



US00D725693S

(12) **United States Design Patent**
Lenz et al.(10) **Patent No.:** **US D725,693 S**
(45) **Date of Patent:** **** Mar. 31, 2015**(54) **HEADS-UP DISPLAY PROJECTOR**

(71) Applicant: **Garmin Switzerland GmbH**,
Schaffhausen (CH)

(72) Inventors: **Derrick D. Lenz**, Olathe, KS (US);
Chao-Ting Chen, Taichung (TW);
Warren R. Stevens, Olathe, KS (US)

(73) Assignee: **Garmin Switzerland GmbH** (CH)

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

(21) Appl. No.: **29/459,854**

(22) Filed: **Jul. 3, 2013**

(51) LOC (10) Cl. **16-02**
(52) U.S. Cl.
USPC **D16/229; D16/225**

(58) **Field of Classification Search**
USPC D16/203, 221, 225, 229–235; D21/514;
D12/400; 345/7–8; 353/11–13, 98,
353/115, 119, 122

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,049,288 A * 4/2000 Kawasaki 345/7
6,504,518 B1 * 1/2003 Kuwayama et al. 345/7
6,837,581 B1 * 1/2005 Raines et al. 353/13
D546,365 S * 7/2007 Jost et al. D16/221
7,528,798 B2 * 5/2009 Harada et al. 345/7
D623,214 S * 9/2010 Onoda D16/225
2011/0273364 A1 * 11/2011 Christensen 345/7
2014/0176397 A1 * 6/2014 Zhao et al. 345/7

OTHER PUBLICATIONS

Garmin Head-up Display Review. Sep. 9, 2013. [Retrieved on Oct. 6, 2014]. Retrieved from the Internet: <URL: http://www.google.com>.*

* cited by examiner

Primary Examiner — Wan Laymon

(74) Attorney, Agent, or Firm — Samuel M. Korte;
Mohammad M. Ali

(57) **CLAIM**

The ornamental design for a heads-up display projector, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a heads-up display projector according to embodiments of the present invention; FIG. 2 is a rear perspective view of the heads-up display projector;

FIG. 3 is a top view of the heads-up display projector;
FIG. 4 is a front view of the heads-up display projector;
FIG. 5 is a bottom view of the heads-up display projector;
FIG. 6 is a rear view of the heads-up display projector;
FIG. 7 is a left side view of the heads-up display projector;
and,
FIG. 8 is a right side view of the heads-up display projector.
The broken lines shown in the figures represent portions of the heads-up display projector that form no part of the claimed design.

