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(12) **United States Design Patent**  
**Sato et al.**(10) **Patent No.:** **US D842,729 S**  
(45) **Date of Patent:** **\*\* Mar. 12, 2019**(54) **LOAD DETECTOR FOR BED**(71) Applicant: **MINEBEA MITSUMI Inc.**, Nagano (JP)(72) Inventors: **Kunihiro Sato**, Fujisawa (JP); **Shotaro Miyawaki**, Koto (JP)(73) Assignee: **MINEBEA MITSUMI INC.**, Nagano (JP)(\*\*) Term: **15 Years**(21) Appl. No.: **29/610,868**(22) Filed: **Jul. 17, 2017**(30) **Foreign Application Priority Data**

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USPC ..... **D10/88**; D10/94; D10/106.6  
(58) Field of Classification Search  
USPC ..... D6/383, 708; D10/87, 88, 94, 106.6  
CPC ..... A61G 7/0527; G01G 3/12; G01G 3/14;  
G01G 3/1402; G01G 19/02; G01G 19/021;  
G01G 19/022; G01G 19/024; G01G 19/025;  
G01G 19/027; G01G 19/03; G01G 19/44;  
G01G 19/445; G01G 19/46; G01G 23/012

See application file for complete search history.

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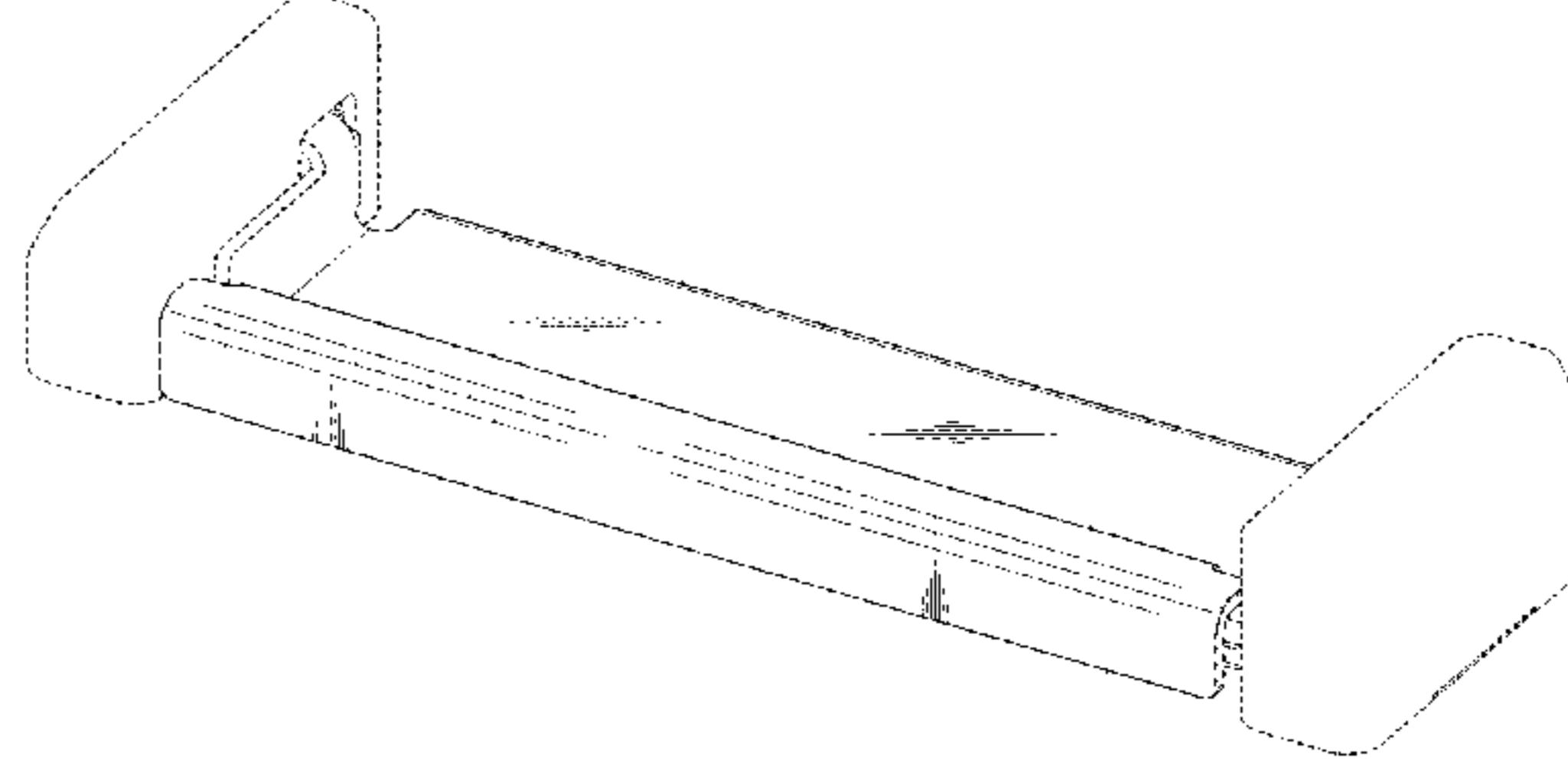
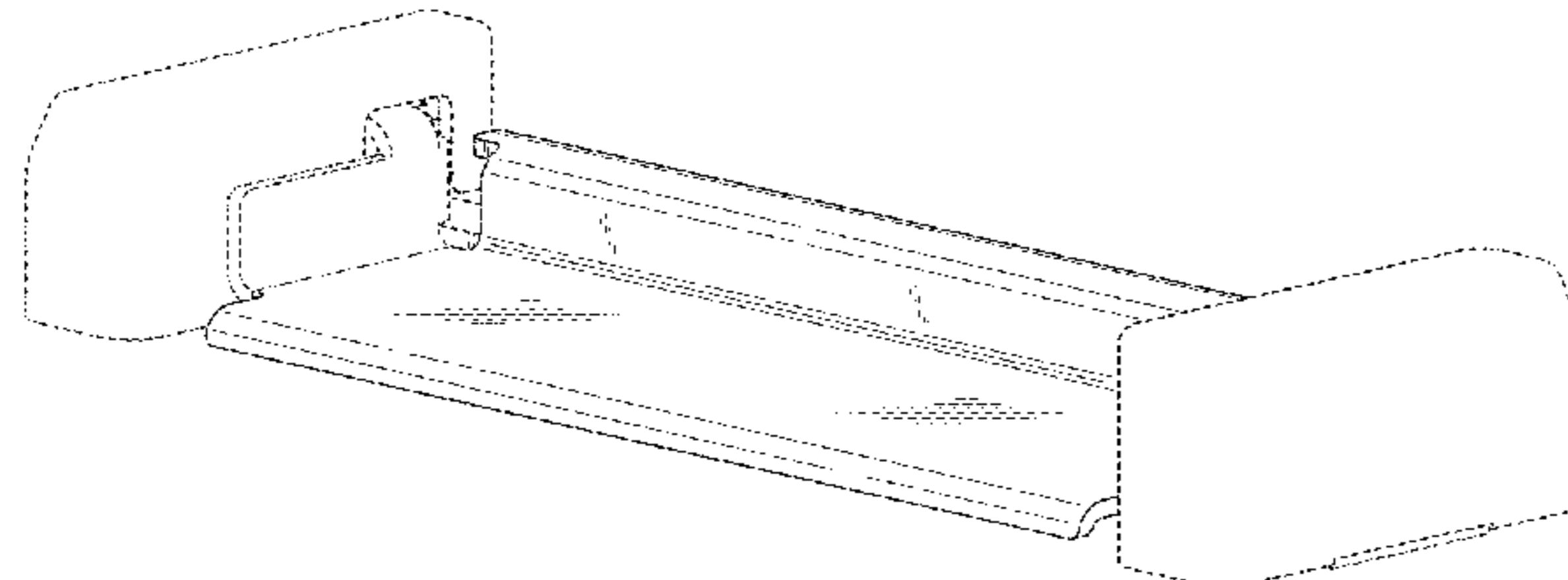
(57) **CLAIM**

The ornamental design for a load detector for bed, as shown and described.

