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(12) **United States Design Patent** (10) **Patent No.:** **US D944,398 S**  
**Campbell** (45) **Date of Patent:** **\*\* Feb. 22, 2022**

(54) **EXPANDED HEART VALVE STENT** 5,489,298 A \* 2/1996 Love ..... A61F 2/2472  
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(71) Applicant: **Edwards Lifesciences Corporation,** 5,496,336 A 3/1996 Cosgrove et al.  
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(72) Inventor: **Louis A. Campbell,** Santa Ana, CA 5,697,382 A 12/1997 Love et al.  
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(\*\*) Term: **15 Years**

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**Related U.S. Application Data**

(63) Continuation of application No. 16/007,879, filed on Jun. 13, 2018, now Pat. No. 10,543,085.

(51) **LOC (13) Cl.** ..... **24-03**

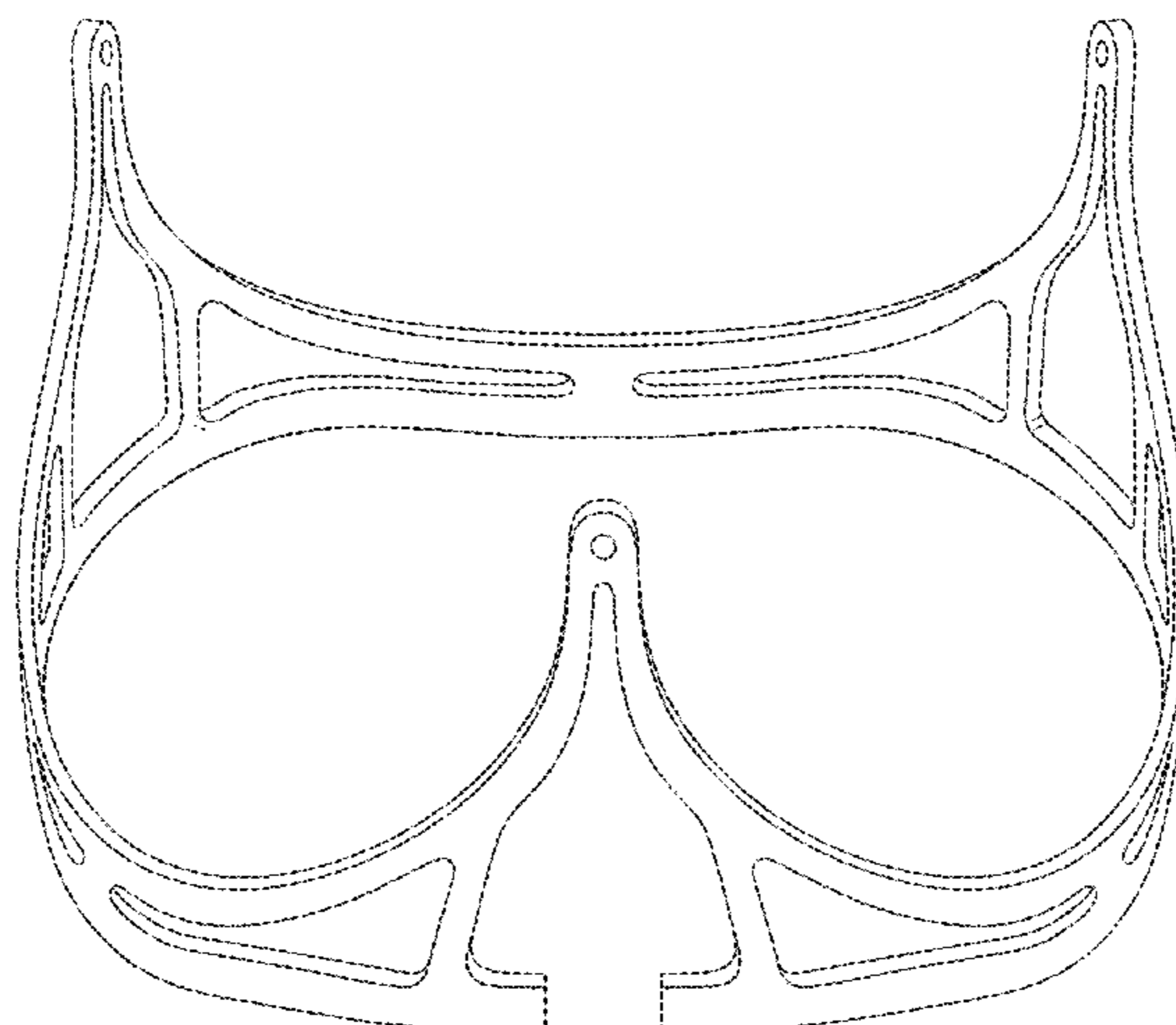
(52) **U.S. Cl.**  
USPC ..... **D24/155**

(58) **Field of Classification Search**  
USPC ..... D24/155  
CPC ..... A61F 2/24  
See application file for complete search history.

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## (57) CLAIM

The ornamental design for an expanded heart-valve stent, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a first embodiment of an expanded heart-valve stent of the present application;  
FIG. 2 is a front elevational view of the first embodiment of the expanded heart-valve stent;  
FIG. 3 is a rear elevational view of the first embodiment of the expanded heart-valve stent;  
FIG. 4 is a top plan view of the first embodiment of the expanded heart-valve stent;  
FIG. 5 is a bottom plan view of the first embodiment of the expanded heart-valve stent;  
FIG. 6 is a left side elevational view of the first embodiment of the expanded heart-valve stent;  
FIG. 7 is a right side elevational view of the first embodiment of the expanded heart-valve stent;  
FIG. 8 is a perspective view of a second embodiment of an expanded heart-valve stent of the present application;  
FIG. 9 is a front elevational view of the second embodiment of the expanded heart-valve stent;  
FIG. 10 is a rear elevational view of the second embodiment of the expanded heart-valve stent;  
FIG. 11 is a top plan view of the second embodiment of the expanded heart-valve stent;  
FIG. 12 is a bottom plan view of the second embodiment of the expanded heart-valve stent;  
FIG. 13 is a left side elevational view of the second embodiment of the expanded heart-valve stent;  
FIG. 14 is a right side elevational view of the second embodiment of the expanded heart-valve stent;  
FIG. 15 is a perspective view of a third embodiment of an expanded heart-valve stent of the present application;  
FIG. 16 is a front elevational view of the third embodiment of the expanded heart-valve stent;  
FIG. 17 is a rear elevational view of the third embodiment of the expanded heart-valve stent;  
FIG. 18 is a top plan view of the third embodiment of the expanded heart-valve stent;  
FIG. 19 is a bottom plan view of the third embodiment of the expanded heart-valve stent;  
FIG. 20 is a left side elevational view of the third embodiment of the expanded heart-valve stent;  
FIG. 21 is a right side elevational view of the third embodiment of the expanded heart-valve stent;

FIG. 22 is a perspective view of a fourth embodiment of an expanded heart-valve stent of the present application;  
FIG. 23 is a front elevational view of the fourth embodiment of the expanded heart-valve stent;  
FIG. 24 is a rear elevational view of the fourth embodiment of the expanded heart-valve stent;  
FIG. 25 is a top plan view of the fourth embodiment of the expanded heart-valve stent;  
FIG. 26 is a bottom plan view of the fourth embodiment of the expanded heart-valve stent;  
FIG. 27 is a left side elevational view of the fourth embodiment of the expanded heart-valve stent;  
FIG. 28 is a right side elevational view of the fourth embodiment of the expanded heart-valve stent;  
FIG. 29 is a perspective view of a fifth embodiment of an expanded heart-valve stent of the present application;  
FIG. 30 is a front elevational view of the fifth embodiment of the expanded heart-valve stent;  
FIG. 31 is a rear elevational view of the fifth embodiment of the expanded heart-valve stent;  
FIG. 32 is a top plan view of the fifth embodiment of the expanded heart-valve stent;  
FIG. 33 is a bottom plan view of the fifth embodiment of the expanded heart-valve stent;  
FIG. 34 is a left side elevational view of the fifth embodiment of the expanded heart-valve stent;  
FIG. 35 is a right side elevational view of the fifth embodiment of the expanded heart-valve stent;  
FIG. 36 is a perspective view of a sixth embodiment of an expanded heart-valve stent of the present application;  
FIG. 37 is a front elevational view of the sixth embodiment of the expanded heart-valve stent;  
FIG. 38 is a rear elevational view of the sixth embodiment of the expanded heart-valve stent;  
FIG. 39 is a top plan view of the sixth embodiment of the expanded heart-valve stent;  
FIG. 40 is a bottom plan view of the sixth embodiment of the expanded heart-valve stent;  
FIG. 41 is a left side elevational view of the sixth embodiment of the expanded heart-valve stent; and,  
FIG. 42 is a right side elevational view of the sixth embodiment of the expanded heart-valve stent.

**1 Claim, 12 Drawing Sheets**

Fig. 2

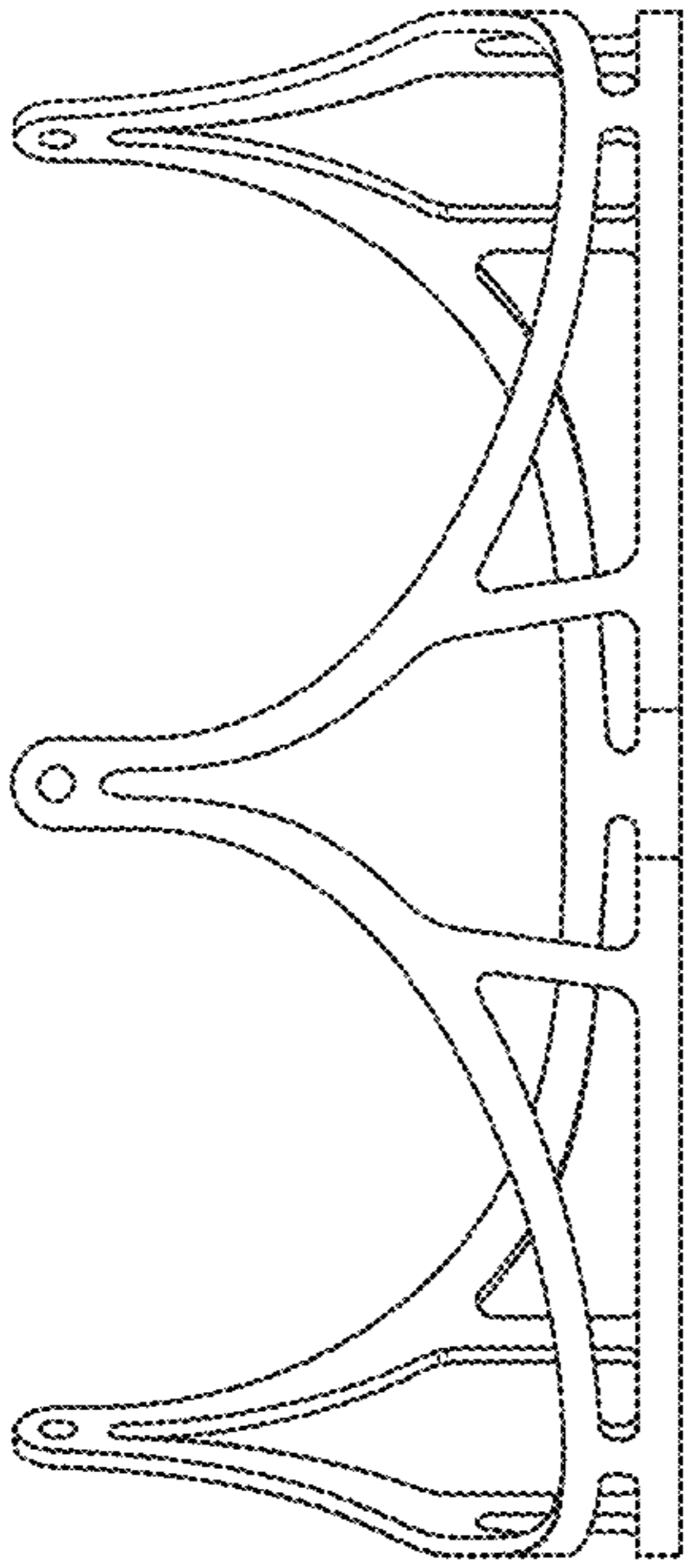


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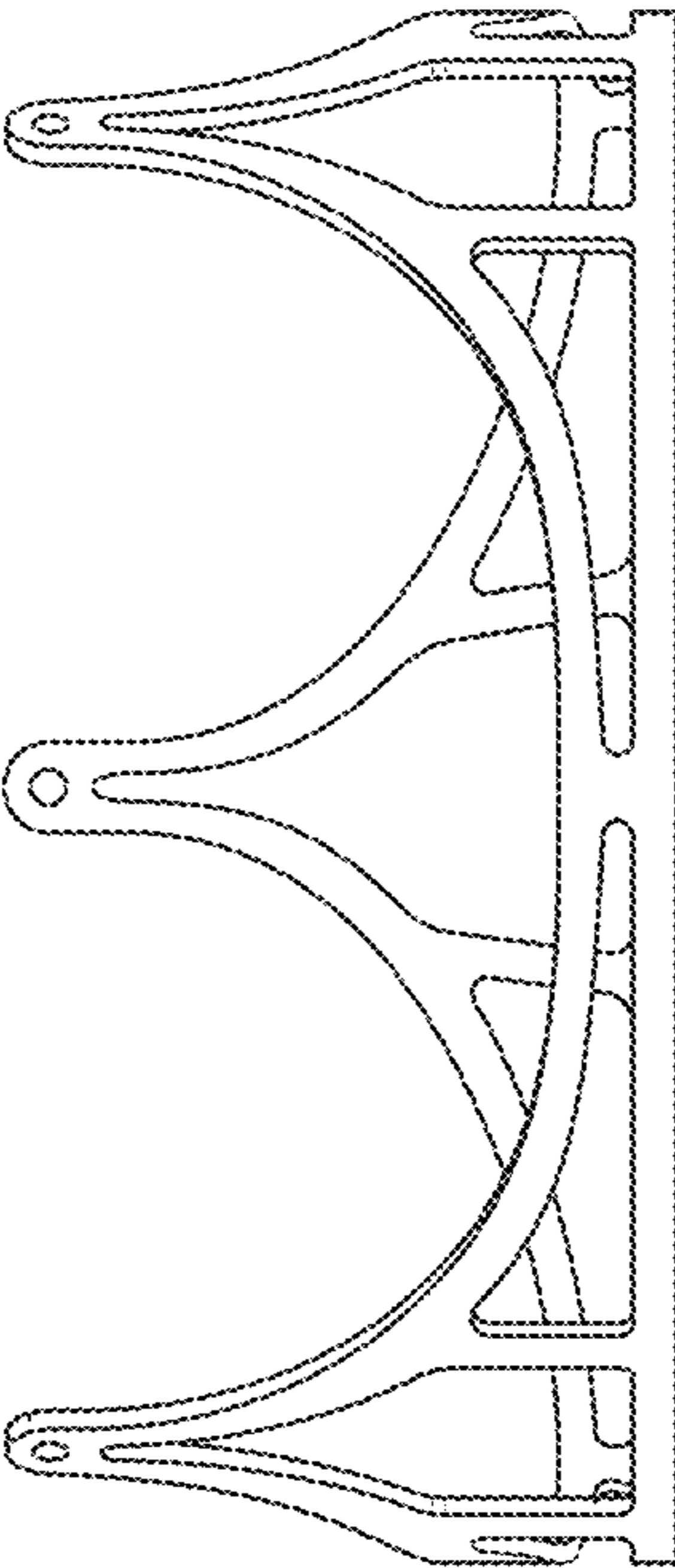


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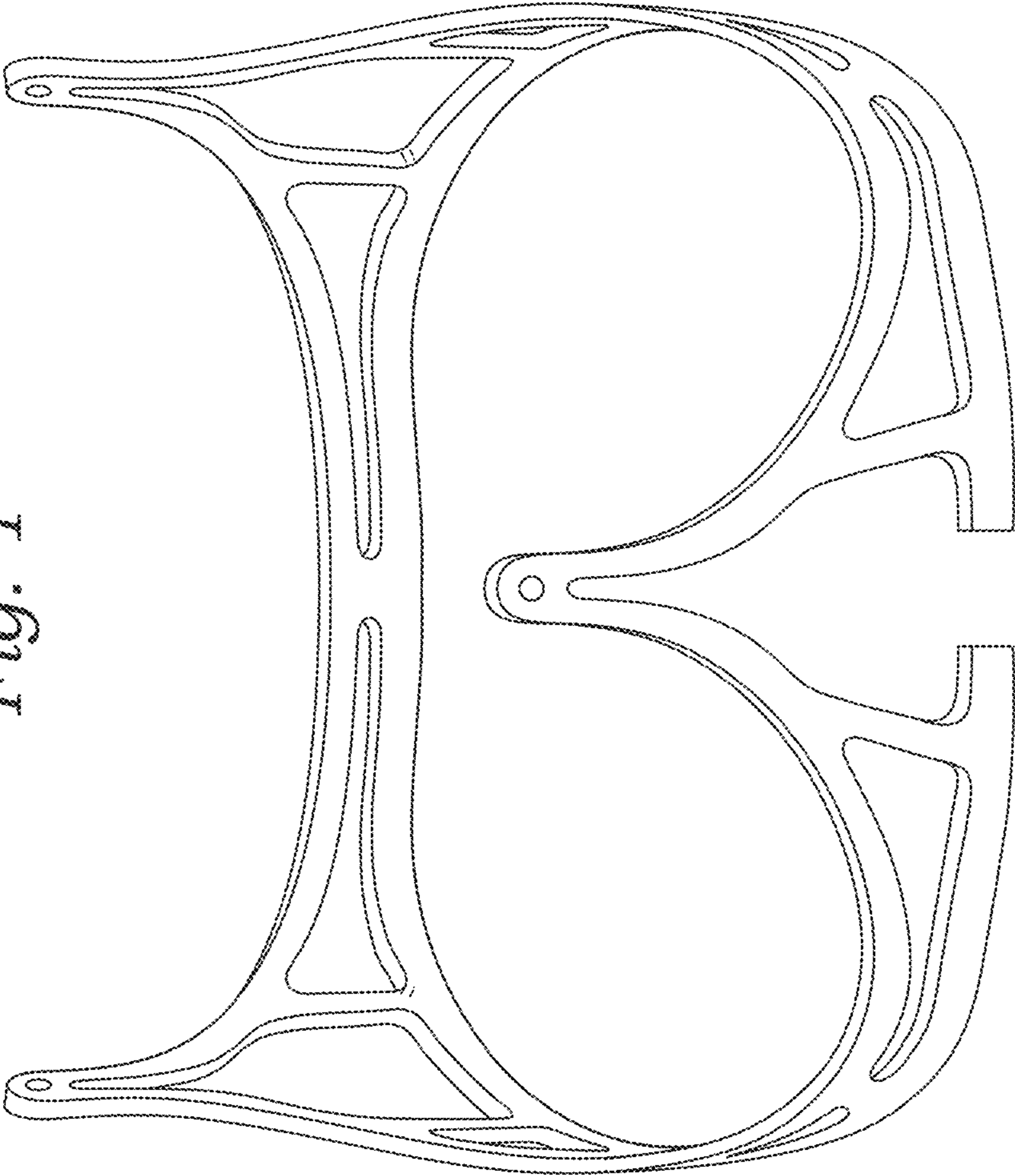


