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(12) **United States Design Patent**  
**Ashraf et al.**

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- (54) **ULTRA-WIDEBAND UNIPOLE ANTENNA**
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- (73) Assignee: **King Saud University**, Riyadh (SA)
- (\*\*) Term: **15 Years**

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- (51) **LOC (12) Cl.** ..... **14-03**
- (52) **U.S. Cl.**  
USPC ..... **D14/230**
- (58) **Field of Classification Search**  
USPC ..... D14/138, 230-238, 299, 358; D12/42, D12/43  
CPC ..... H01Q 7/00; H01Q 13/10; H01Q 9/285; H01Q 19/30; H01Q 19/12; H01Q 1/38; H01Q 1/36; H04B 1/0475; H04B 1/034; H05K 11/00  
See application file for complete search history.

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(57) **CLAIM**

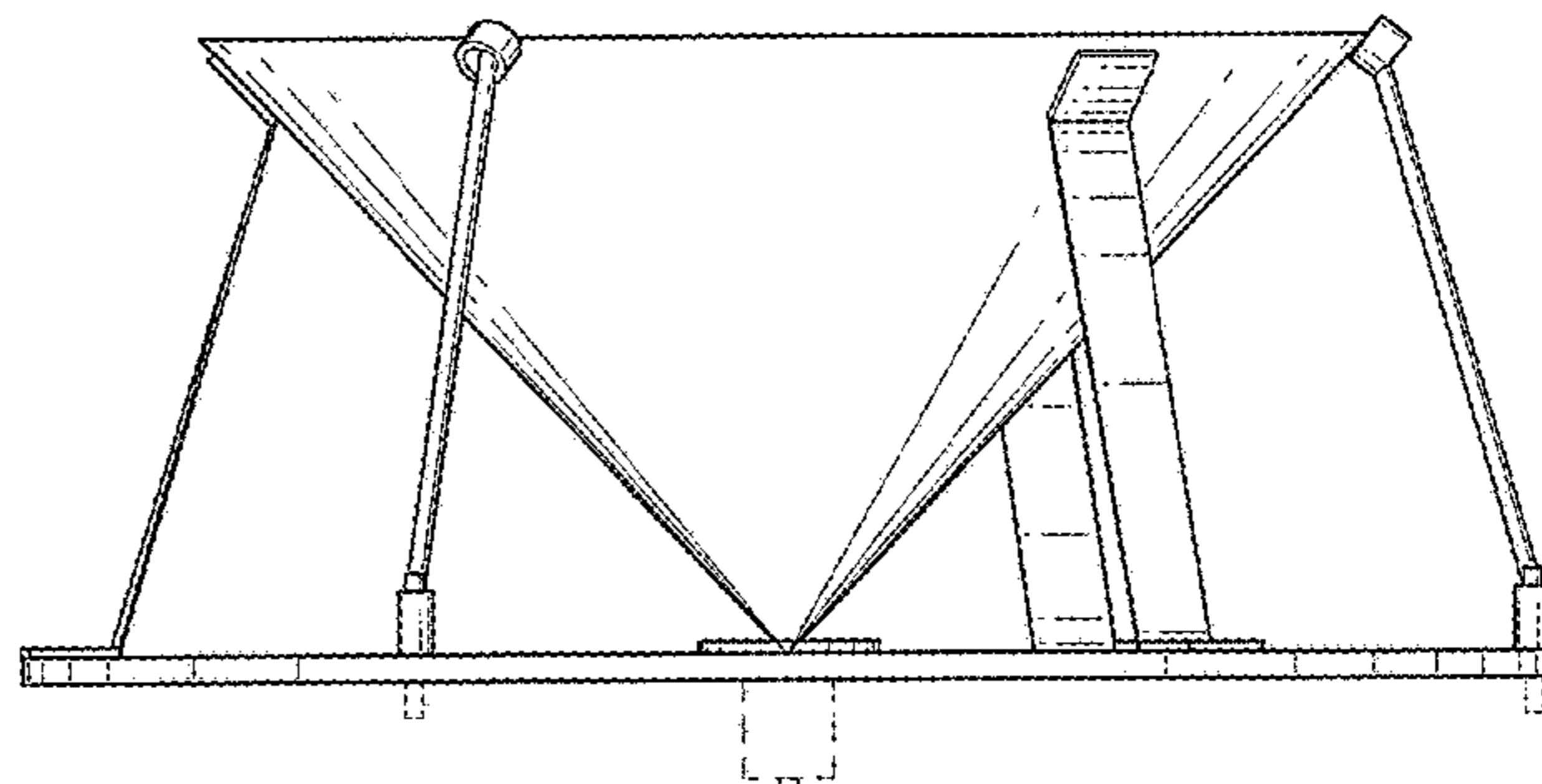
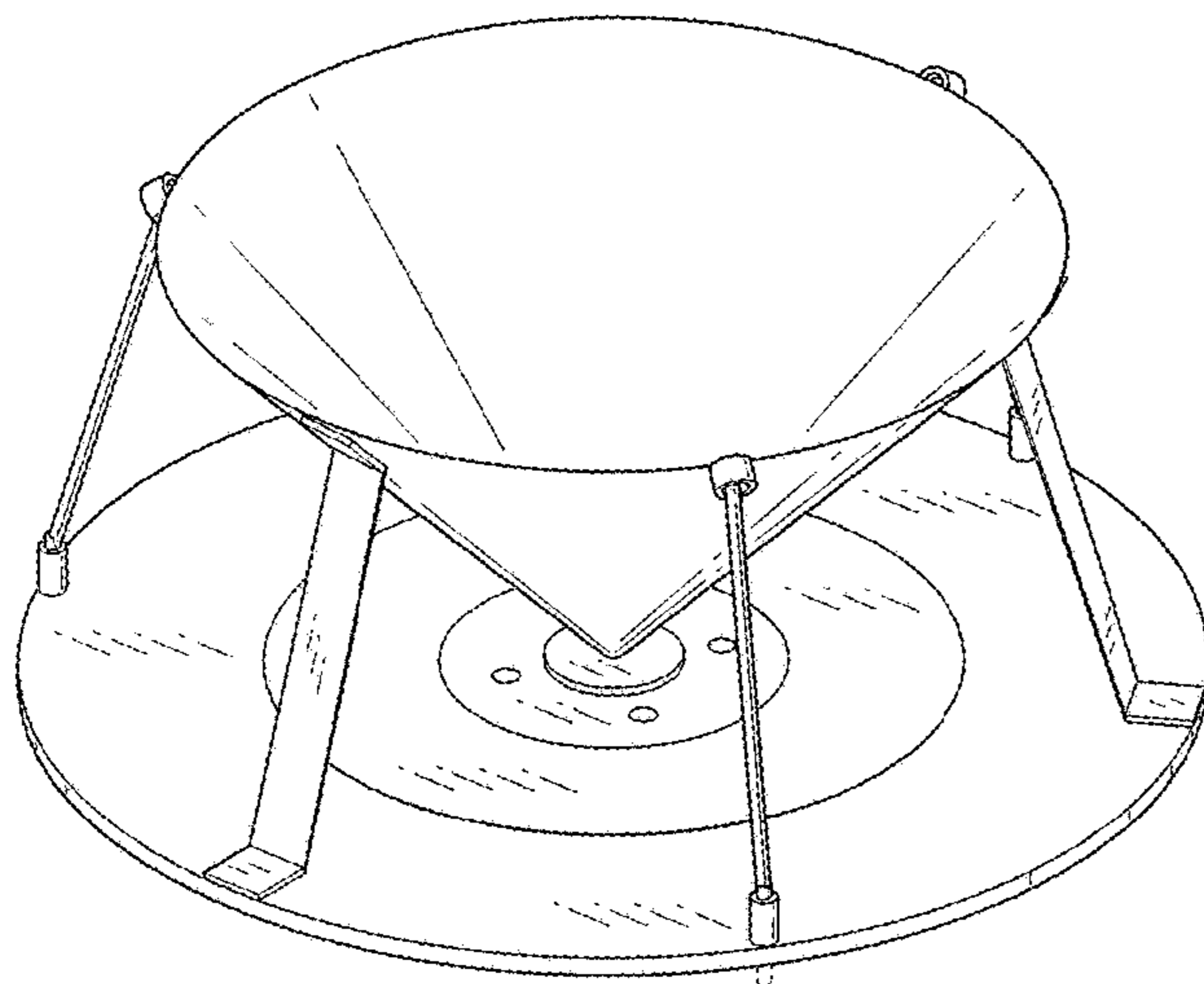
The ornamental design for an ultra-wideband unipole antenna, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an ultra-wideband unipole antenna showing our new design; FIG. 2 is a rear elevational view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a top view thereof; FIG. 5 is a bottom view thereof; FIG. 6 is a right view thereof; and, FIG. 7 is a left view thereof. The broken line showing of the coaxial cable in FIGS. 2, 3 and 5-7 is for illustrative purposes only and forms no part of the claimed design. Additionally, the broken line showing of the attachment screws of FIGS. 1-3 and 5-7 is for illustrative purposes only and forms no part of the claimed design.

