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

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(45) **Date of Patent:** **\*\* May 26, 2009**

(54) **ANTENNA TIP-OVER MOUNT**

2007/0052604 A1\* 3/2007 Young et al. .... 343/757  
2007/0132655 A1\* 6/2007 Lin ..... 343/880  
2008/0165076 A1\* 7/2008 Pan ..... 343/882

(75) Inventors: **John J. Schmitz**, Macomb, MI (US);  
**Robert G. Washburn**, Sterling Heights,  
MI (US)

**OTHER PUBLICATIONS**

Previously Used Antenna Tip-over Mount, circa 2005.

(73) Assignee: **The United States of America as  
represented by the Secretary of the  
Army**, Washington, DC (US)

\* cited by examiner

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

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(21) Appl. No.: **29/317,261**

(22) Filed: **Apr. 25, 2008**

(57) **CLAIM**

(51) **LOC (9) Cl.** ..... **14-03**

The ornamental design for an antenna tip-over mount, as  
shown and described.

(52) **U.S. Cl.** ..... **D14/238**

(58) **Field of Classification Search** ..... D14/230–238;  
D10/104; 343/888, 805, 882, 872, 873, 878,  
343/793, 741

**DESCRIPTION**

See application file for complete search history.

The invention described here may be made, used and licensed  
by and for the U.S. Government for governmental purposes  
without paying royalty to us.

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FIG. 1 is a front, top, and left side perspective view of an  
antenna tip-over mount in accordance with the present inven-  
tion wherein the mount in an un-tipped, upright position is  
illustrated;

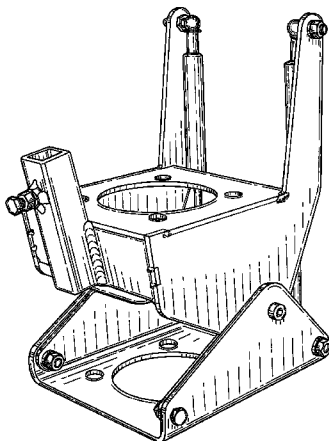
FIG. 2 is a front, top, and right side perspective view of the  
antenna tip-over mount wherein the mount in an un-tipped,  
upright position, and implemented in a typical vehicle envi-  
ronment is illustrated;

FIG. 3 is a rear, top, and left side perspective view of the  
antenna tip-over mount wherein the mount in an un-tipped,  
upright position is illustrated;

FIG. 4 is a rear, top, and right side perspective view of the  
antenna tip-over mount wherein the mount in a partially-  
tipped, intermediate tilted position is illustrated;

FIG. 5 is a rear, top, and right side perspective view of the  
antenna tip-over mount wherein the mount in a fully-tipped,  
completely tilted down position is illustrated;

FIG. 6 is a front, top, and left side perspective view of the  
antenna tip-over mount wherein the mount in an un-tipped,  
upright position, and an example of a multiple antenna array



## Report Documentation Page

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1. REPORT DATE <b>26 MAY 2009</b>	2. REPORT TYPE <b>N/A</b>	3. DATES COVERED <b>-</b>			
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		5c. PROGRAM ELEMENT NUMBER			
6. AUTHOR(S) <b>John J. Schmitz; Robert G. Washburn</b>		5d. PROJECT NUMBER			
		5e. TASK NUMBER			
		5f. WORK UNIT NUMBER			
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a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>			

attached to the top of the mount via two height extensions and a protector rod installed in the front of the mount is illustrated;

FIG. 7 is a front, top, and left side perspective view of the antenna tip-over mount wherein the mount in an un-tipped, upright position, and an example of a single large-bodied antenna attached to the top of the mount and the protector rod installed in the front of the mount is illustrated;

FIG. 8 is a front, top, and left side perspective view of the antenna tip-over mount wherein the mount in an un-tipped, upright position, and an example of a height extension attached to the base of the mount is illustrated;

FIG. 9 is a top plan view of the antenna tip-over wherein the mount in an un-tipped, upright position is illustrated;