1 Claim, 3 Drawing Sheets

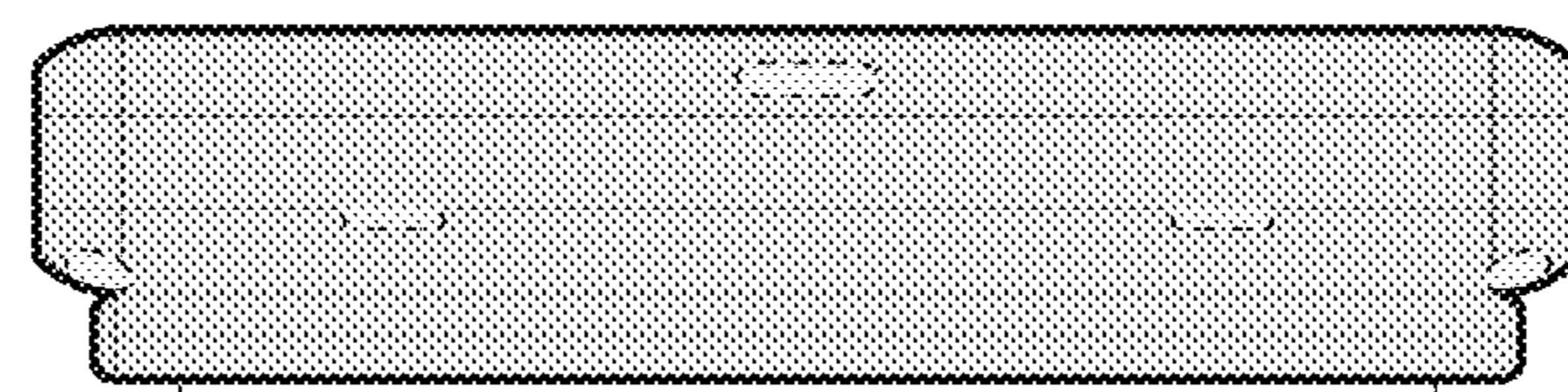
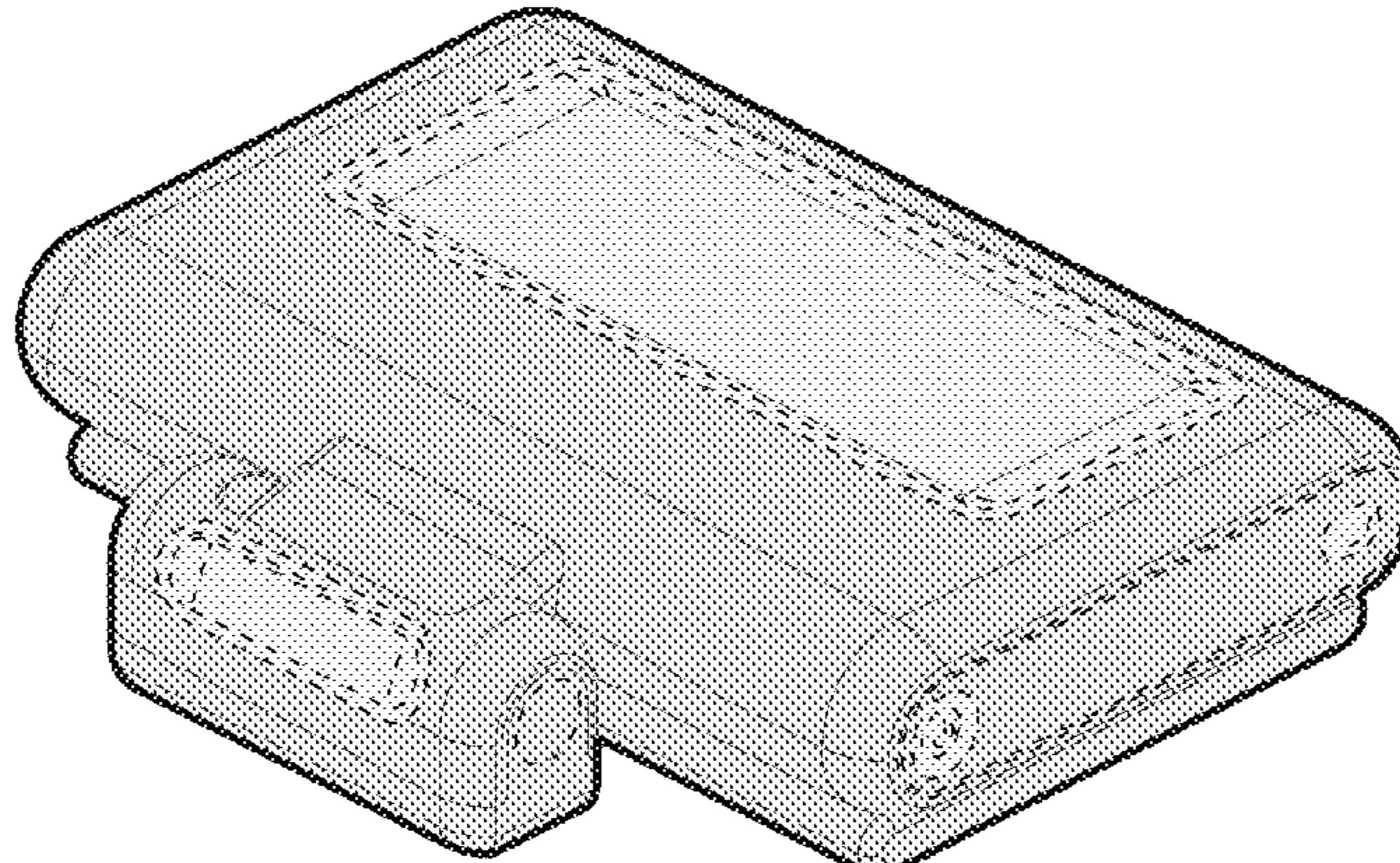