**1 Claim, 7 Drawing Sheets**

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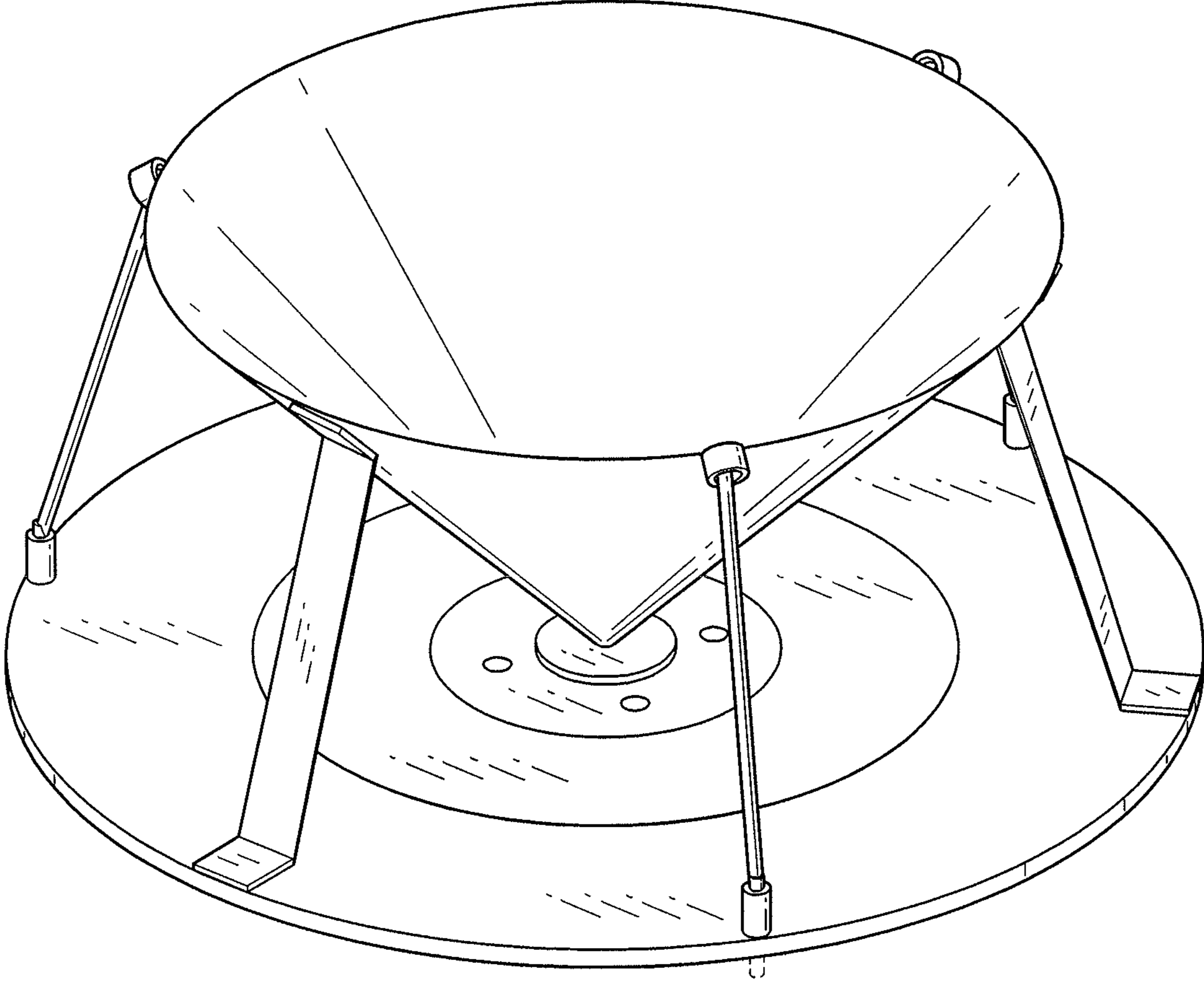
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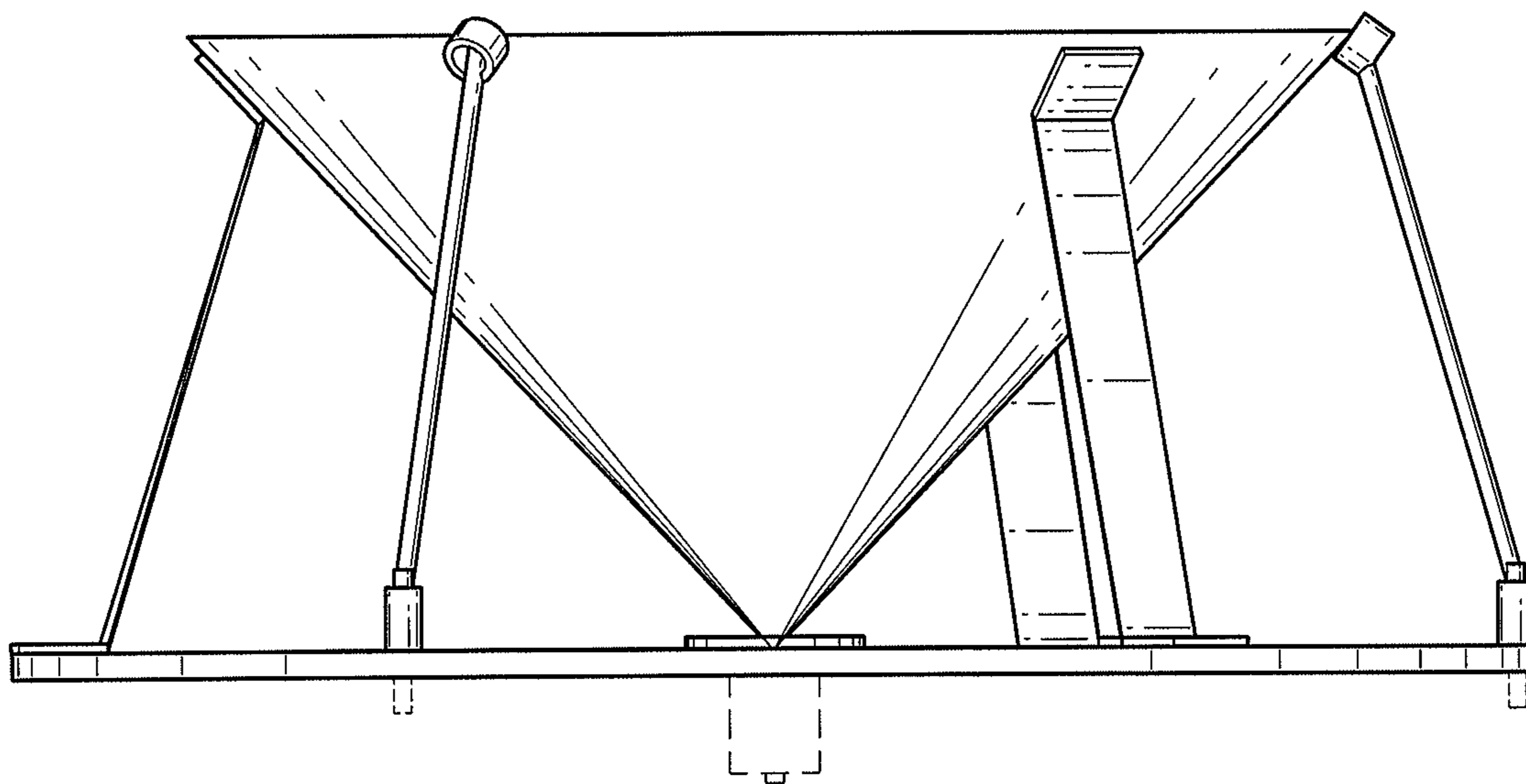
