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(12) **United States Design Patent** (10) **Patent No.:** **US D790,052 S**
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(54) **ELECTRIC FAN**
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(52) **U.S. Cl.**
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415/66, 68, 208.1, 213.1, 214.1;
D14/432; D10/2; 310/257; 361/695;
126/299 D, 299 R
CPC F04D 29/329; F04D 29/526; F04D 25/082;
F04D 29/325; F04D 29/703; F04D
29/547; B65D 90/36; F23L 17/02; F24F
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See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D206,973 S * 2/1967 DeLisio D23/370
8,308,445 B2 * 11/2012 Gammack F04D 25/06
239/434.5
D679,798 S * 4/2013 Ying D23/413
D705,415 S * 5/2014 Lo D23/370
D728,092 S * 4/2015 Poulton D23/342
9,011,116 B2 * 4/2015 Li F04D 25/08
417/423.14

D728,769 S * 5/2015 Dyson D23/342
D728,770 S * 5/2015 Dyson D23/342
D729,372 S * 5/2015 McPherson D23/370
D729,373 S * 5/2015 Dos Reis D23/370
D729,374 S * 5/2015 Dos Reis D23/370
D729,375 S * 5/2015 Dos Reis D23/370
D729,376 S * 5/2015 McPherson D23/370
D729,925 S * 5/2015 McPherson D23/370
9,127,855 B2 * 9/2015 Staniforth F04D 25/08
D747,453 S * 1/2016 Stewart D23/370
D747,454 S * 1/2016 Stewart D23/370
9,328,739 B2 * 5/2016 Atkinson F04D 29/4226
9,366,449 B2 * 6/2016 Staniforth F04F 5/16
9,410,711 B2 * 8/2016 Wilson C02F 1/325
2005/0128698 A1 * 6/2005 Huang F04D 25/08
361/679.46
2006/0279927 A1 * 12/2006 Strohm F04D 29/023
361/695
2010/0162011 A1 * 6/2010 Min G06F 13/4295
713/300
2010/0171465 A1 * 7/2010 Seal G03G 15/5004
320/114

(Continued)

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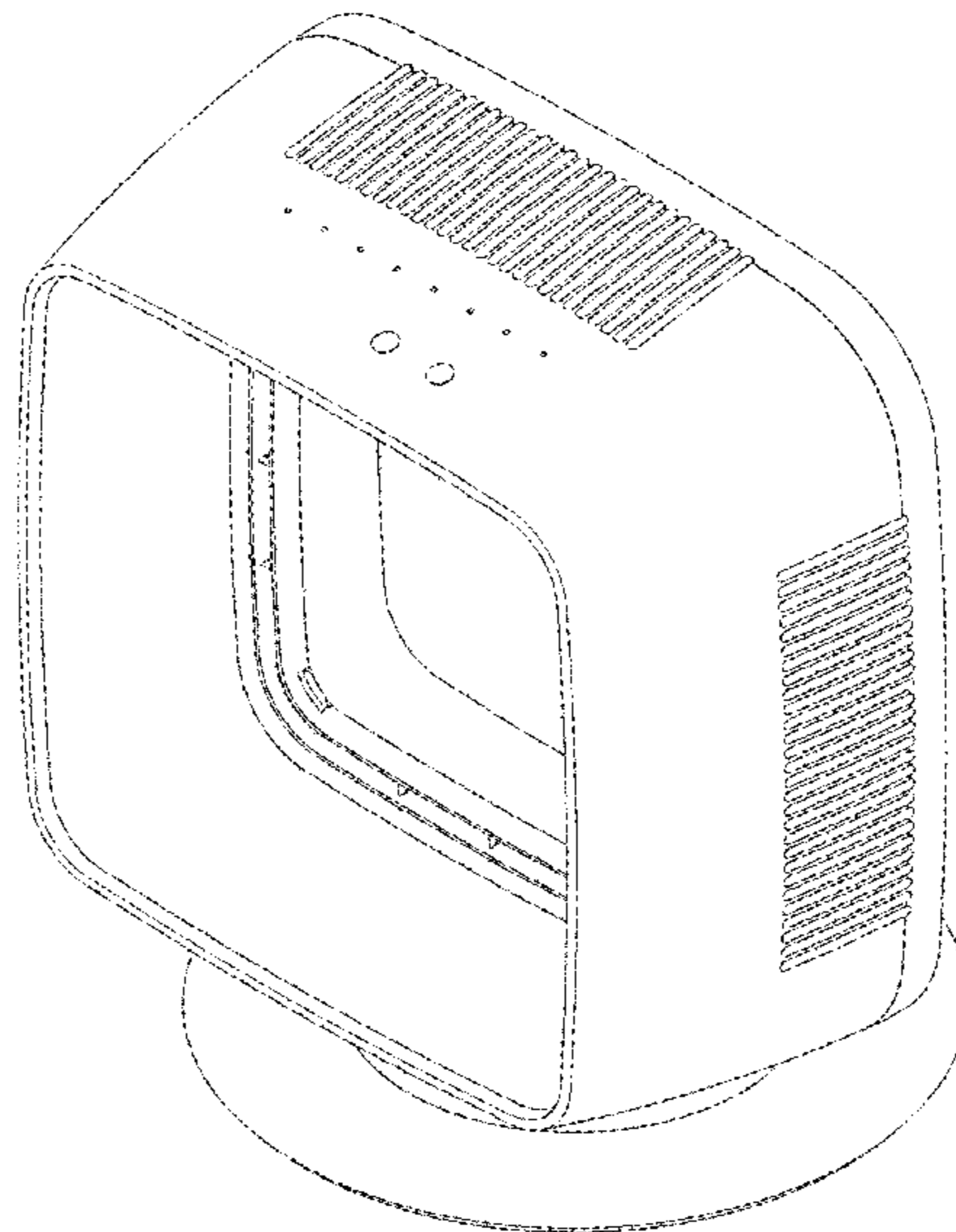
(57) **CLAIM**