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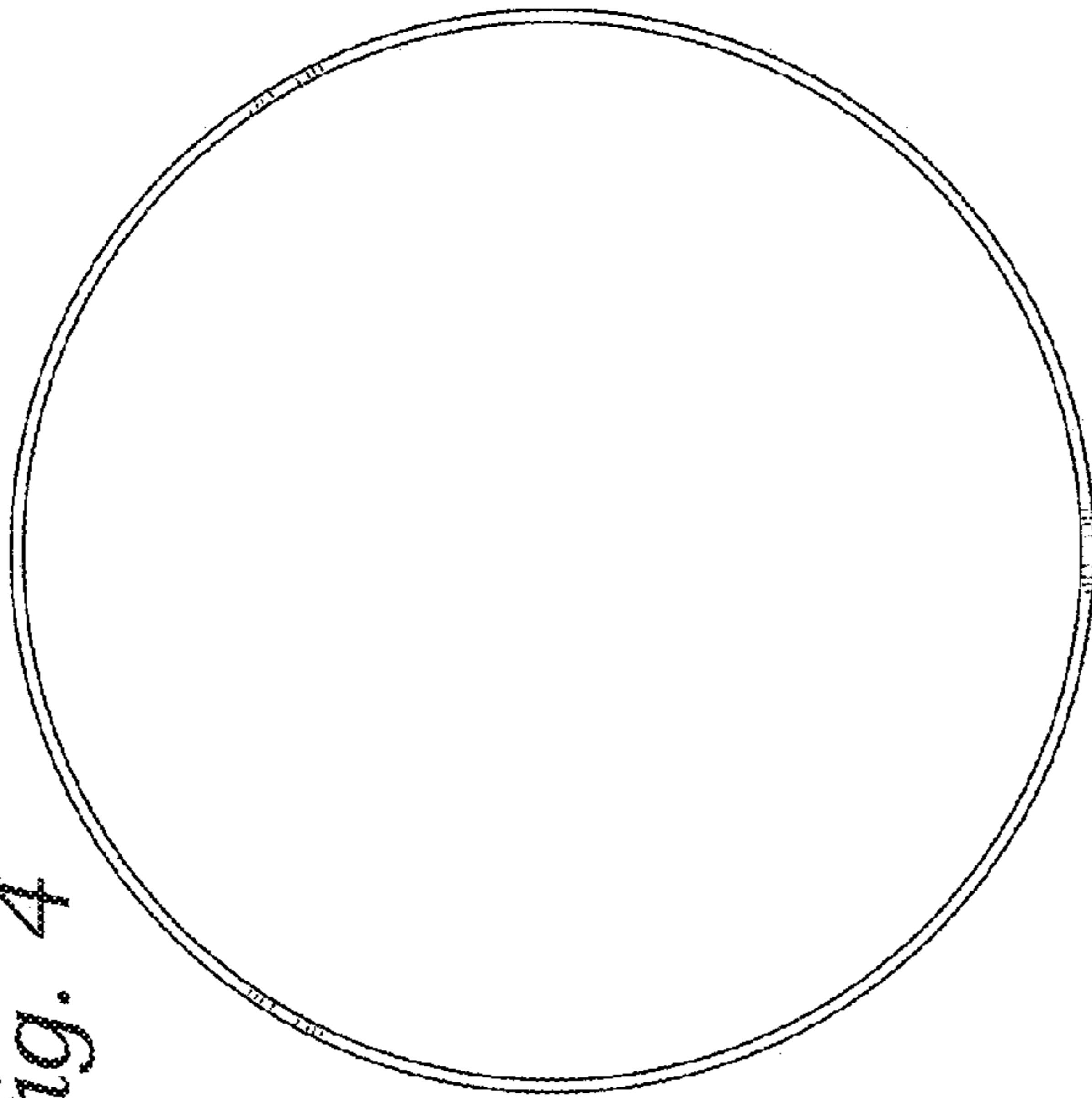


