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(12) **United States Design Patent** (10) **Patent No.:** **US D969,594 S**  
**Bromenshenkel et al.** (45) **Date of Patent:** **\*\* Nov. 15, 2022**

(54) **VERTICAL SUPPORT STRUCTURE**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Caterpillar Inc.**, Peoria, IL (US)

CA 194948 \* 2/2022  
EP 3495201 A1 6/2019

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(73) Assignee: **Caterpillar Inc.**, Peoria, IL (US)

18 in.x24 in. Bolted Formed Steel Mounting Bracket, Date Visited: Mar. 9, 2022, Tractor Supply Co, Date Available: Mar. 9, 2022, <https://www.tractorsupply.com/tsc/product/buyers-products-18-in-x-24-in-bolted-black-formed-steel-mounting-brackets> (Year: 2022).\*

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/710,771**

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(22) Filed: **Oct. 25, 2019**

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(51) **LOC (13) Cl.** ..... **08-11**

(52) **U.S. Cl.**  
USPC ..... **D8/376**

(57) **CLAIM**

(58) **Field of Classification Search**  
USPC .... D8/16–17, 19, 315, 354, 363, 37, 47, 71, D8/89, 373, 390, 391, 404, 376–377, 382; D12/15, 190, 195, 400, 406, 223, 414; D21/678, 379, 701, 808, 803; D25/119, D25/122, 123; D6/512, 524, 528, 534, D6/672  
CPC ..... A47H 5/032; A47H 1/02; A47H 1/142; A47H 13/14; A47H 15/02; A47H 15/04; A47H 2001/006; A47H 1/04; A47H 1/122; A47H 1/124; A47H 2001/042  
See application file for complete search history.

The ornamental design for a vertical support structure, as shown and described.

**DESCRIPTION**

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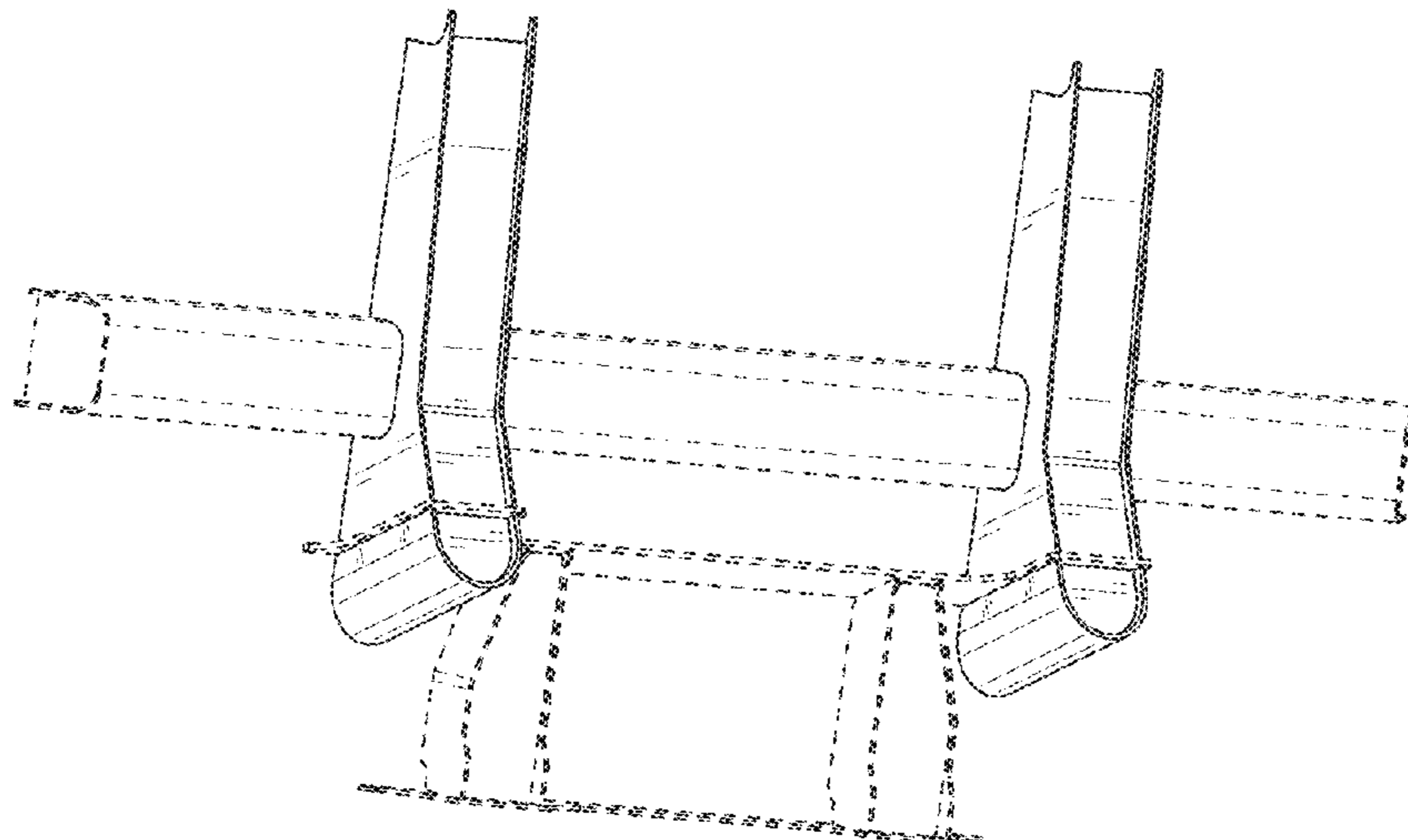
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FIG. 1 is a front perspective view of a vertical support structure according to our design;  
FIG. 2 is another front perspective view thereof;  
FIG. 3 is a rear perspective view thereof;  
FIG. 4 is another rear perspective view thereof;  
FIG. 5 is a front elevational view thereof;  
FIG. 6 is a rear elevational view thereof;  
FIG. 7 is a top plan view thereof;  
FIG. 8 is a bottom plan view thereof;  
FIG. 9 is a left side elevational view thereof;  
FIG. 10 is a right side elevational view thereof; and,  
FIG. 11 is a front perspective view thereof in the context of a dump body.  
The broken lines depict portions of the vertical support structure that form no part of the claimed design. Additional broken lines in FIG. 11 depict environmental subject matter that forms no part of the claimed design.

