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(12) **United States Design Patent** (10) **Patent No.:** **US D863,935 S**  
**Aoki et al.** (45) **Date of Patent:** **\*\* Oct. 22, 2019**

(54) **HINGE HAVING MULTIPLE DEGREES OF FREEDOM**

(71) Applicant: **INTEL CORPORATION**, Santa Clara, CA (US)

(72) Inventors: **Russell S. Aoki**, Tacoma, WA (US); **Jeff Ku**, Taipei (TW); **Sheng-Chao Lin**, Taipei (TW)

(73) Assignee: **Intel Corporation**, Santa Clara, CA (US)

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

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**Related U.S. Application Data**

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(51) **LOC (12) Cl.** ..... **08-06**

(52) **U.S. Cl.**  
USPC ..... **D8/329**; D14/440

(58) **Field of Classification Search**  
USPC ..... 16/337, 224, 342, 366, 368, 375, 382, 16/386, 367; 361/679.58, 679.07, 679.06, 361/679.27; D8/327, 323, 329; D14/440  
CPC ..... F16M 11/12; G06F 1/1681; G06F 1/162  
See application file for complete search history.

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*Primary Examiner* — Cynthia R Underwood

(74) *Attorney, Agent, or Firm* — International IP Law Group, P.L.L.C.

(57) **CLAIM**

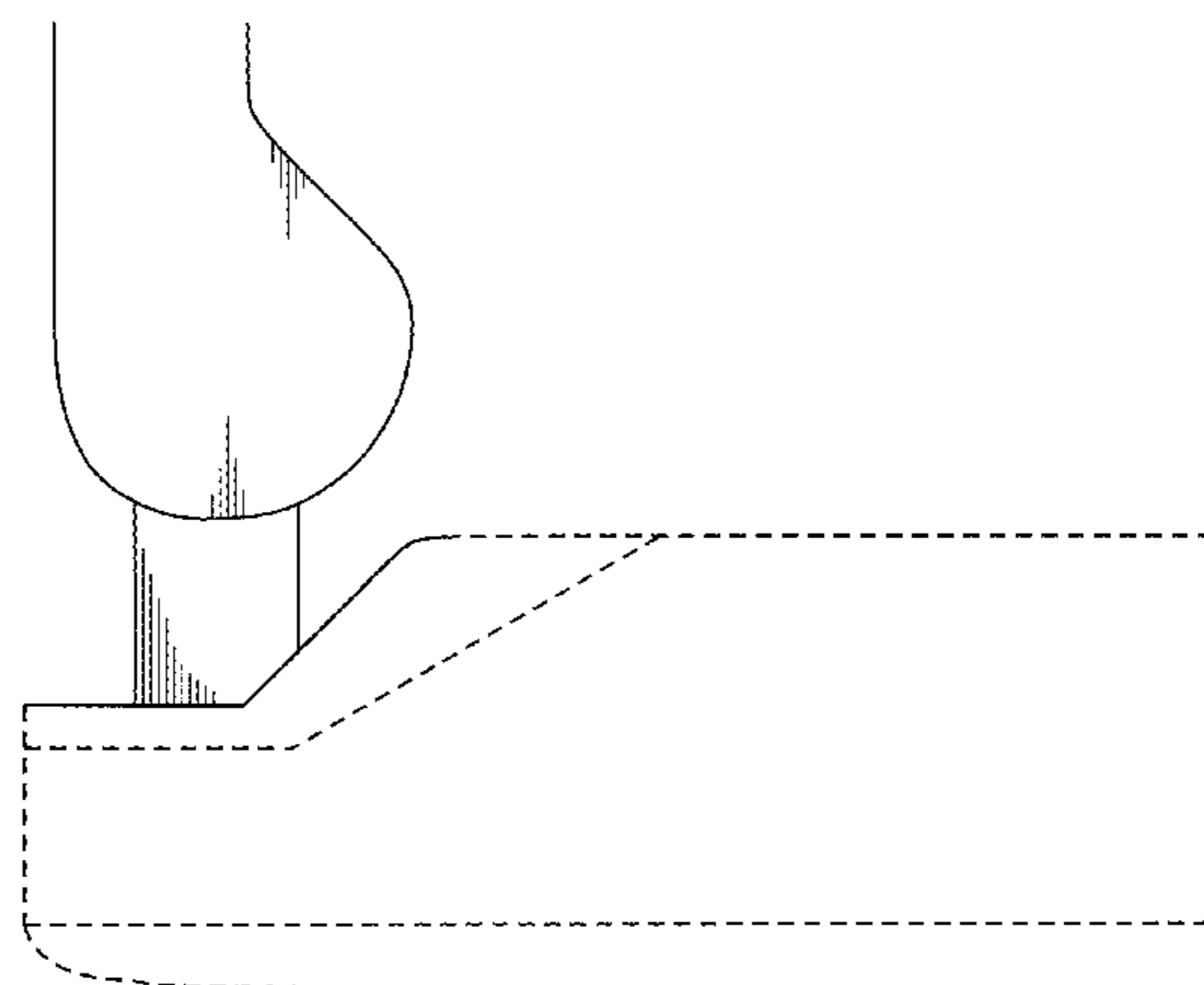
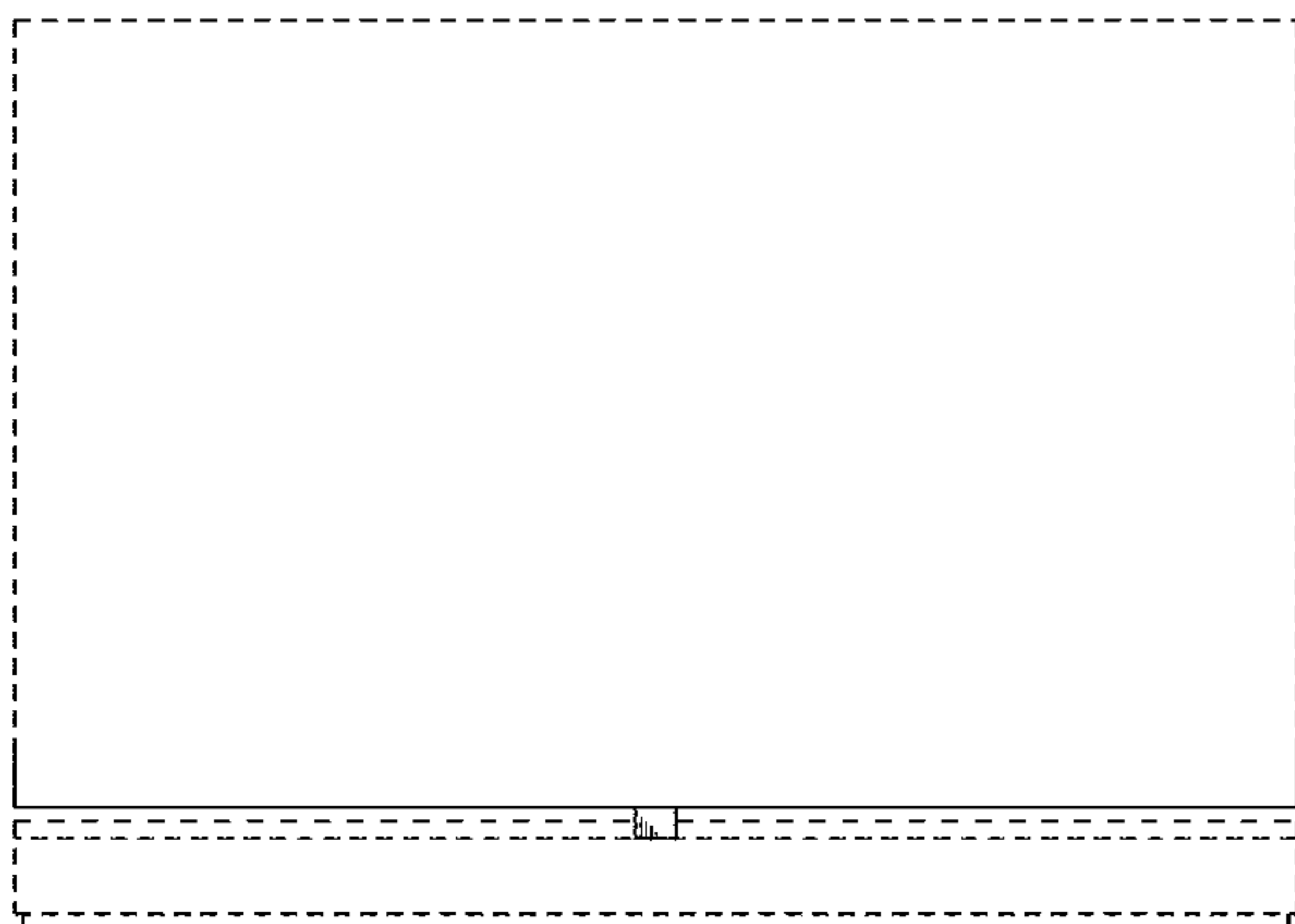
The ornamental design for a hinge having multiple degrees of freedom, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of the hinge having multiple degrees of freedom;  
FIG. 2 is a back view thereof;  
FIG. 3 is a top view thereof;  
FIG. 4 is a bottom view thereof;  
FIG. 5 is a side view thereof;  
FIG. 6 is the opposite side view thereof;  
FIG. 7 is a perspective view thereof;  
FIG. 8 is an enlarged perspective view thereof taken from the portion within the broken line rectangle in FIG. 7;  
FIG. 9 is an enlarged view of FIG. 5;  
FIG. 10 is a front view of the hinge having multiple degrees of freedom from FIG. 1 in an alternate configuration;  
FIG. 11 is a back view of the hinge having multiple degrees of freedom from FIG. 1 in the alternate configuration; and,  
FIG. 12 is a side view thereof shown in a closed configuration.