Fig. 5

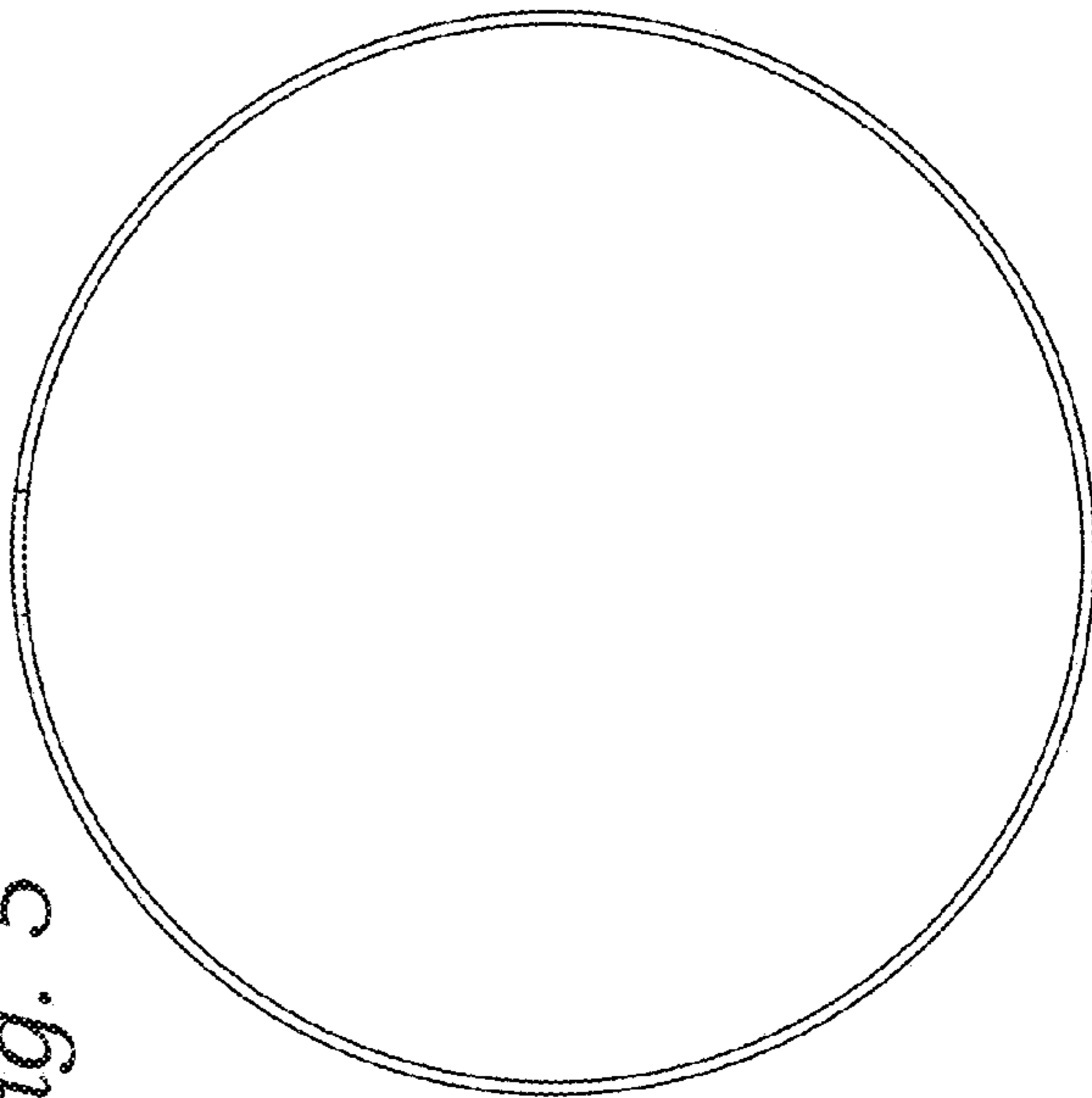


Fig. 6

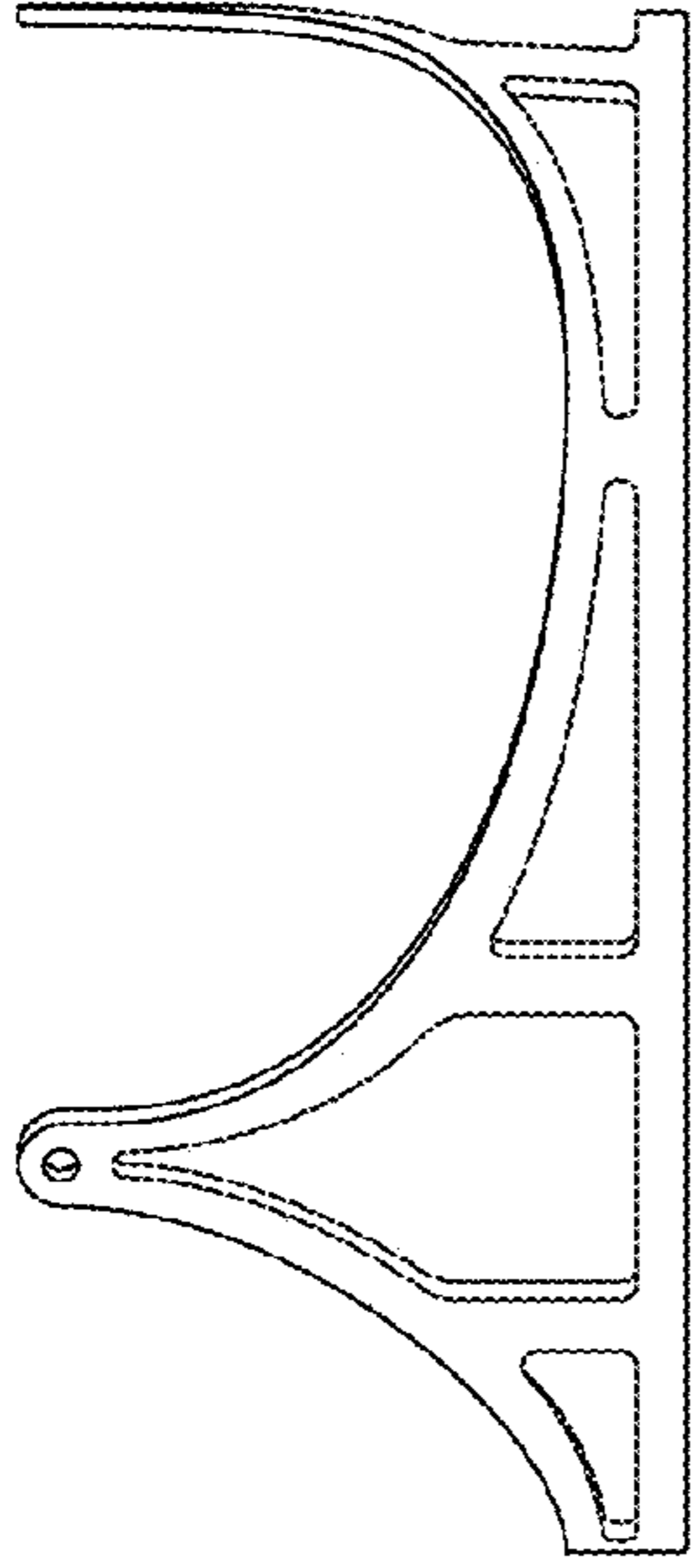


Fig. 7

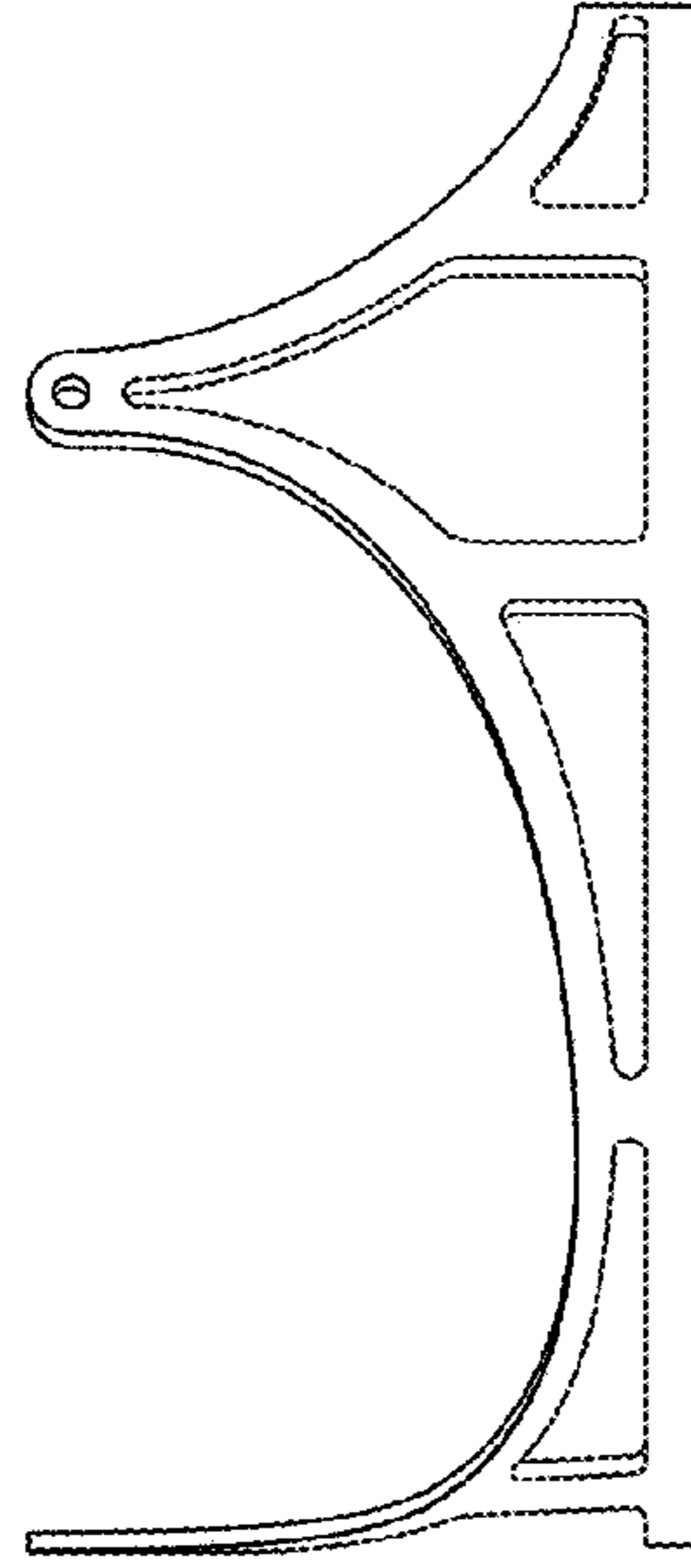


Fig. 9

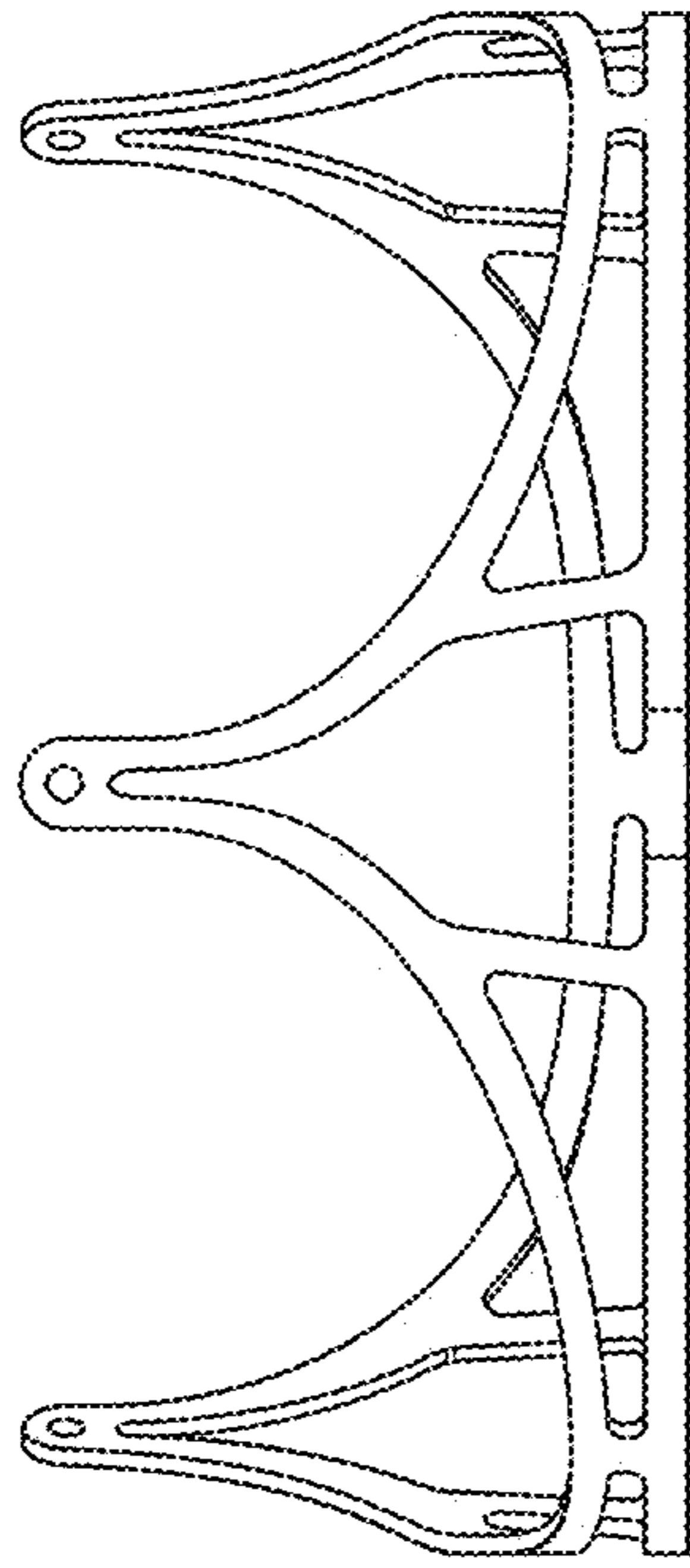


Fig. 10

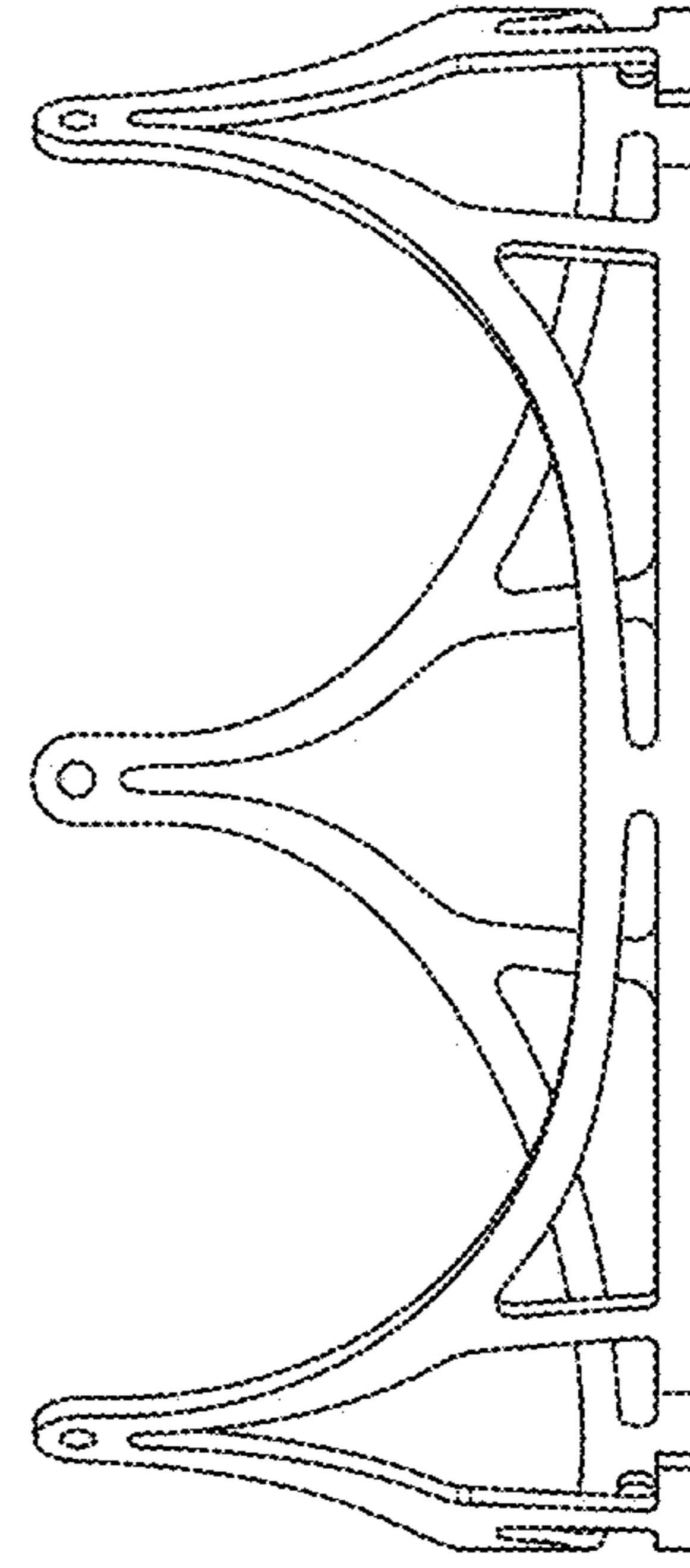
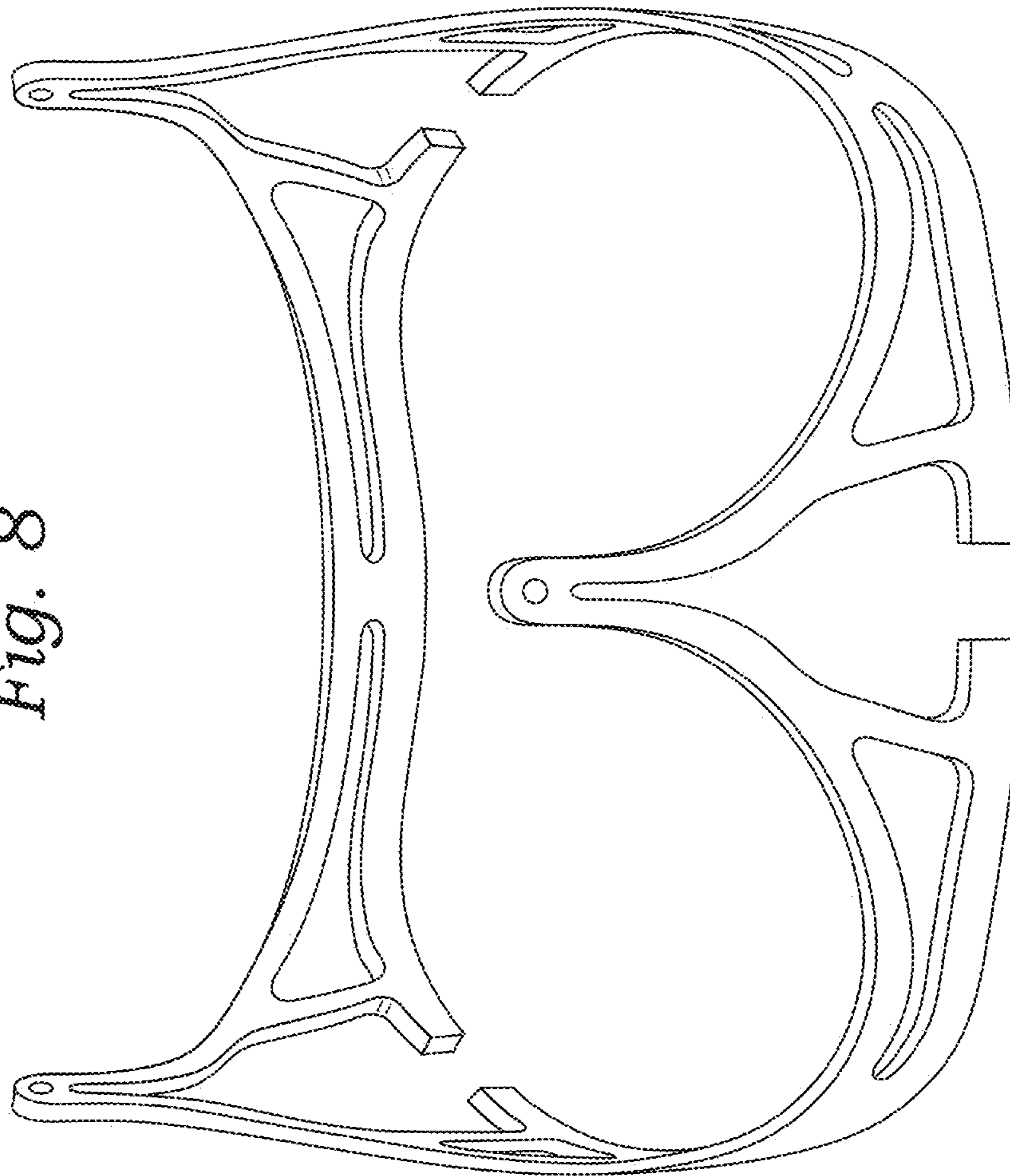