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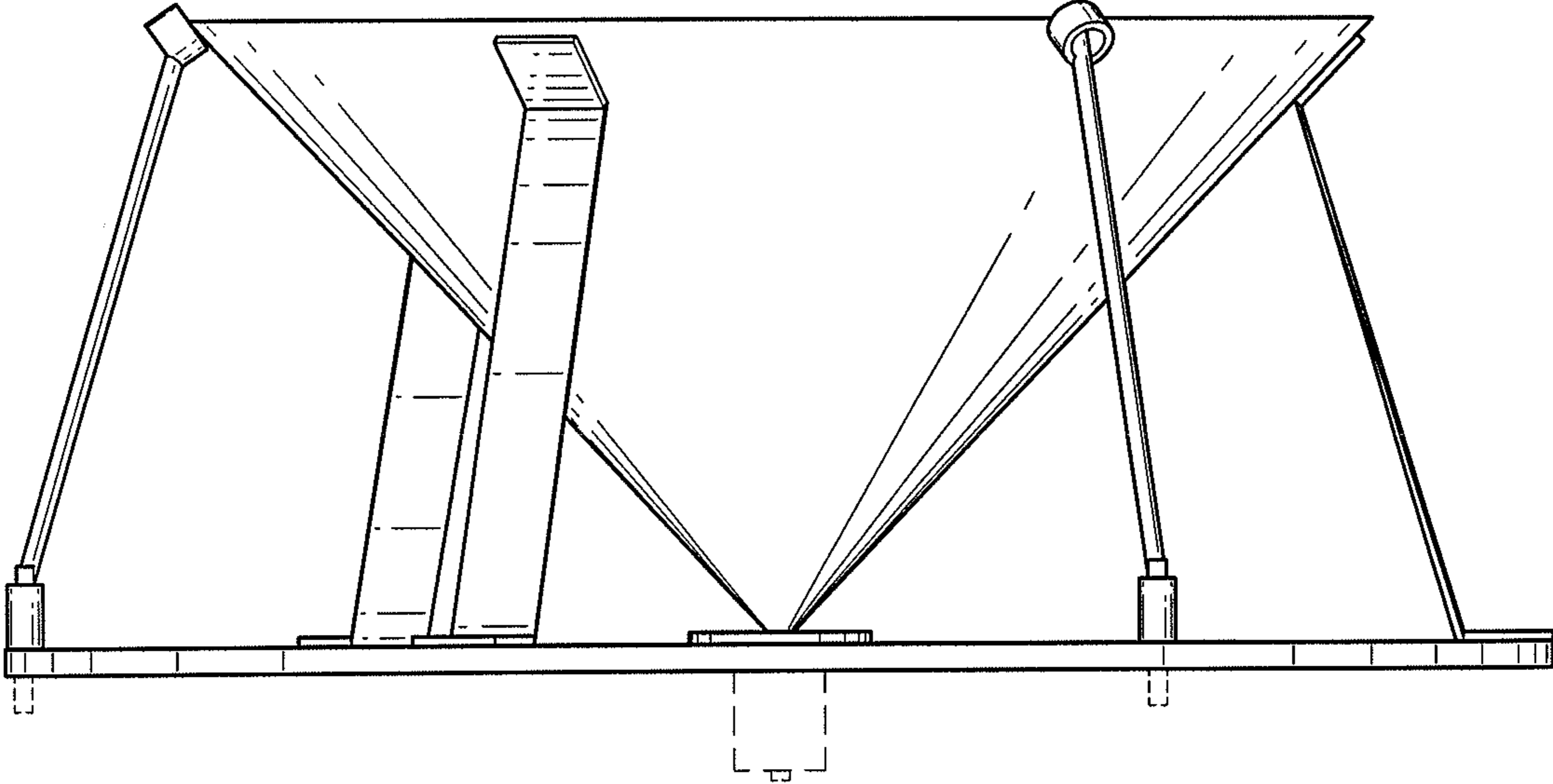