The broken lines depict environment and form no part of the claim.

**1 Claim, 12 Drawing Sheets**



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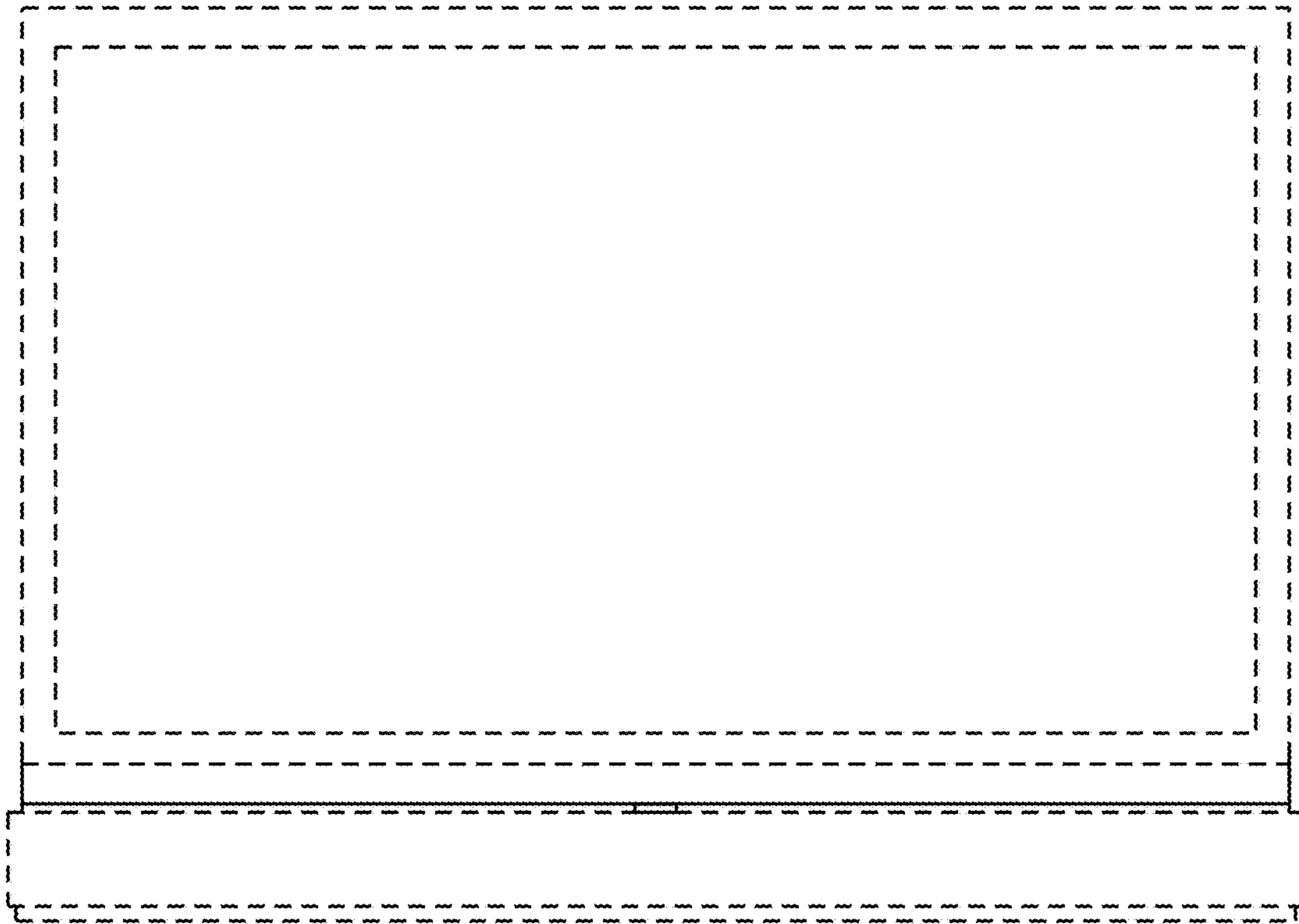