Fig. 1

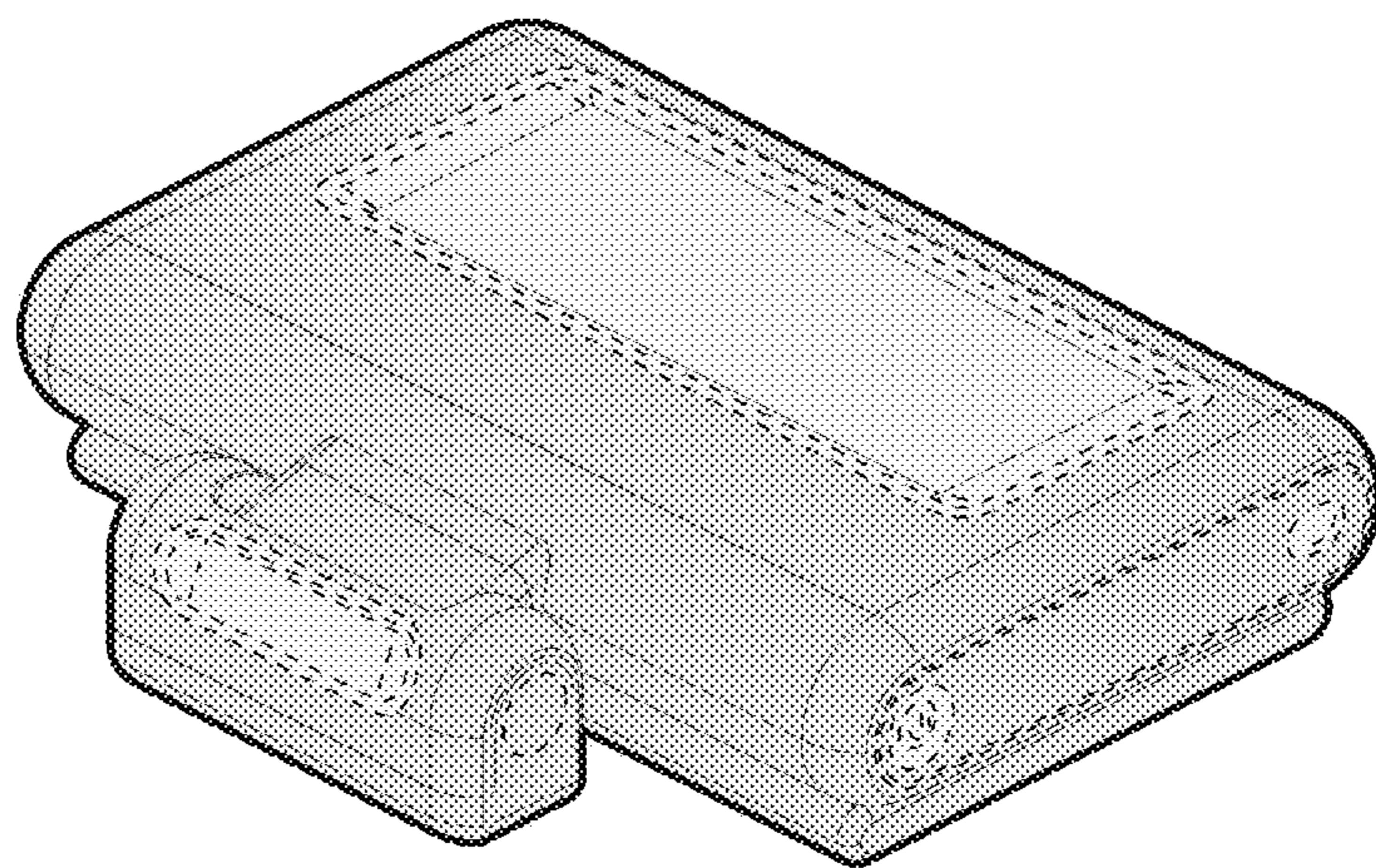
