



US00D854160S

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

(10) **Patent No.:** **US D854,160 S**  
(45) **Date of Patent:** **\*\* Jul. 16, 2019**

- (54) **LATERAL FLOW READER**
- (71) Applicant: **Alere Switzerland GmbH, Zug (CH)**
- (72) Inventors: **Nicholas David Long, Harrold (GB); Robin Brown, Bletsoe (GB)**
- (73) Assignee: **Alere Switzerland GmbH, Zug (CH)**
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/630,807**
- (22) Filed: **Dec. 22, 2017**
- Related U.S. Application Data**
- (63) Continuation of application No. 29/557,903, filed on Mar. 14, 2016, now Pat. No. Des. 809,143.
- (51) **LOC (11) Cl.** ..... **24-02**
- (52) **U.S. Cl.**  
USPC ..... **D24/164**
- (58) **Field of Classification Search**  
USPC ..... D24/164, 231, 185; D10/81; 424/9.1, 424/139.1; 422/412; 204/403.02; 600/479, 484, 324; 604/39, 387, 135; 385/53; 356/218; 378/117; 101/453  
CPC .. B01L 3/5023; B01L 3/502707; B01L 3/508; B01L 3/502; A61B 10/0038; A61B 18/24; A61B 6/10; A61B 5/02416; A61B 5/0205; A61B 5/14551; G01N 33/6896; A61K 31/00; A61L 2/04; A61F 13/472; A61M 3/0287; B41C 1/04  
See application file for complete search history.

- 4,653,498 A \* 3/1987 New, Jr. .... A61B 5/14551 600/324
  - 4,742,011 A \* 5/1988 Blake ..... B01L 3/502 422/412
  - 4,758,241 A \* 7/1988 Papajohn ..... A61F 13/472 604/387
  - 4,769,003 A \* 9/1988 Stamler ..... A61M 3/0287 604/39
  - 4,911,075 A \* 3/1990 Lewis ..... B41C 1/04 101/453
  - 4,991,193 A \* 2/1991 Cecil ..... A61B 6/10 378/117
  - 5,006,309 A \* 4/1991 Khalil ..... B01L 3/5023 422/414
  - 5,075,078 A 12/1991 Osikowicz et al.
  - 5,096,669 A \* 3/1992 Lauks ..... B01L 3/502707 204/403.02
  - 5,260,221 A 11/1993 Ramel et al.
  - 5,316,732 A 5/1994 Golukhov et al.
- (Continued)

*Primary Examiner* — Rhea Shields  
(74) *Attorney, Agent, or Firm* — Foley Hoag LLP