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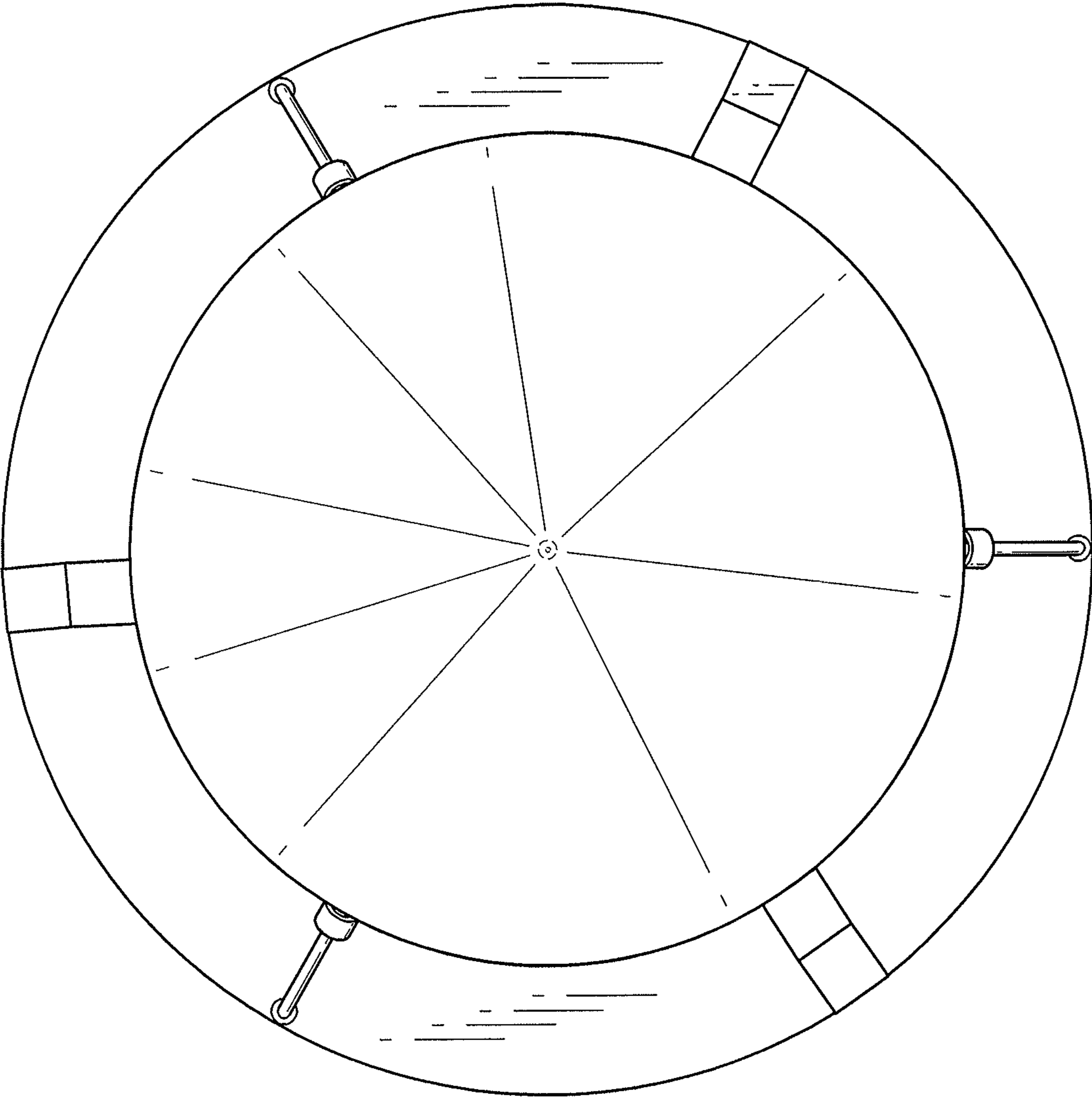