(Continued)

**1 Claim, 10 Drawing Sheets**



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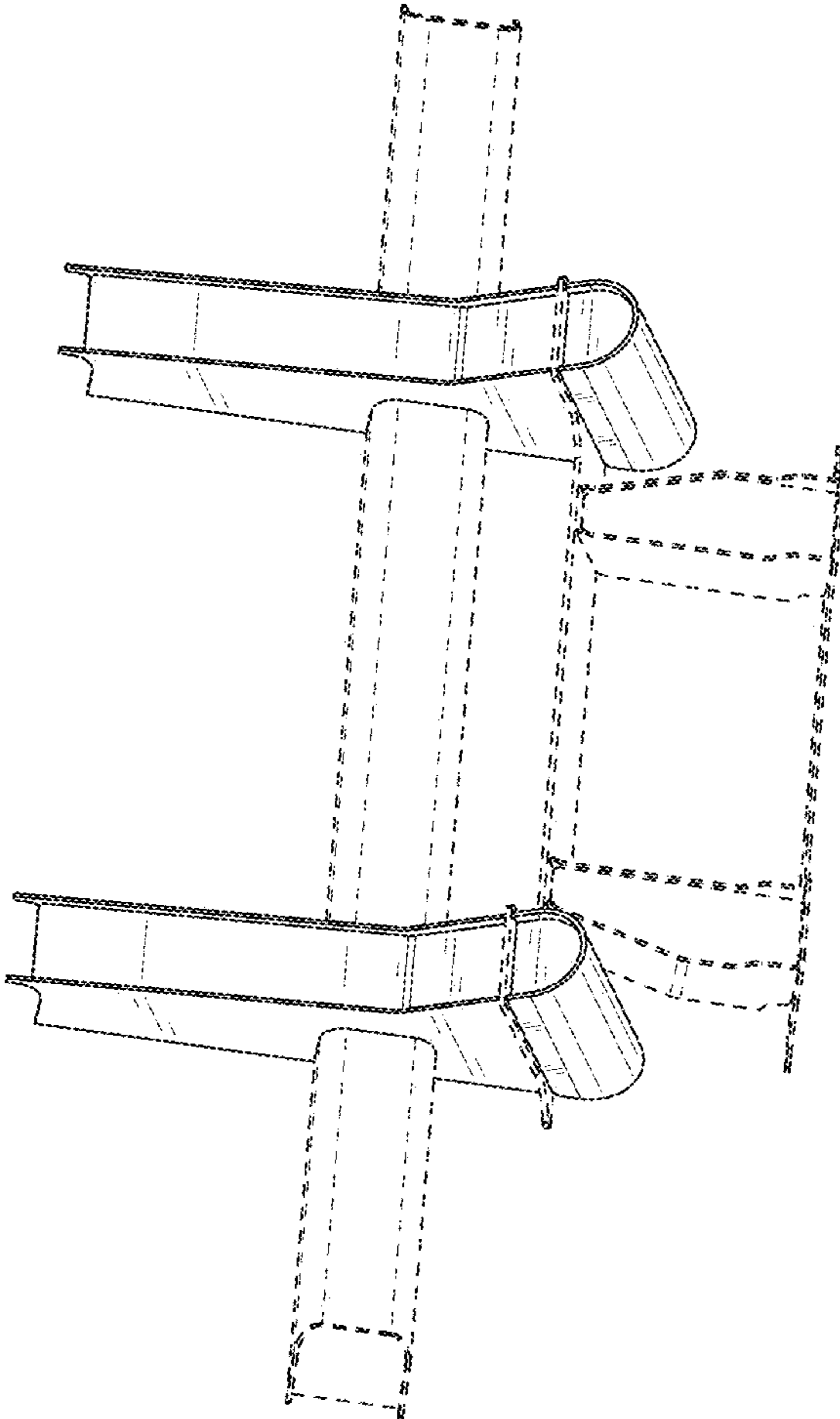