FIG. 1

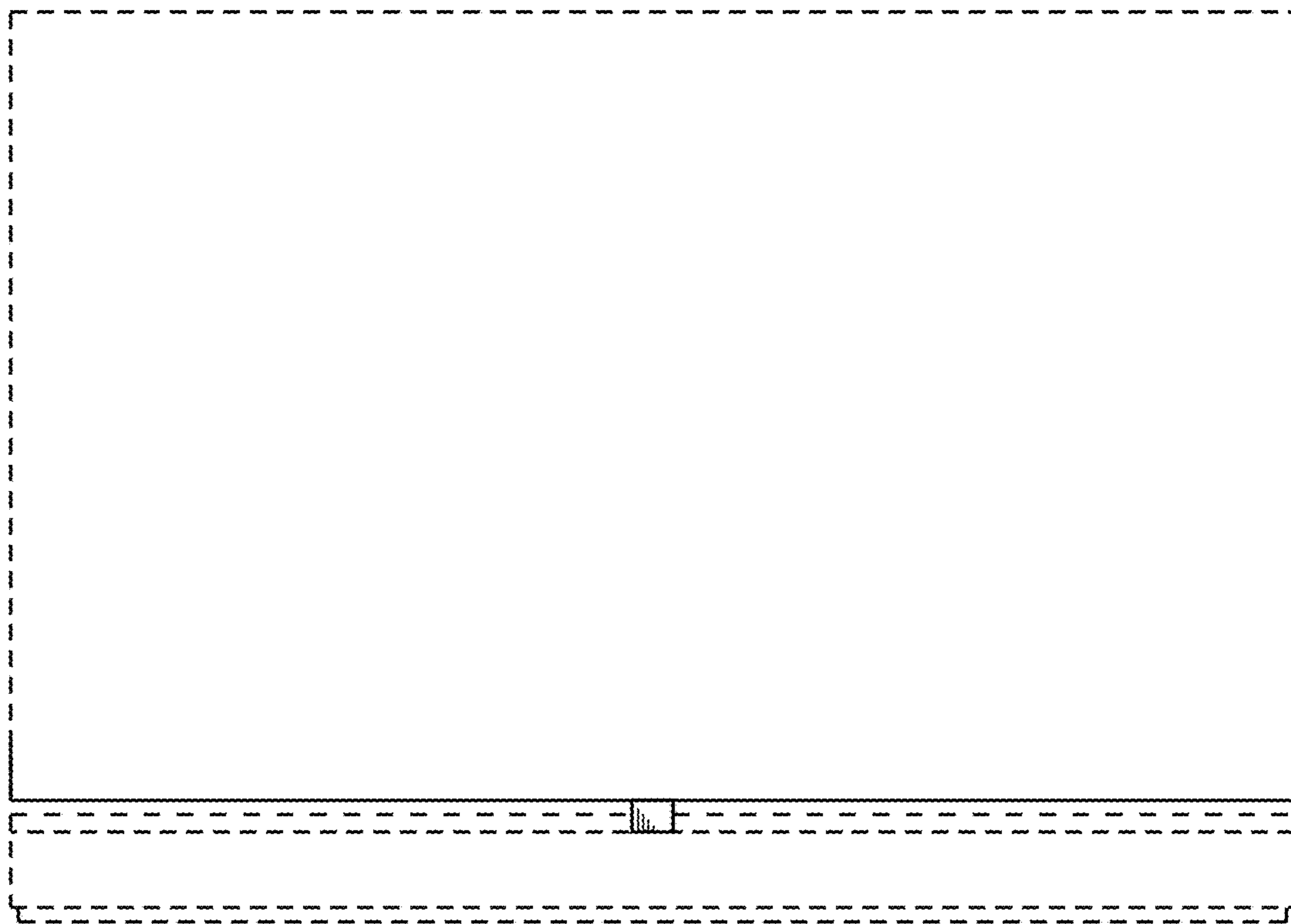


FIG. 2

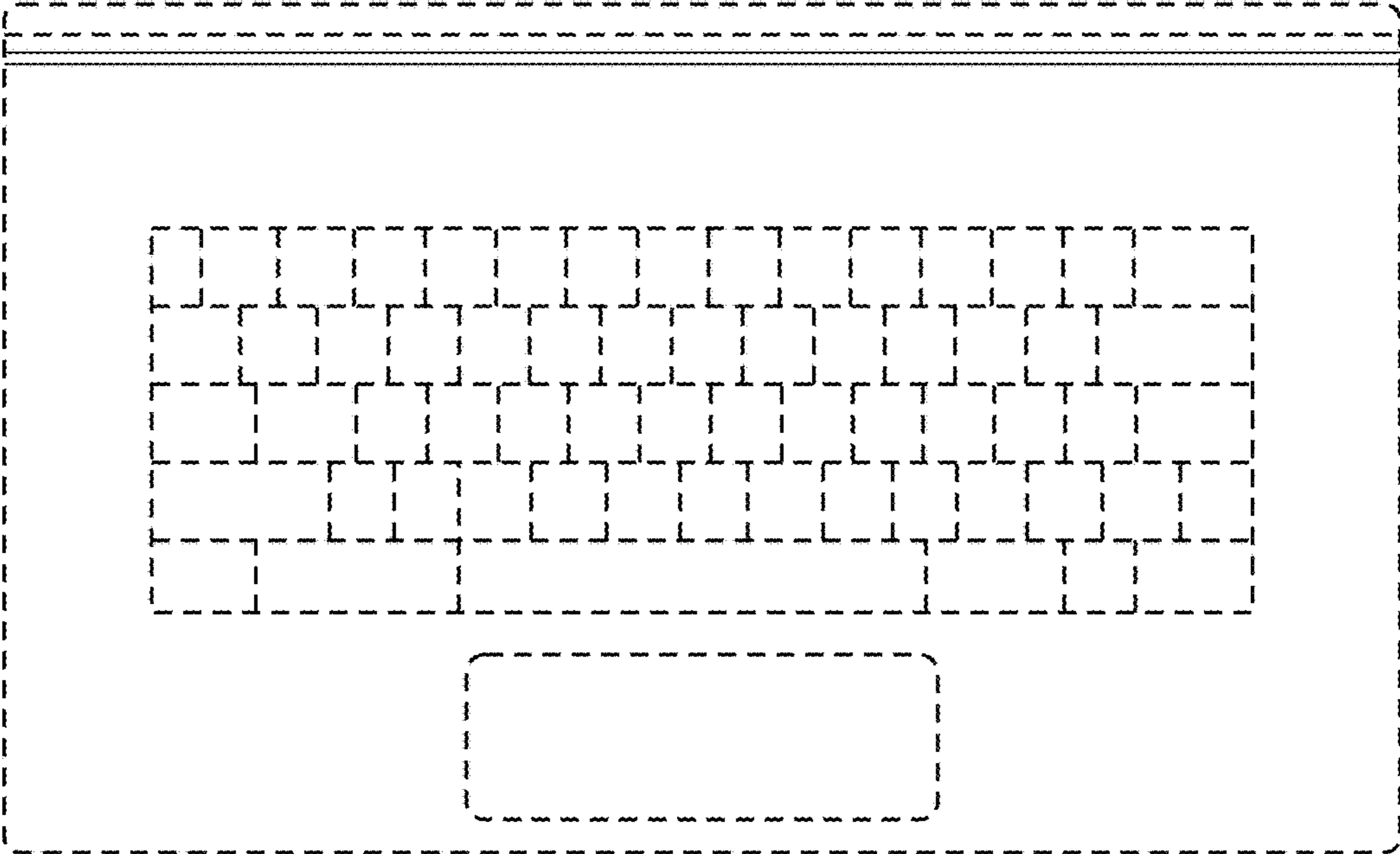