Fig. 8



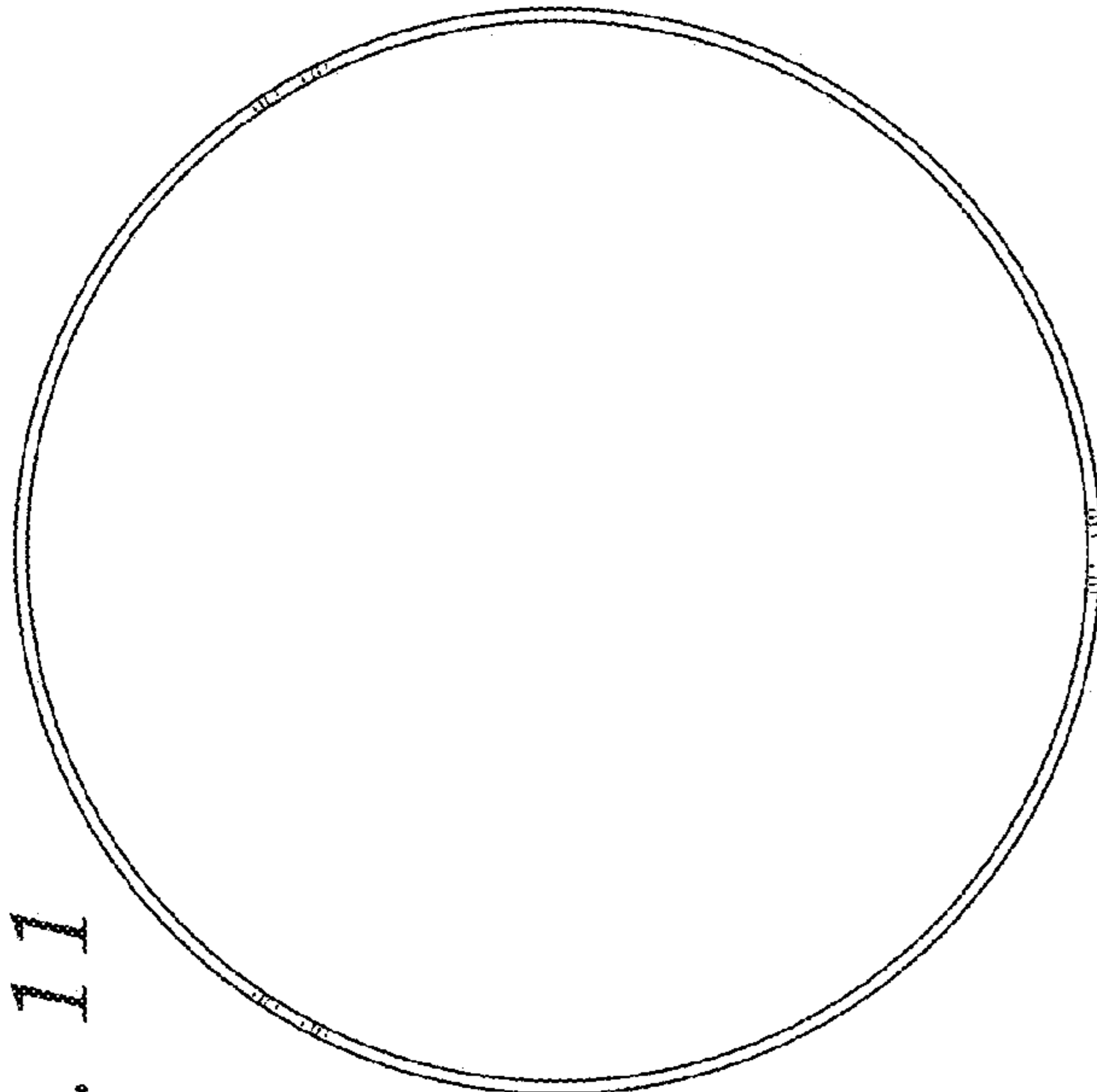


Fig. 11

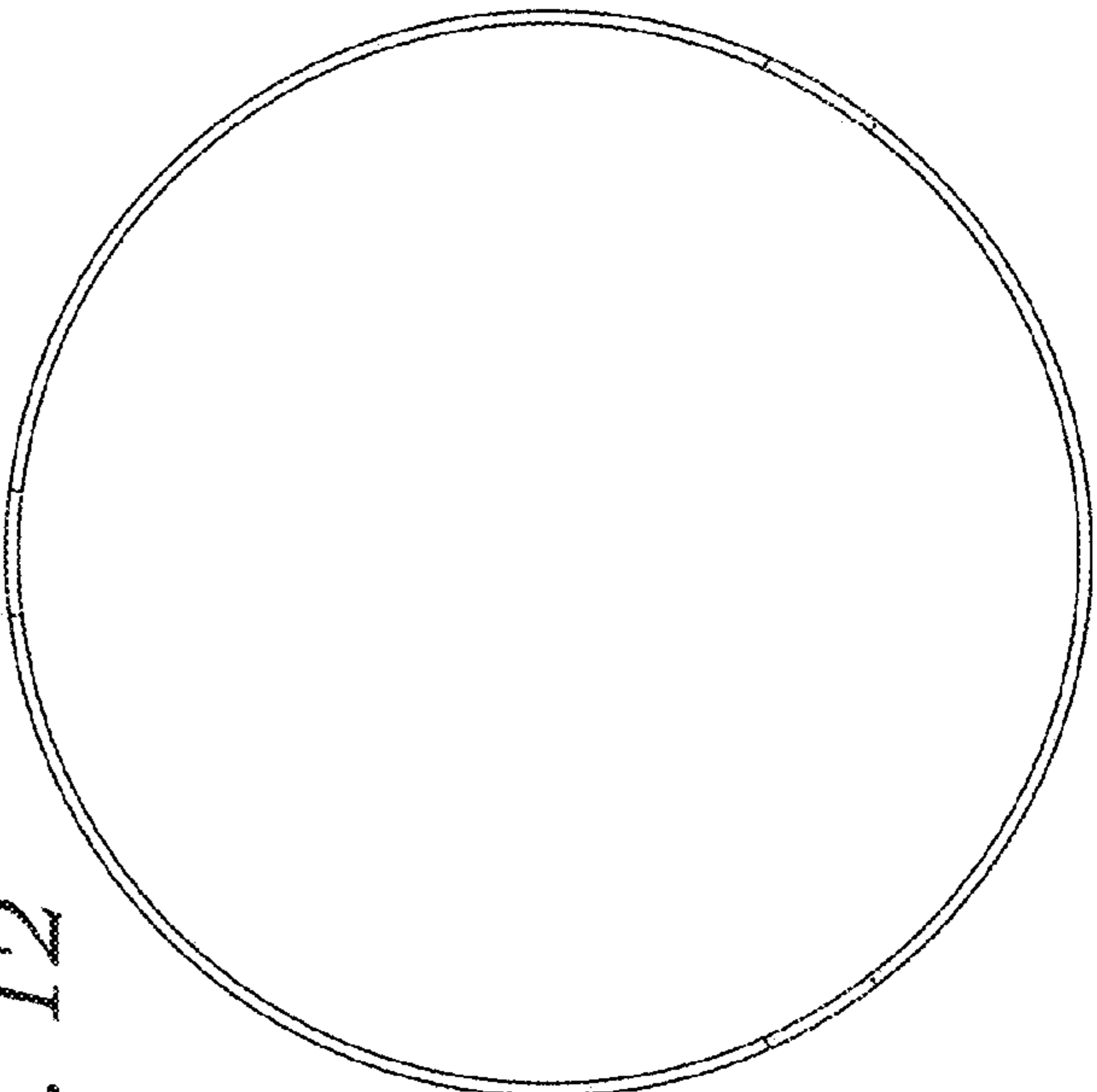


Fig. 12

Fig. 13

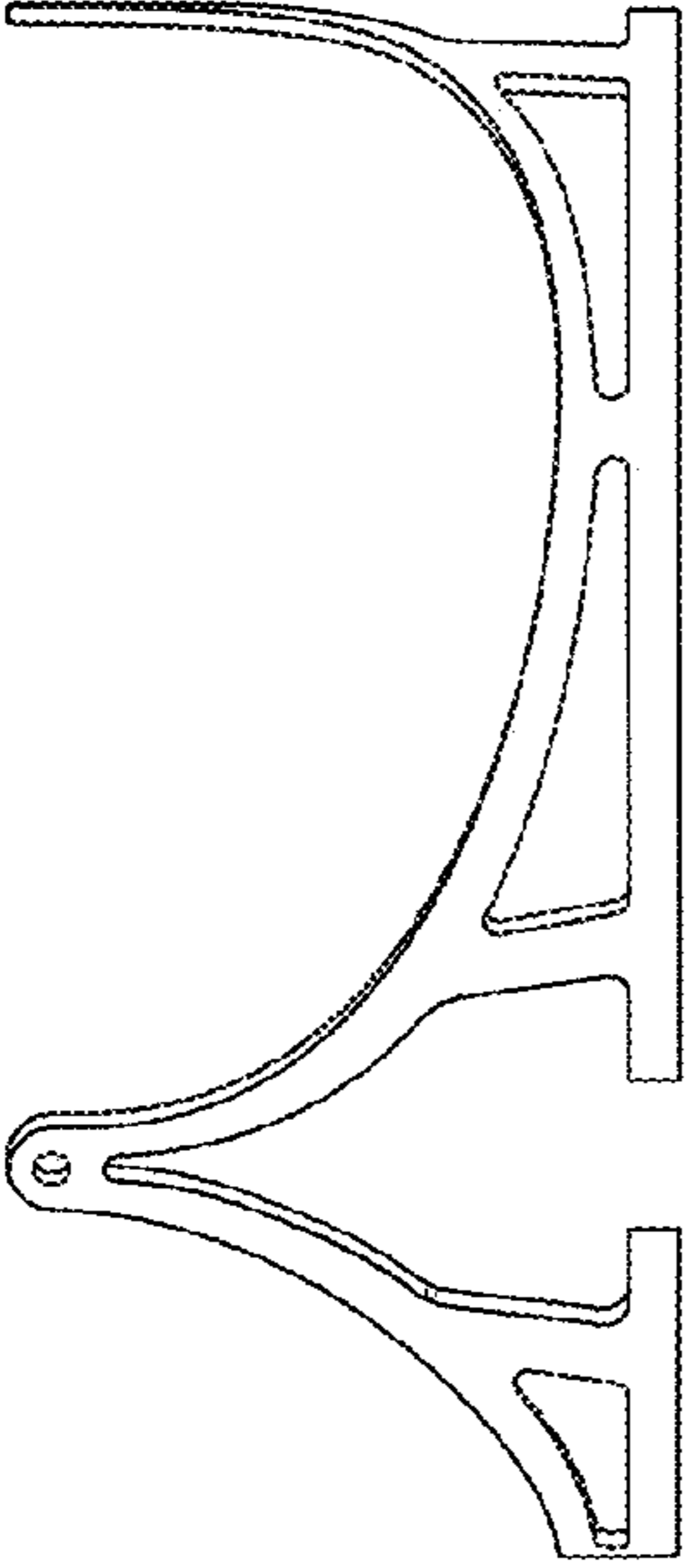


Fig. 14

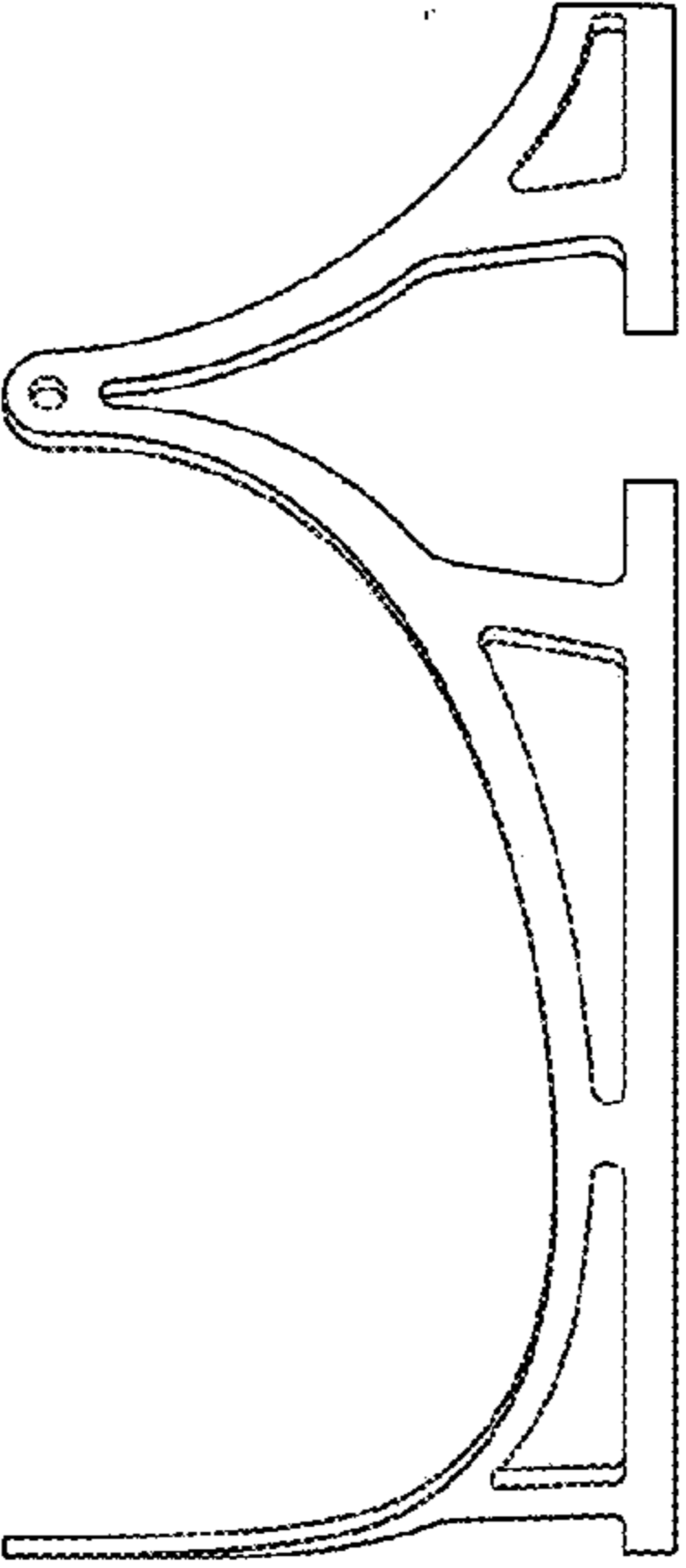


Fig. 16

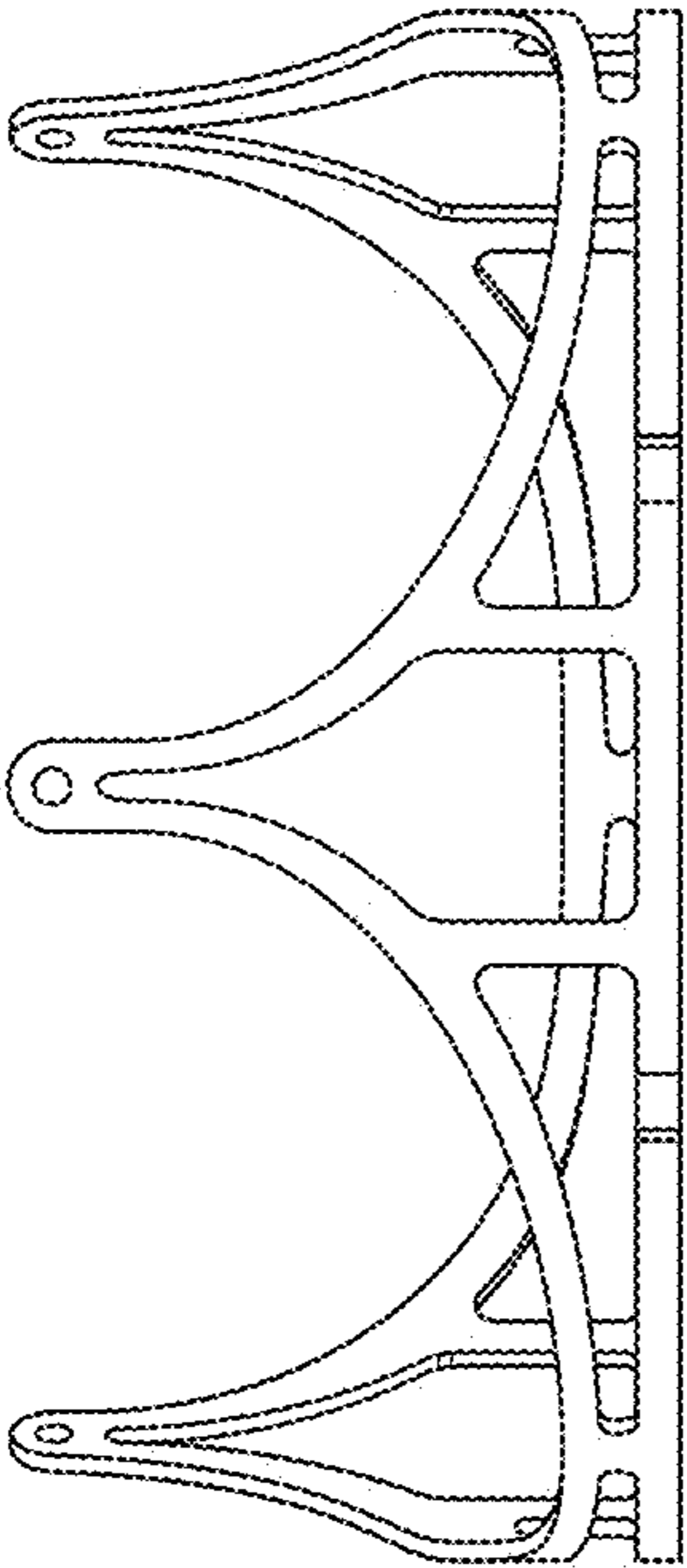


Fig. 17

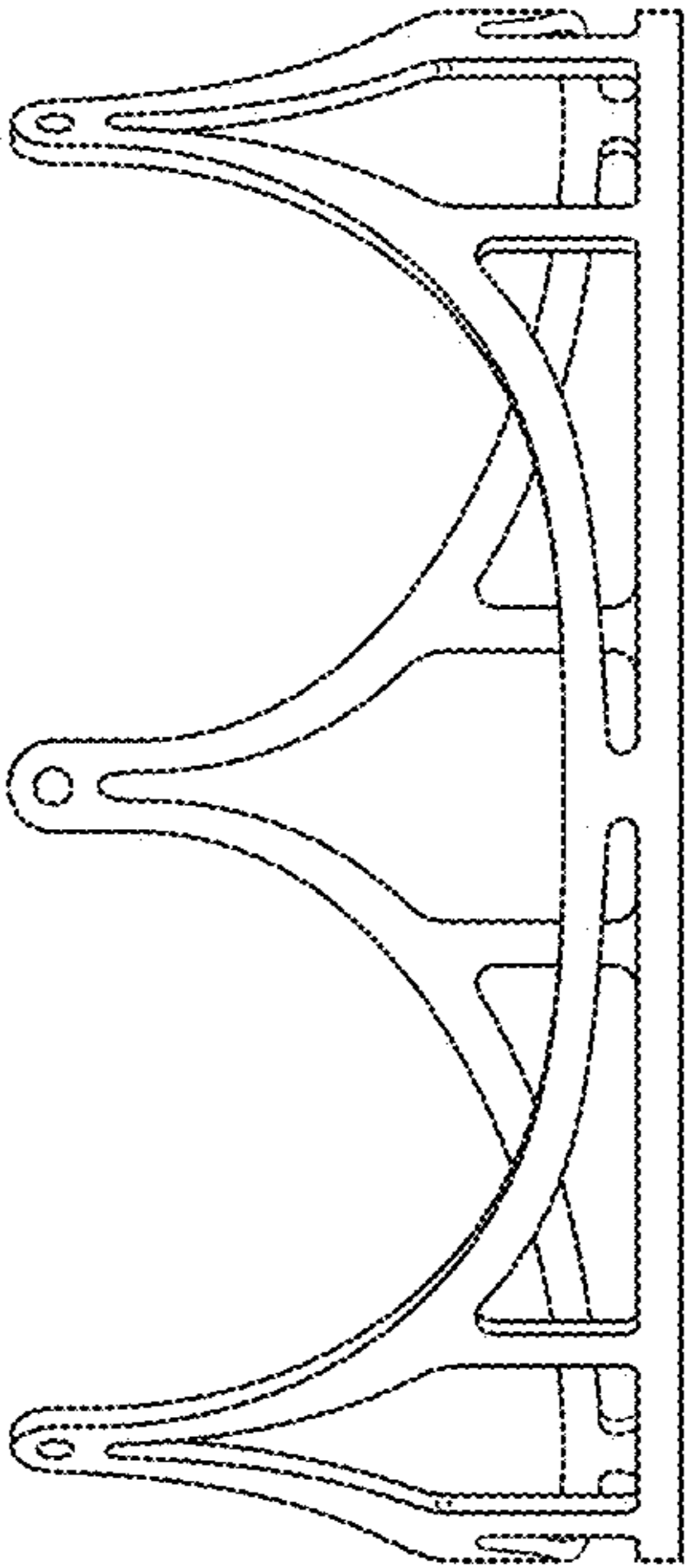