**FIG. 1**



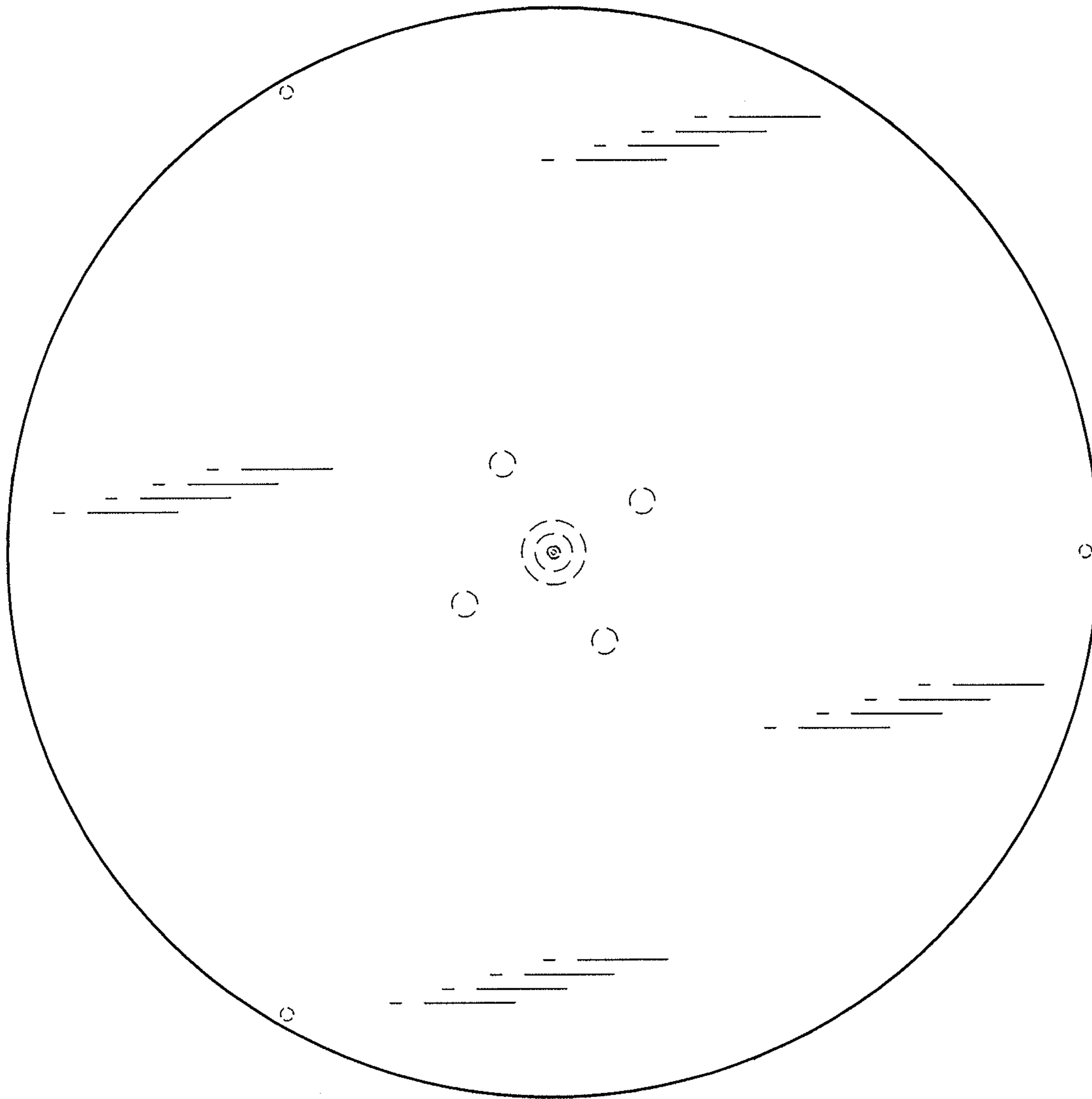
**FIG. 2**



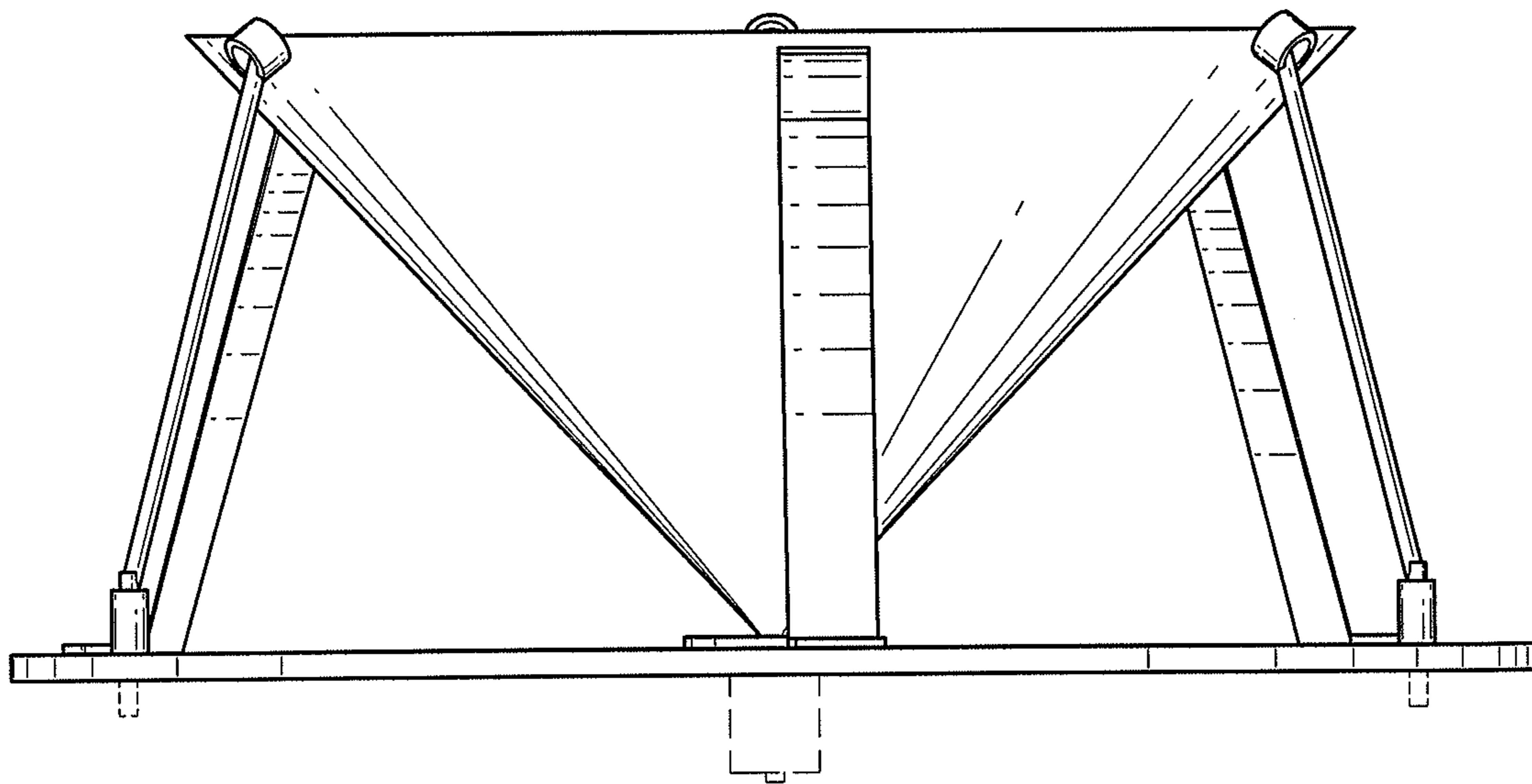