FIG. 3



FIG. 4

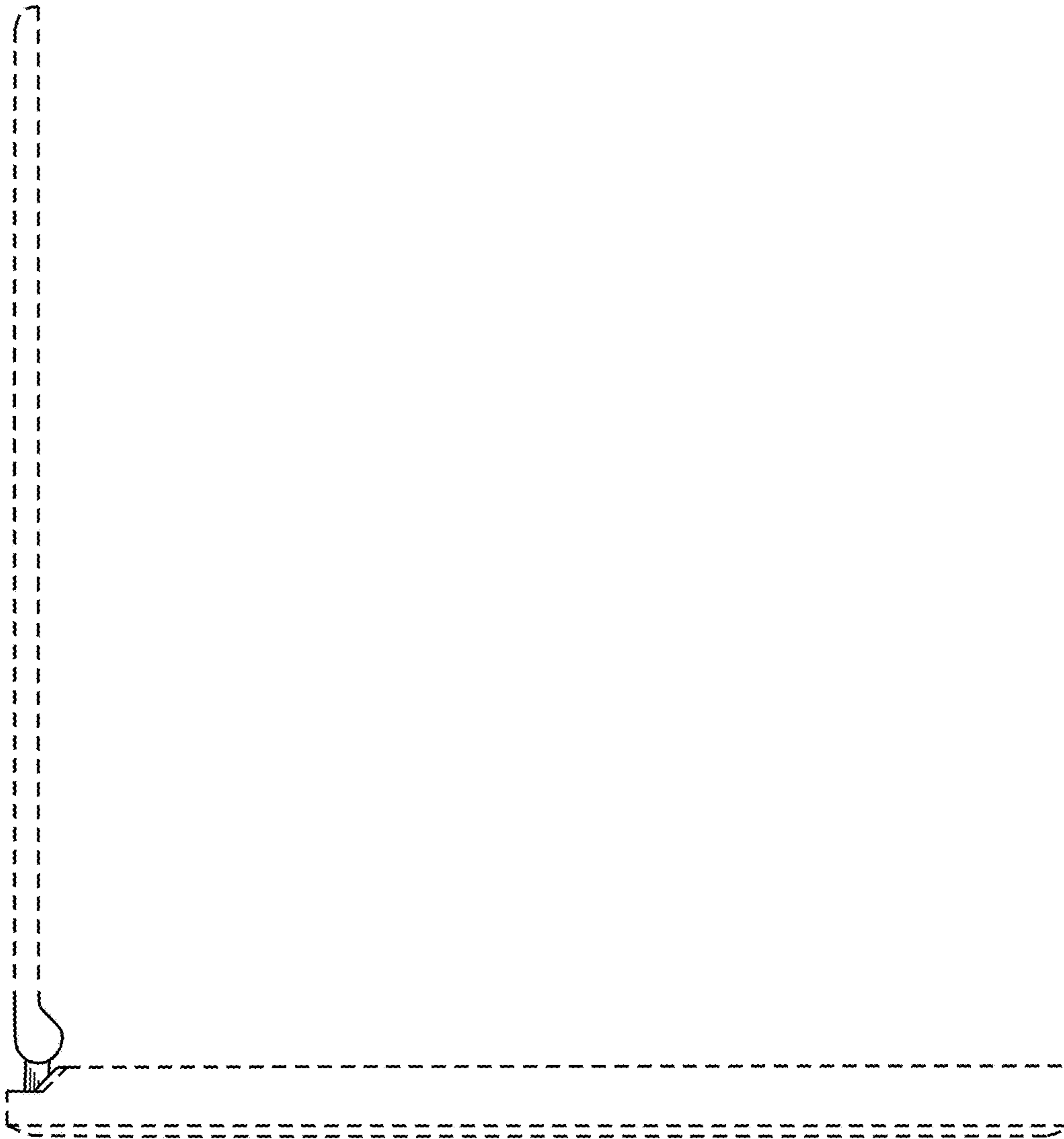


FIG. 5

