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(12) **United States Design Patent**  
**Utsugi**

(10) **Patent No.:** **US D478,102 S**

(45) **Date of Patent:** **\*\* Aug. 5, 2003**

(54) **THERMOELECTRIC REFRIGERATOR**

D444,120 S \* 6/2001 Smith ..... D12/419  
D454,892 S \* 3/2002 Black et al. .... D15/83

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**FOREIGN PATENT DOCUMENTS**

(73) Assignee: **Twinbird Corporation (JP)**

JP 671336 2/1986  
JP 964945 10/1996

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

\* cited by examiner

(21) Appl. No.: **29/161,748**

*Primary Examiner*—Mitchell Siegel

(22) Filed: **Jun. 4, 2002**

(74) *Attorney, Agent, or Firm*—Akerman Senterfitt

(51) **LOC (7) Cl.** ..... **15-07**

(57) **CLAIM**

(52) **U.S. Cl.** ..... **D15/83**

The ornamental design for a thermoelectric refrigerator, as shown and described.

(58) **Field of Search** ..... D15/79-91; 312/236,  
312/401, 406, 467, 278; 62/440, 457, 297,  
238.1, 331, 457.7; D12/419, 424

**DESCRIPTION**

(56) **References Cited**

FIG. 1 is a front perspective view from above of a thermoelectric refrigerator, showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a left side view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a top plan view thereof; and,  
FIG. 6 is a bottom plan view thereof.

**U.S. PATENT DOCUMENTS**

D256,587 S \* 8/1980 Tatsumi ..... D15/83  
D267,323 S \* 12/1982 Ogiwara ..... D15/83  
D304,263 S \* 10/1989 Mull ..... D12/419  
D323,932 S \* 2/1992 Hudgens ..... D12/419  
D375,480 S \* 11/1996 Smith ..... D12/419  
D434,721 S \* 12/2000 Lieberman ..... D12/419