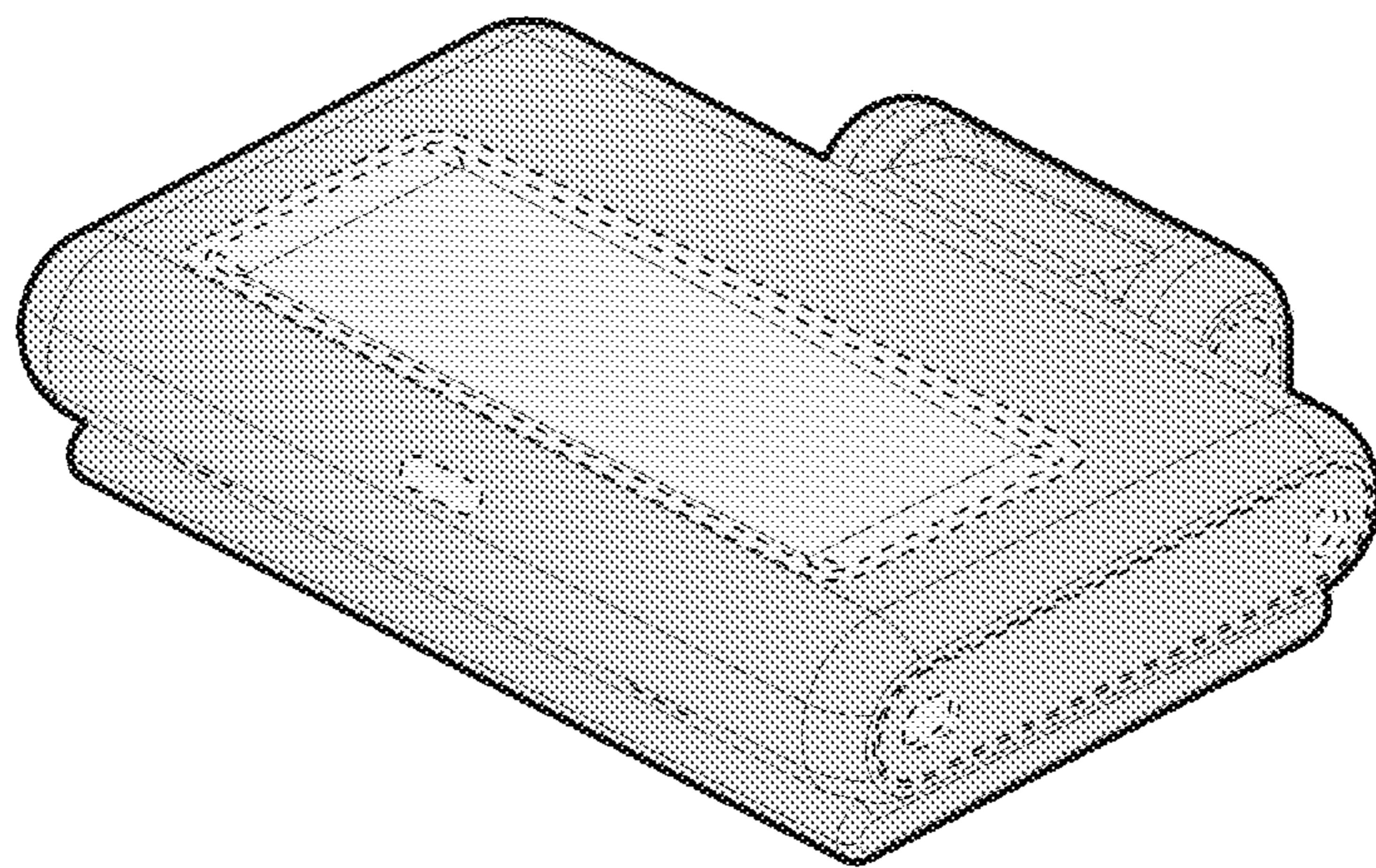