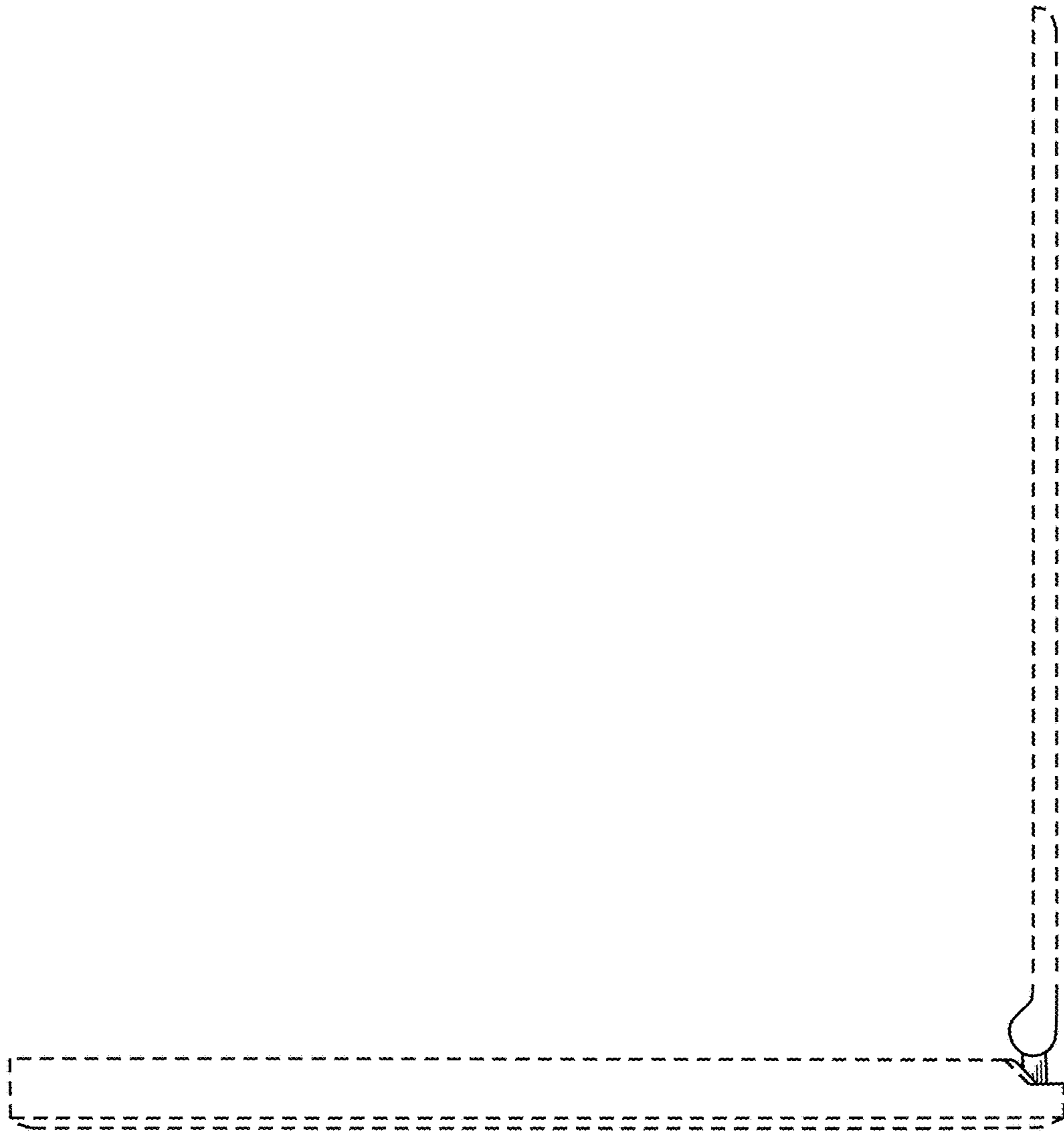


FIG. 6



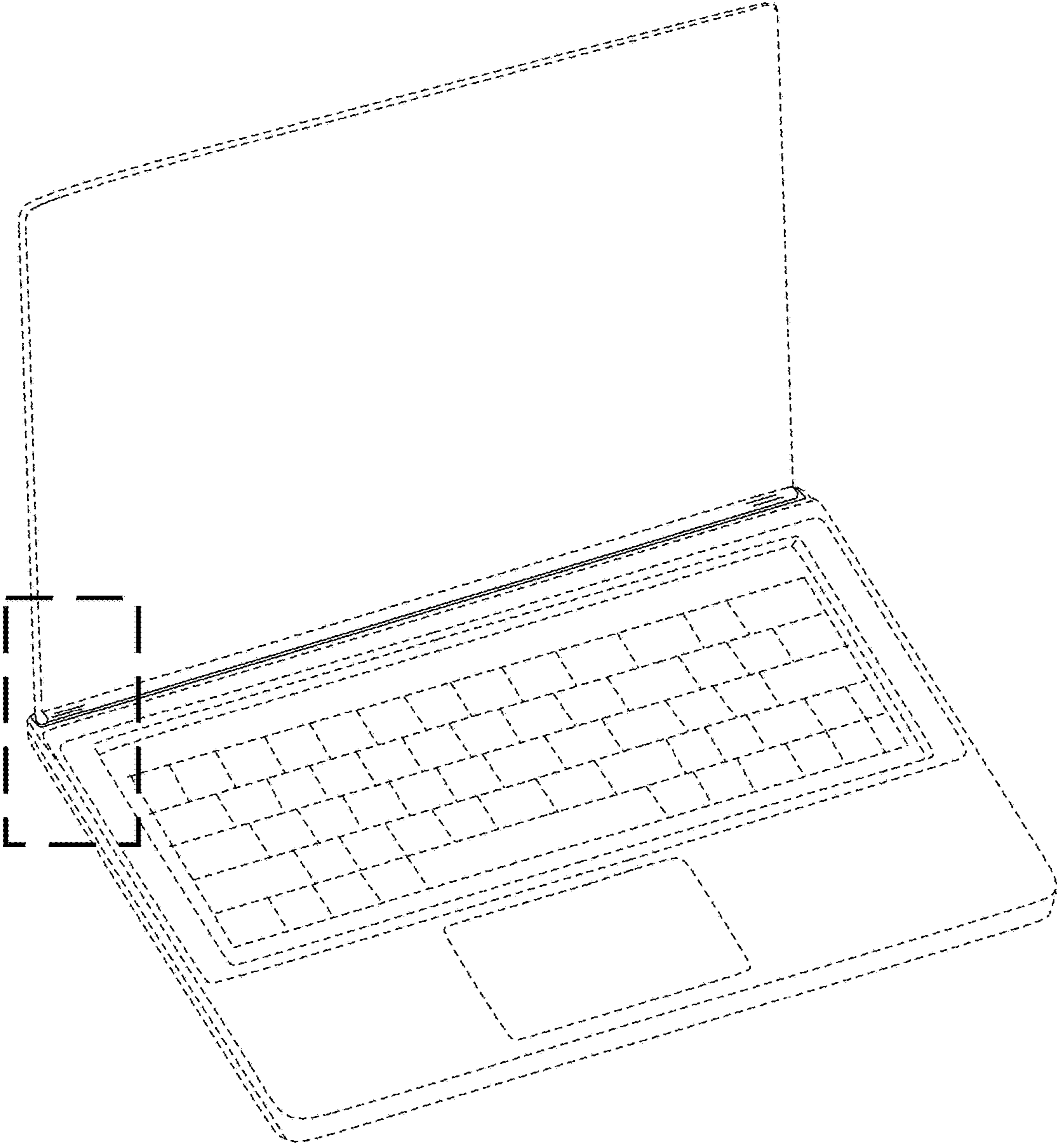