**1 Claim, 3 Drawing Sheets**

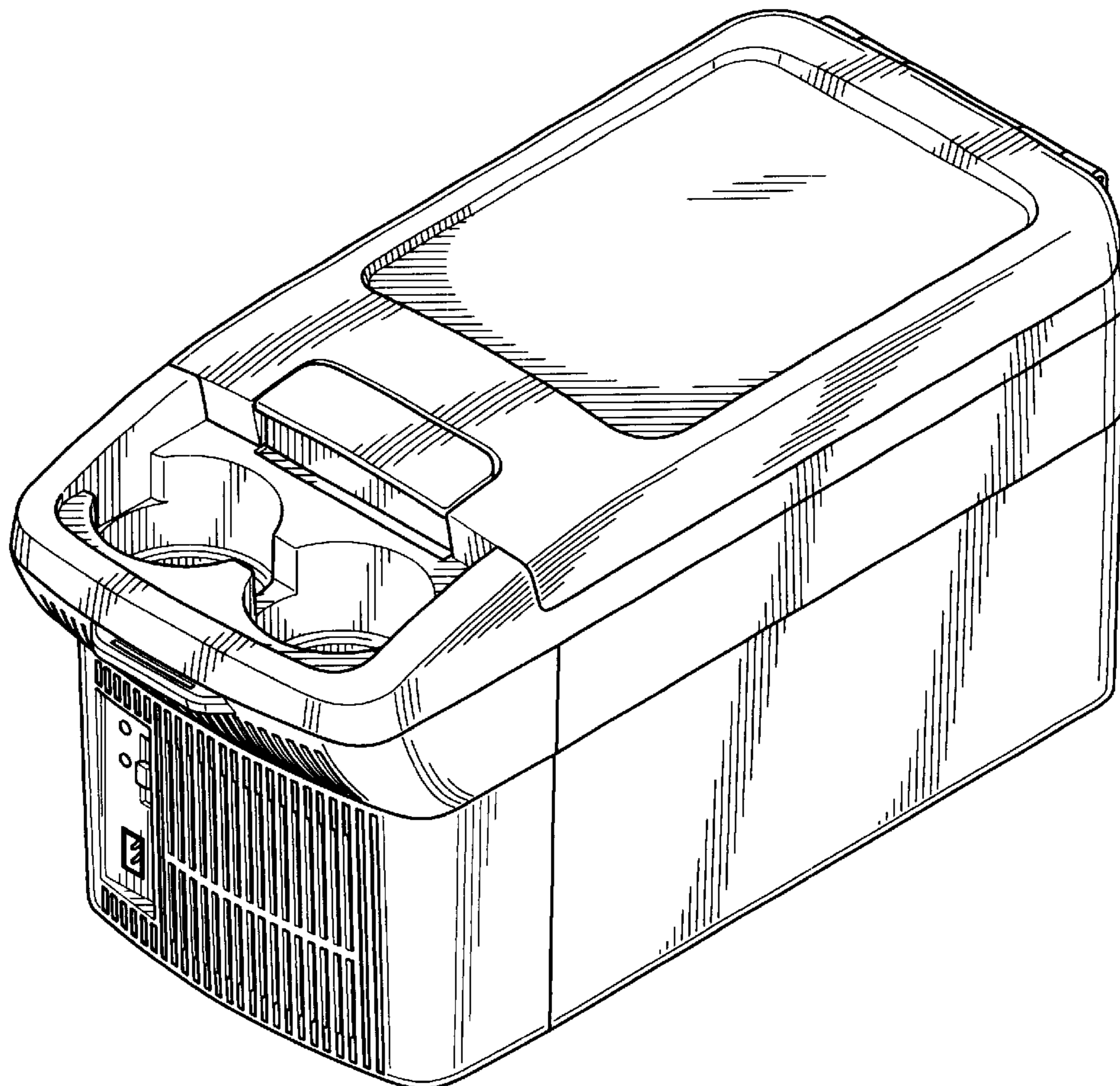