FIG. 1

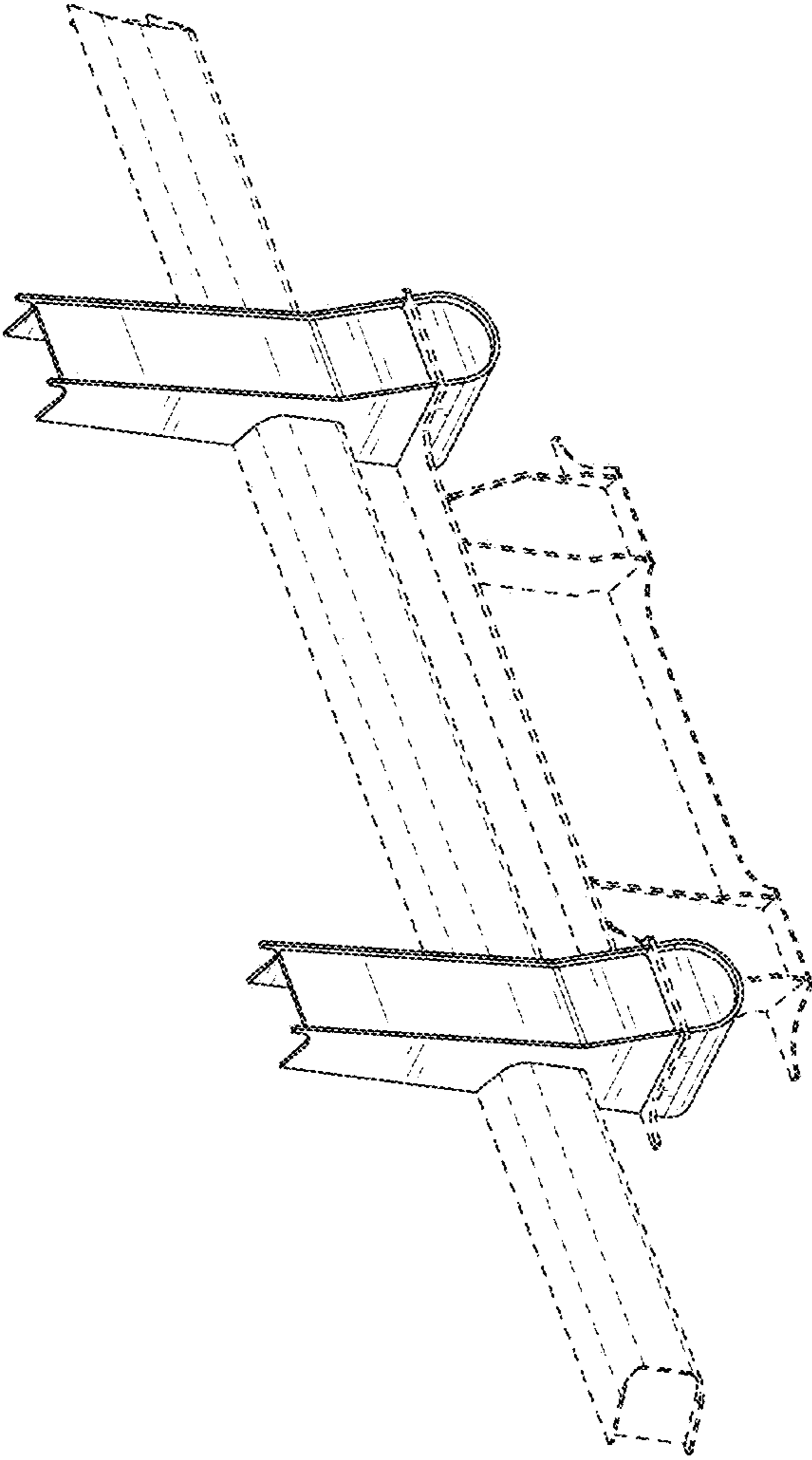


FIG. 2

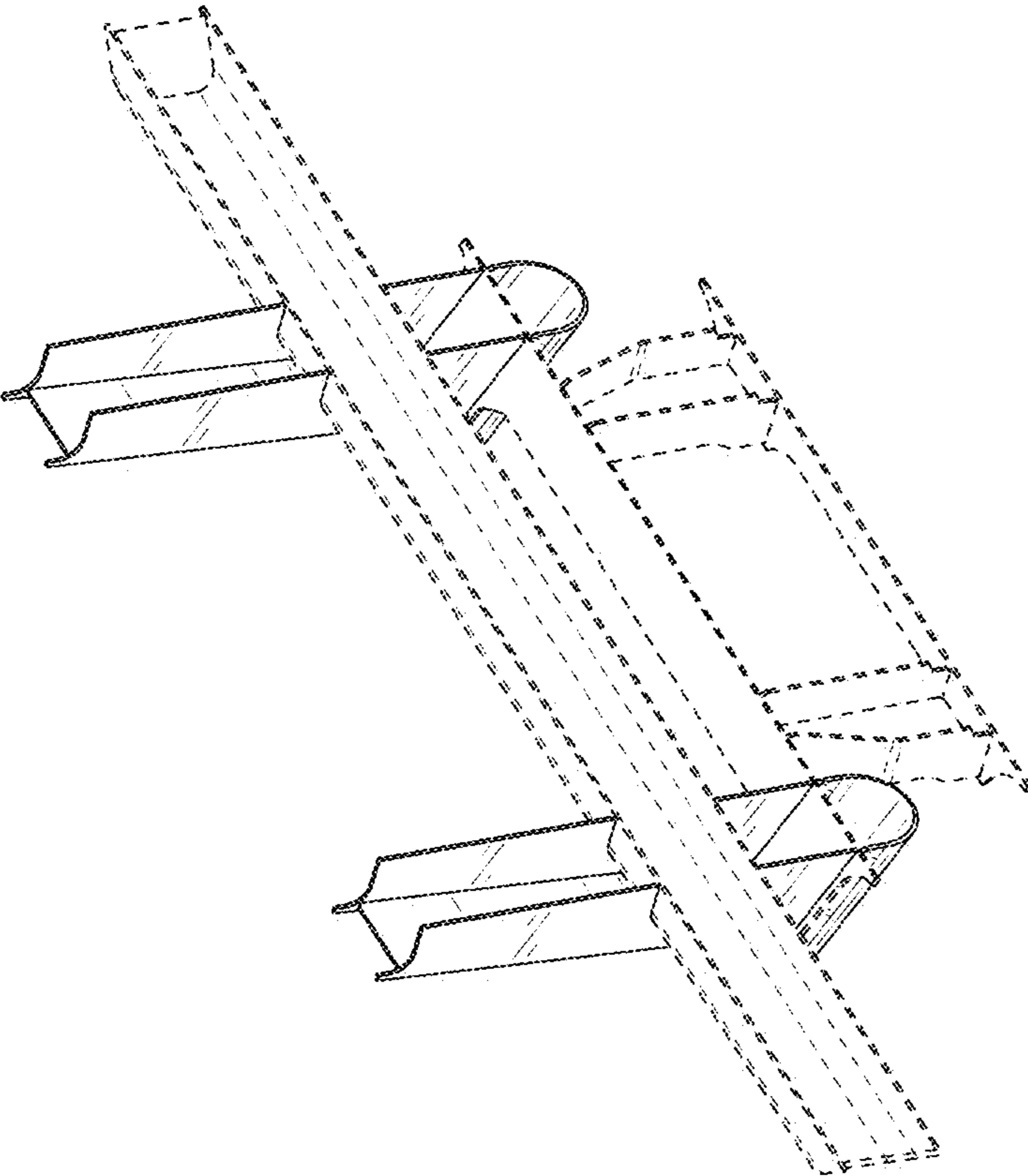


