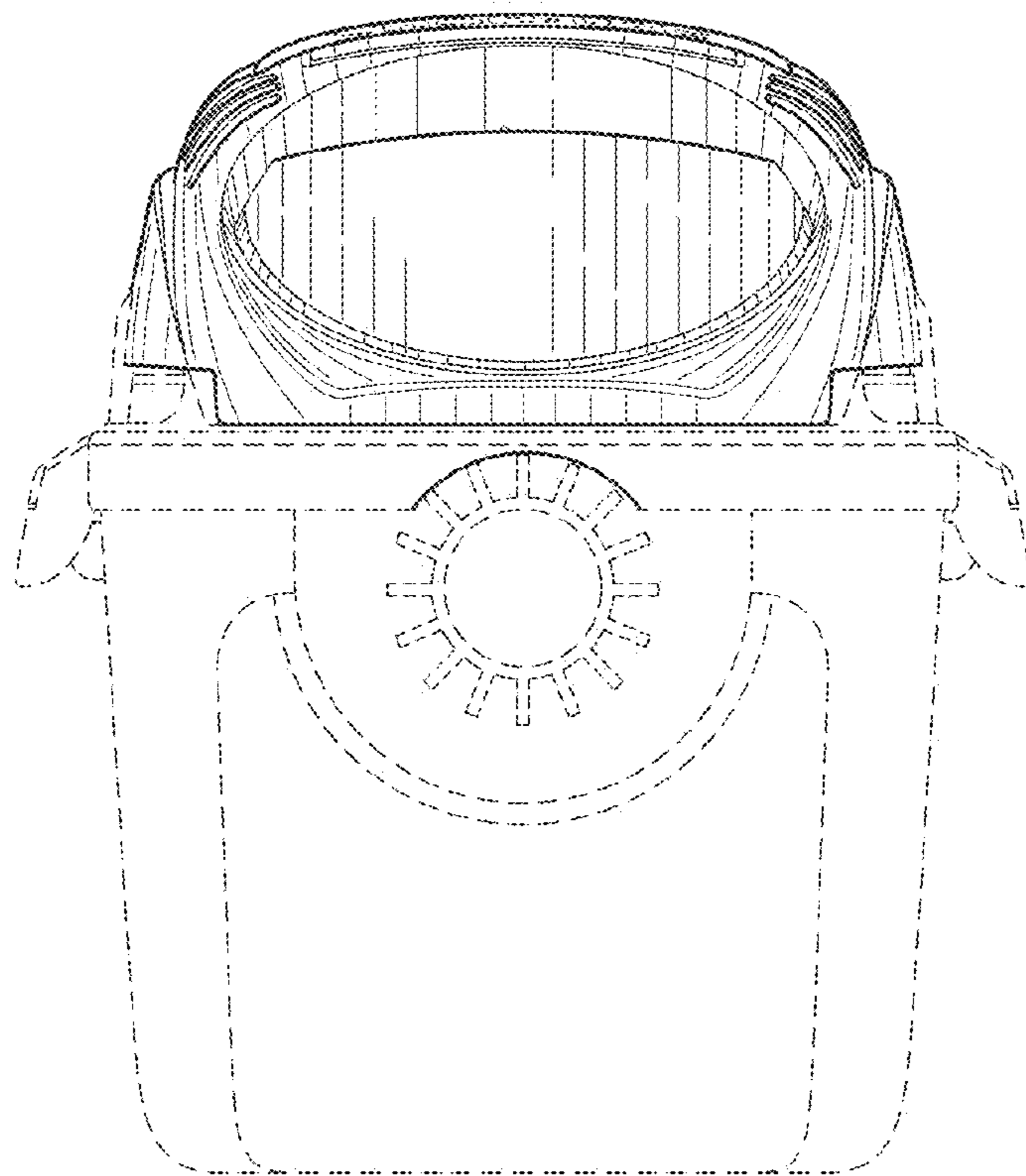


FIG. 2