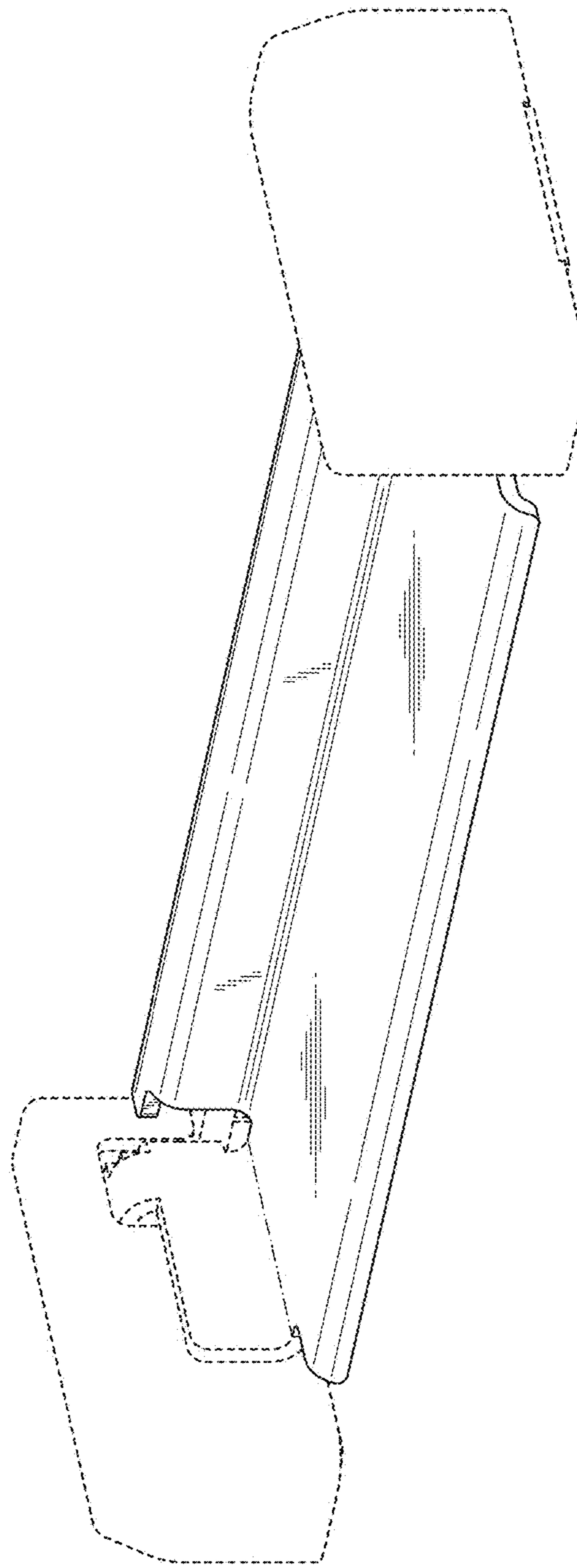
**DESCRIPTION**

FIG. 1 is a front, top and right-side perspective view of a load detector for bed showing our new design;  
FIG. 2 is a rear, top and left-side perspective view thereof;  
FIG. 3 is bottom perspective view thereof;  
FIG. 4 is a front elevational view thereof;  
FIG. 5 is a rear elevational view thereof;  
FIG. 6 is a right side elevational view thereof, the left-side elevational view is a mirror image;  
FIG. 7 is a top plan view thereof; and,  
FIG. 8 is a bottom plan view thereof.