FIG. 3

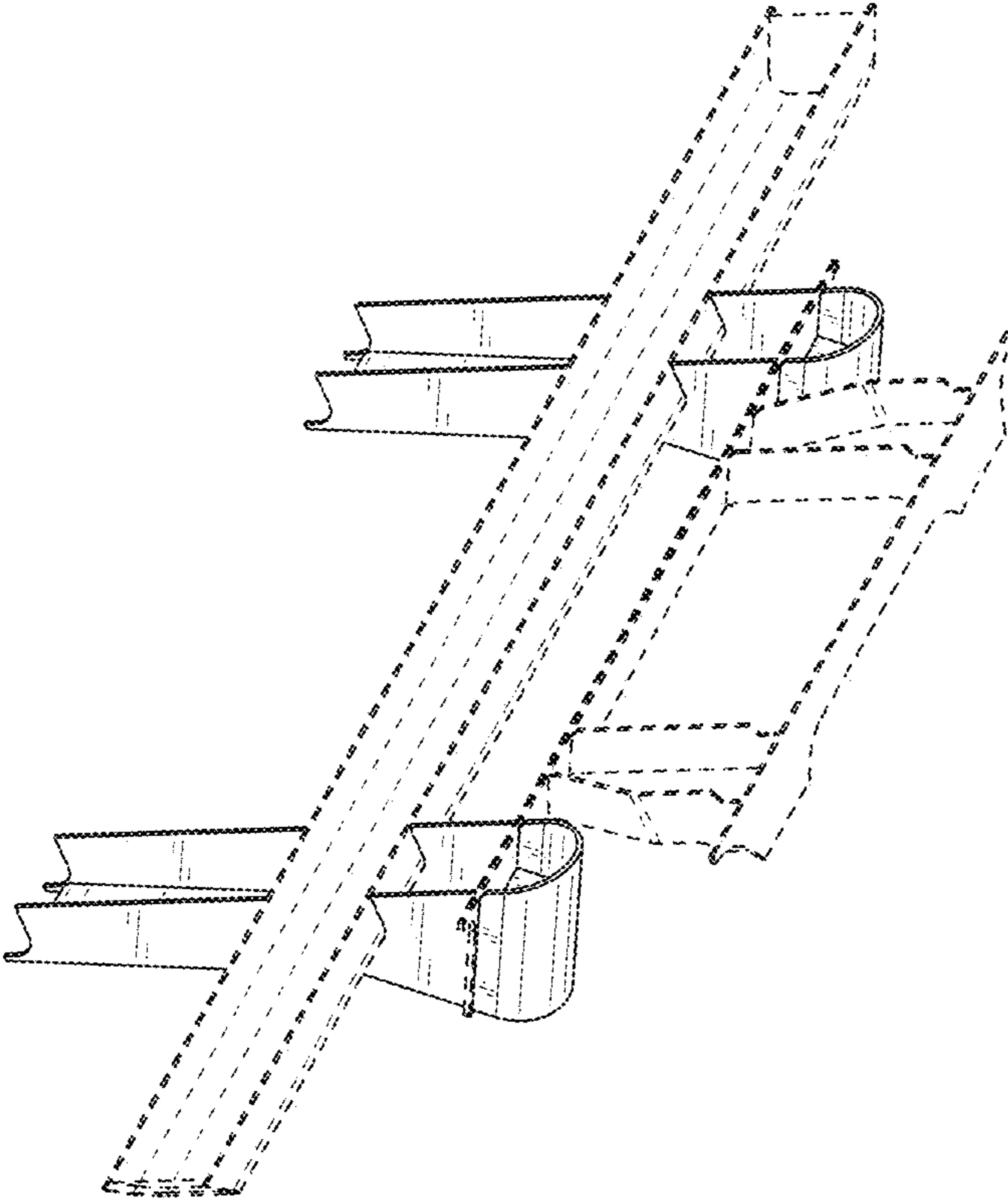


FIG. 4