Fig. 2



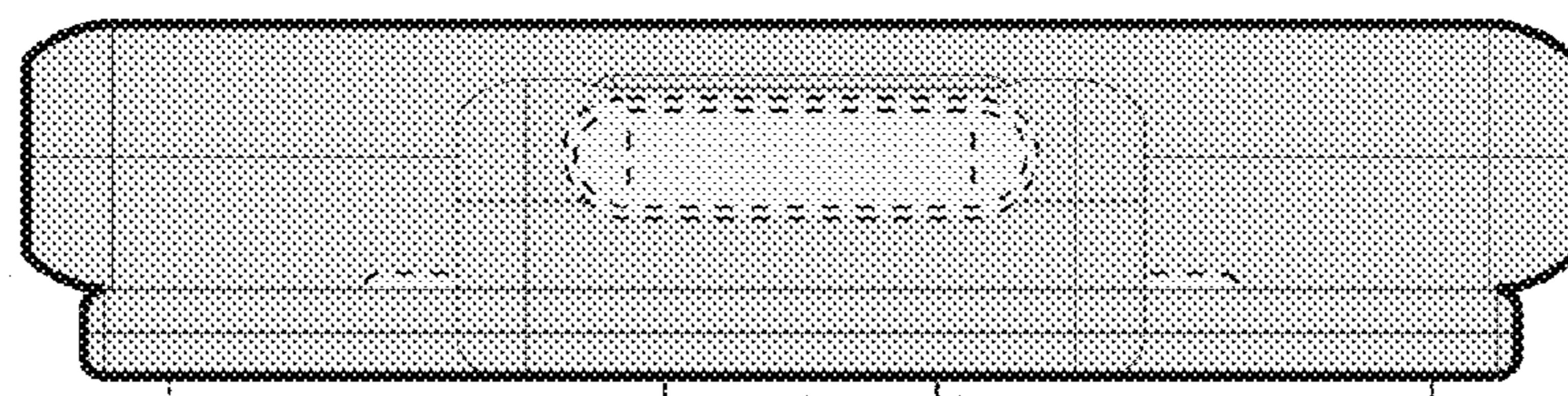


Fig. 3