FIG. 1

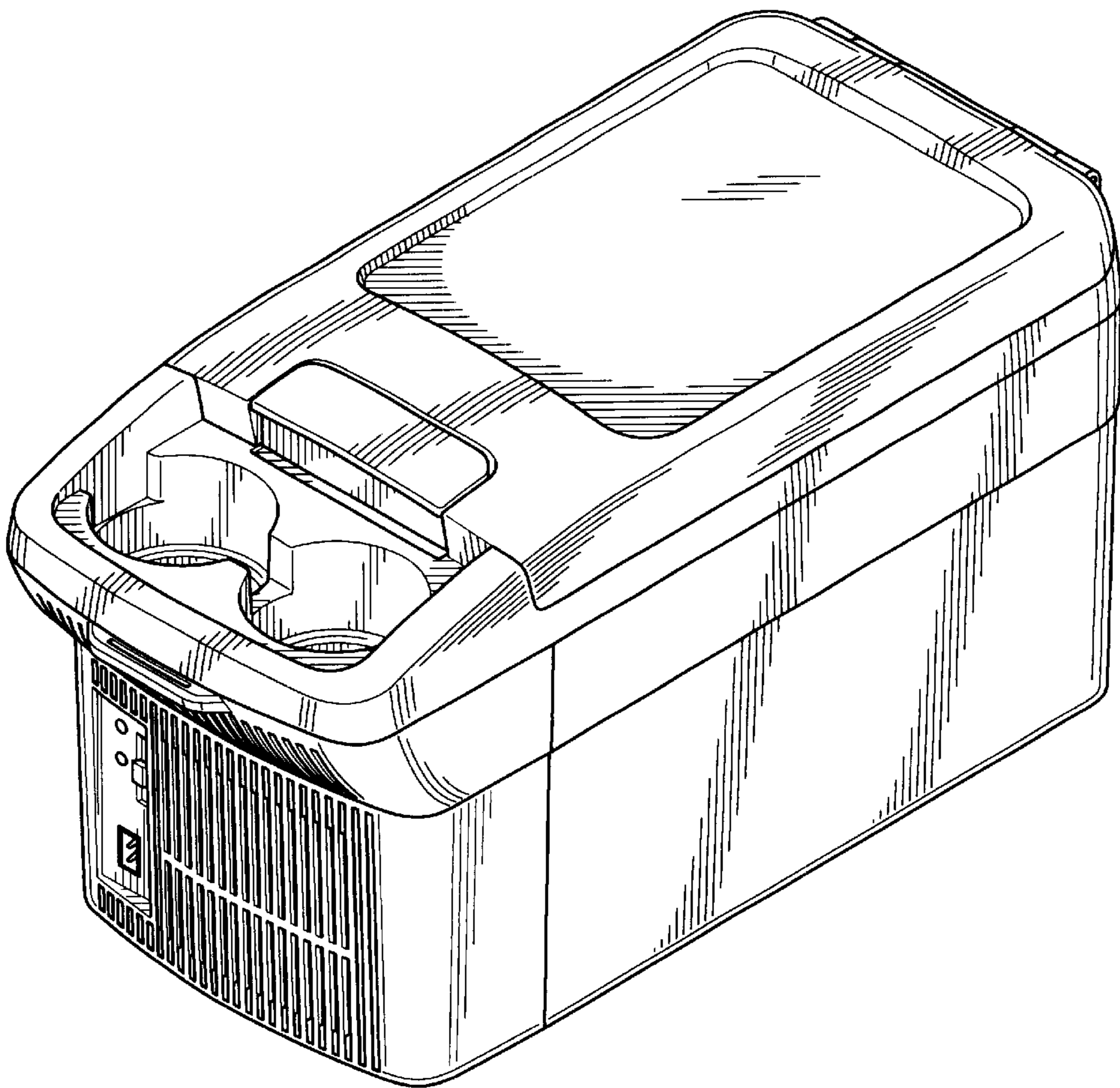


FIG. 2