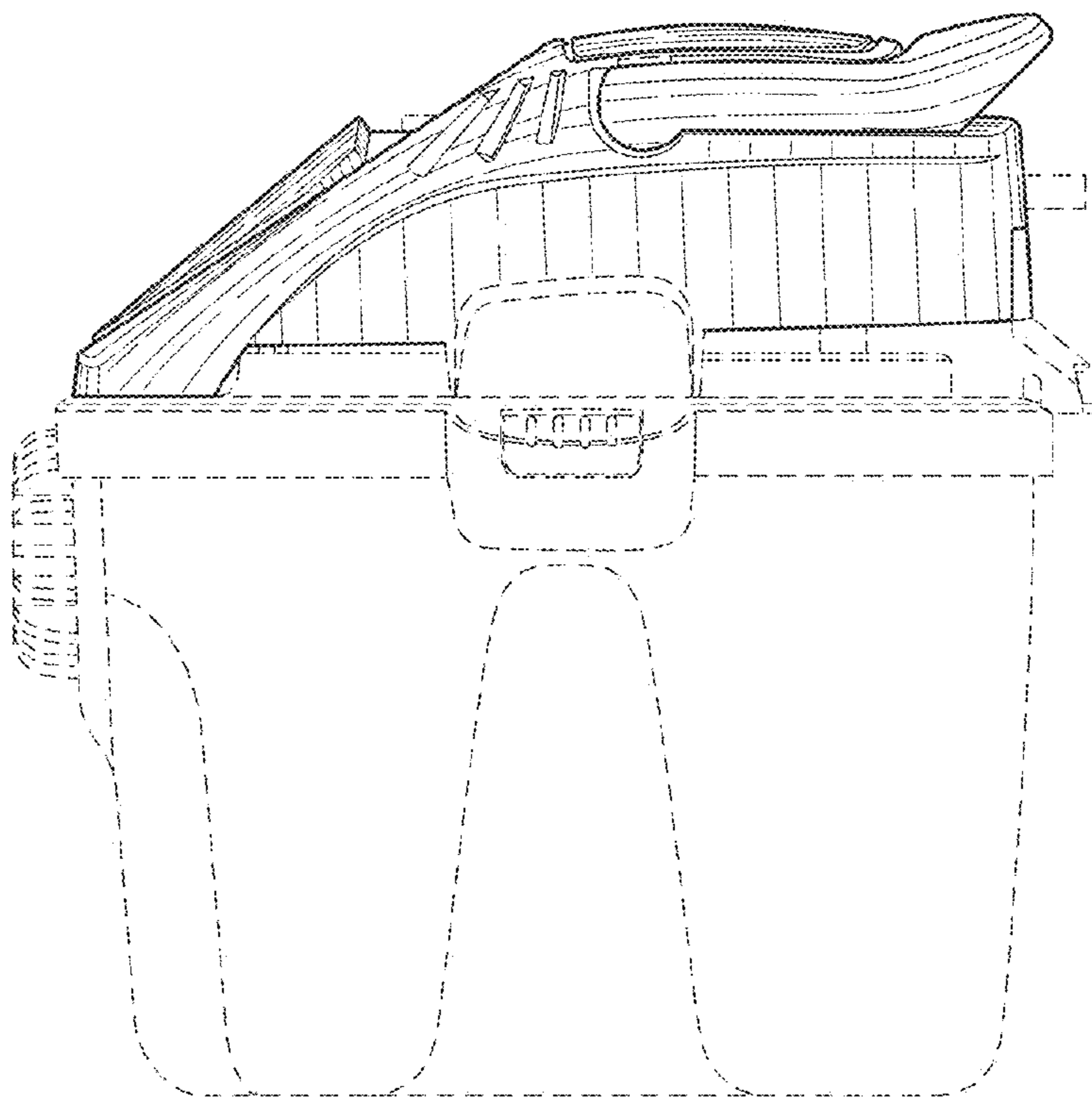


FIG. 3