(57) **CLAIM**

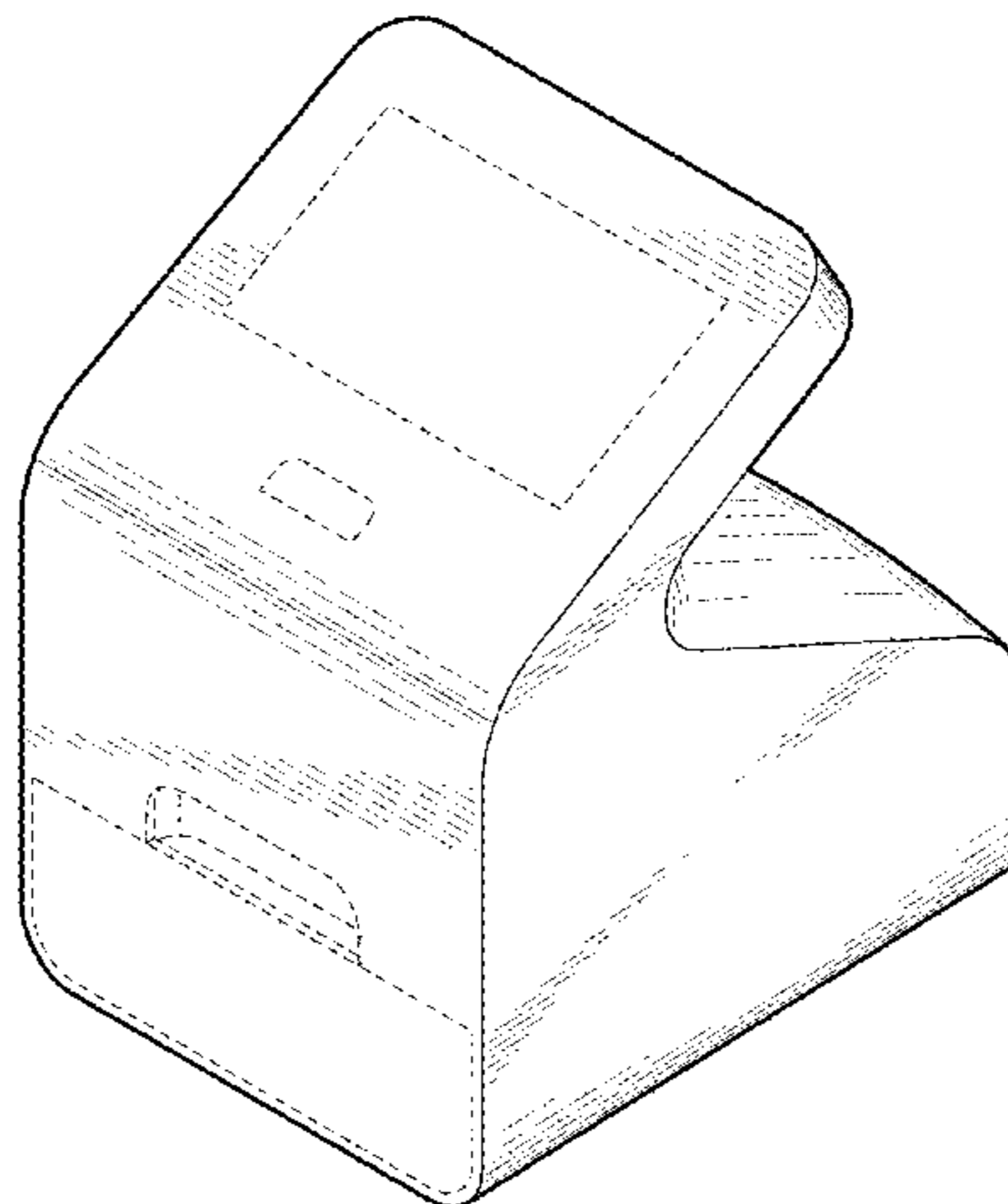
The ornamental design for a lateral flow reader, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, side perspective view of a lateral flow reader;  
FIG. 2 is a front view thereof;  
FIG. 3 is a side view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is another side view thereof;  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.  
In the drawings, the broken lines are for the purpose of illustrating environment only and form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**

- (56) **References Cited**  
U.S. PATENT DOCUMENTS  
3,675,640 A \* 7/1972 Gatts ..... A61B 5/0205 600/484  
4,121,574 A \* 10/1978 Lester ..... A61B 5/02416 600/479



(56)

**References Cited**

U.S. PATENT DOCUMENTS

5,378,233 A \* 1/1995 Haber ..... A61M 5/19  
604/135  
5,653,940 A \* 8/1997 Carey ..... B01L 3/508  
356/218  
5,658,456 A \* 8/1997 Kenley ..... A61L 2/04  
210/85  
5,742,718 A \* 4/1998 Harman ..... A61B 18/24  
385/53  
6,261,559 B1 \* 7/2001 Levitt ..... A61K 31/00  
424/139.1  
D675,336 S 1/2013 Laverack et al.  
D686,311 S 7/2013 Mori  
8,753,607 B2 \* 6/2014 Neuman ..... G01N 33/6896  
424/9.1  
D753,311 S 4/2016 Long  
D753,312 S 4/2016 Long  
D789,815 S \* 6/2017 Khattak ..... D10/81  
D796,050 S 8/2017 Nishikawa et al.  
D809,143 S \* 1/2018 Long ..... D24/164  
D820,130 S \* 6/2018 Khattak ..... D10/81  
2003/0180815 A1 9/2003 Rawson et al.  
2012/0321519 A1 12/2012 Brown