**FIG. 3**



**FIG. 4**

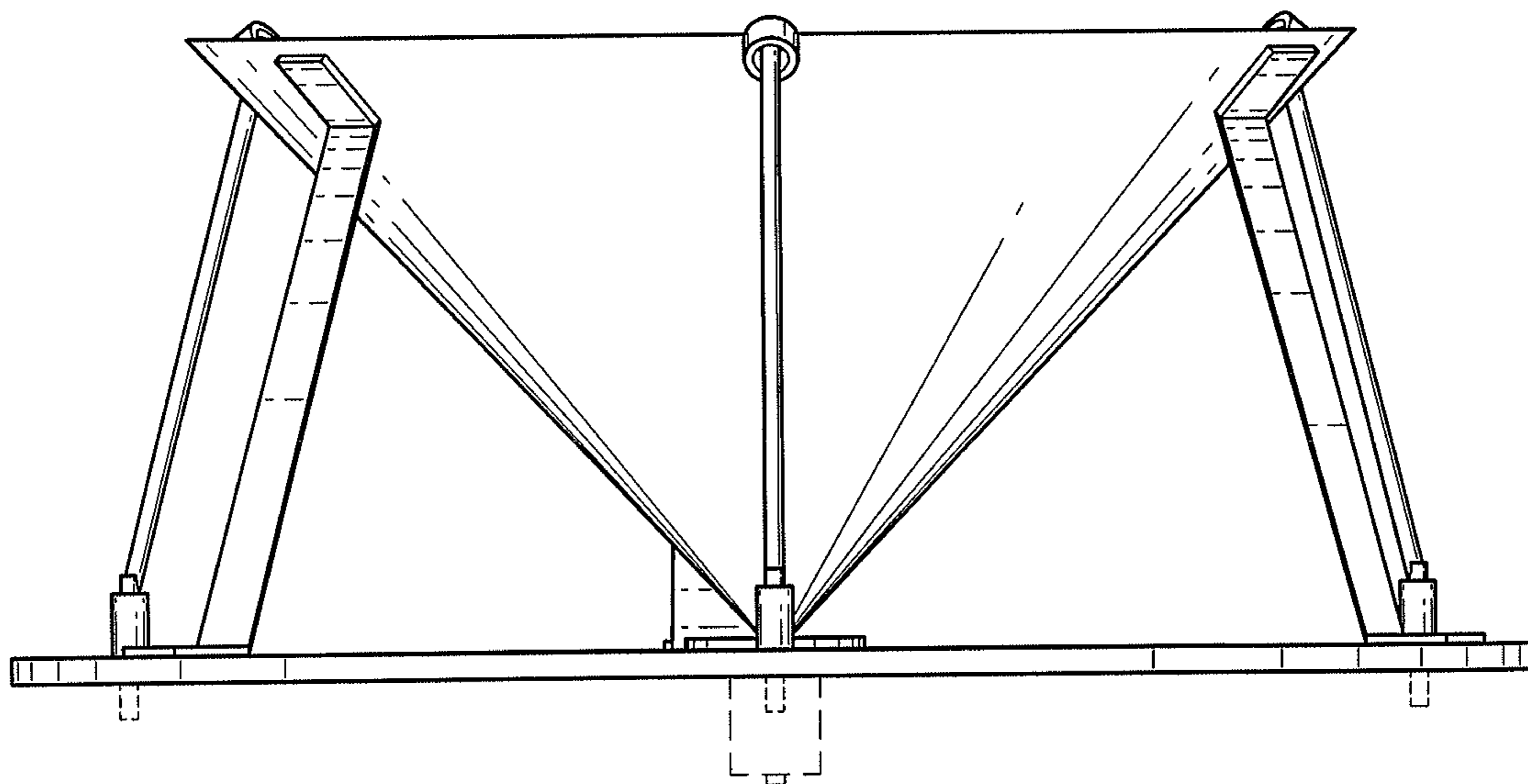


**FIG. 5**



**FIG. 6**





**FIG. 7**