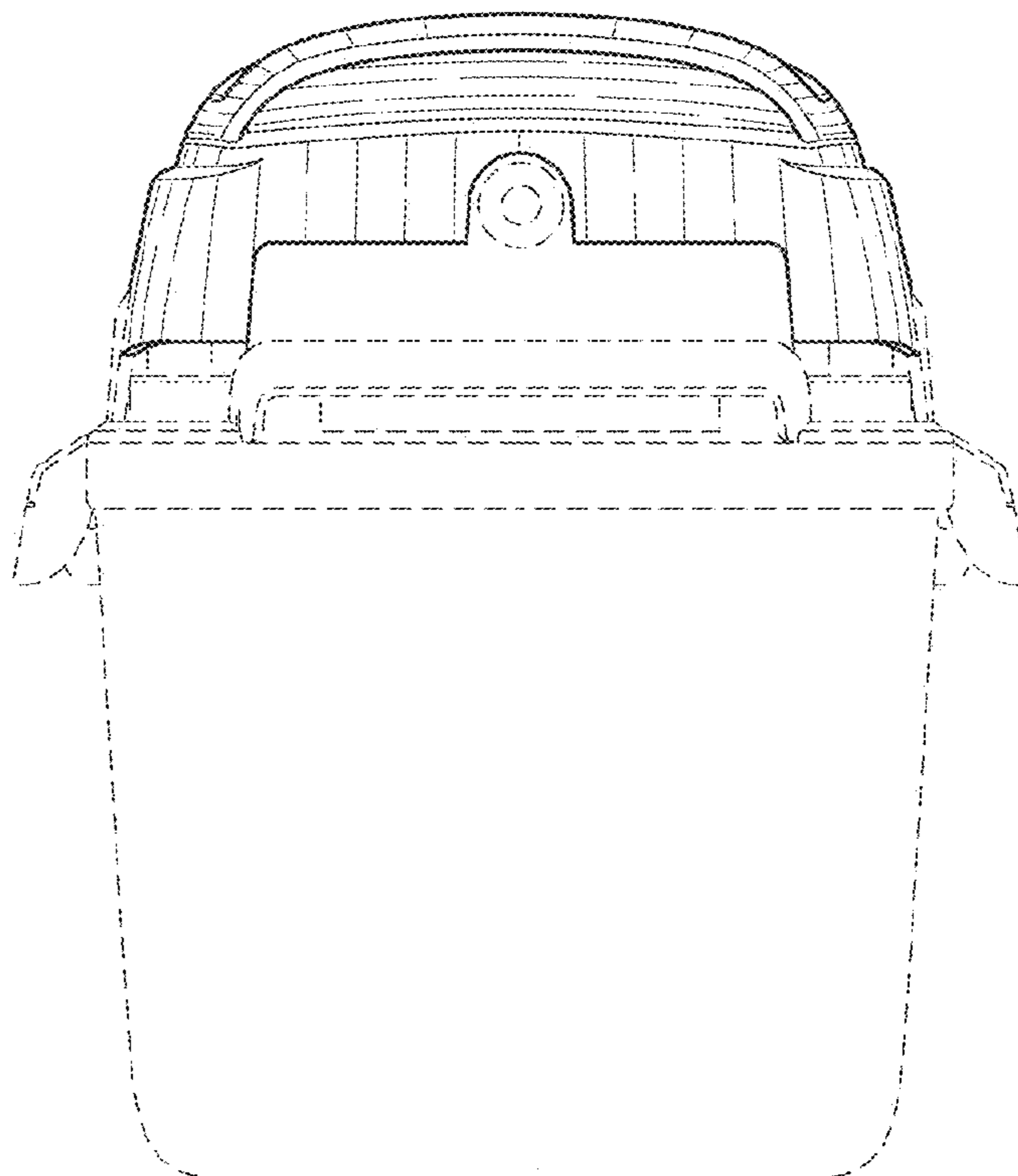


FIG. 4