Fig. 15

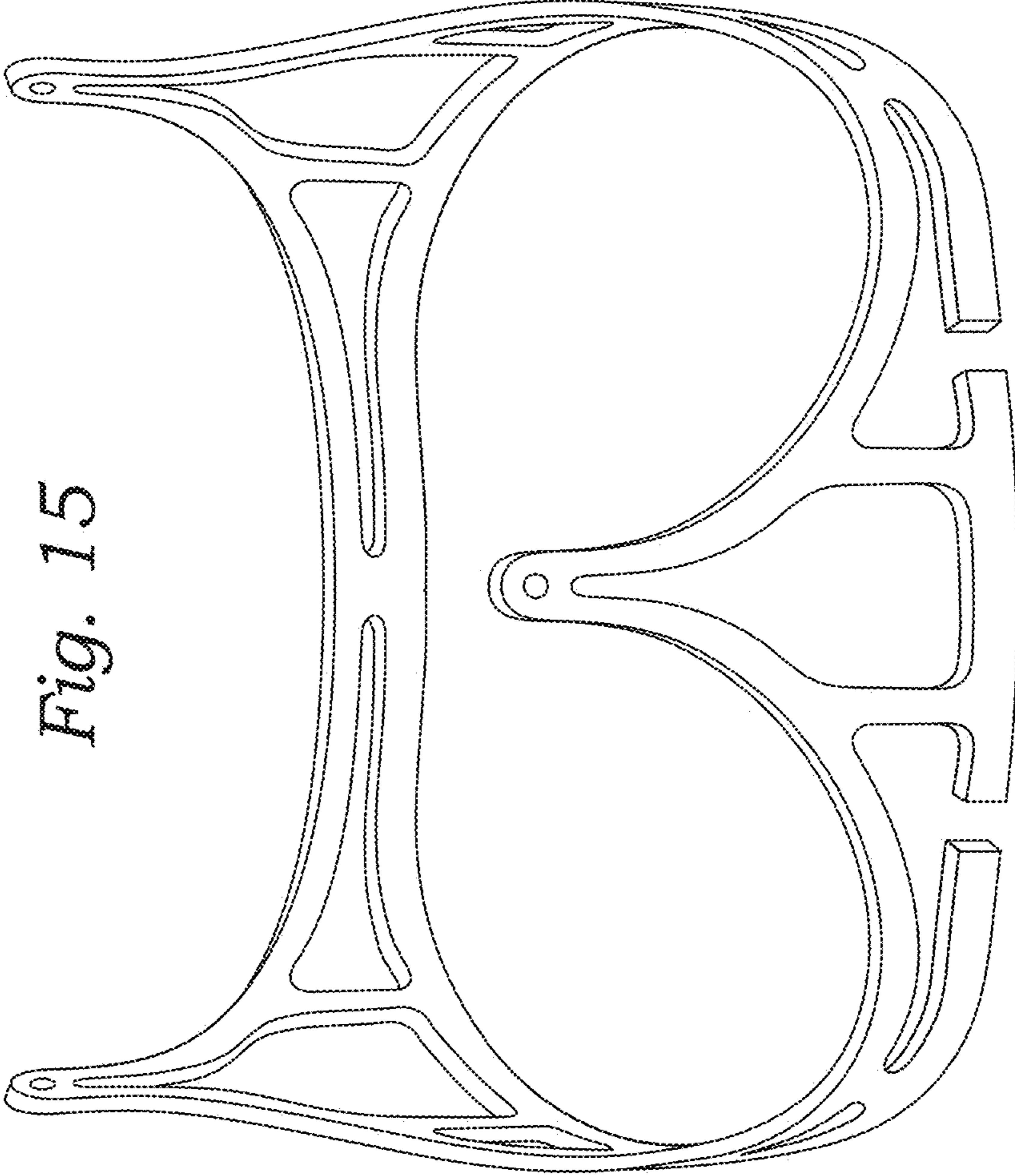




Fig. 18

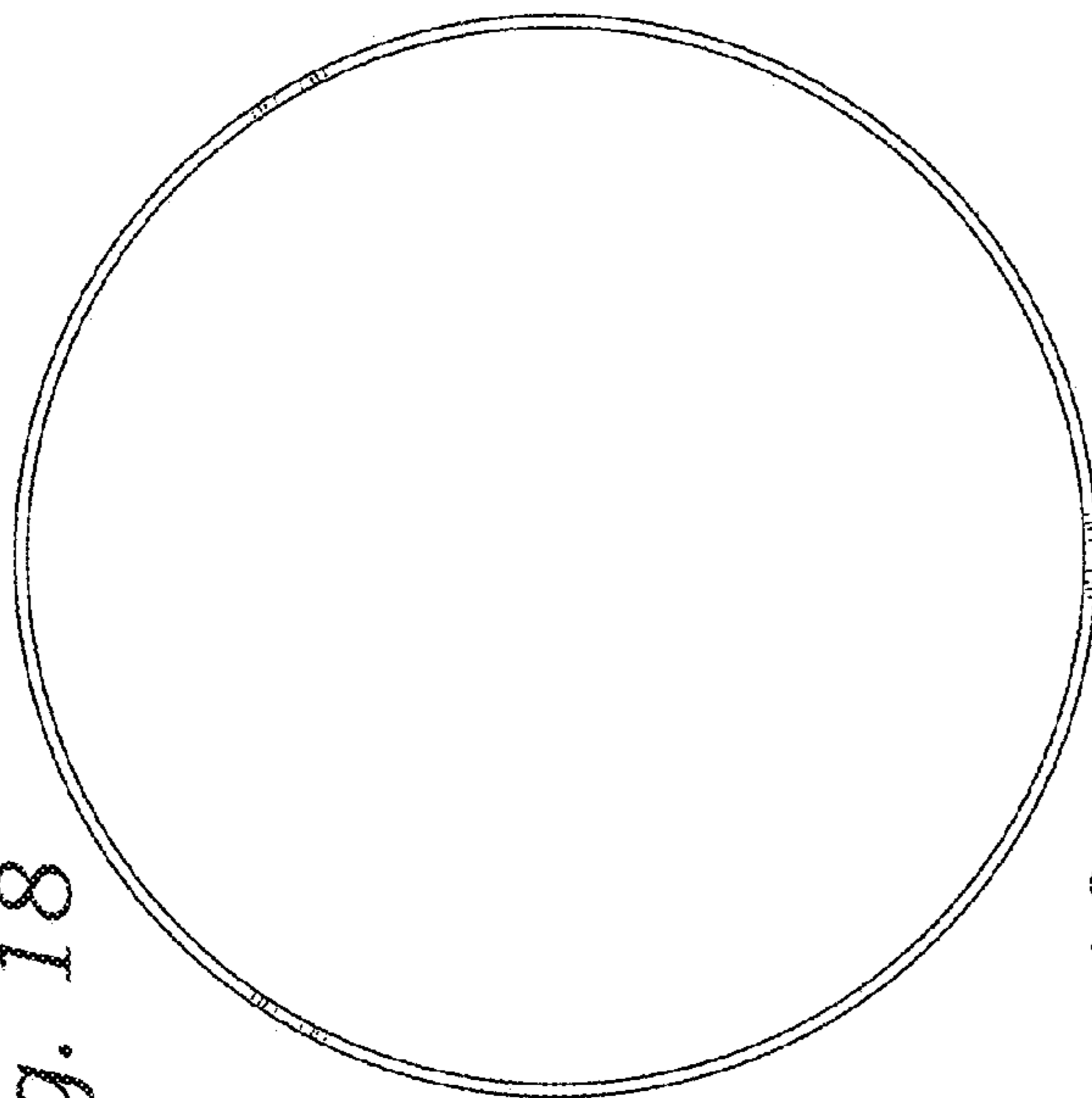


Fig. 19

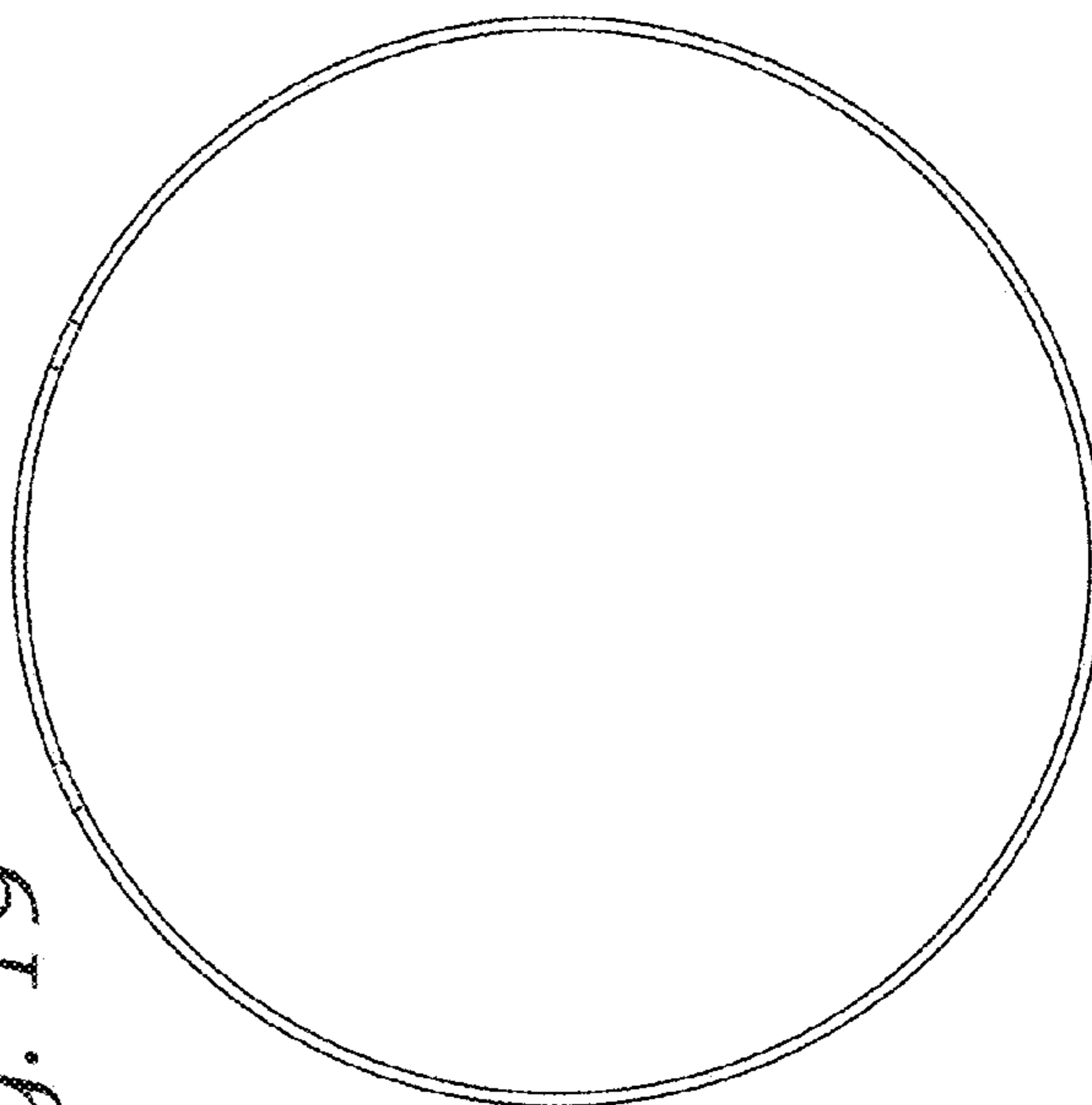


Fig. 20

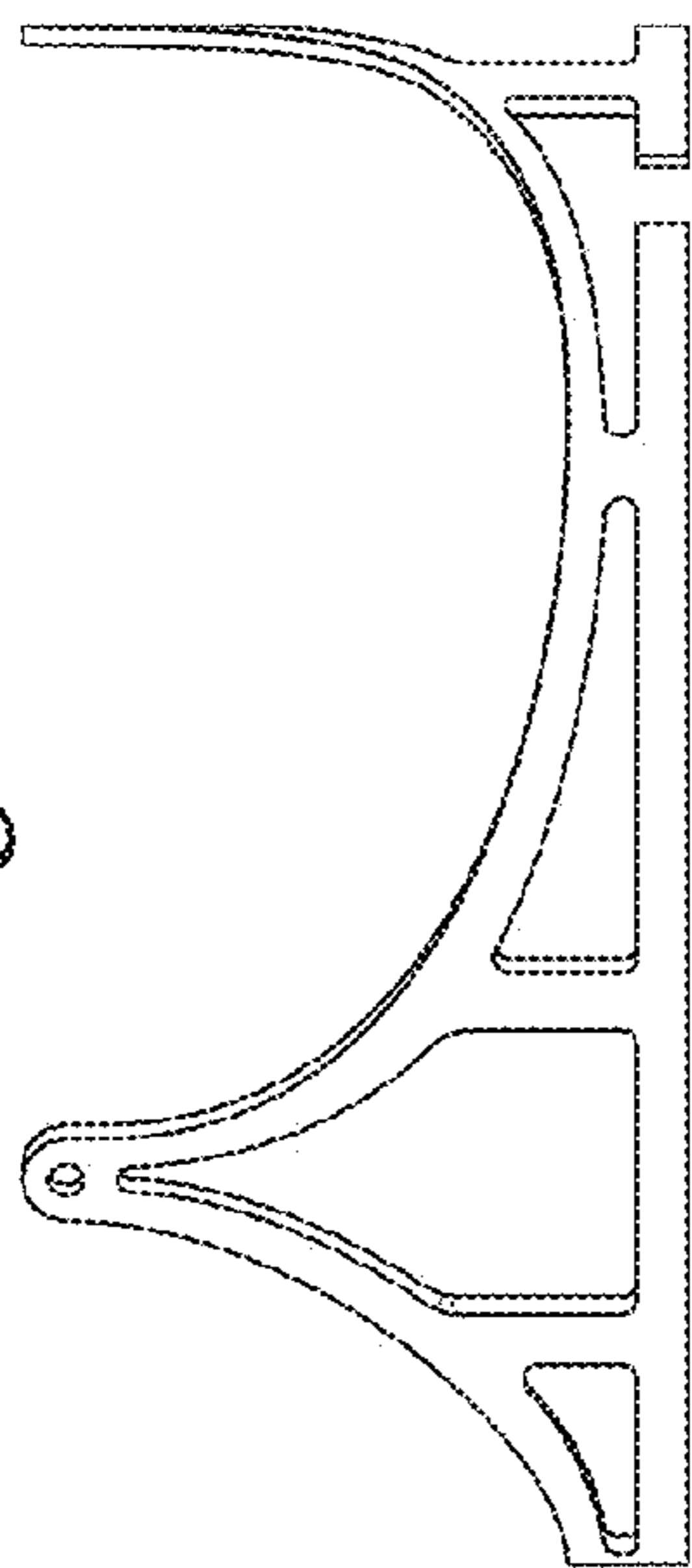
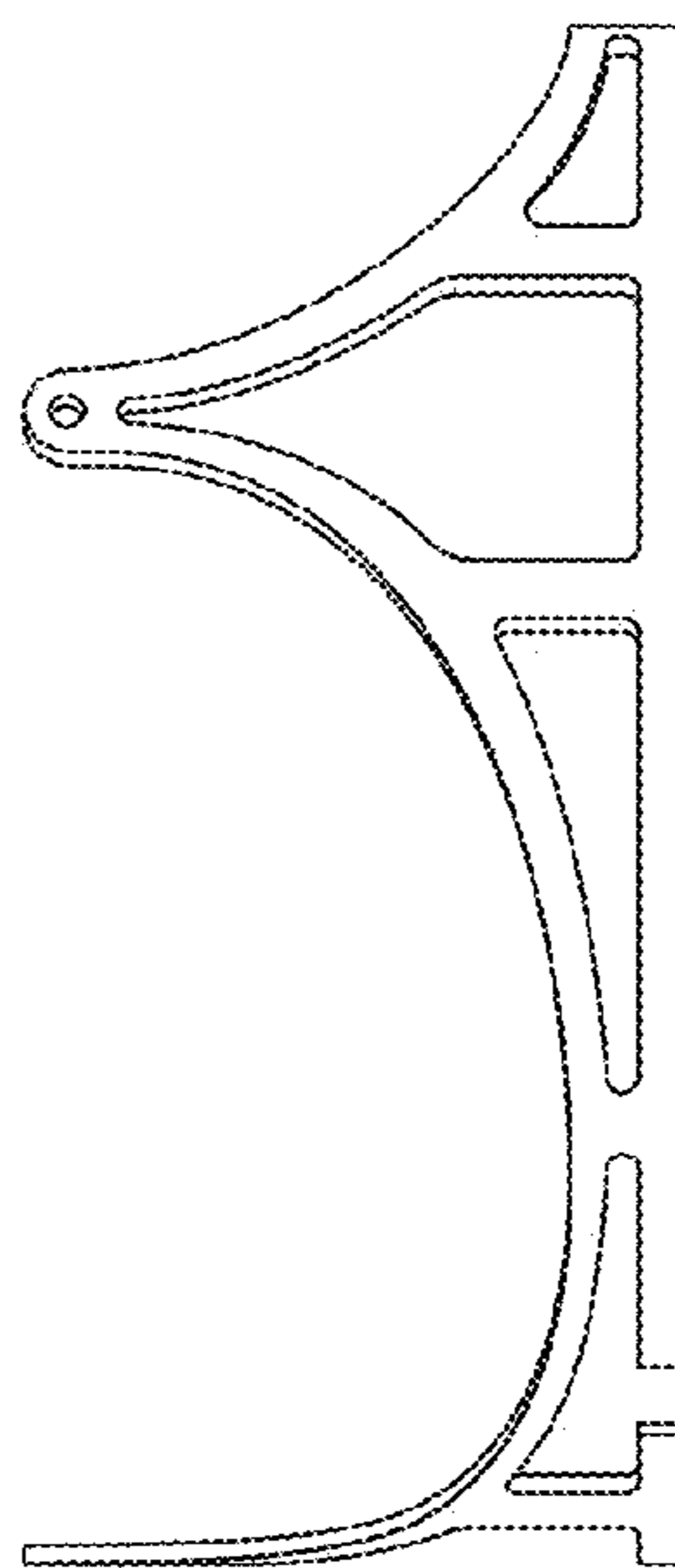
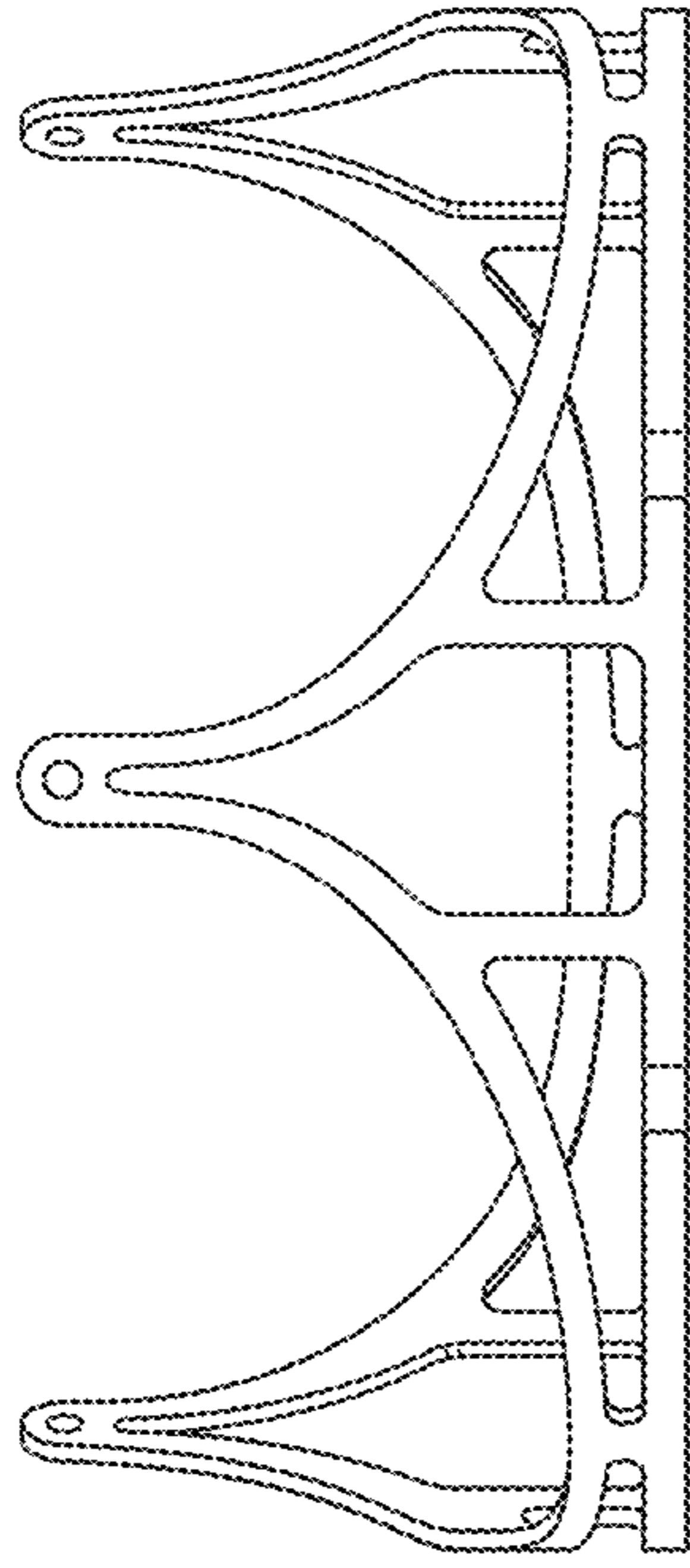