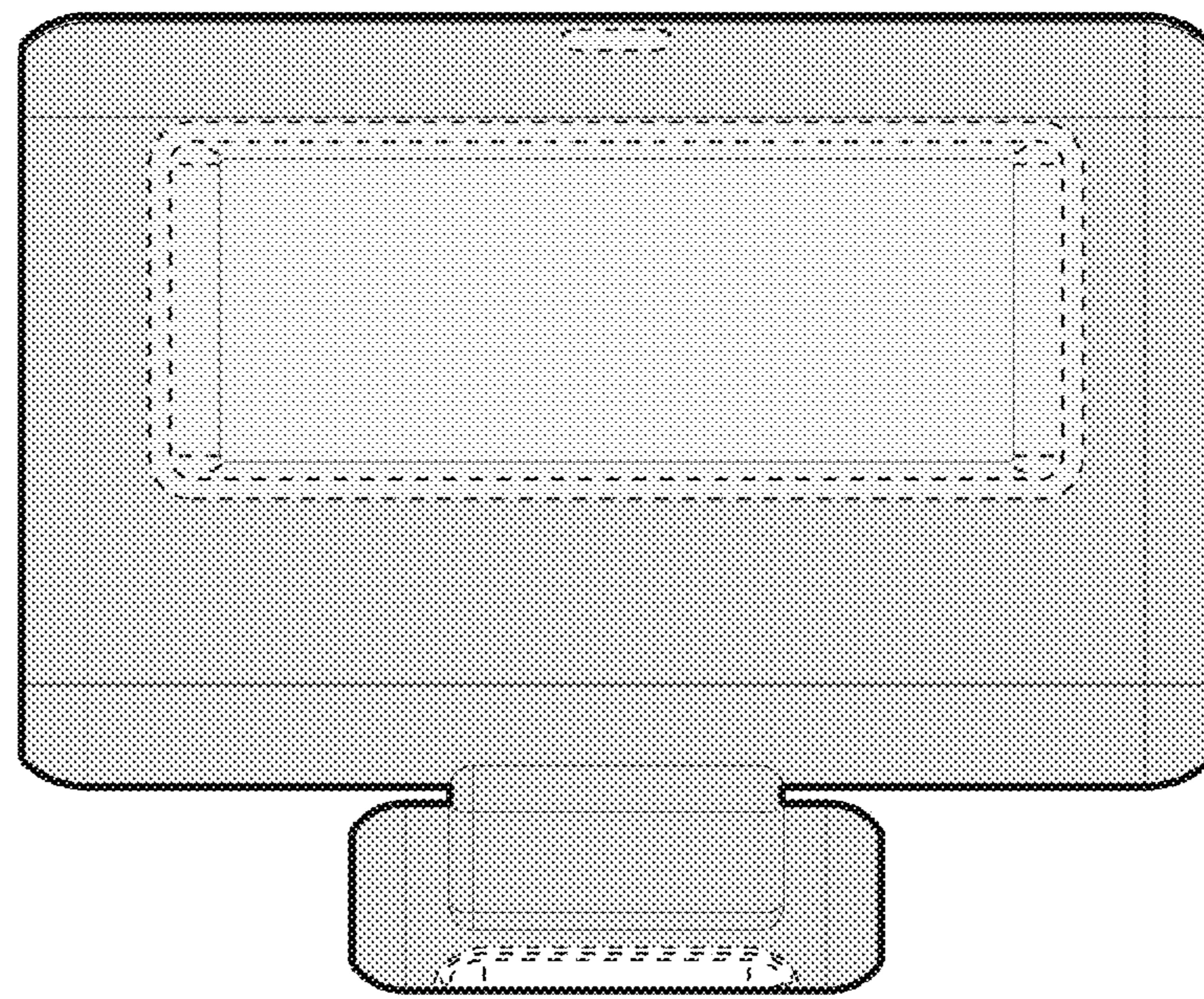


Fig. 4

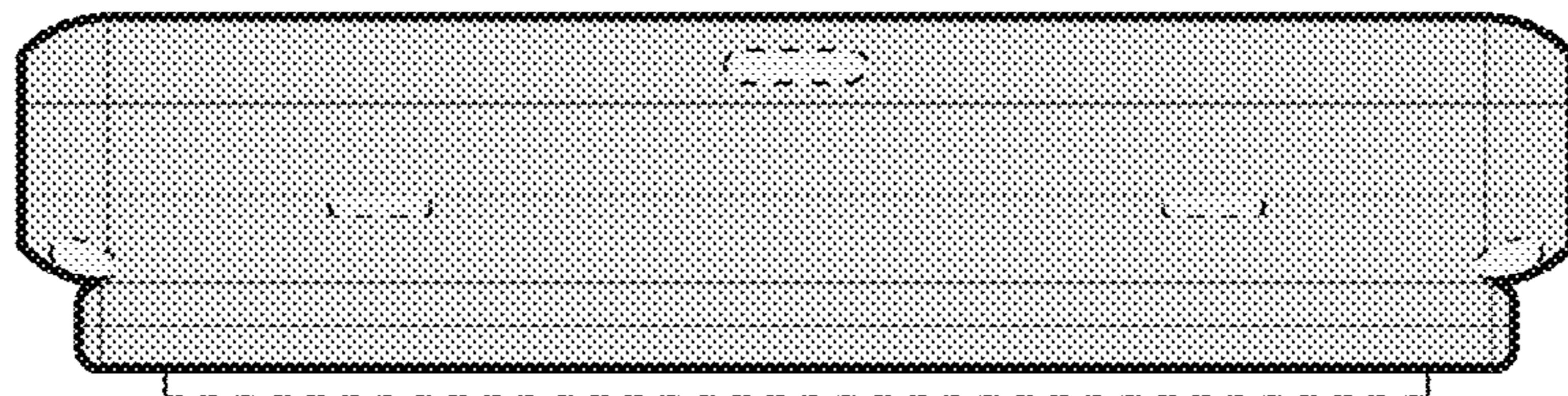