\* cited by examiner

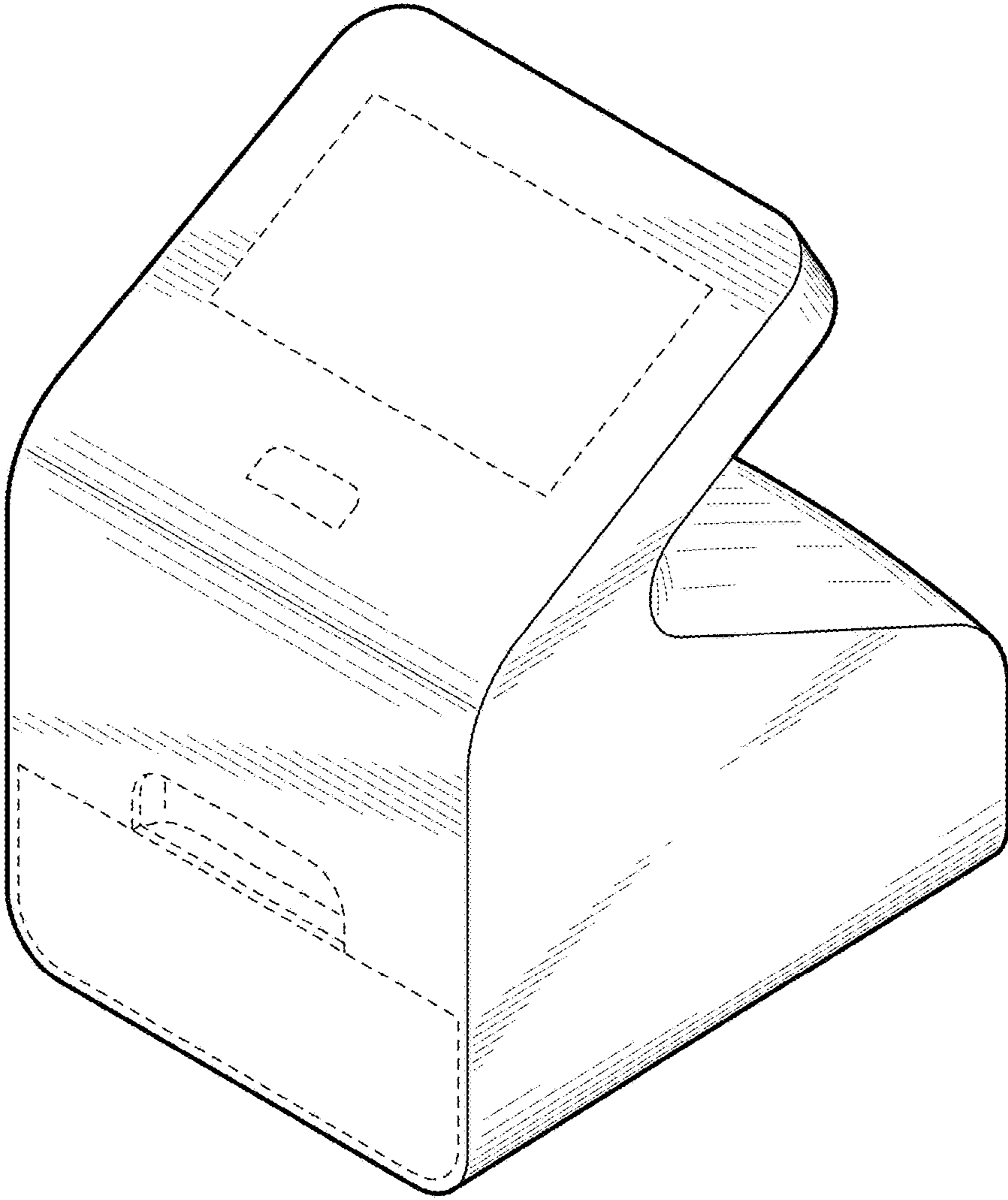