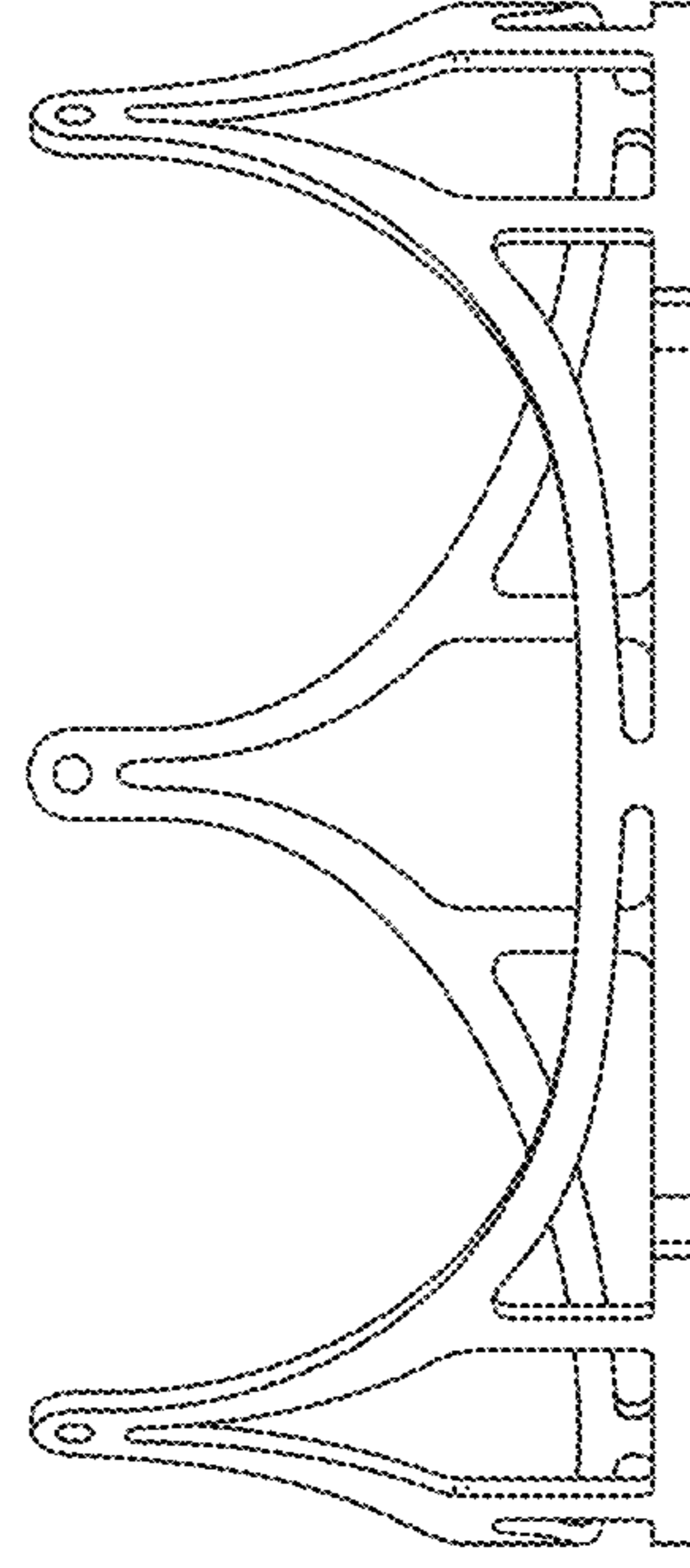
Fig. 21



*Fig. 23*



*Fig. 24*



*Fig. 22*

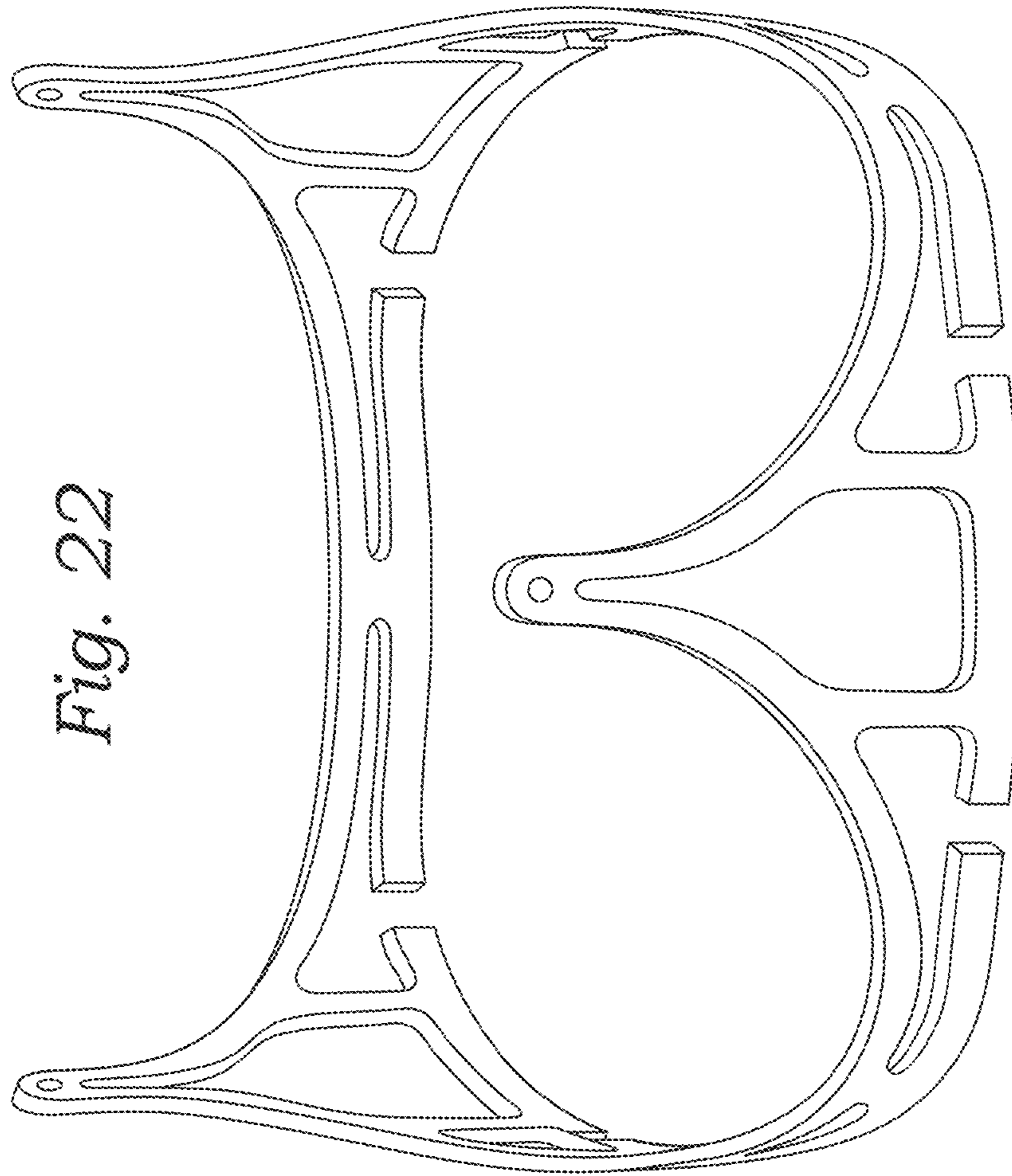


Fig. 25

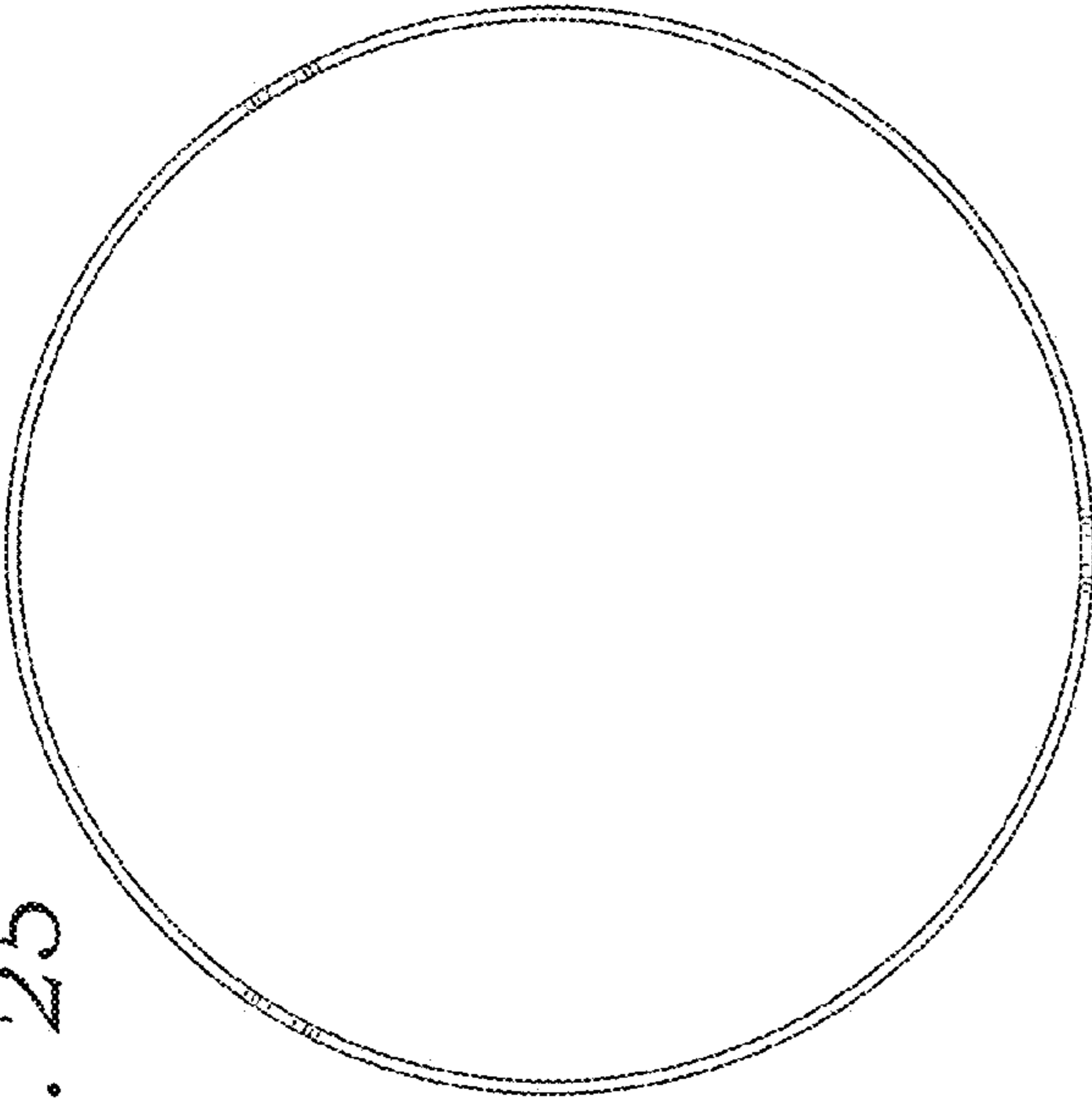


Fig. 26

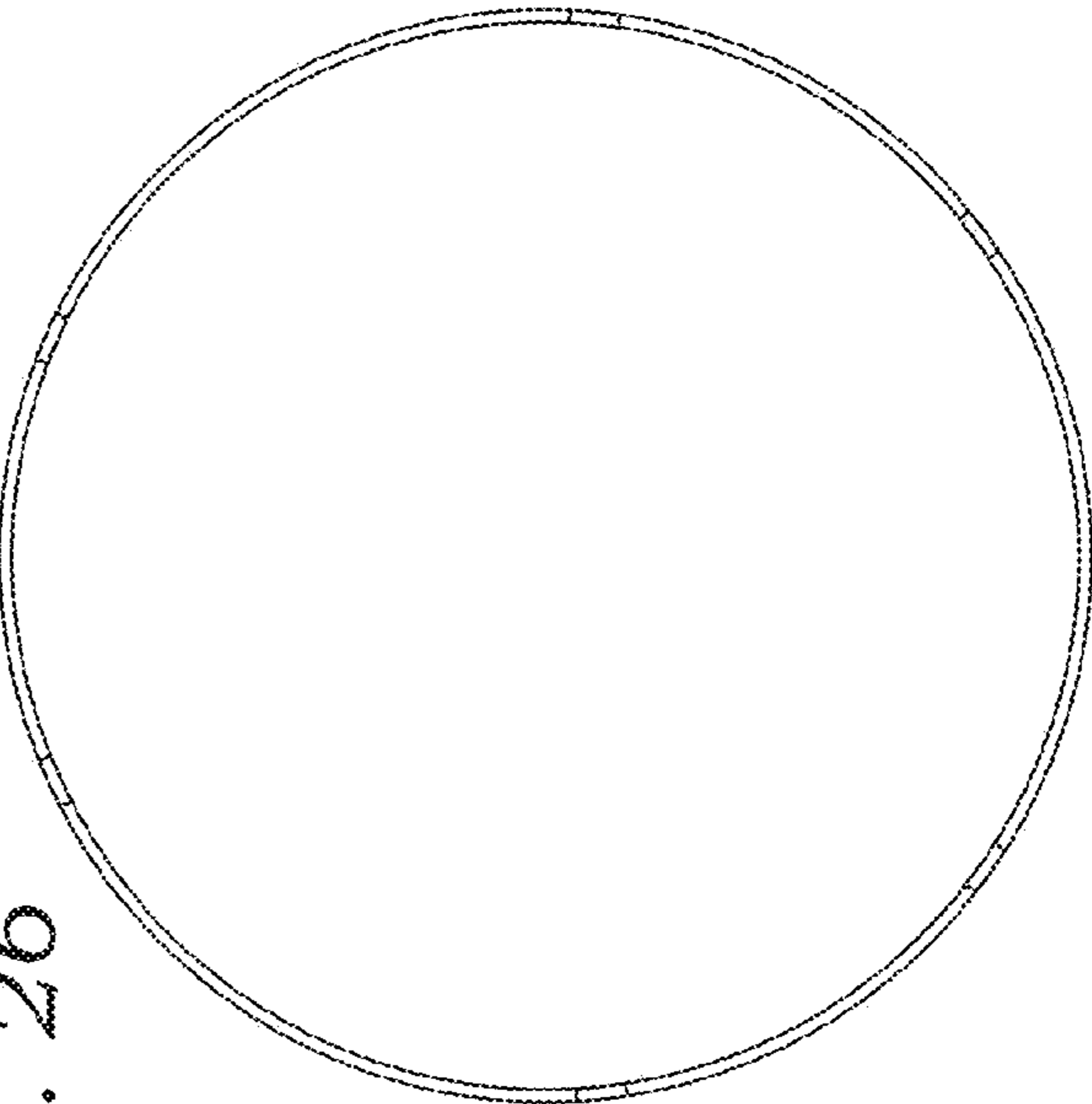


Fig. 27

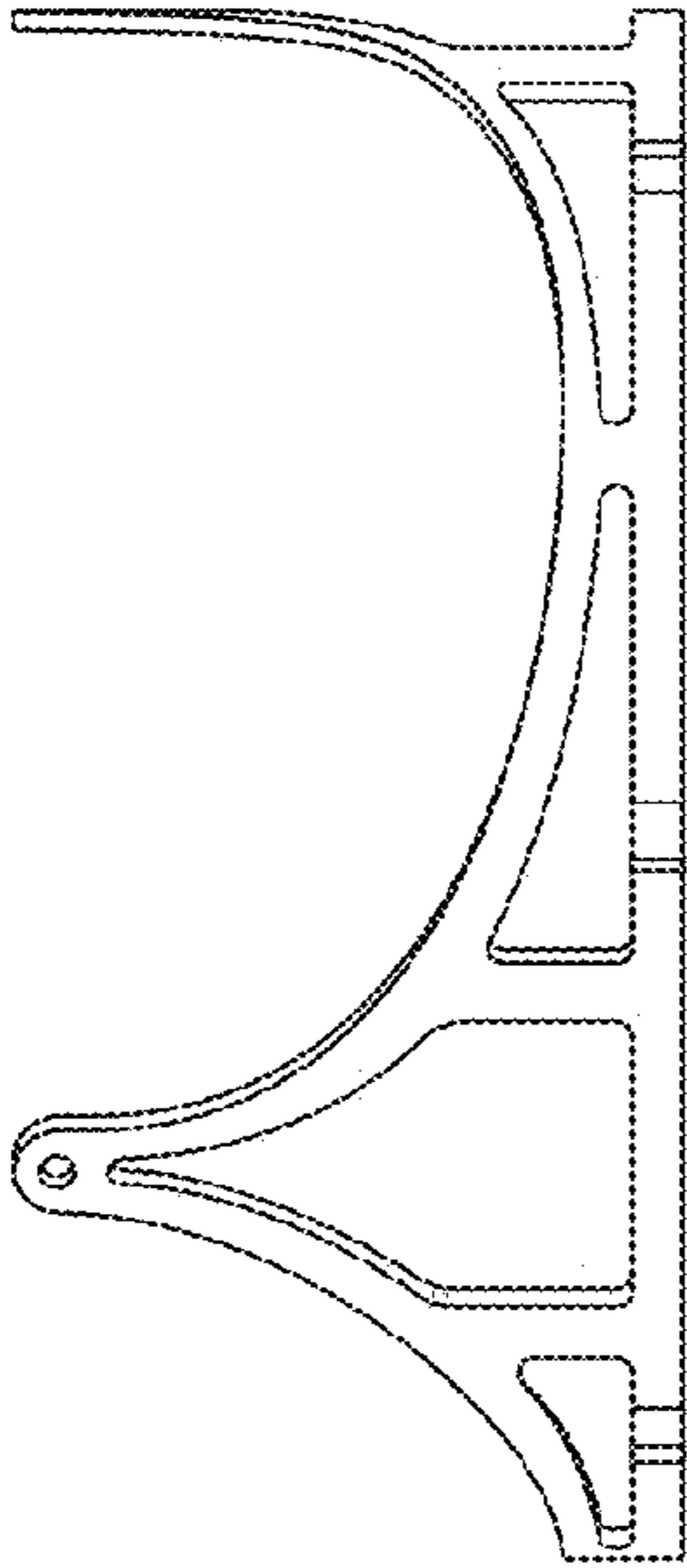
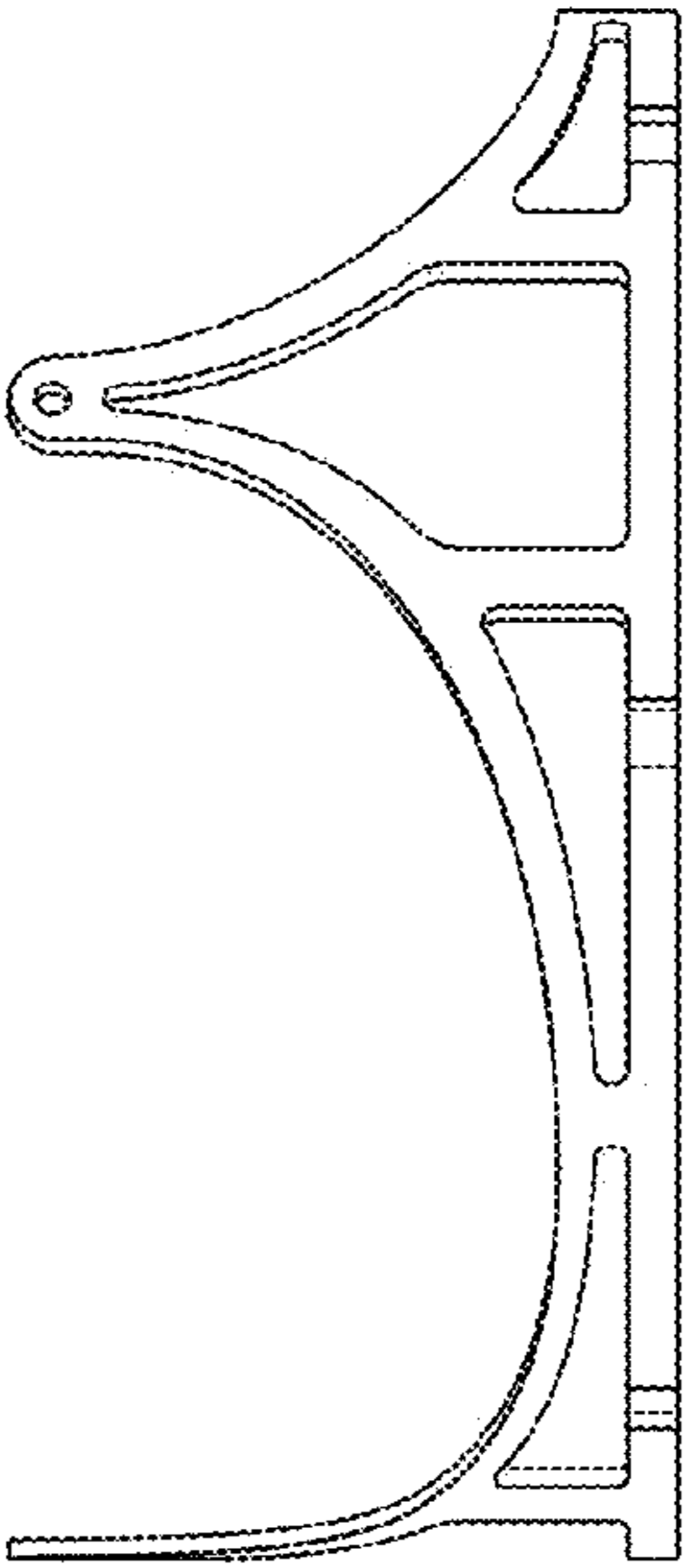