Fig. 5

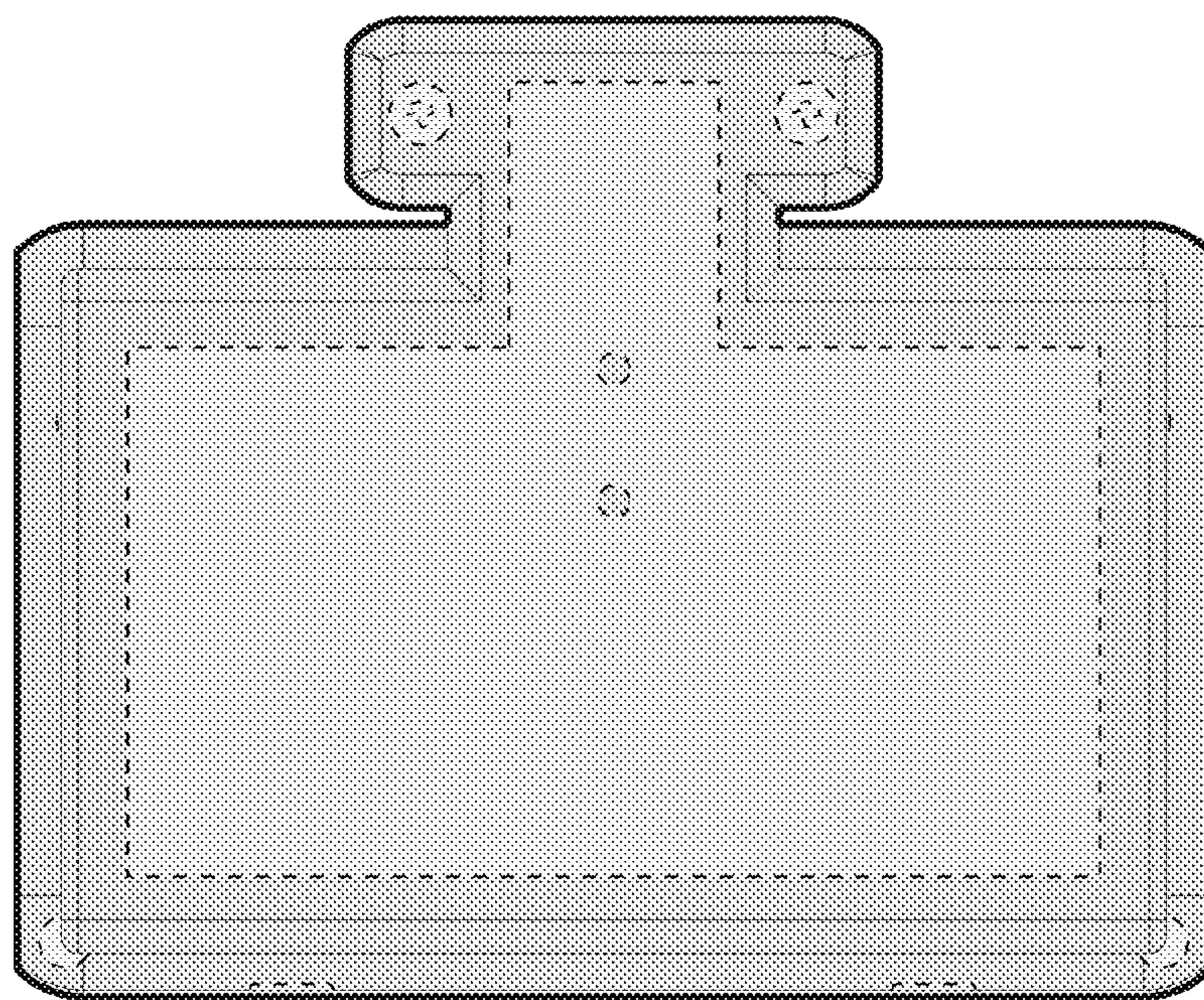


Fig. 6

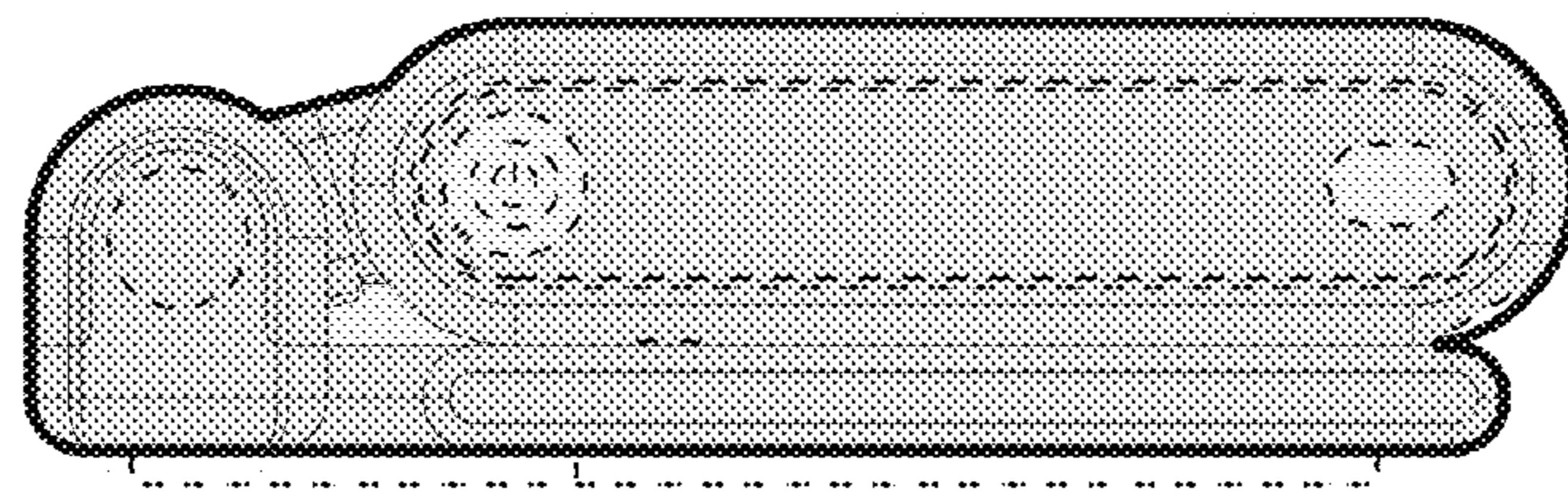