FIG. 1

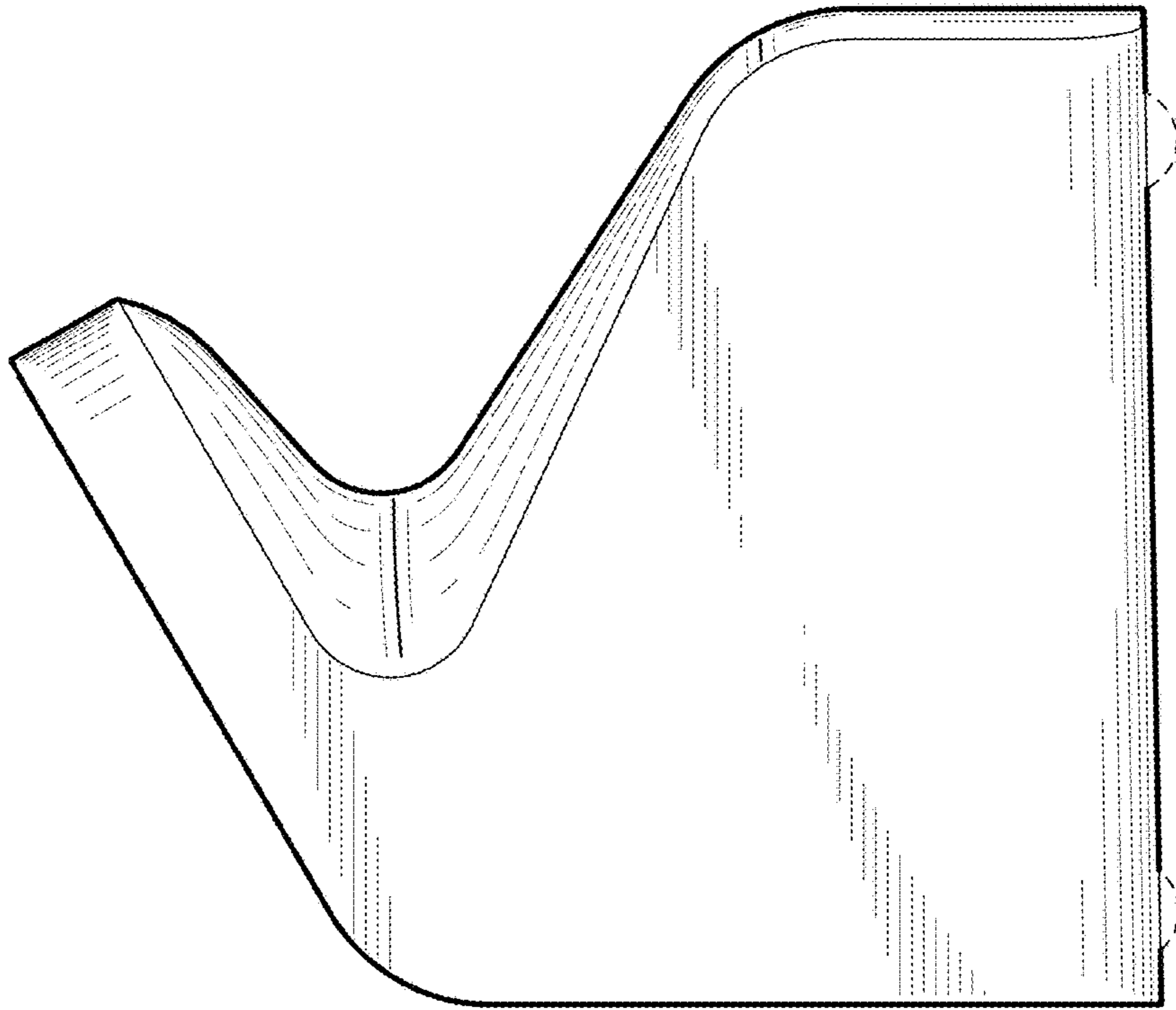


FIG. 3