FIG. 7

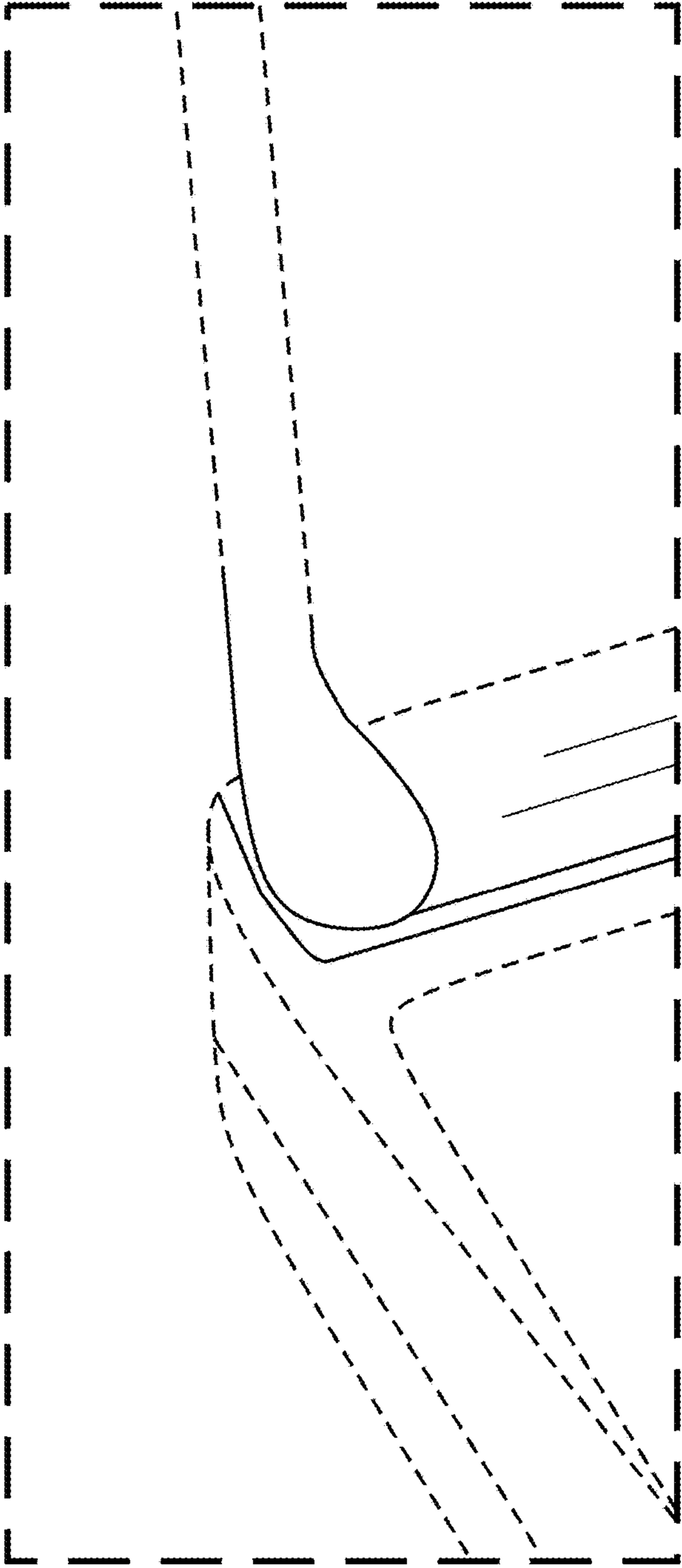


FIG. 8

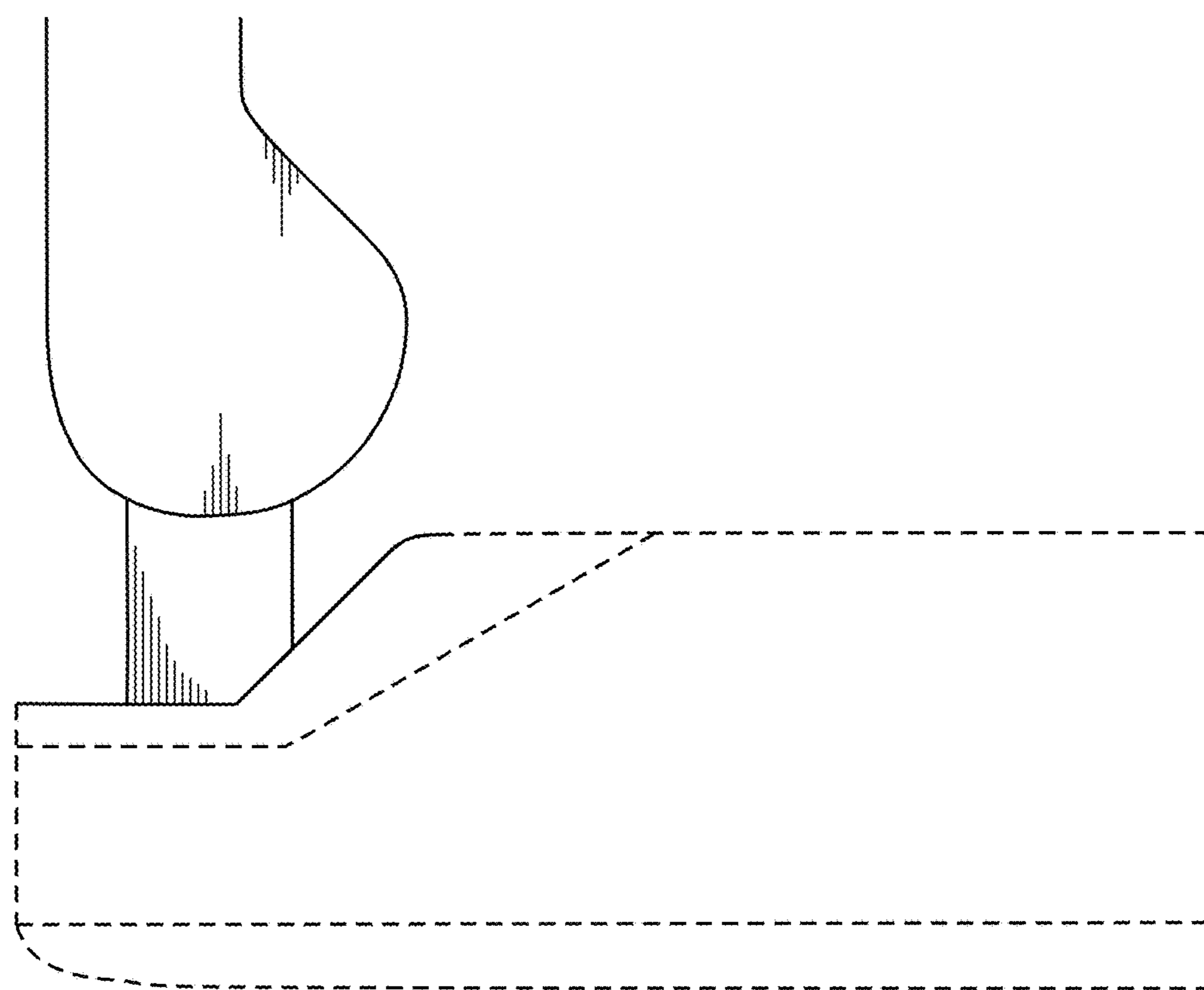