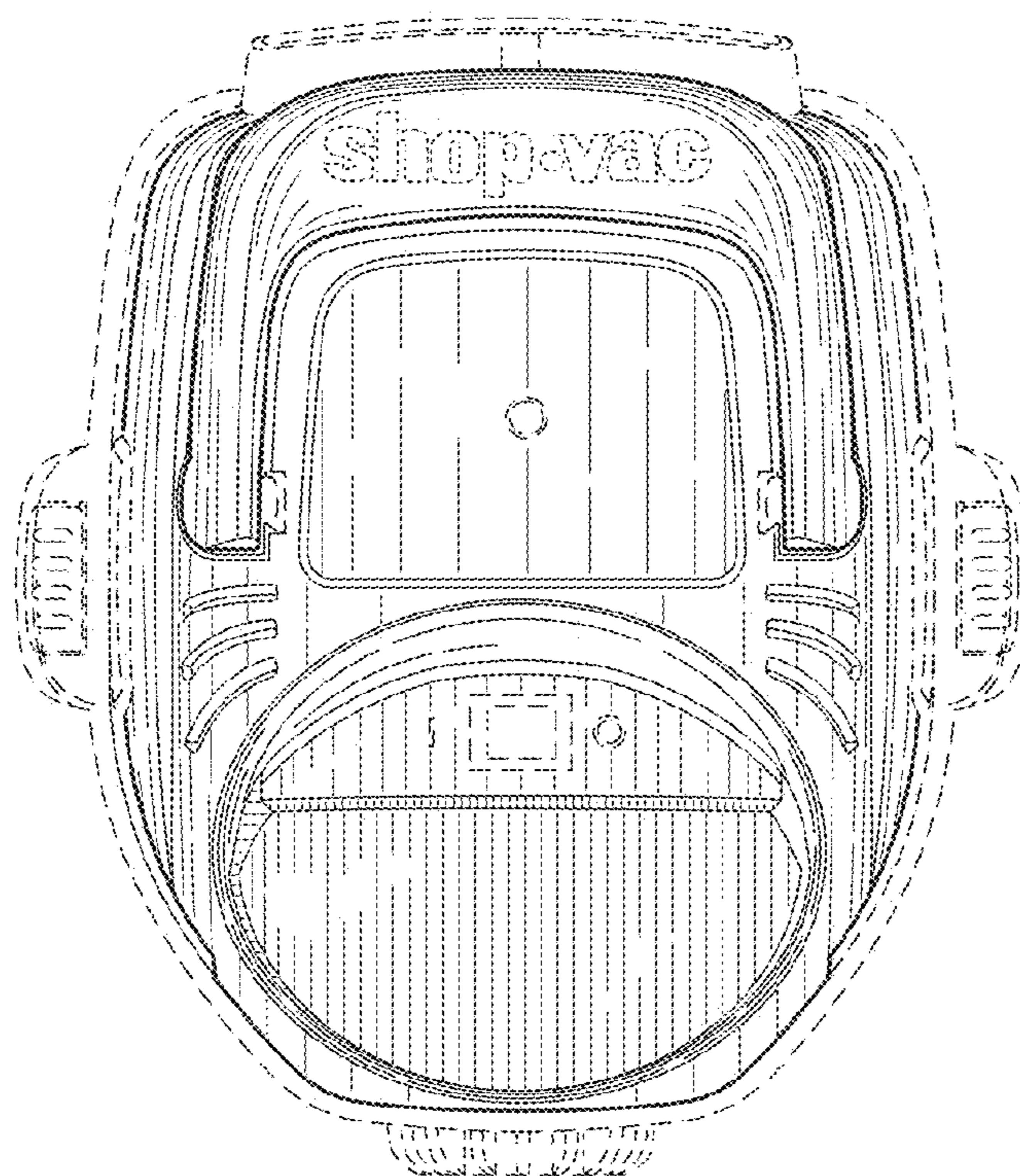


FIG. 5