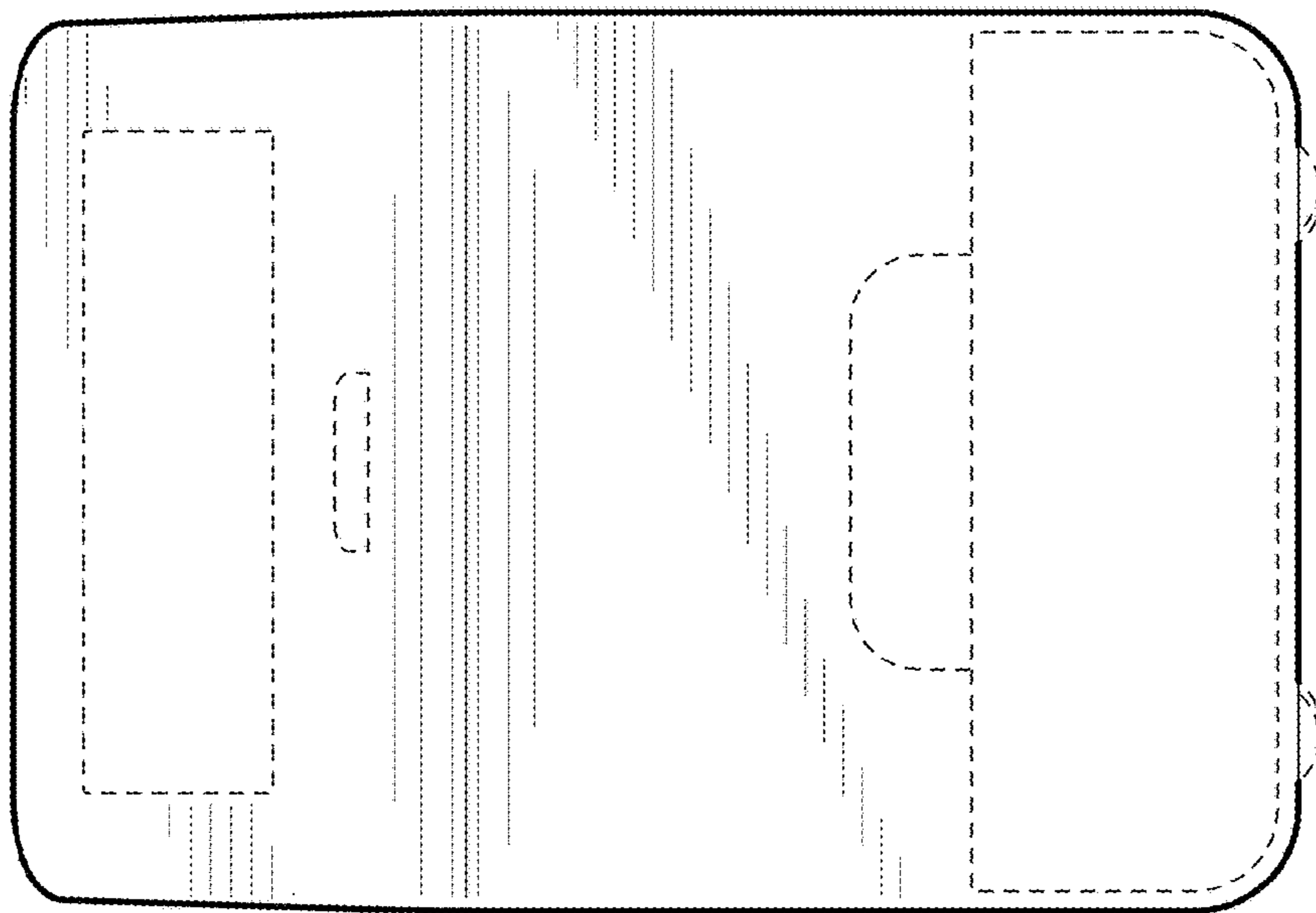


FIG. 2