The ornamental design for an electric fan, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the claimed design;
FIG. 2 is a front view of the claimed design;
FIG. 3 is a rear view of the claimed design;
FIG. 4 is a left side view of the claimed design;
FIG. 5 is a right side view of the claimed design;
FIG. 6 is a top plan view of the claimed design; and,
FIG. 7 is a bottom plan view of the claimed design.
The broken lines depict environmental subject matter only and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2013/0243588 A1* 9/2013 Lo F04D 25/08
415/211.2
2013/0336771 A1* 12/2013 Dyson F04D 25/08
415/126
2016/0215782 A1* 7/2016 Xie F04D 25/08

* cited by examiner

FIG. 1

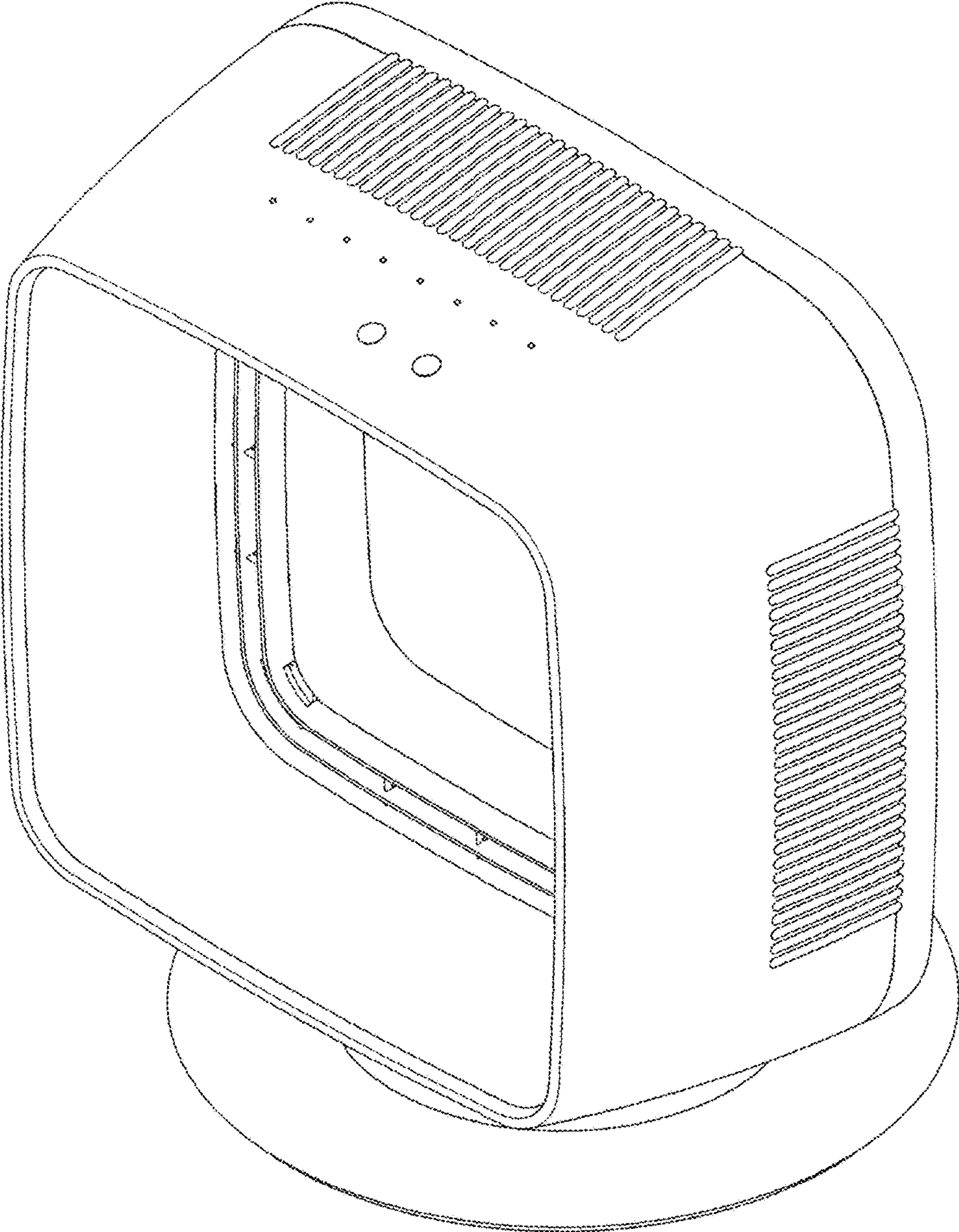


FIG. 2

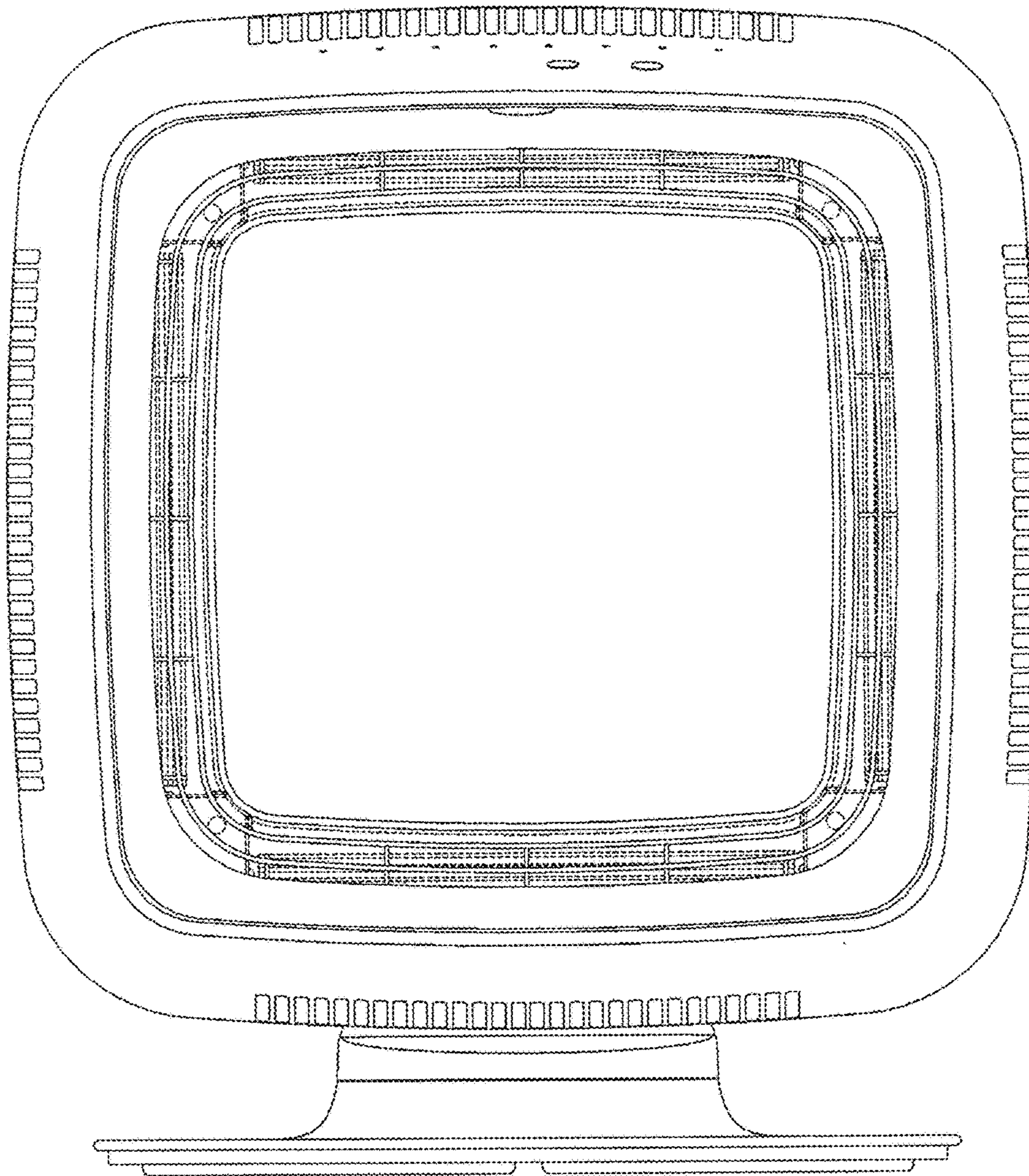


FIG. 3

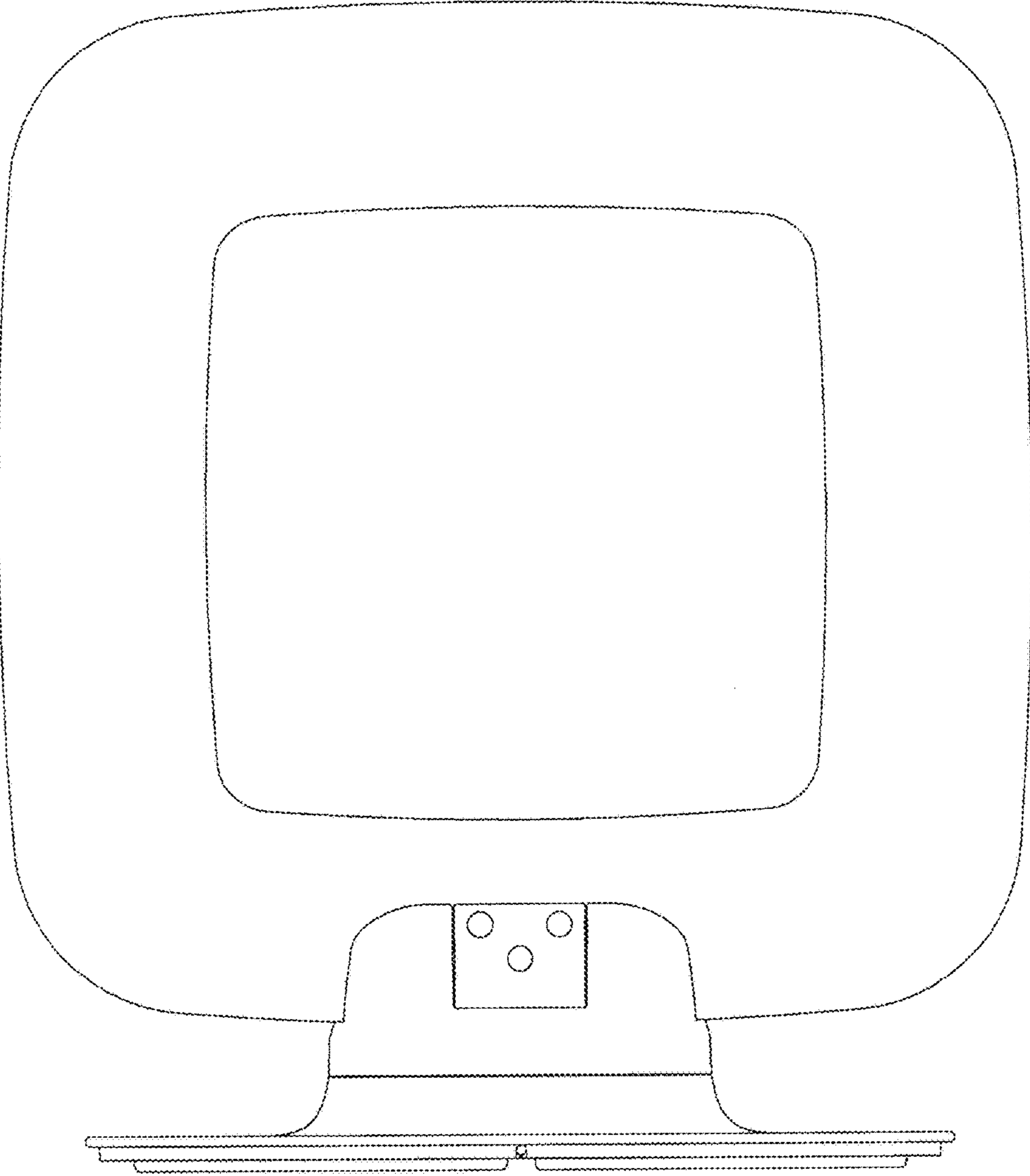