FIG. 9

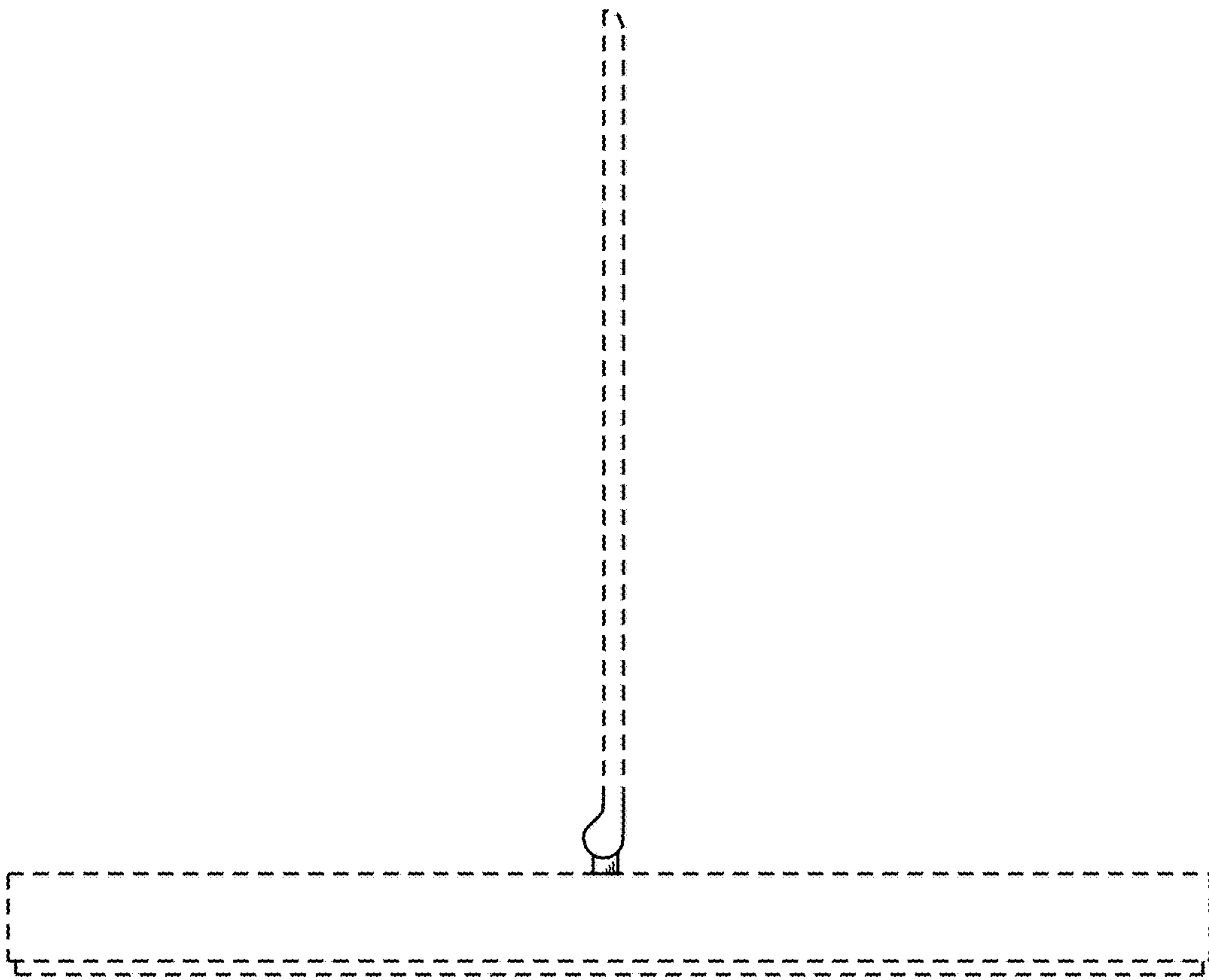


FIG. 10