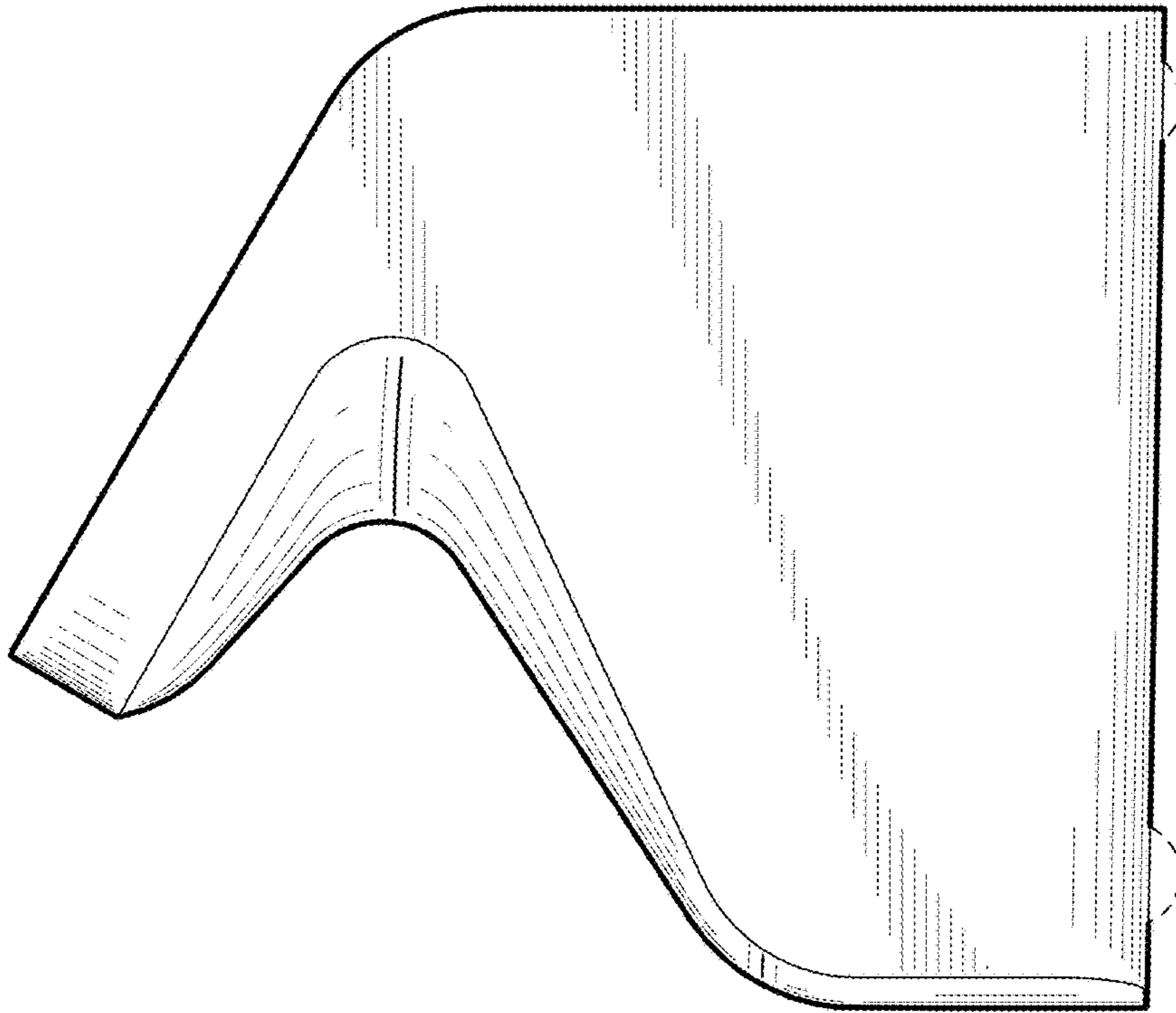


FIG. 5

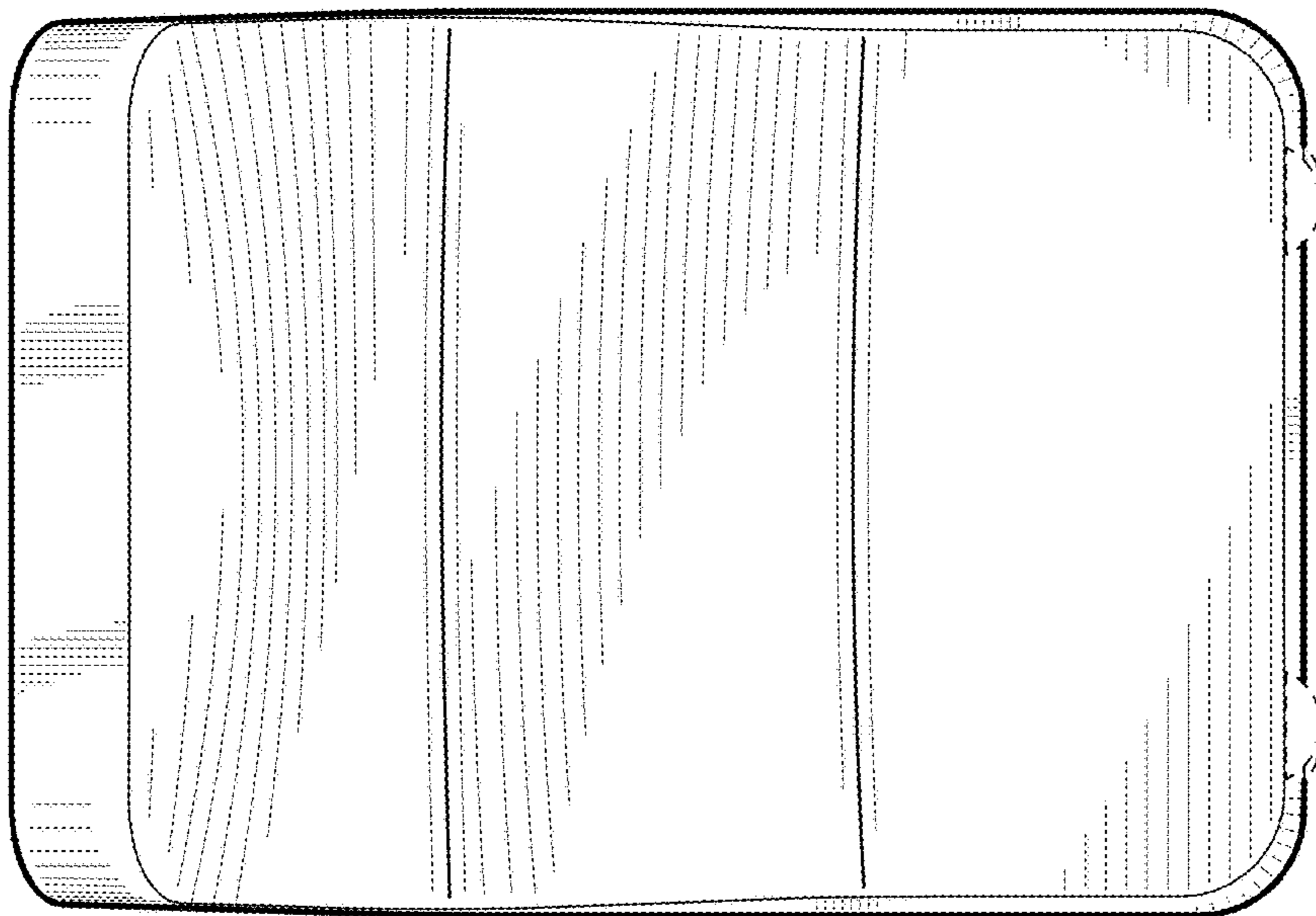