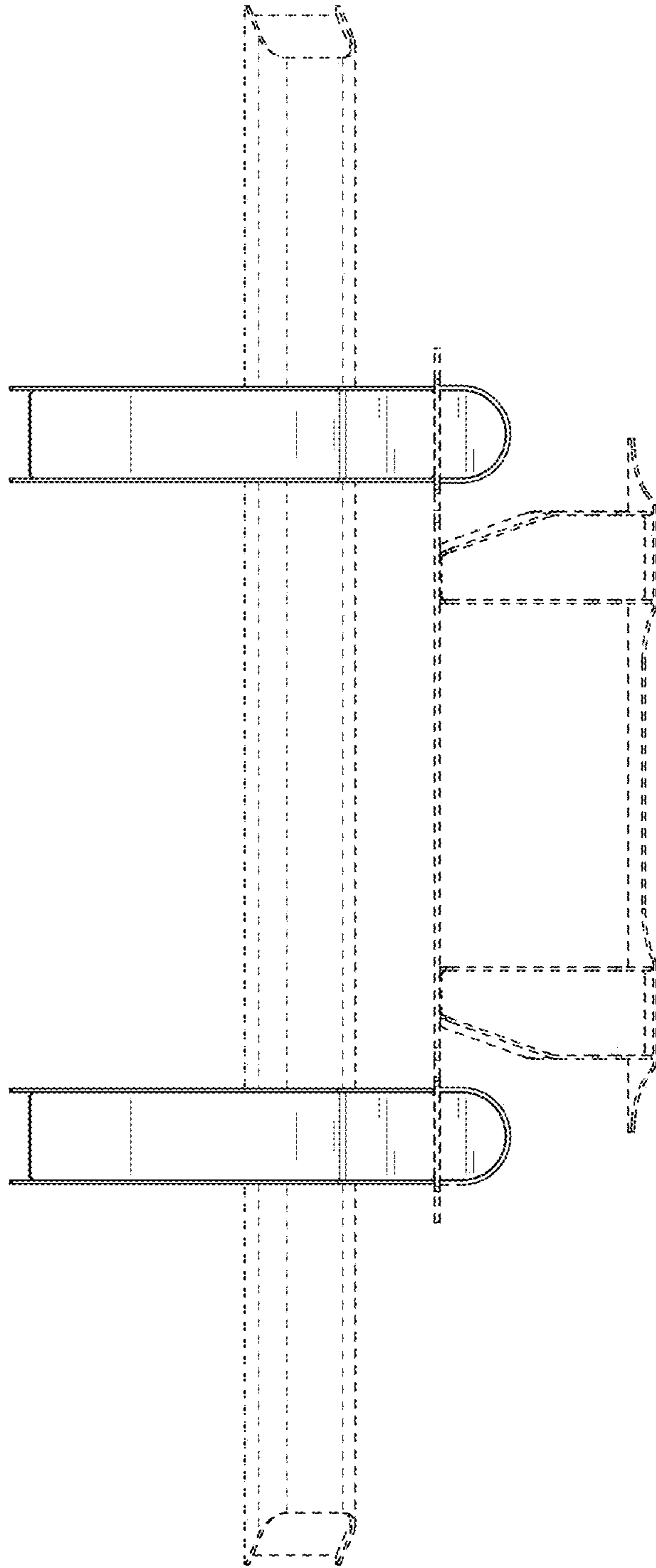


FIG. 5

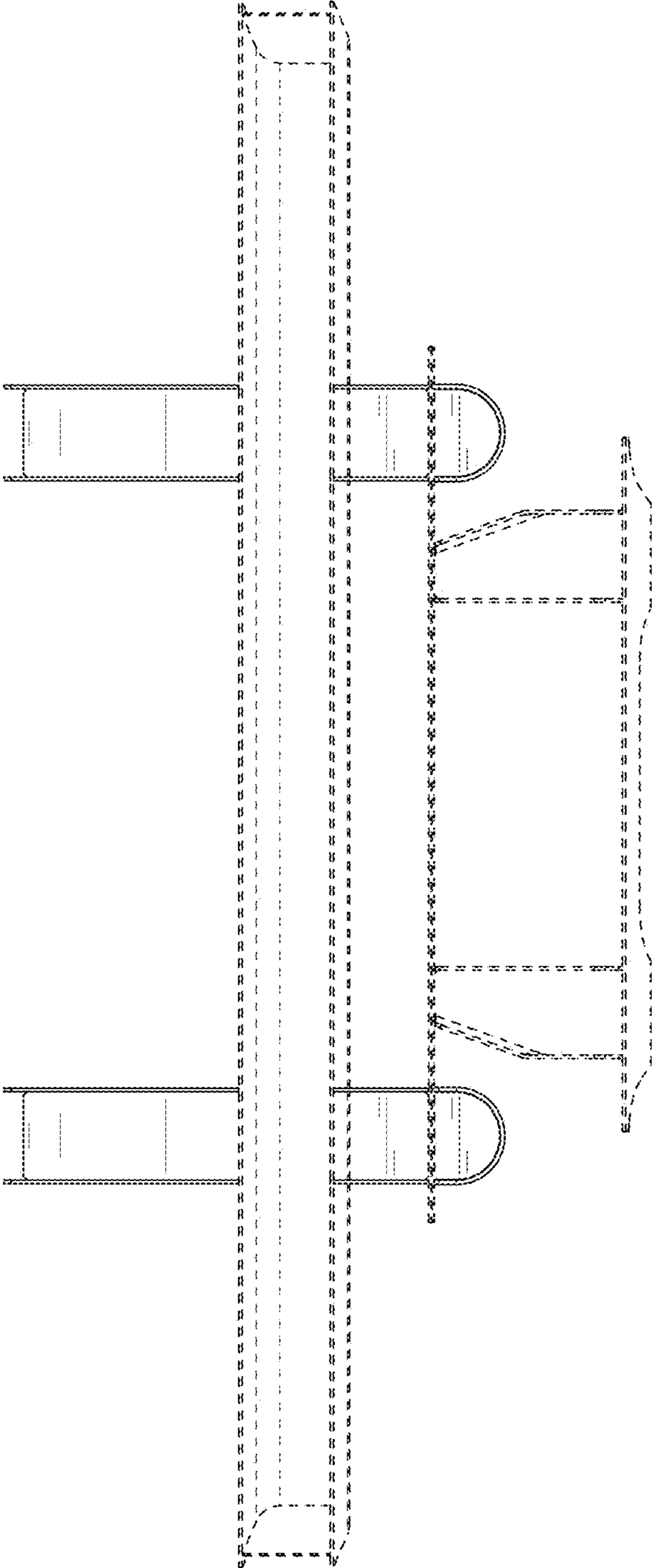