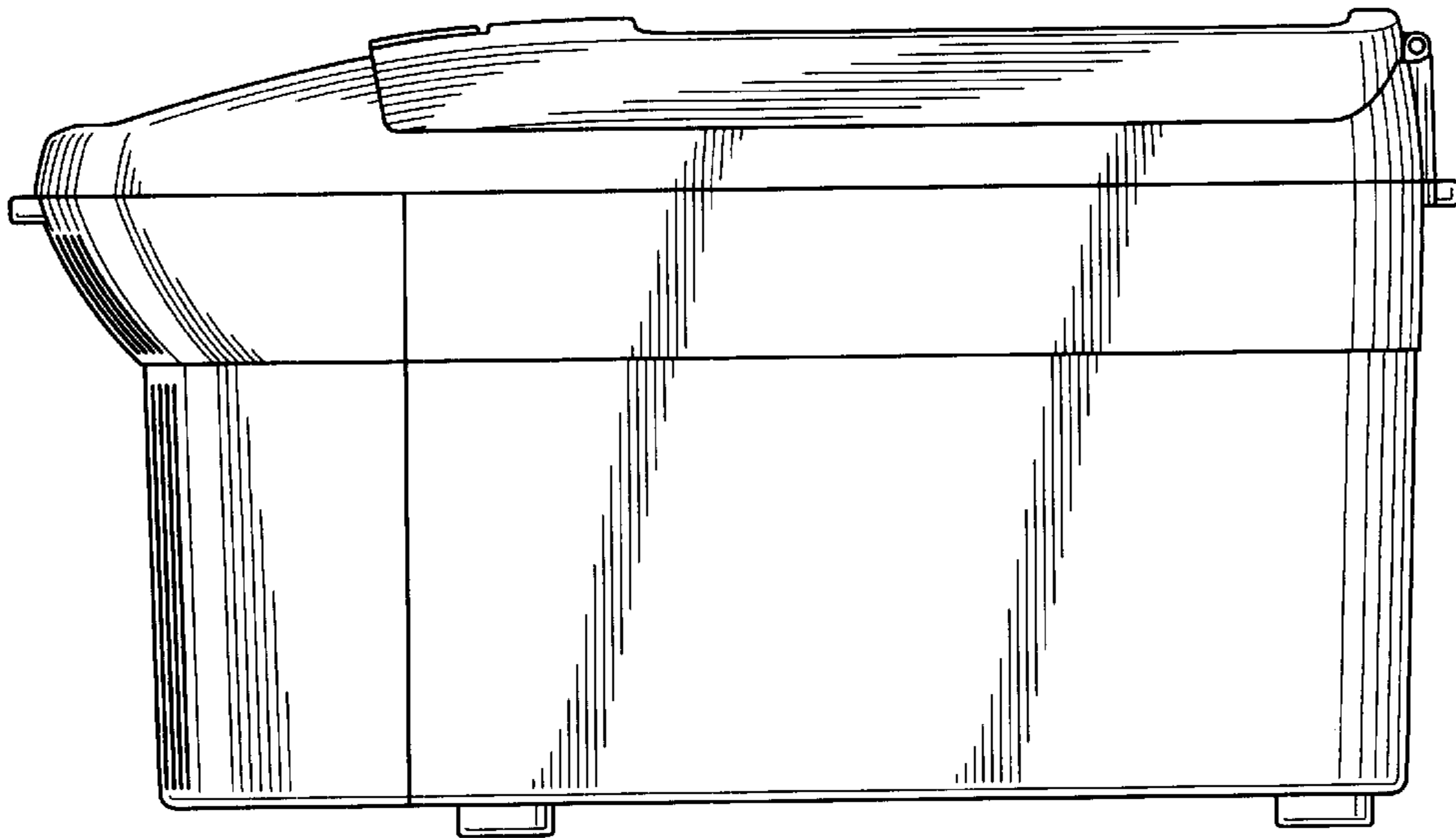


FIG. 3