FIG. 4

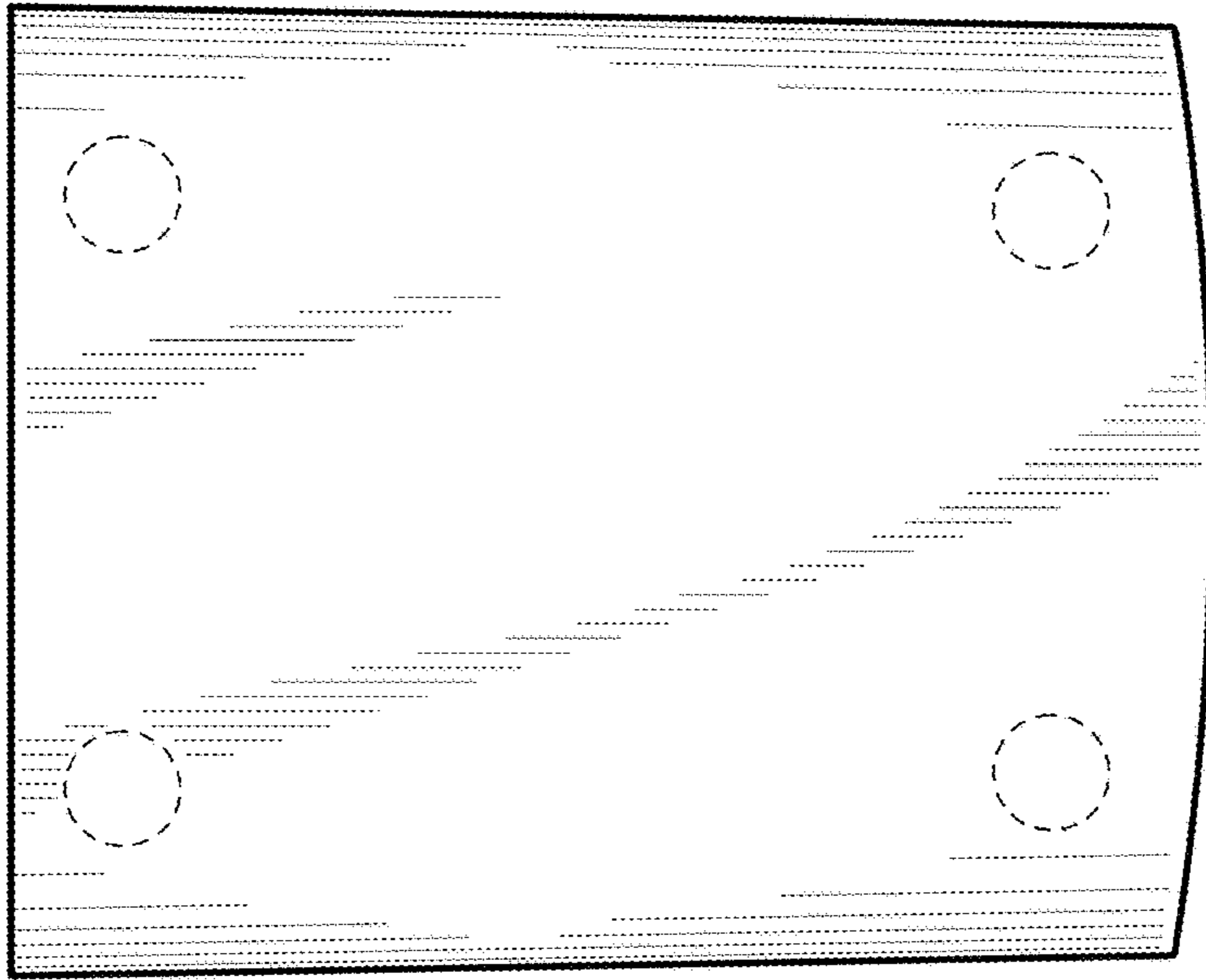