FIG. 6



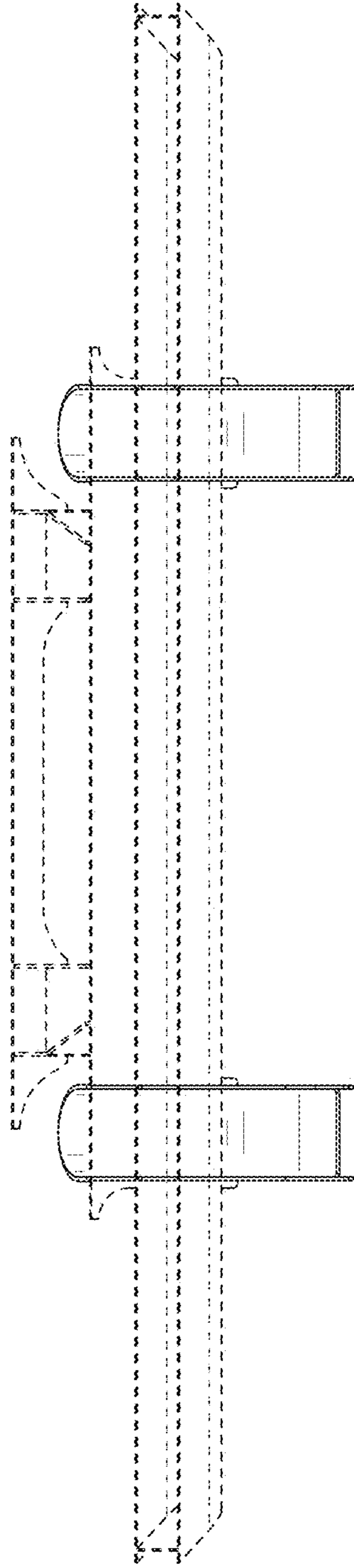


FIG. 7

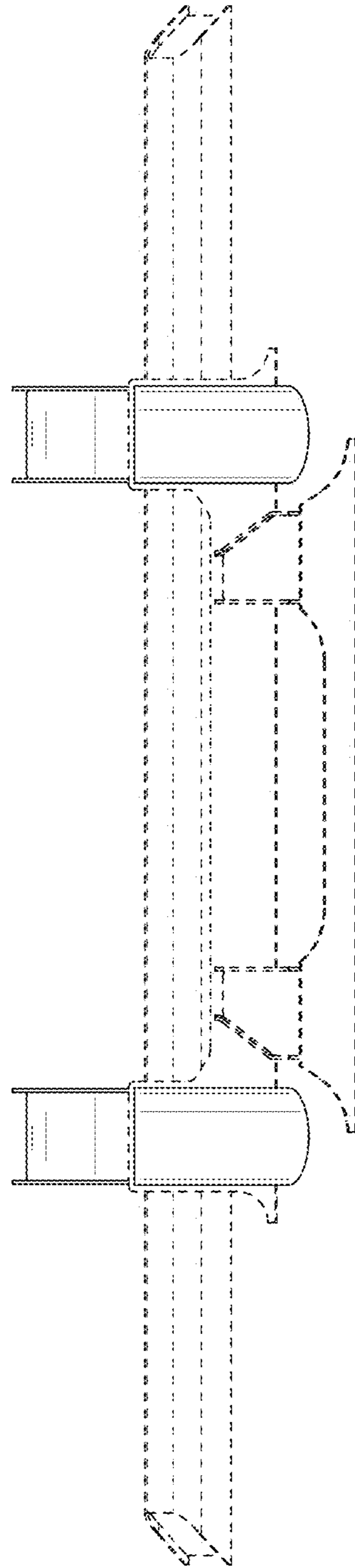