FIG.4

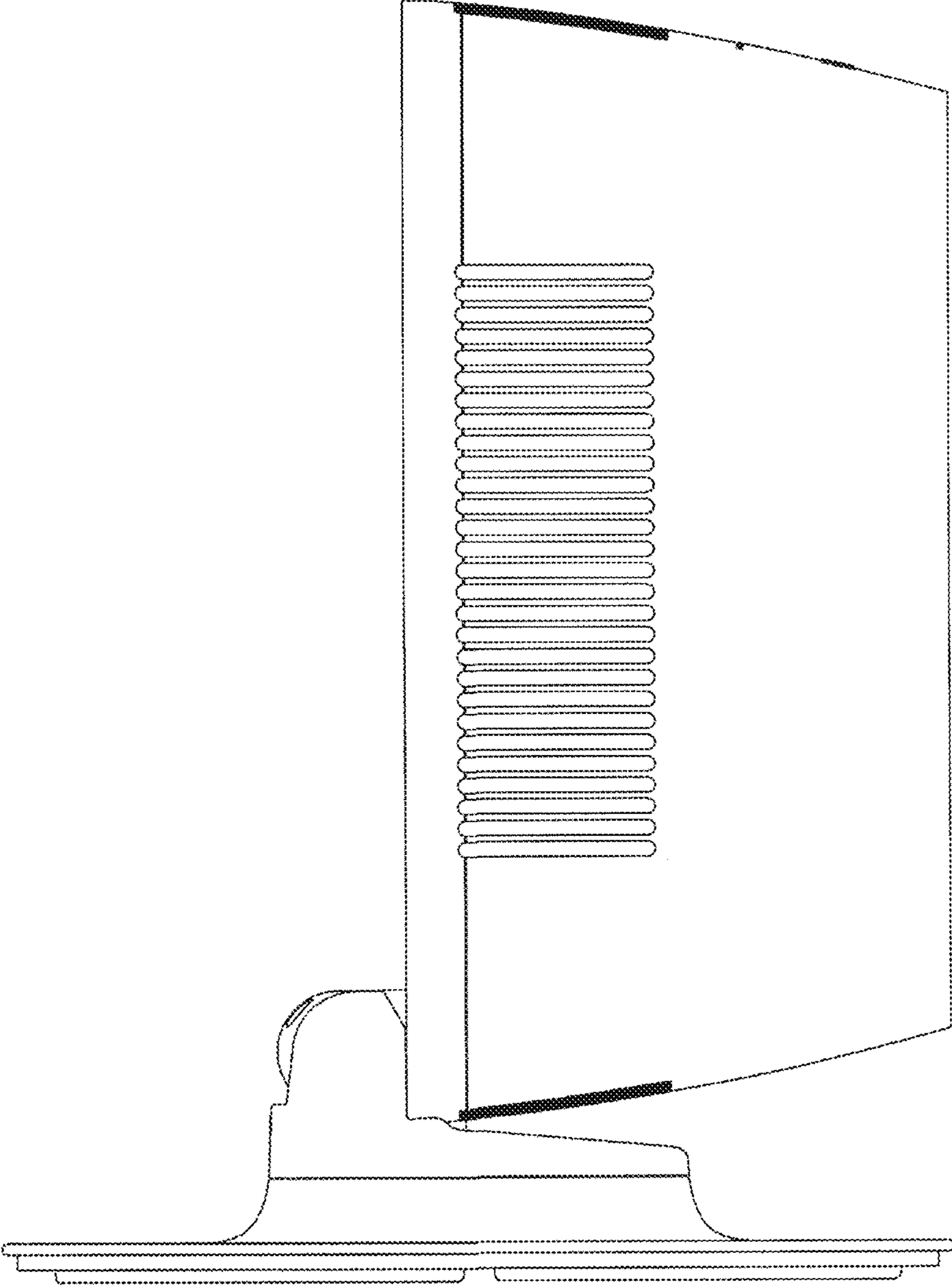


FIG. 5

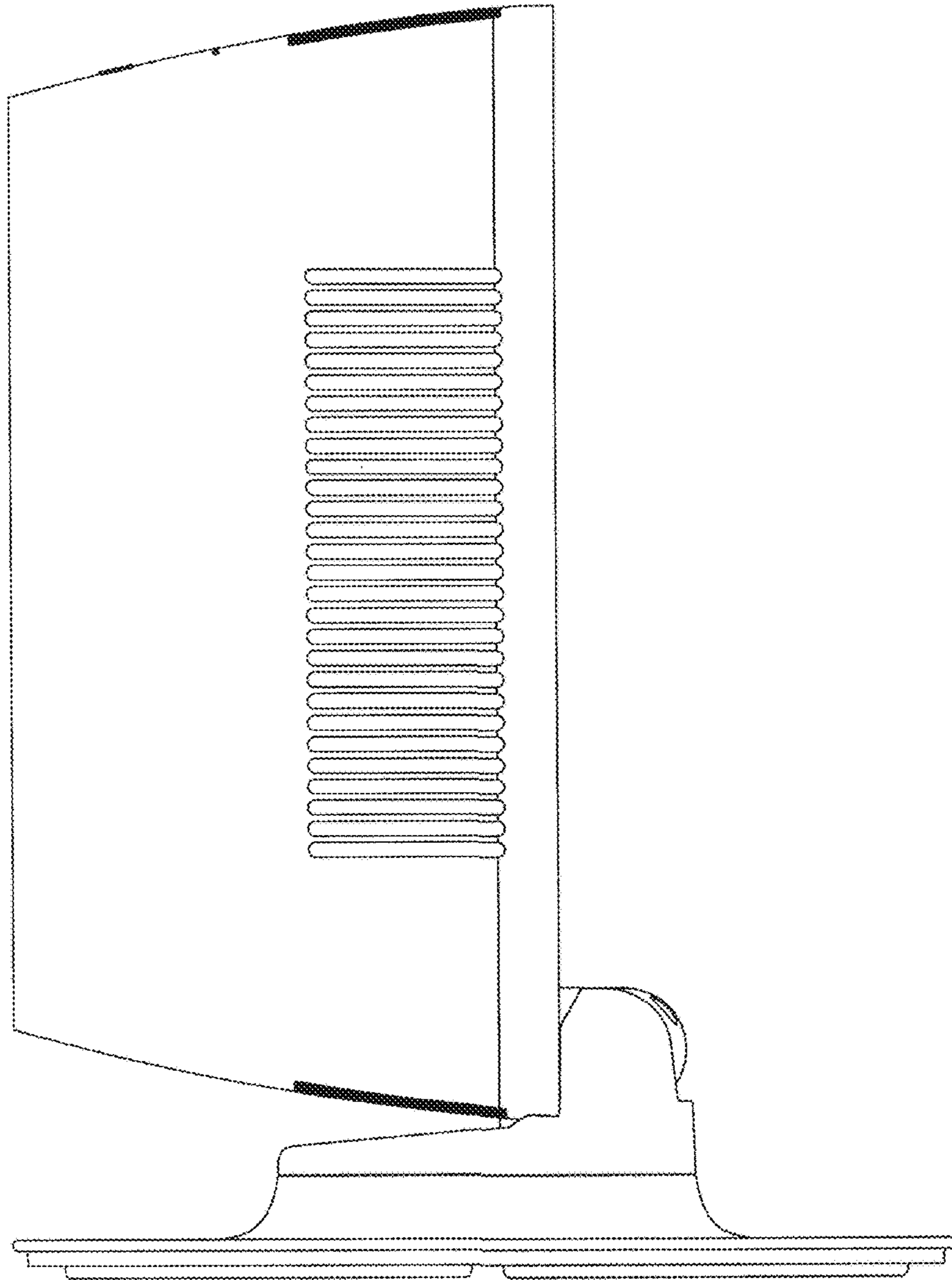


FIG. 6

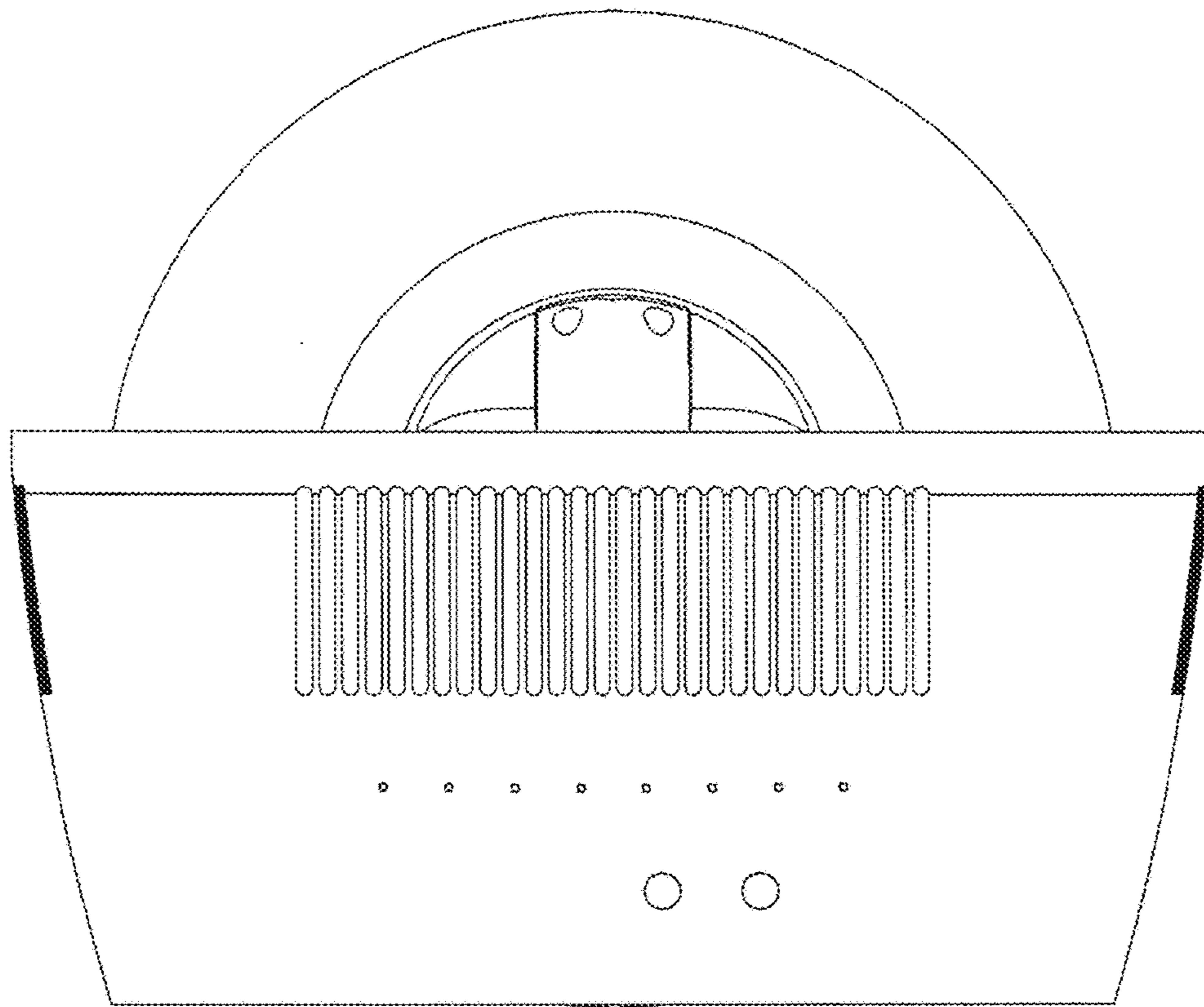


FIG. 7