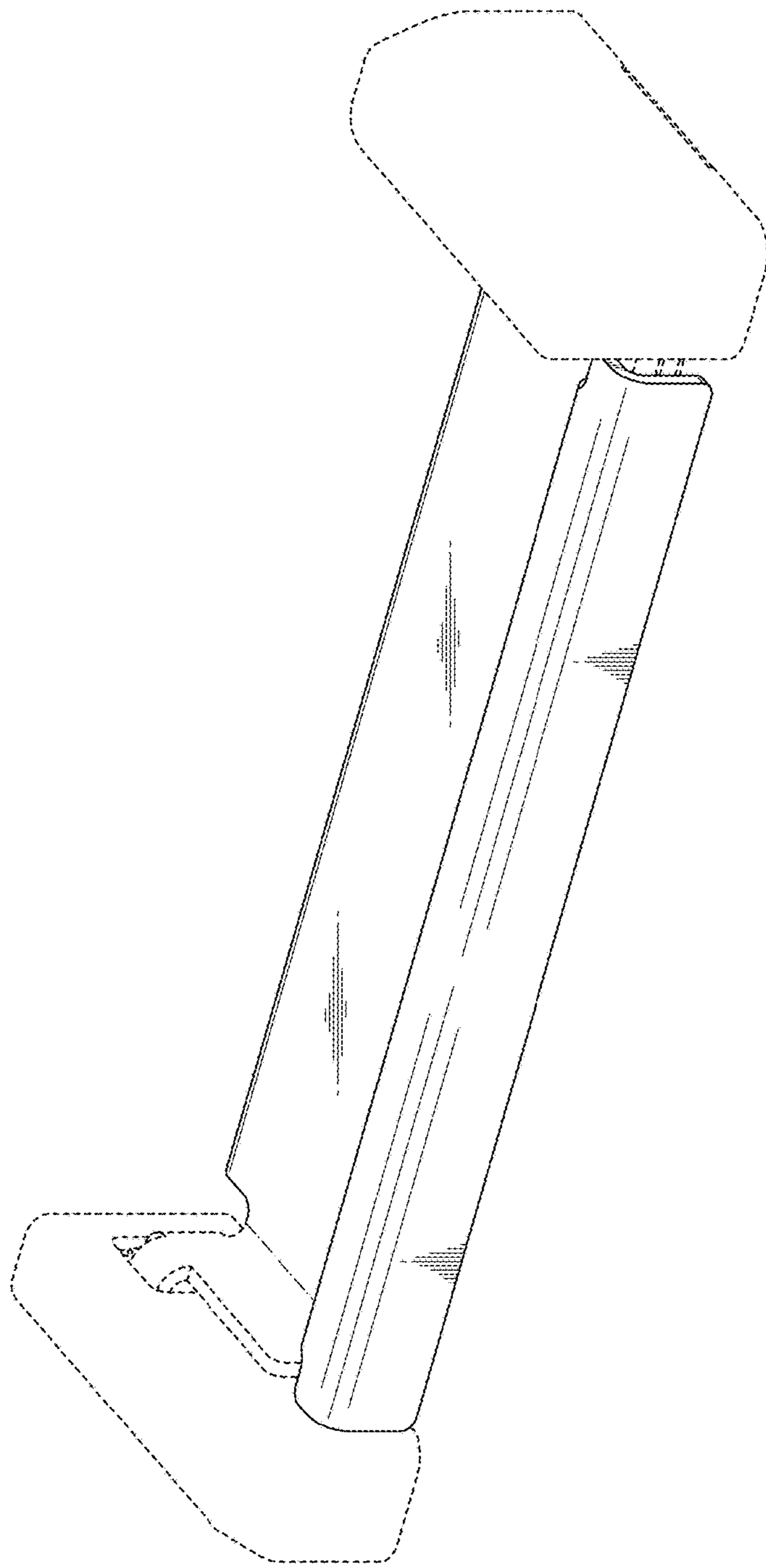
The evenly spaced broken lines depict portions of the load detector for bed in which the design is embodied that form no part of the claimed design. The dot-dash chain broken lines define the boundary of the claimed design and form no part of the claimed design.