FIG. 8

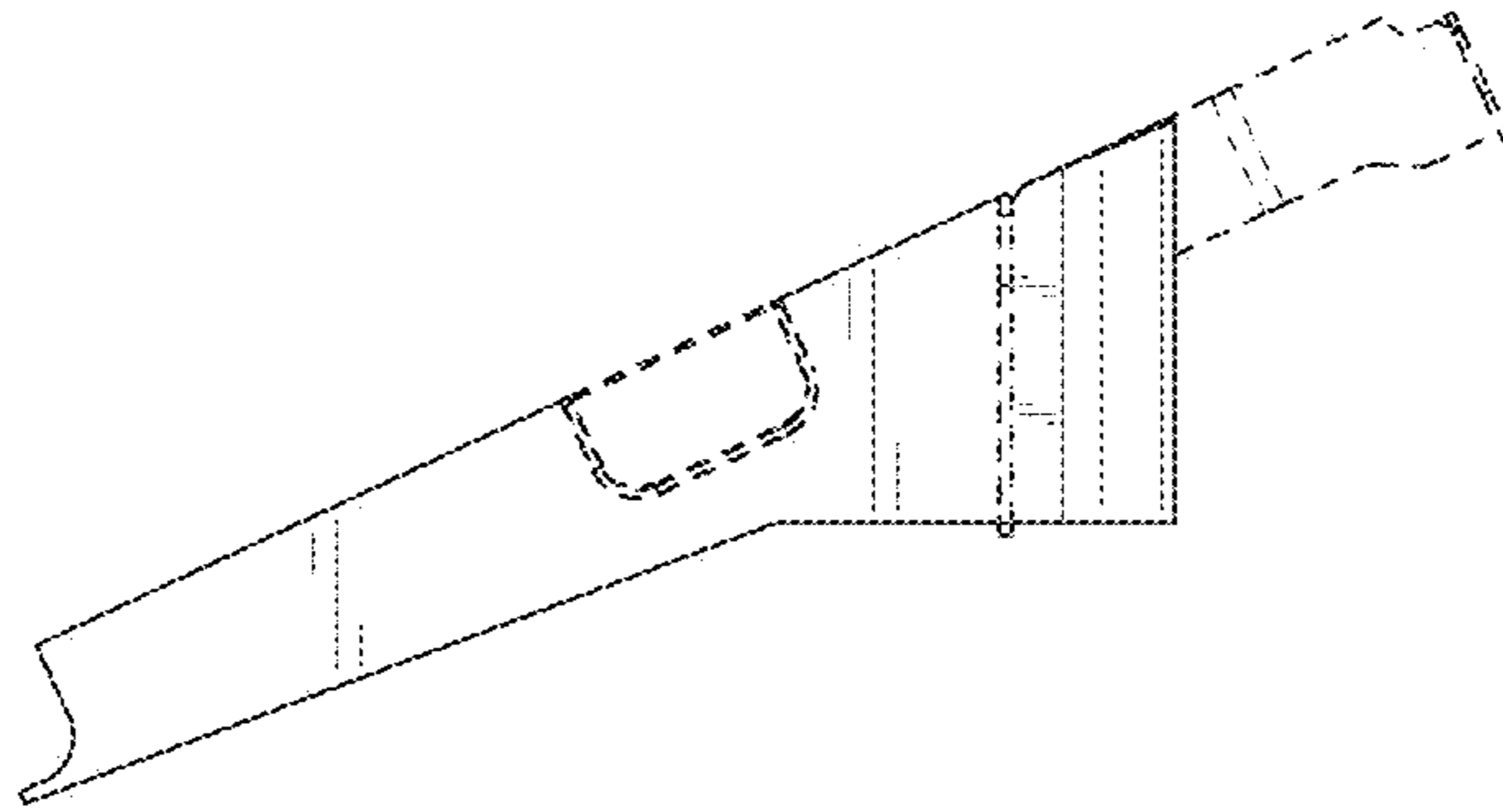


FIG. 10