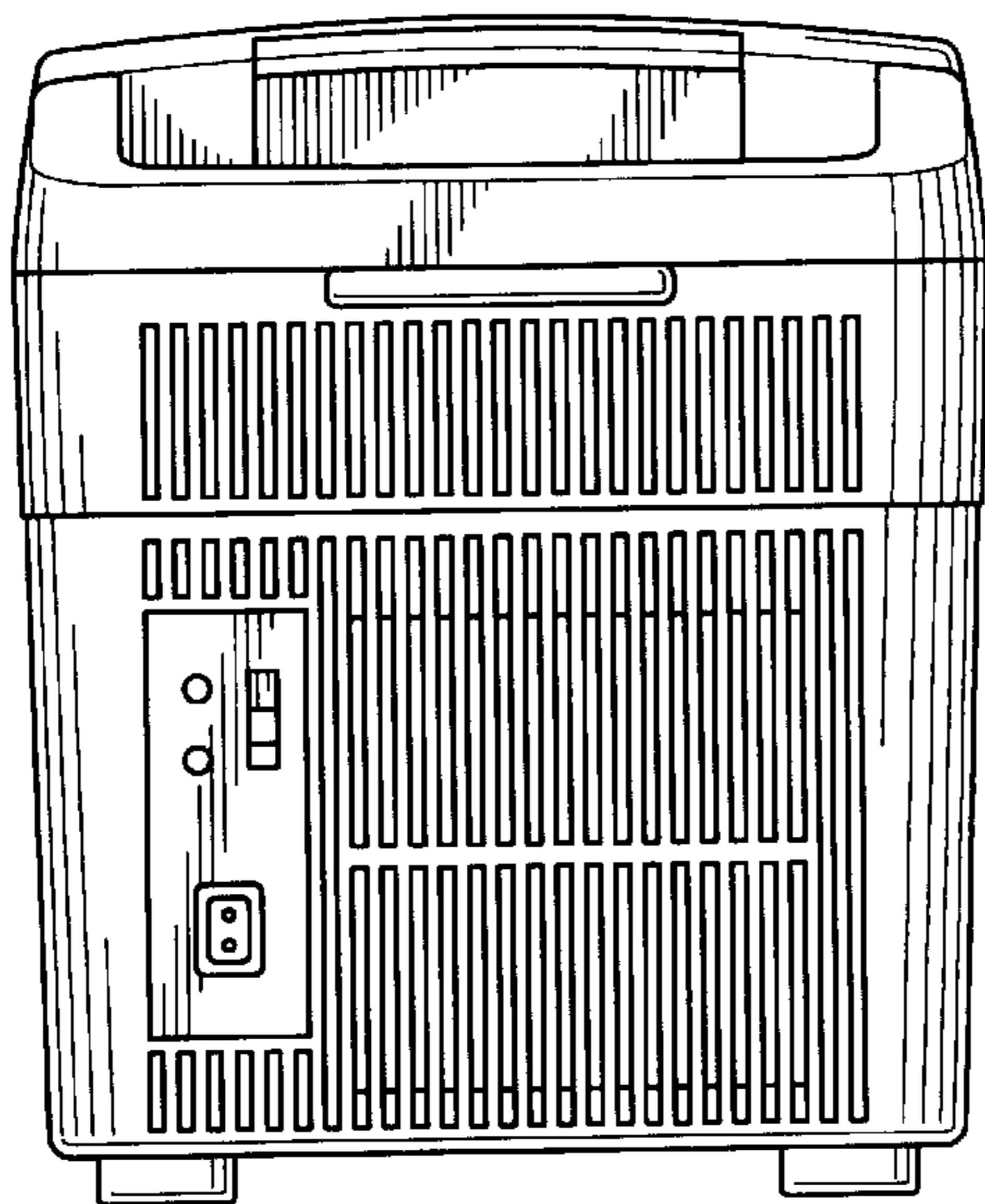


FIG. 4

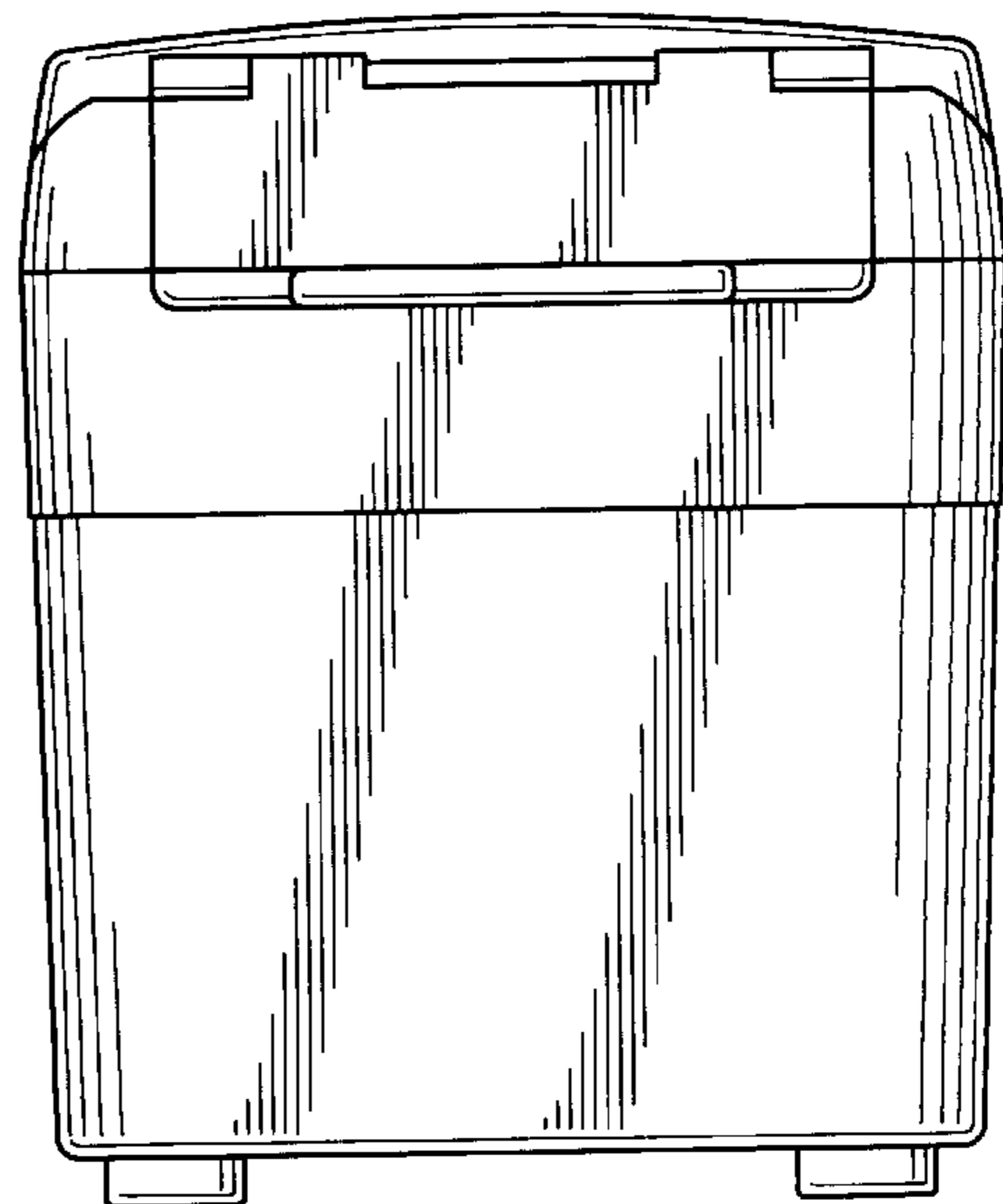