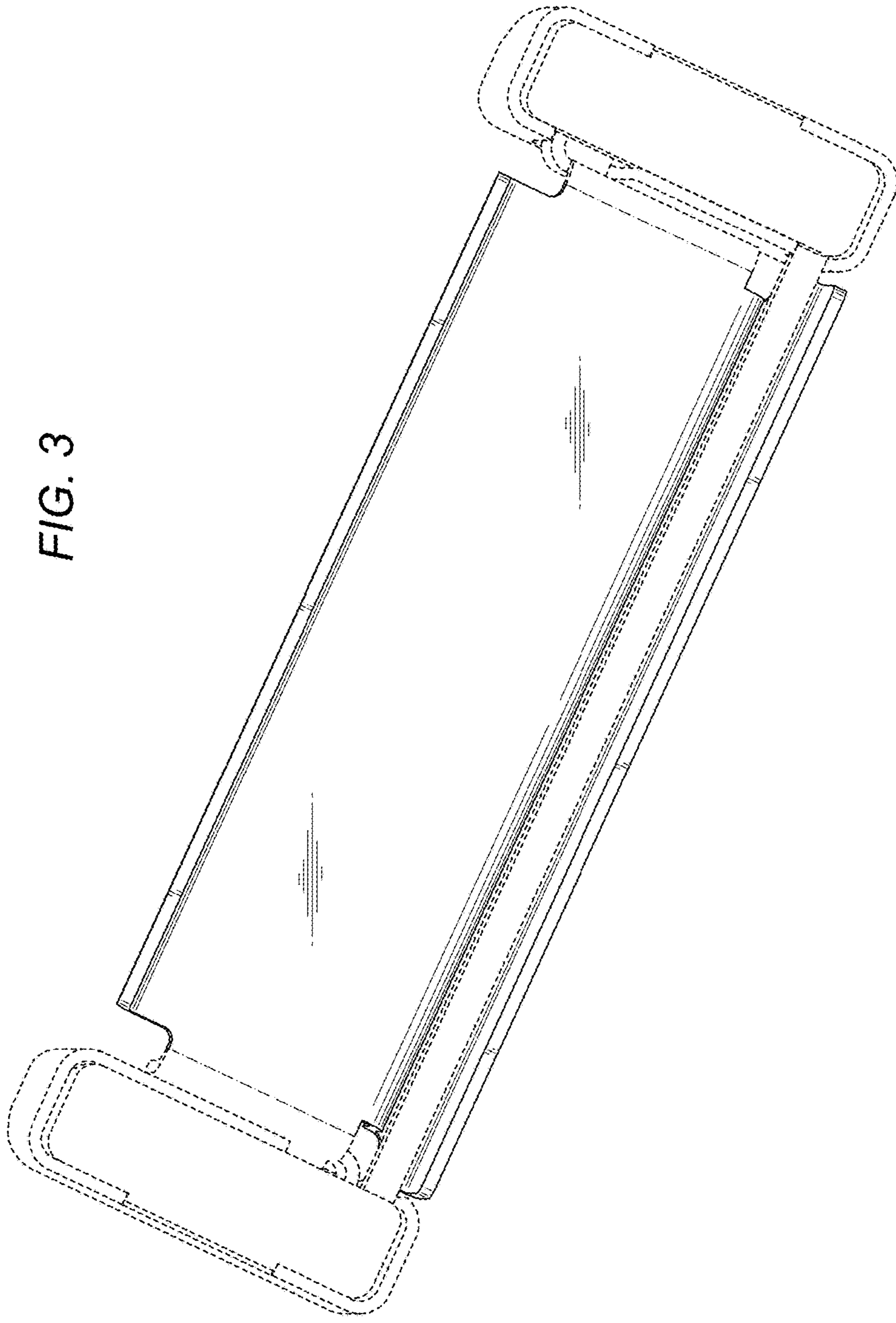
**1 Claim, 7 Drawing Sheets**

**FIG. 1**



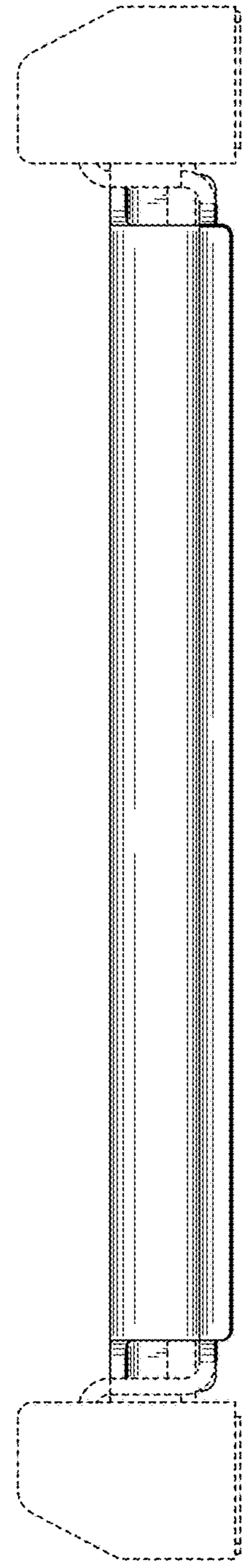
*FIG. 2*