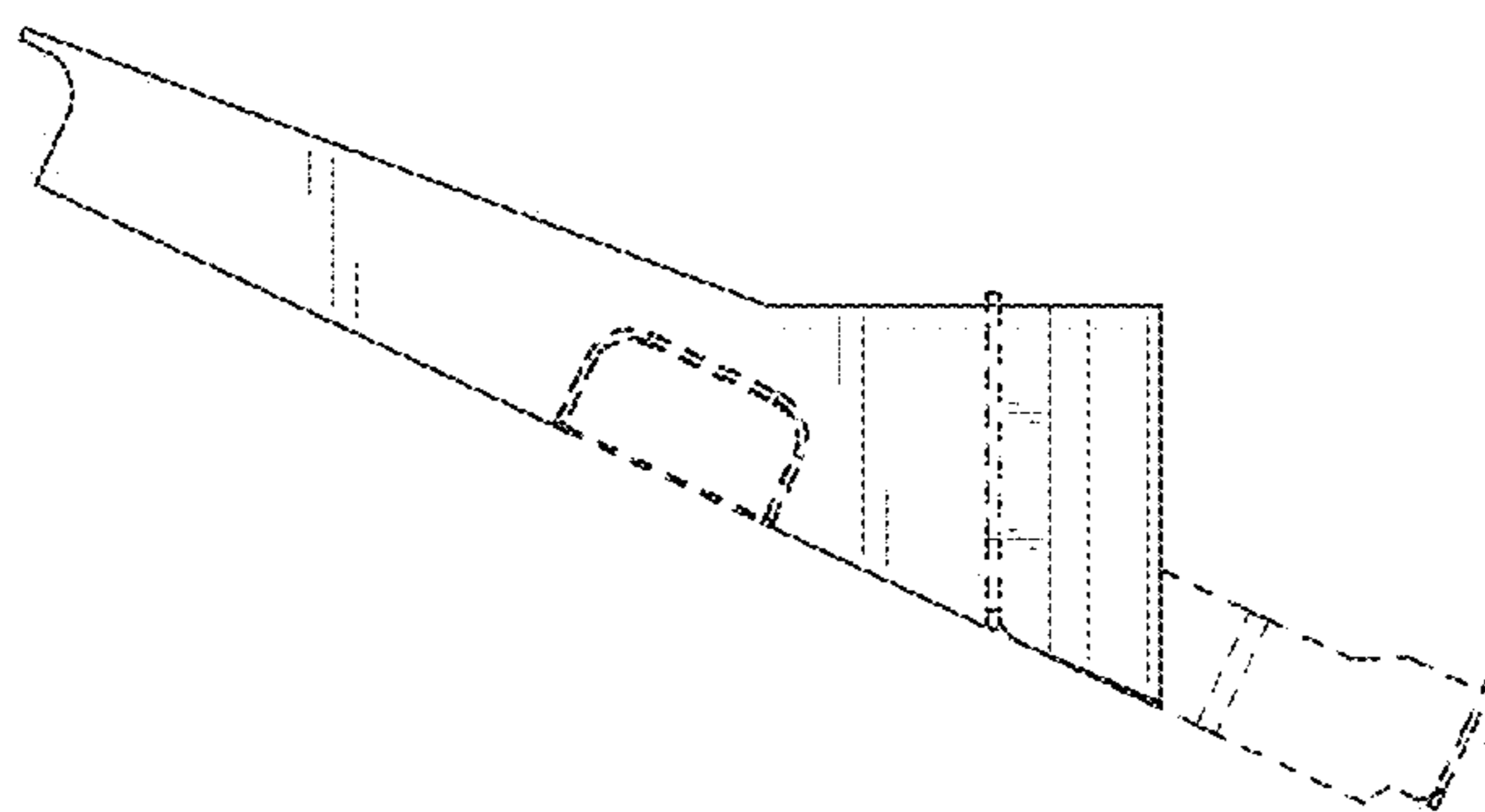


FIG. 9

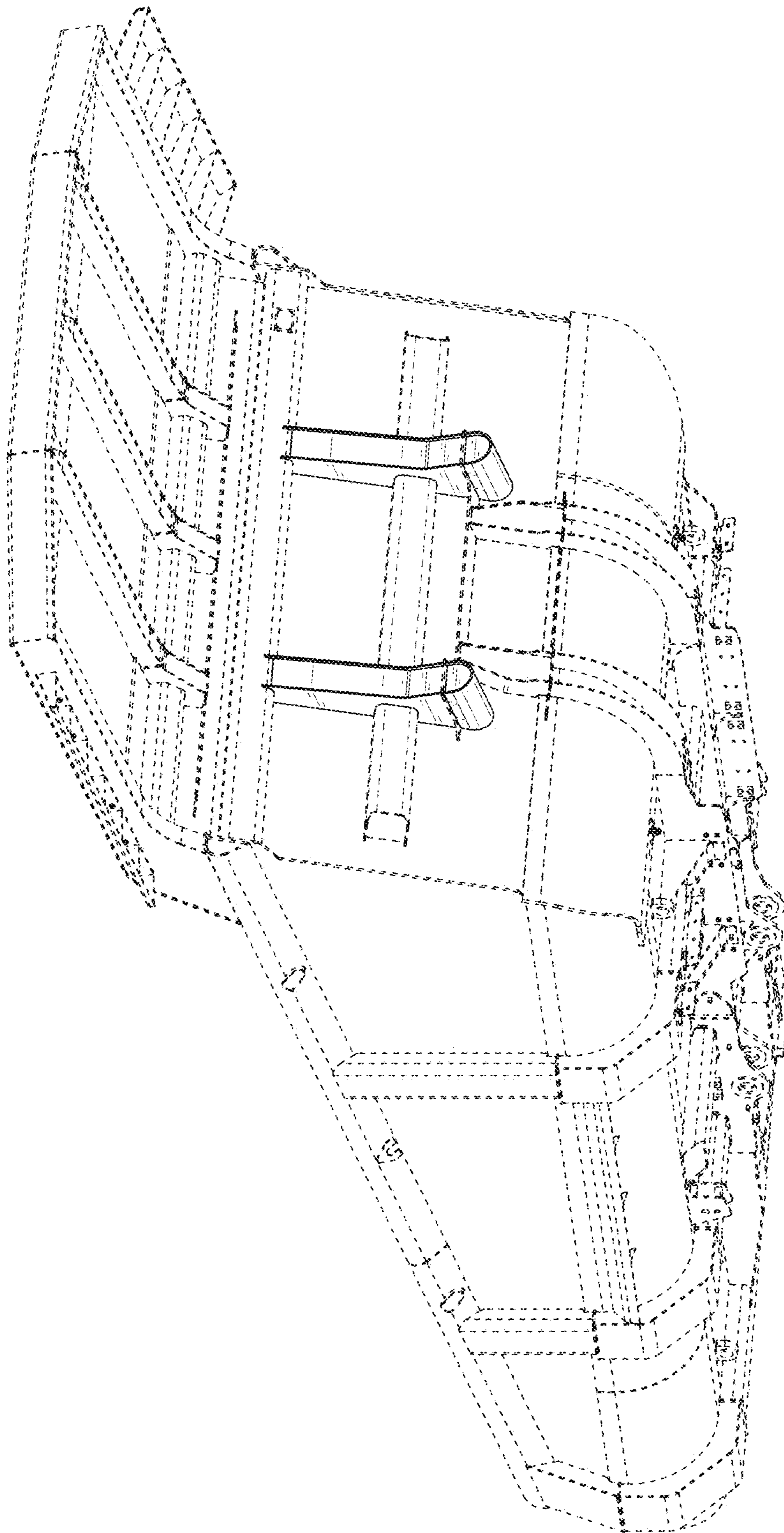


FIG. 11