Fig. 7

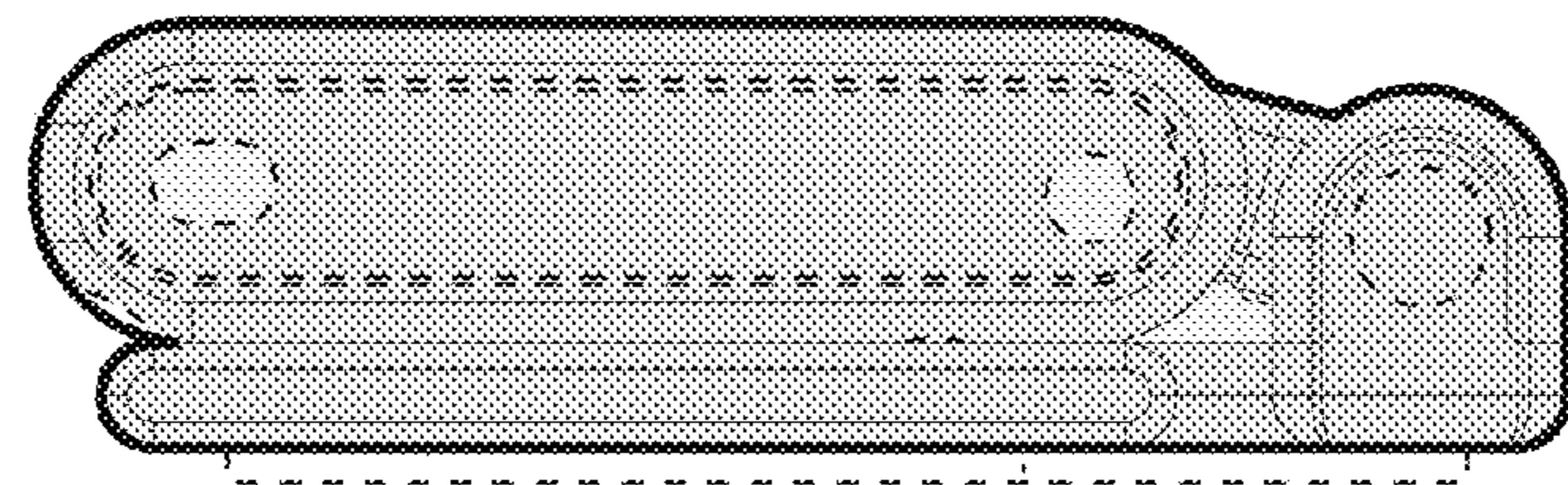


Fig. 8