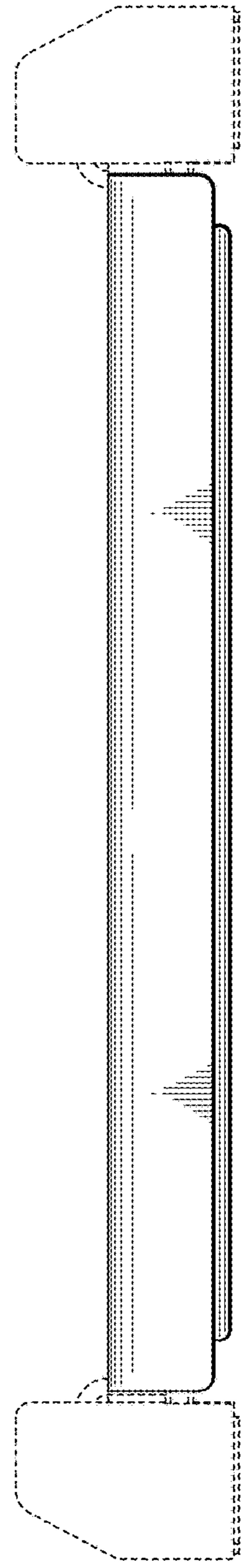


**FIG. 3**

*FIG. 4*



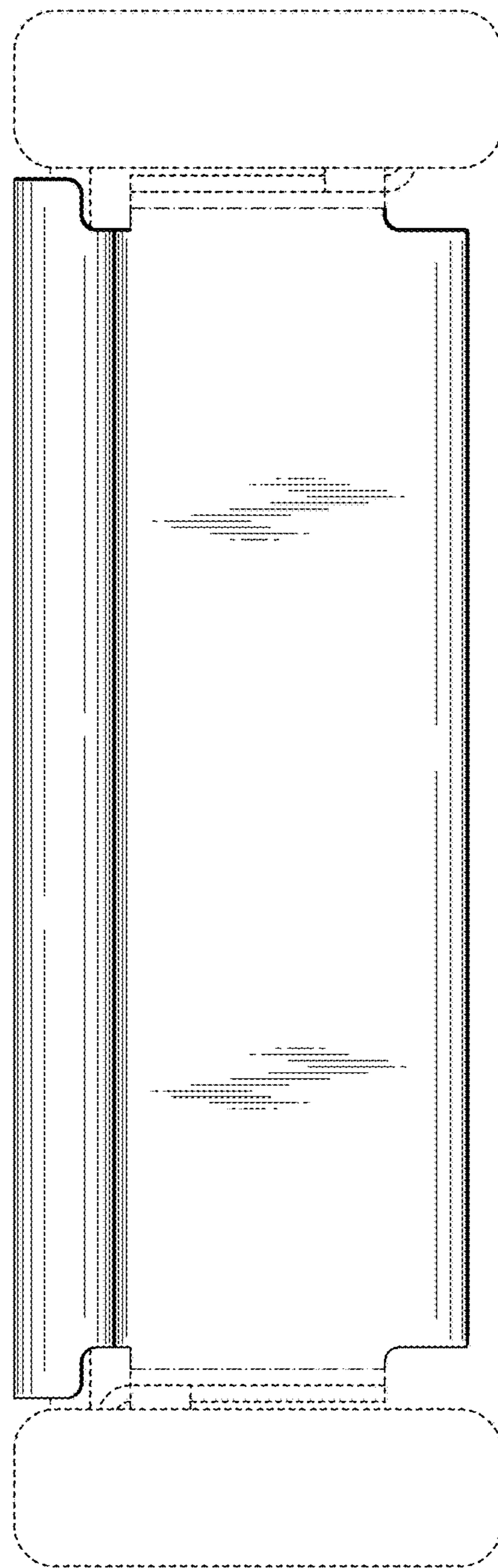
*FIG. 5*



*FIG. 6*



*FIG. 7*



*FIG. 8*