Fig. 28



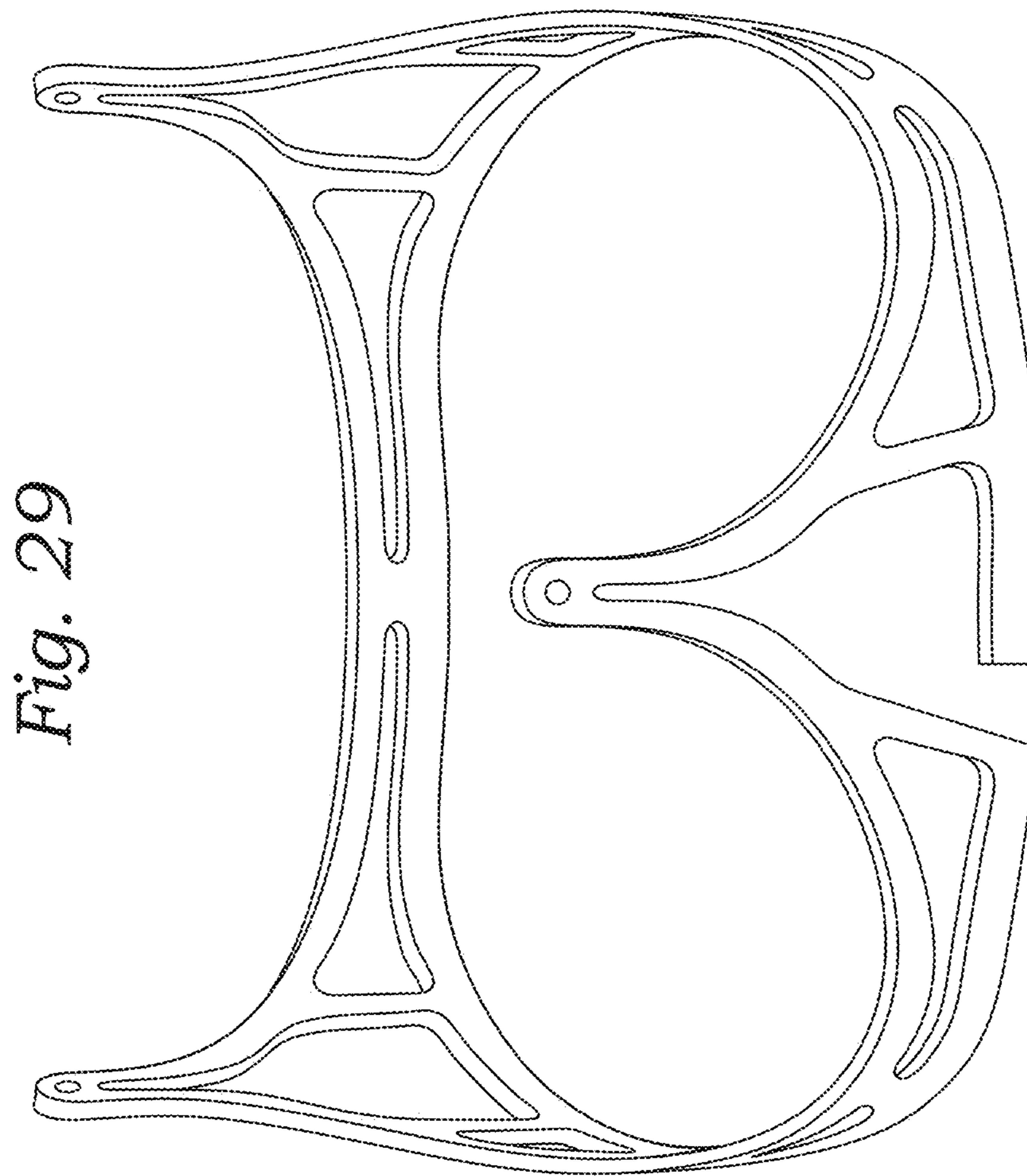


Fig. 29

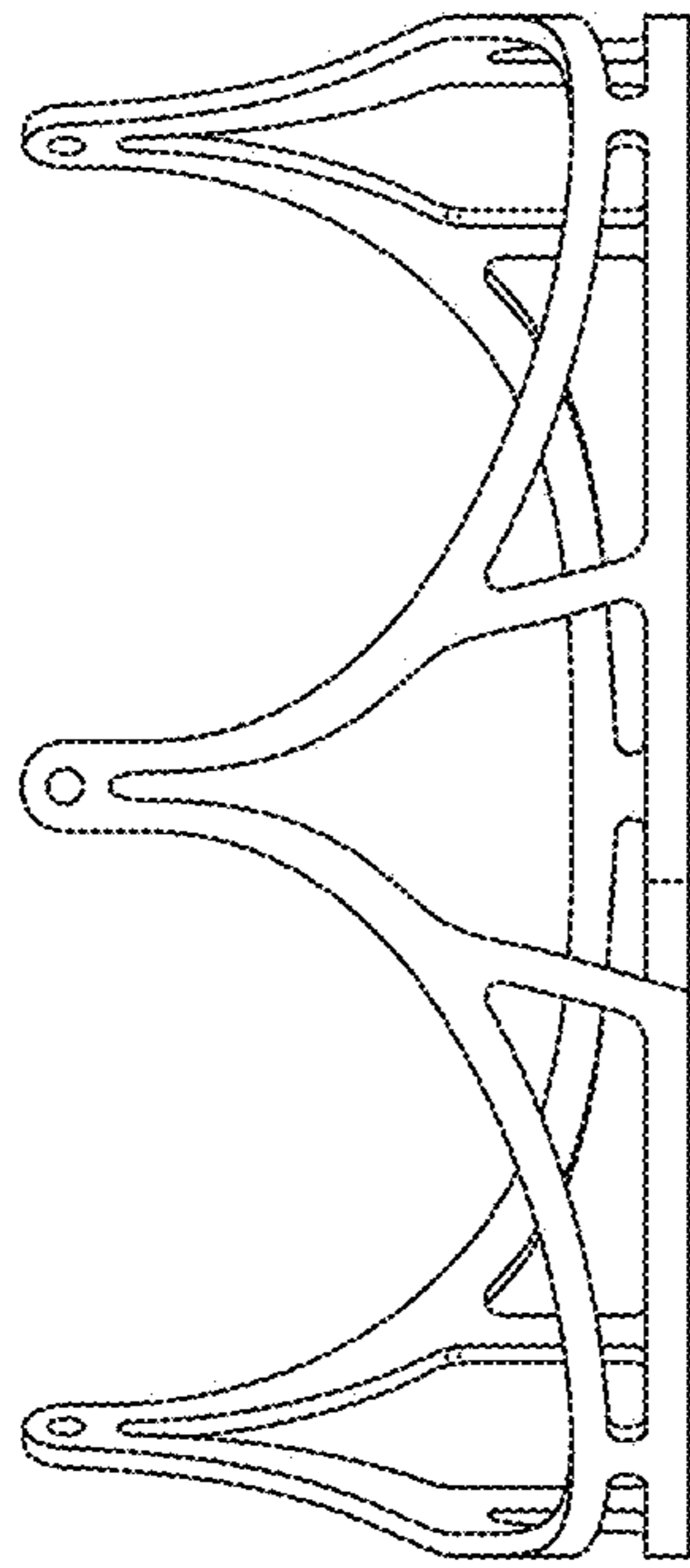


Fig. 30

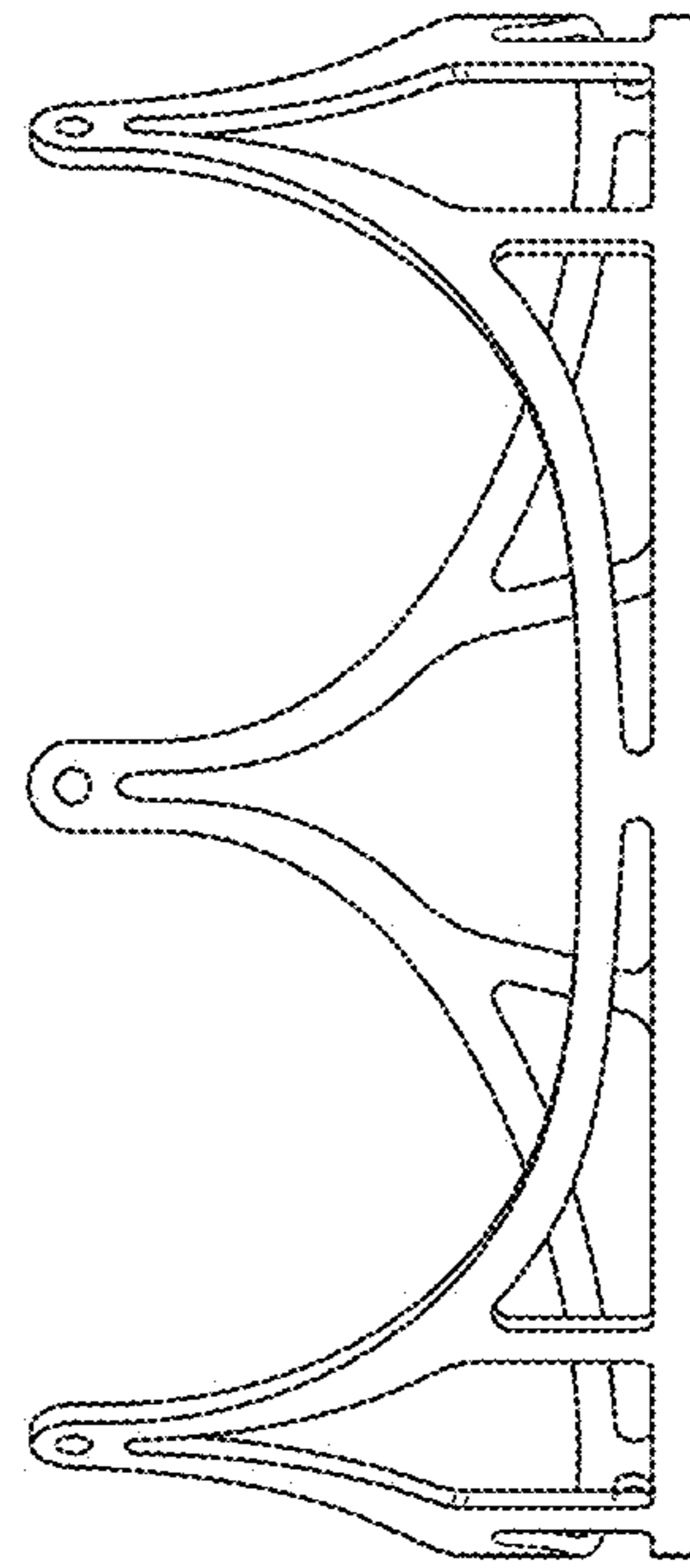


Fig. 31

Fig. 32

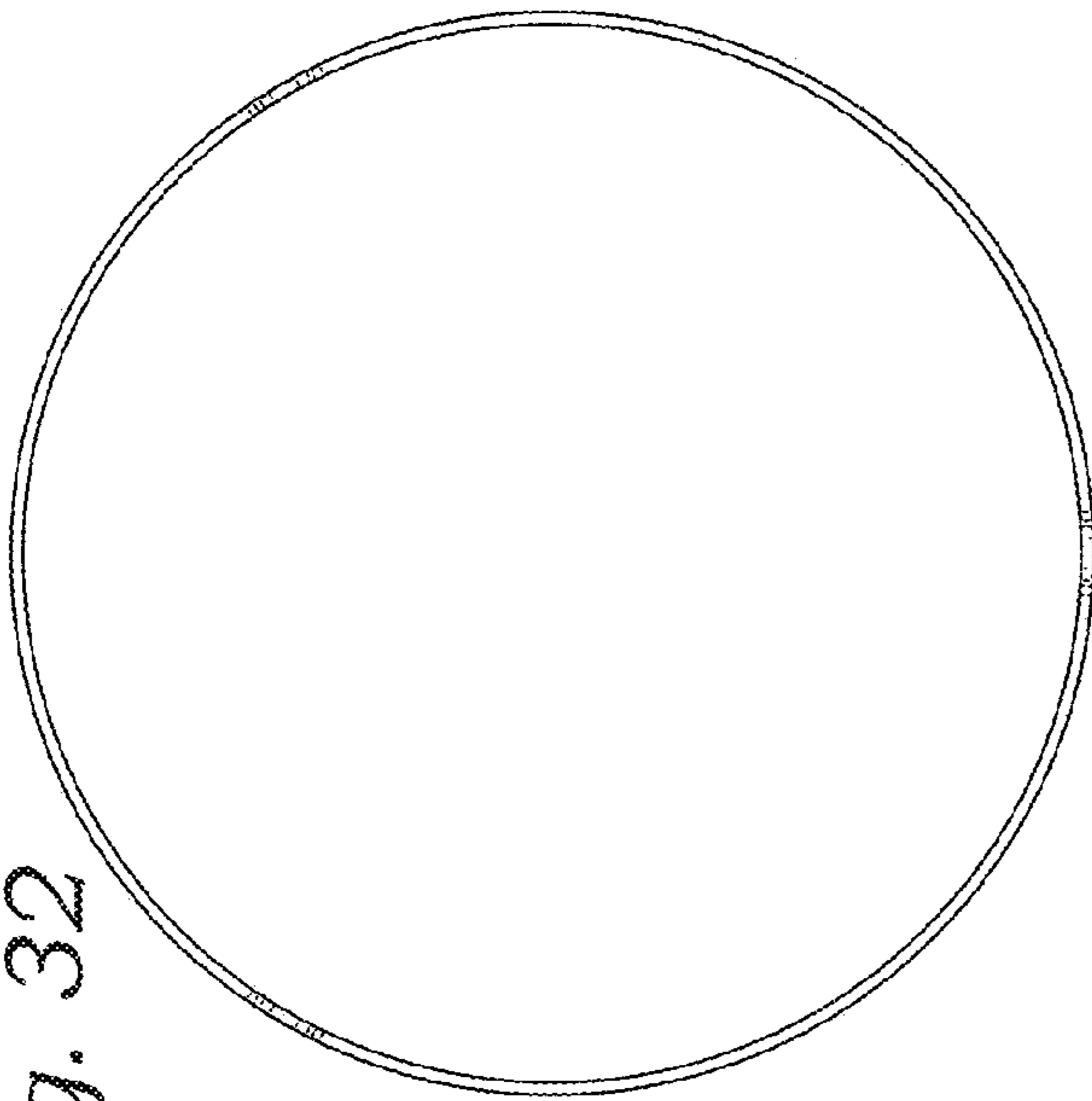


Fig. 33

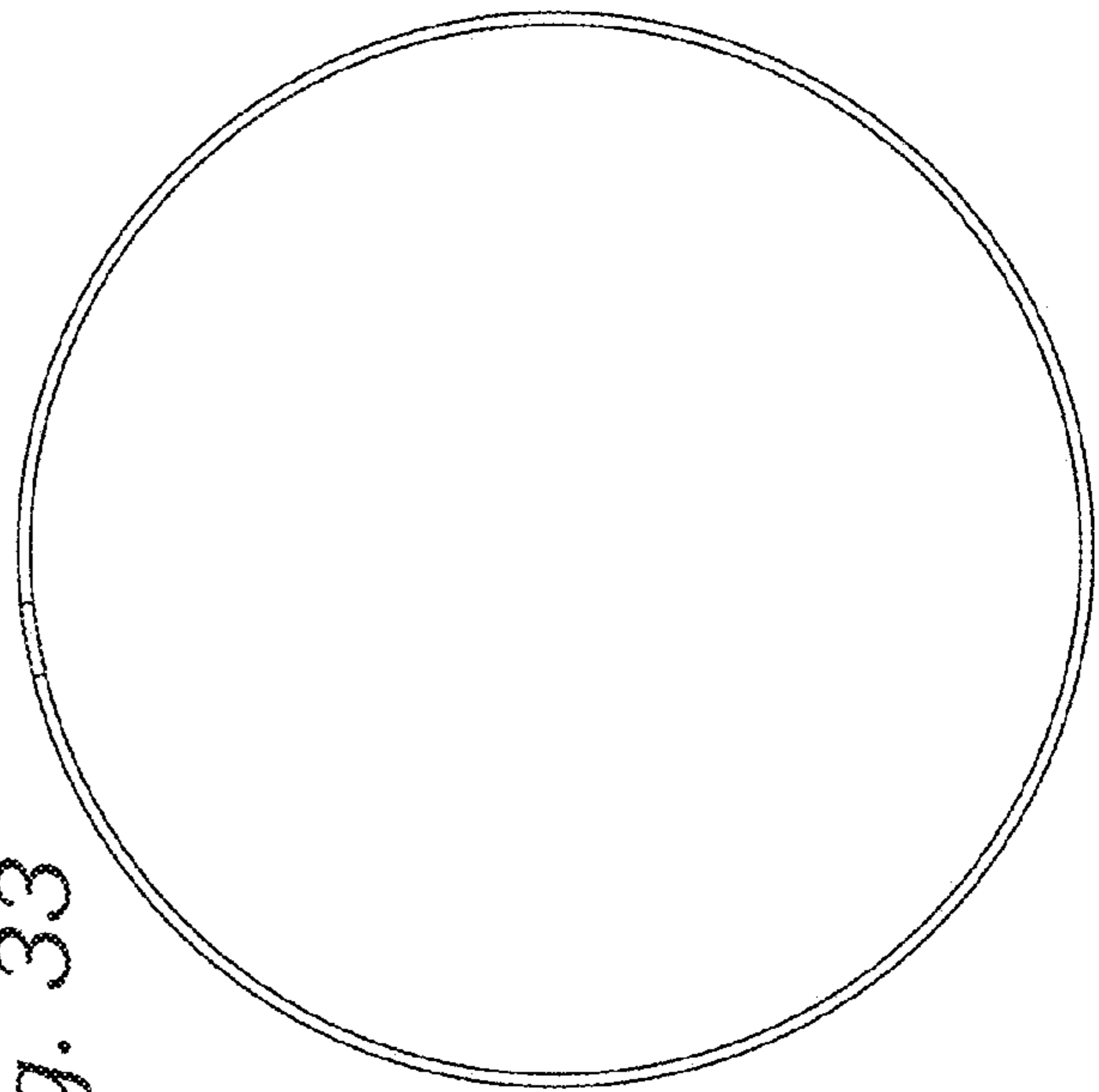


Fig. 34

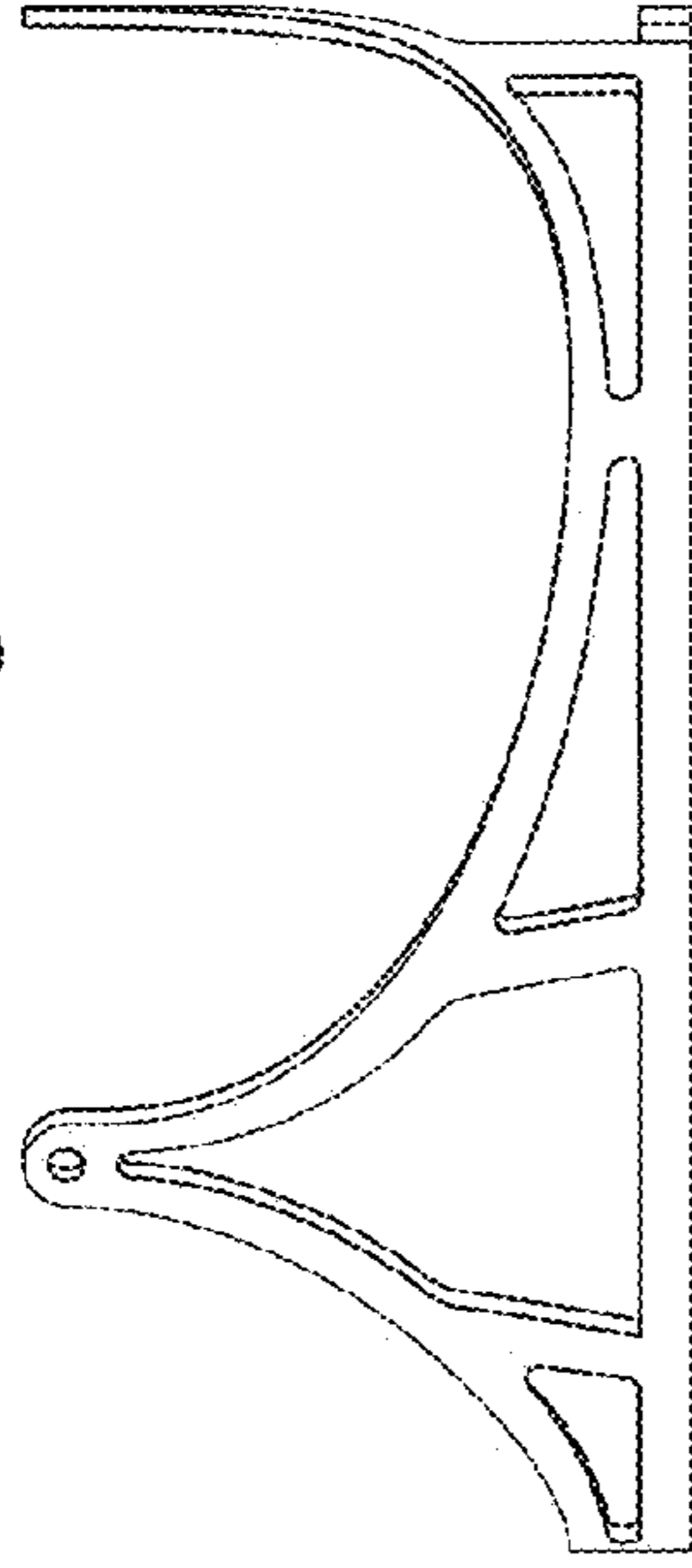


Fig. 35