FIG. 5

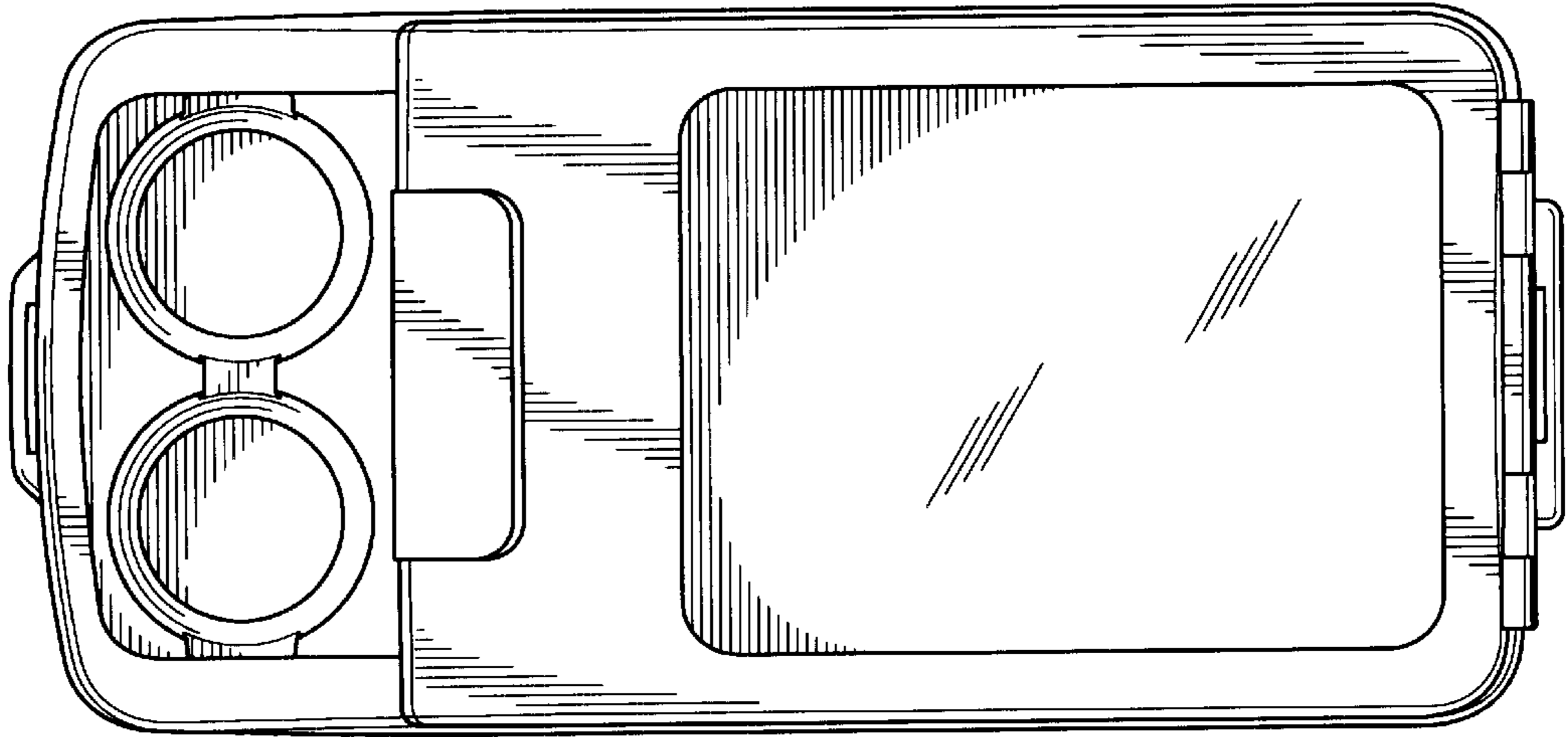


FIG. 6