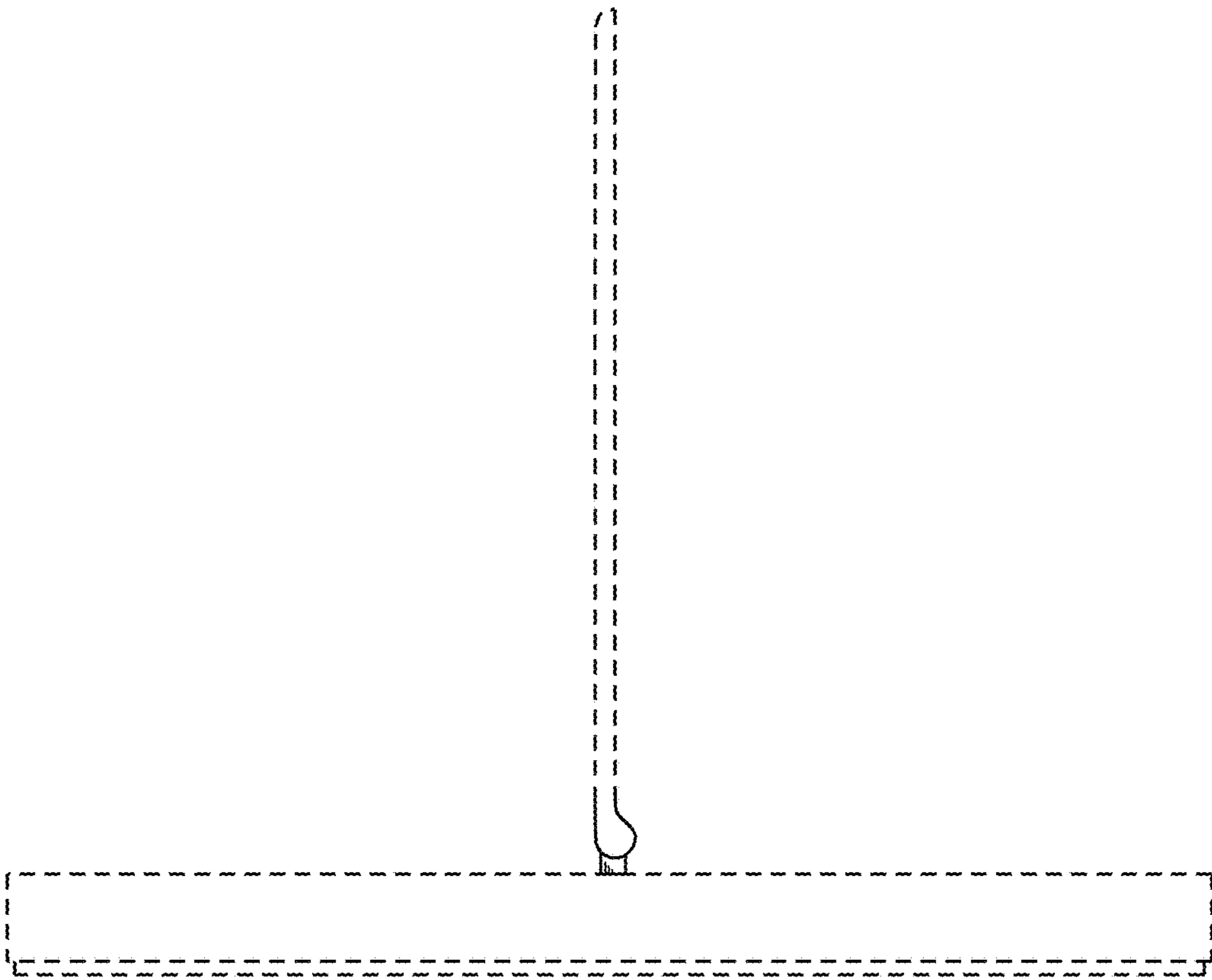
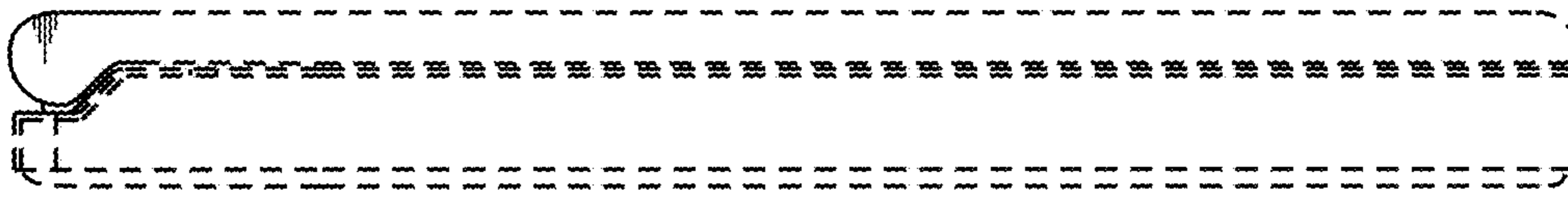


FIG. 11



1200  
FIG. 12