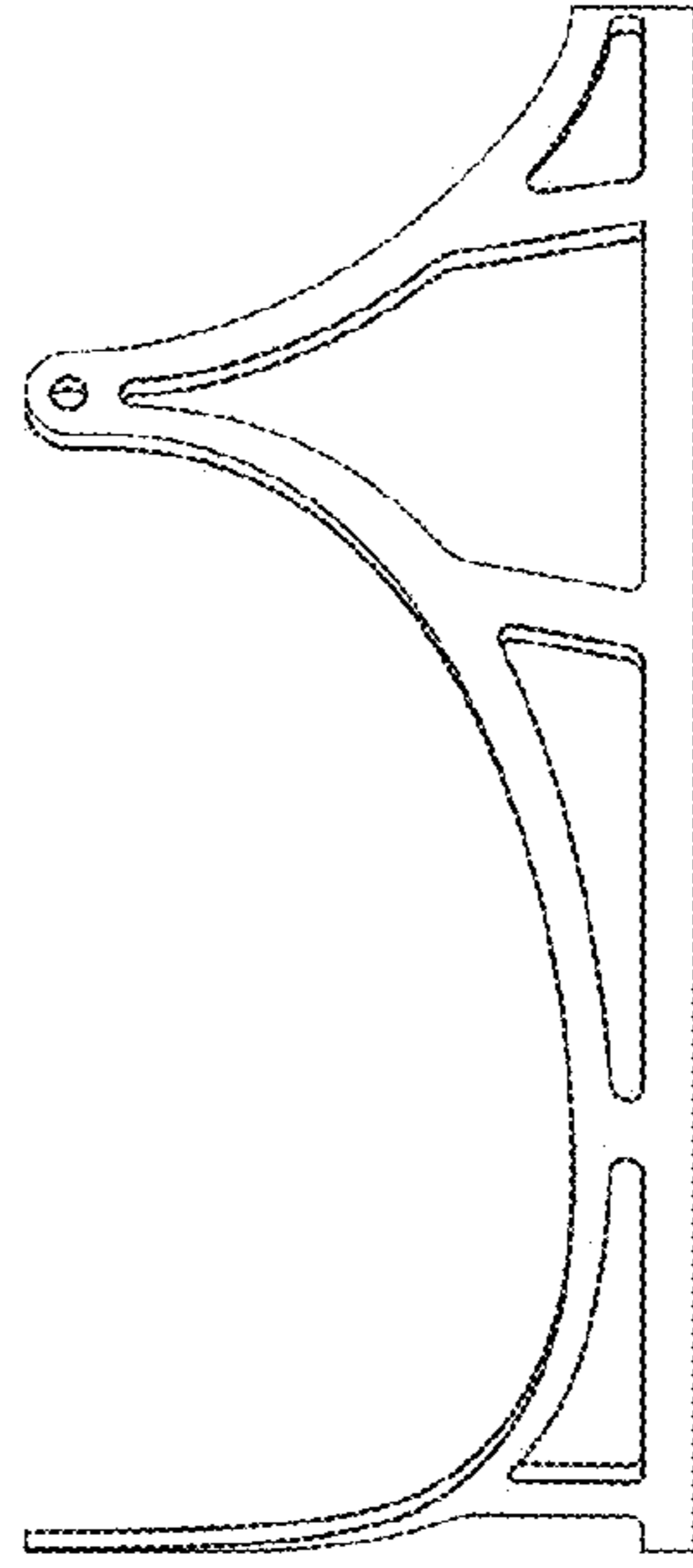


Fig. 37

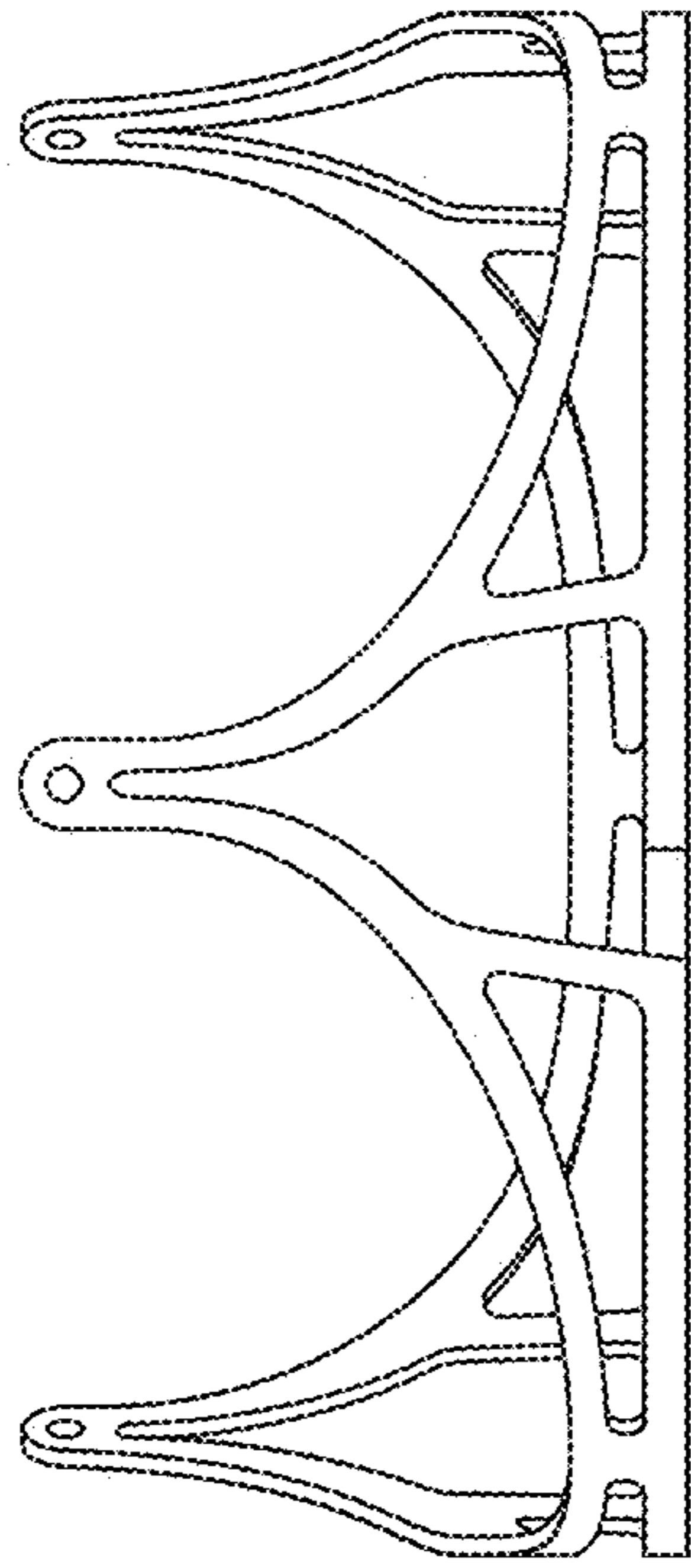


Fig. 38

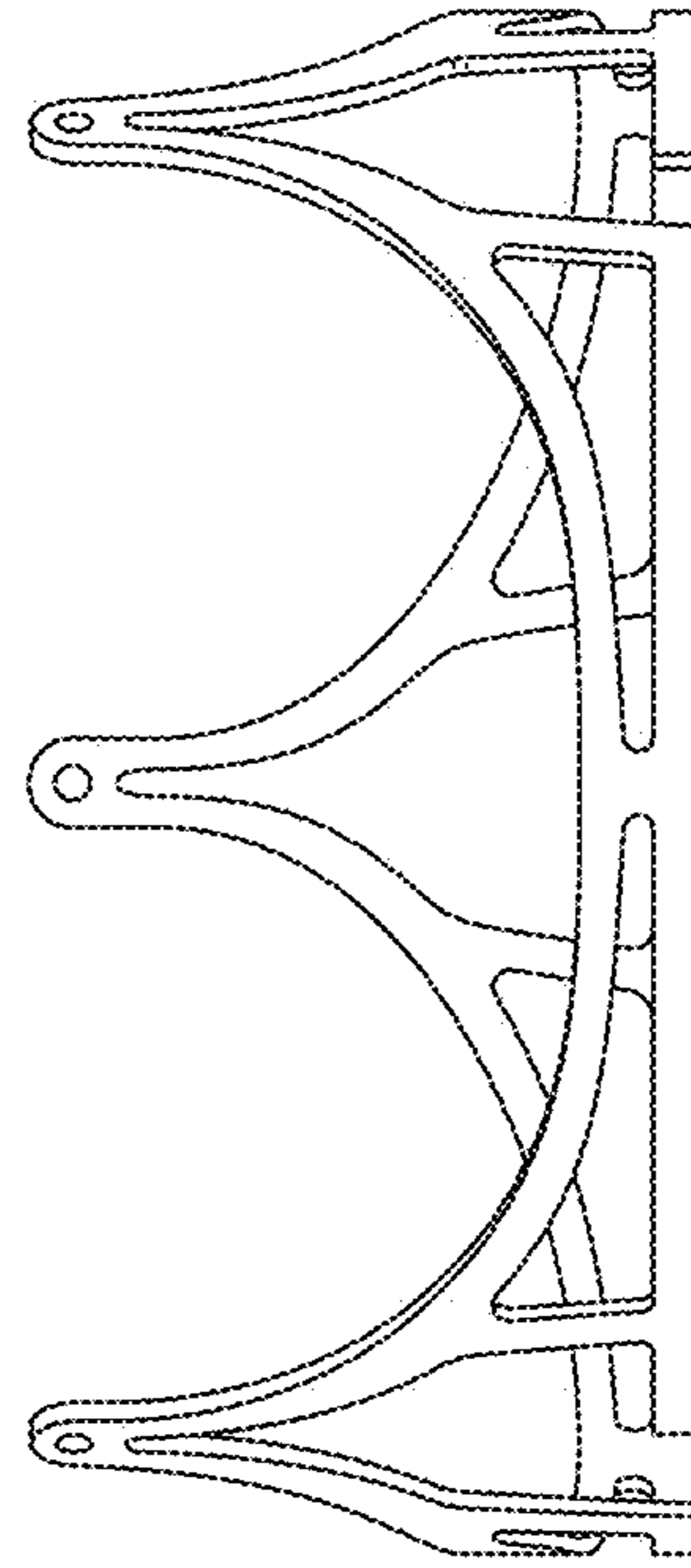


Fig. 36

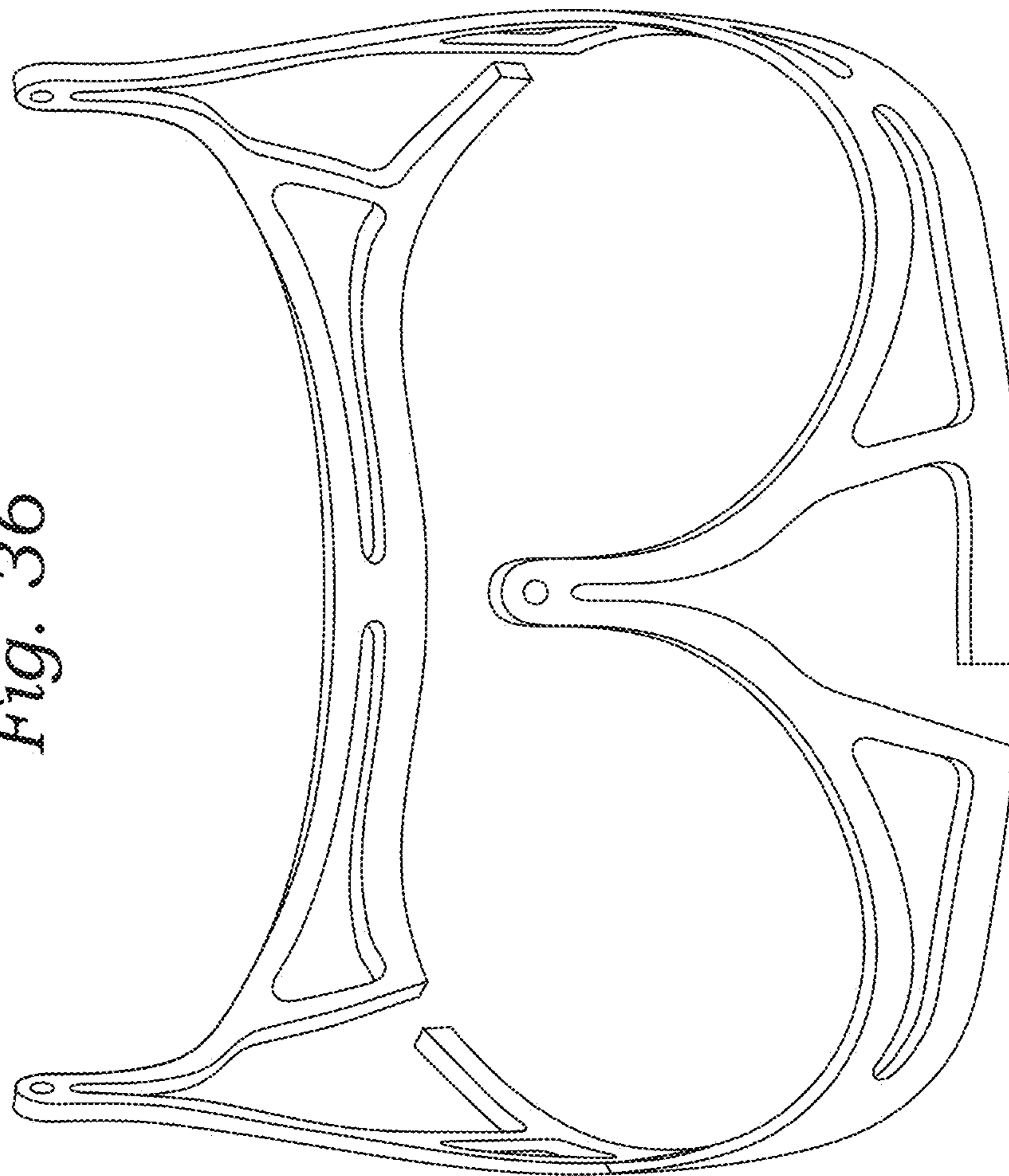


Fig. 39

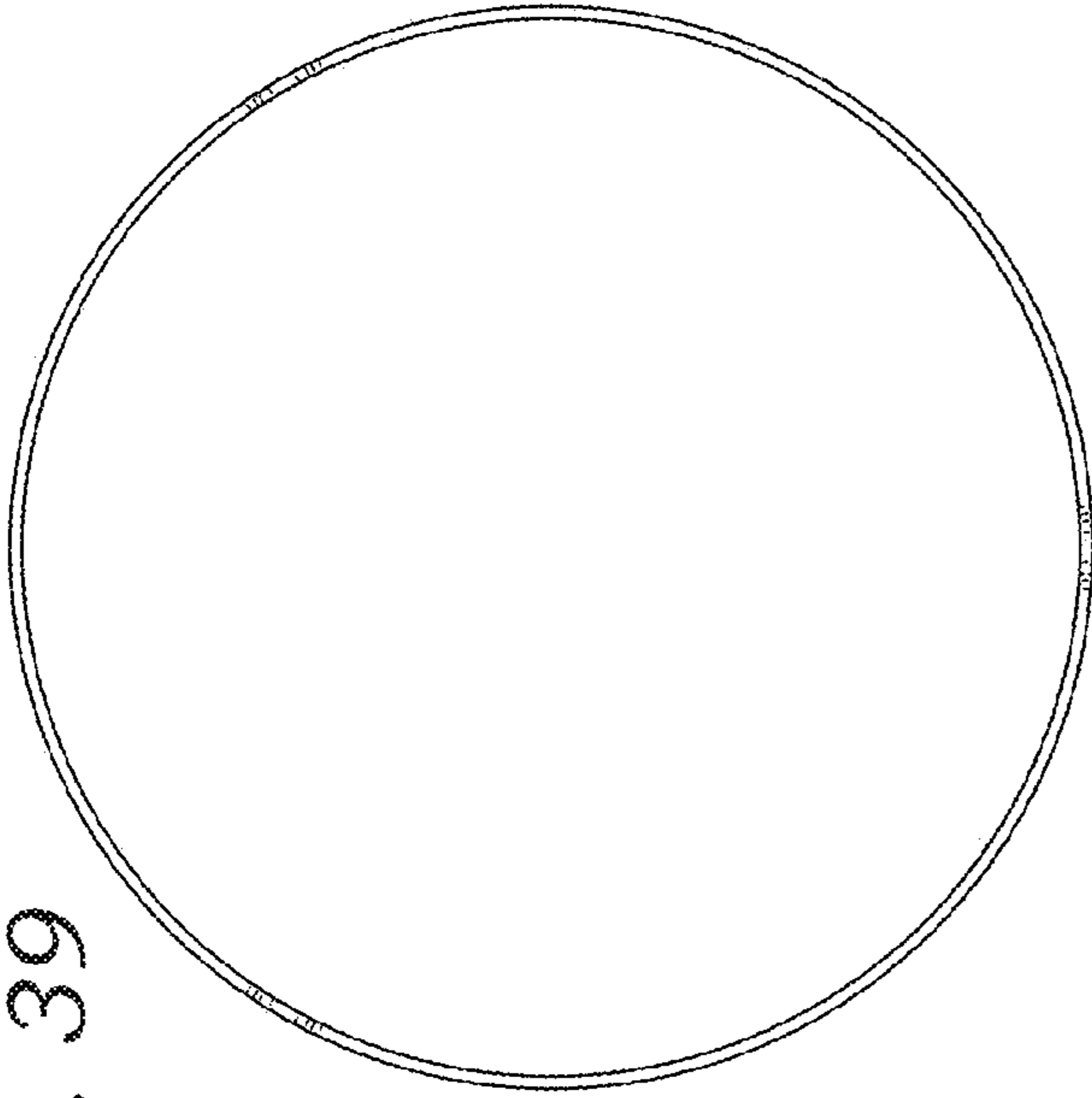


Fig. 40

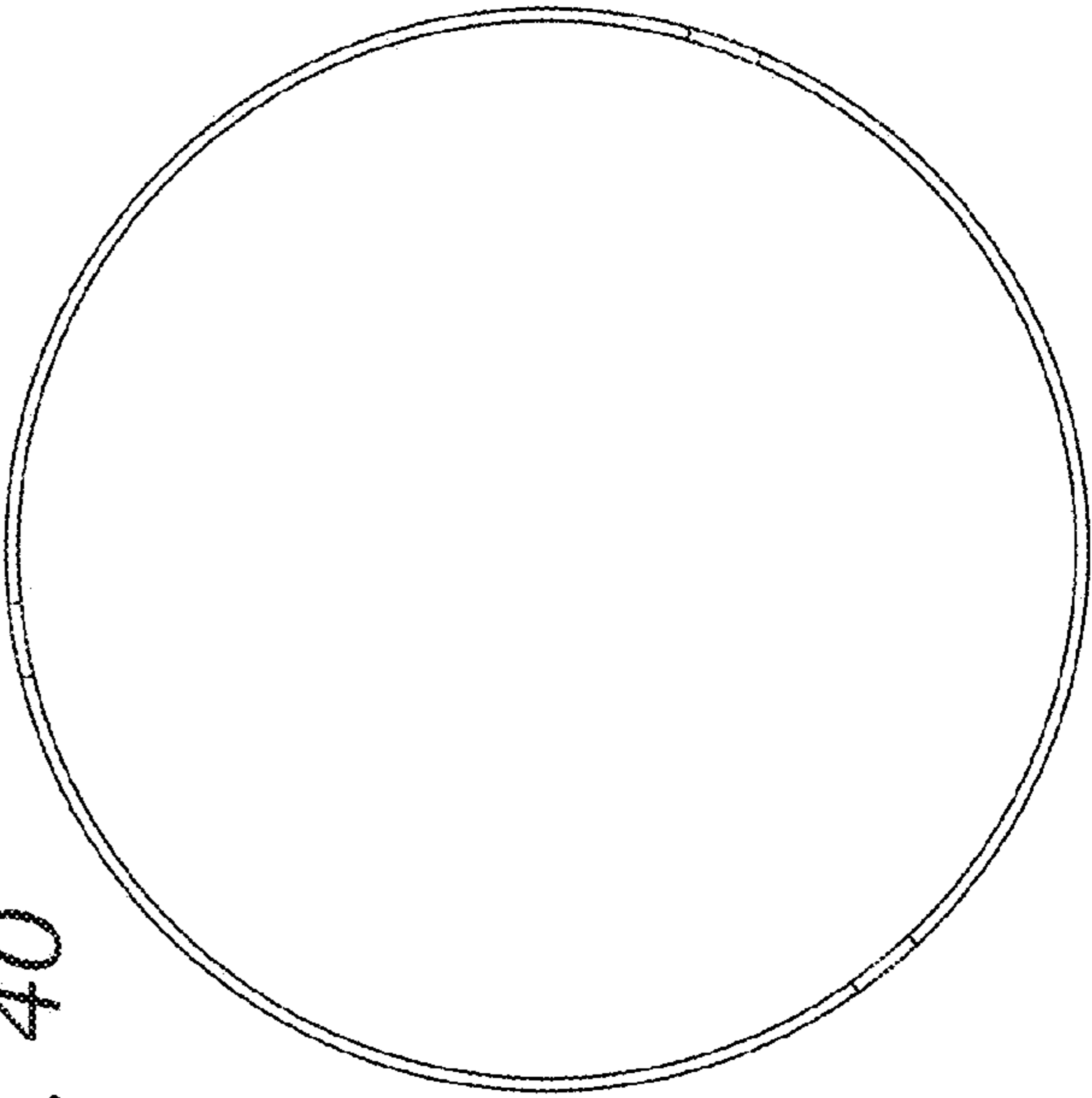


Fig. 41

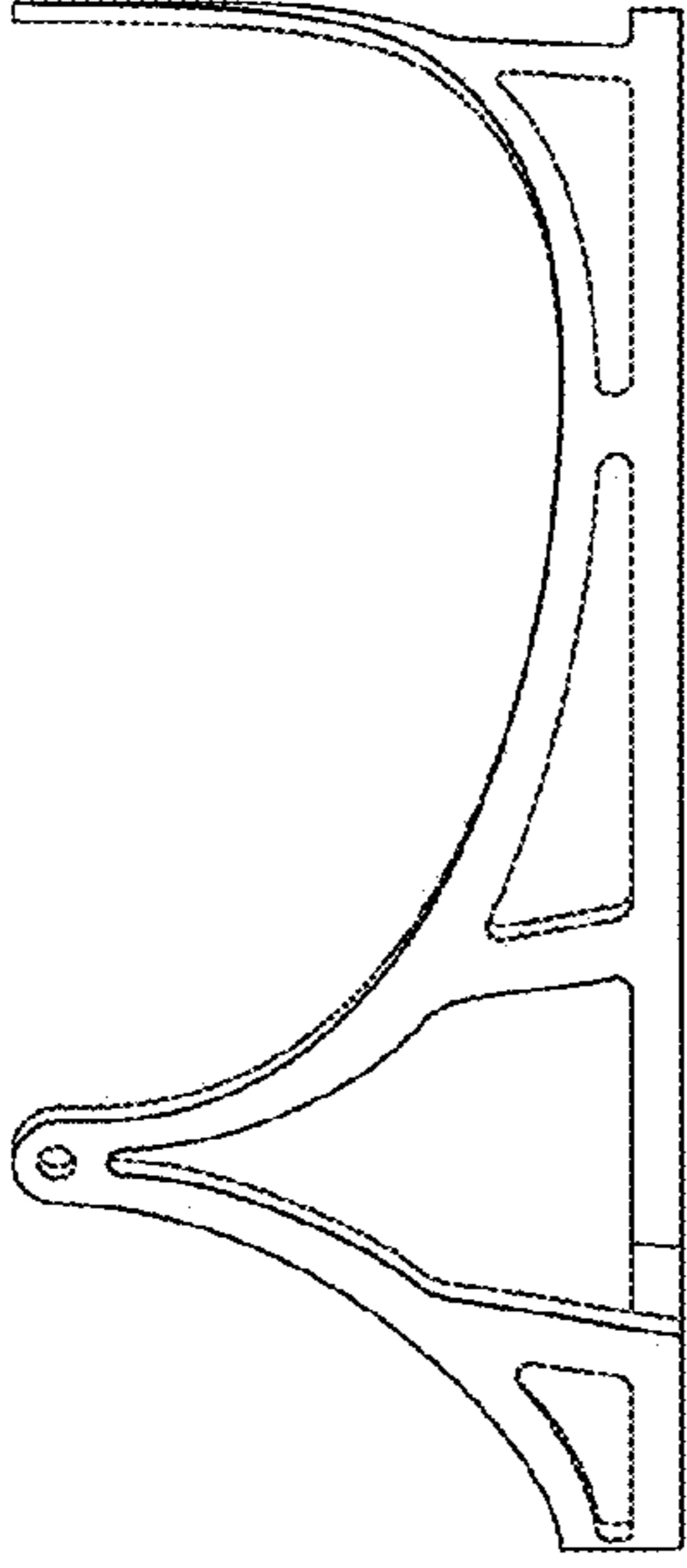


Fig. 42