FIG. 7

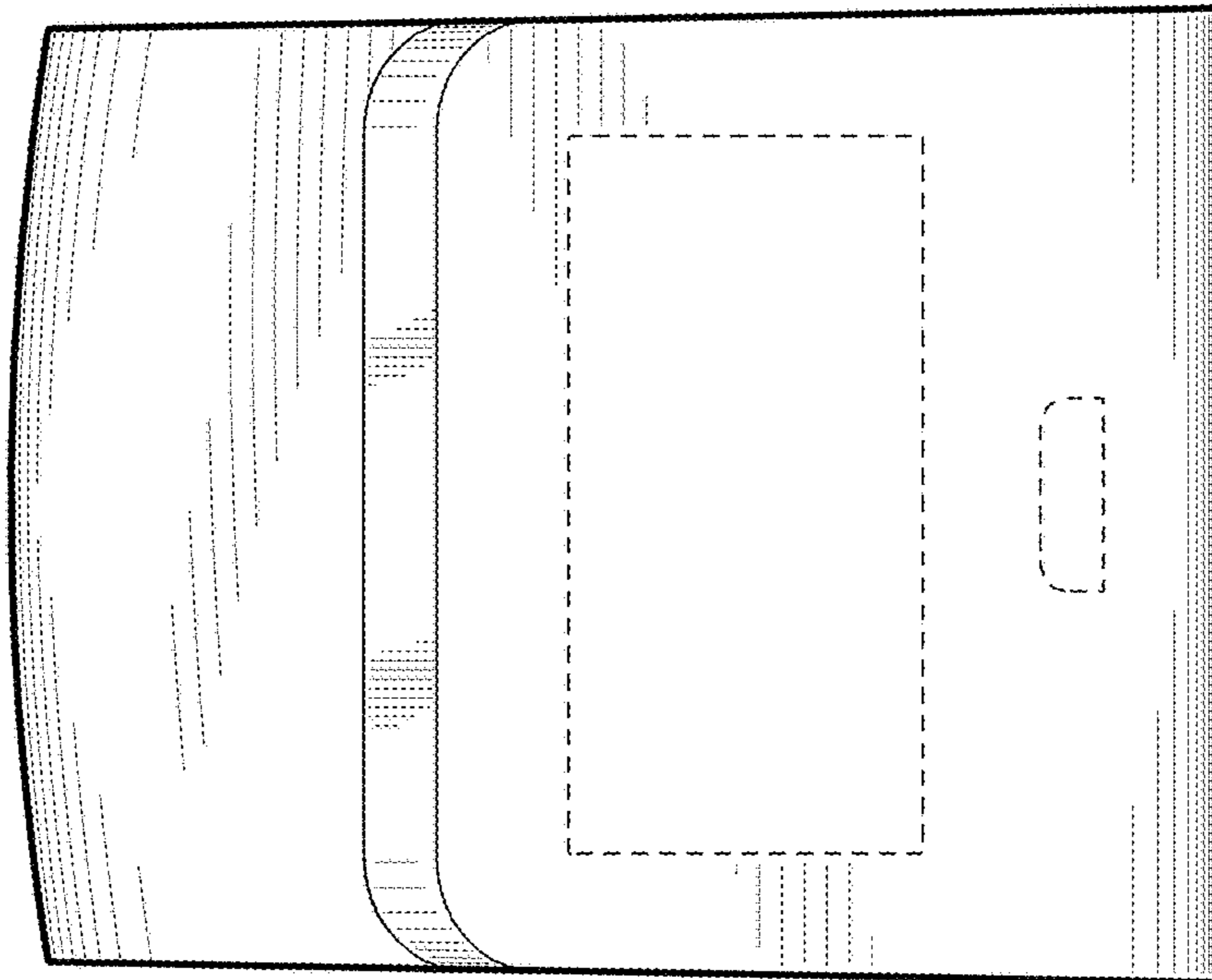


FIG. 6