FIGS. 10 is a bottom plan view of the antenna tip-over wherein the mount in an un-tipped, upright position is illustrated;

FIG. 11 is a front side elevation view of the antenna tip-over mount wherein the mount in an un-tipped, upright position is illustrated;

FIG. 12 is a rear side elevation view of the antenna tip-over mount wherein the mount in an un-tipped, upright position is illustrated;

FIG. 13 is a right side elevation view of the antenna tip-over mount wherein the mount in an un-tipped, upright position is illustrated; and,

FIG. 14 is a left side elevation view of the antenna tip-over mount wherein the mount in an un-tipped, upright position is illustrated.

The broken lines depict environmental structure illustrating the design in a variety of conditions of use. The broken lines and structure they depict form no part of the claimed design.

**1 Claim, 14 Drawing Sheets**

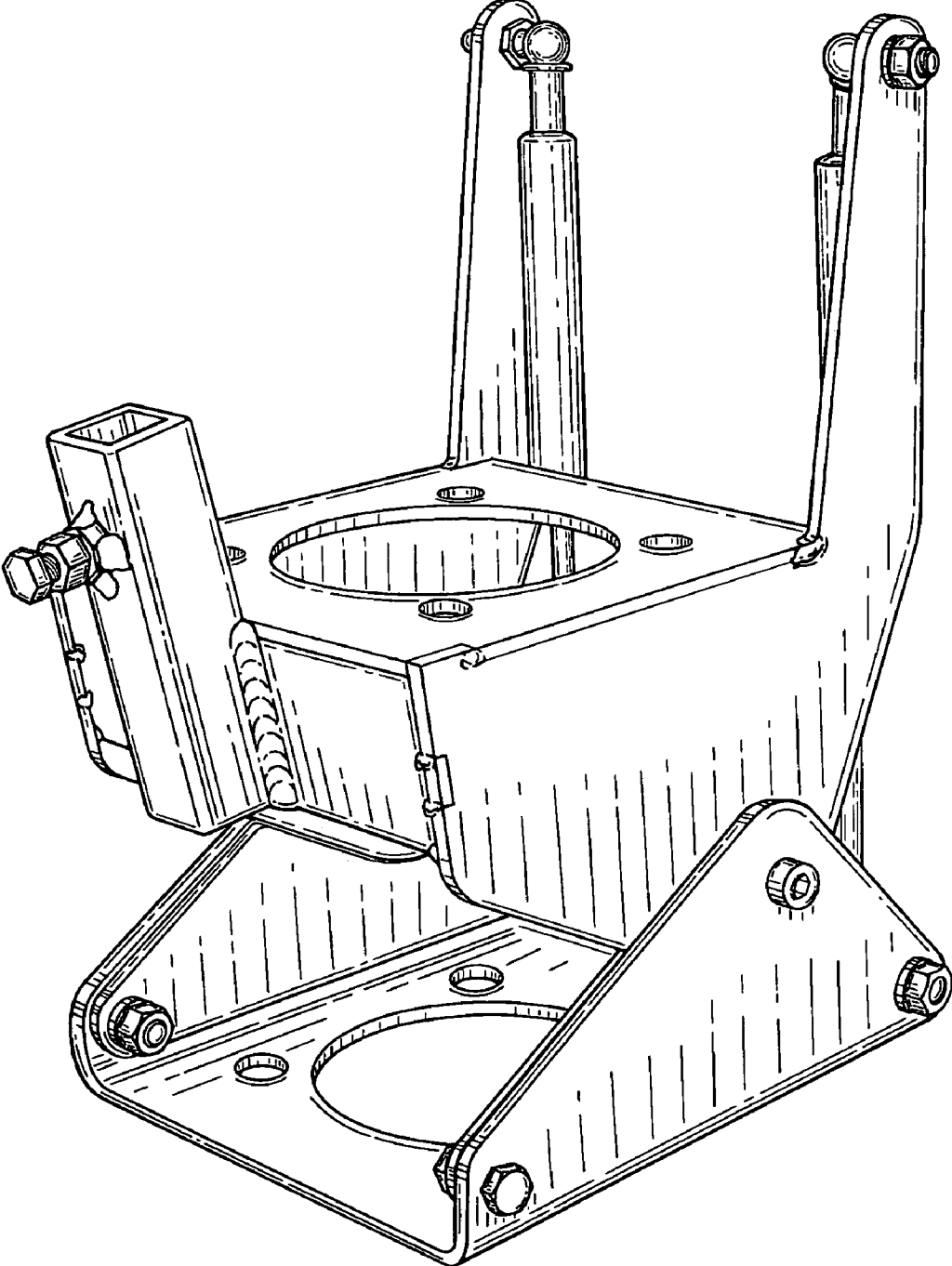


Fig. 1

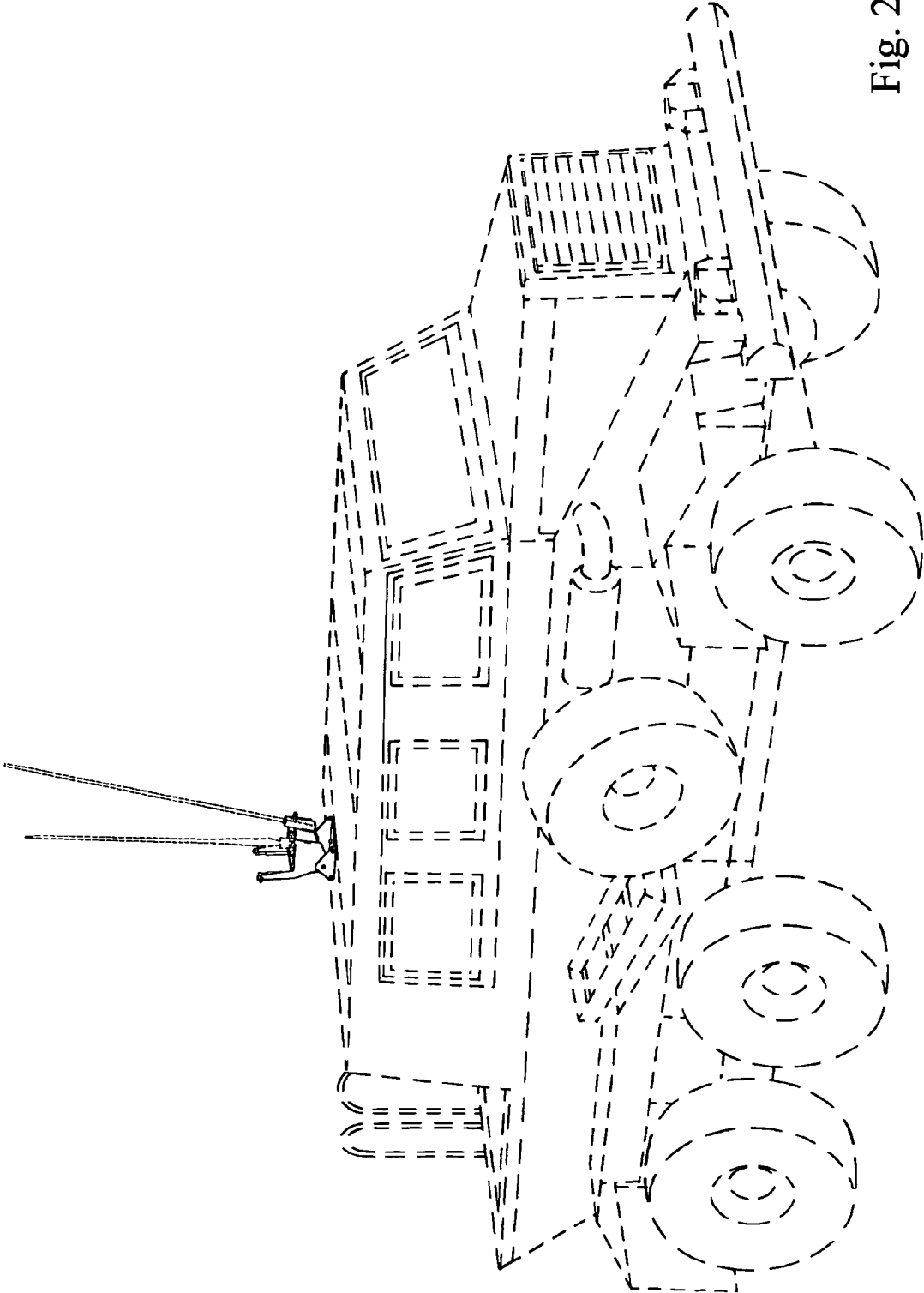


Fig. 2

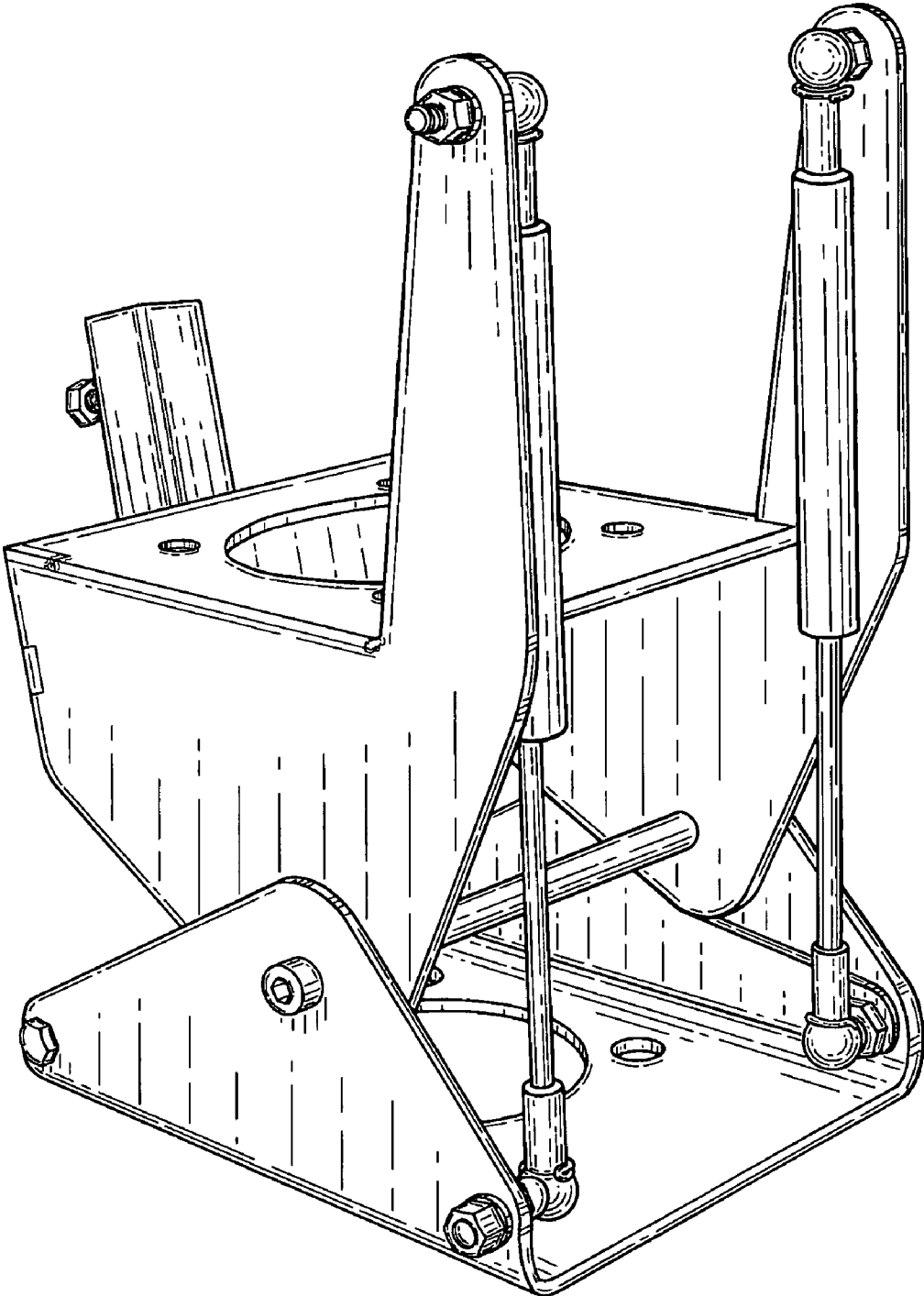


Fig. 3

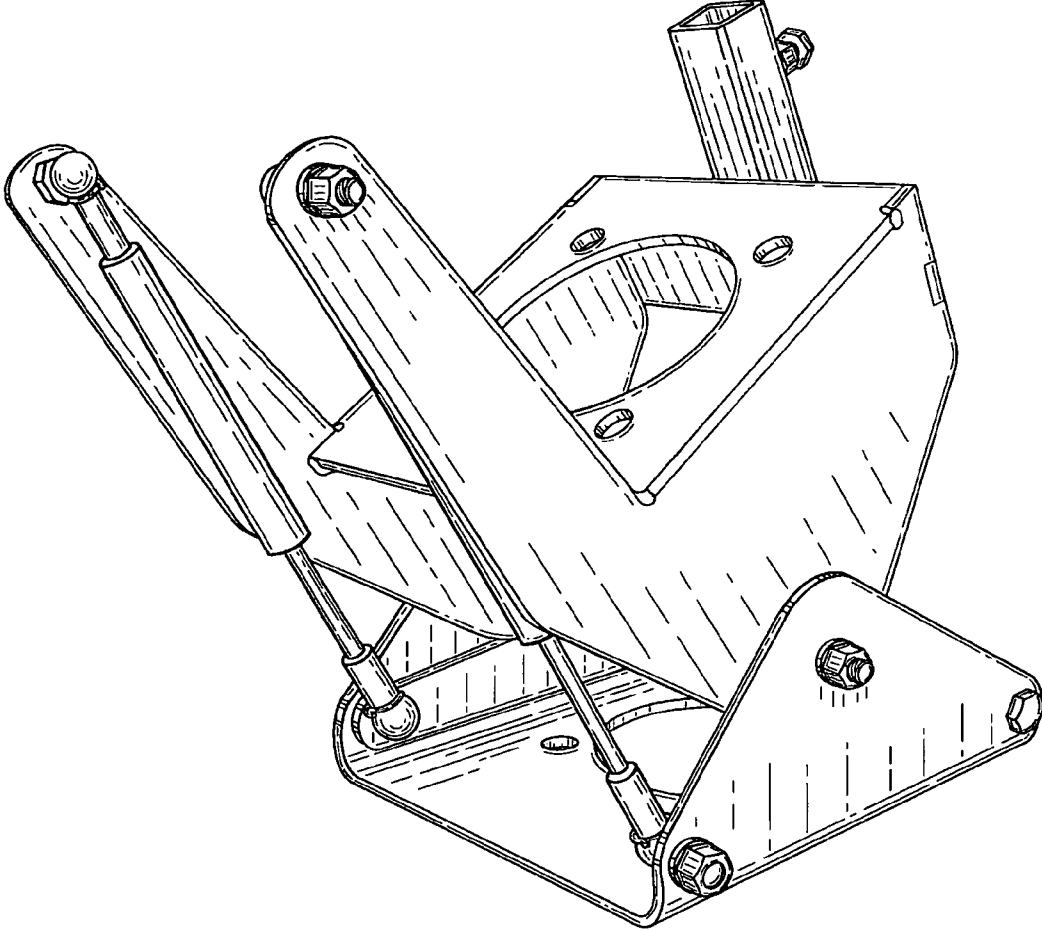


Fig. 4

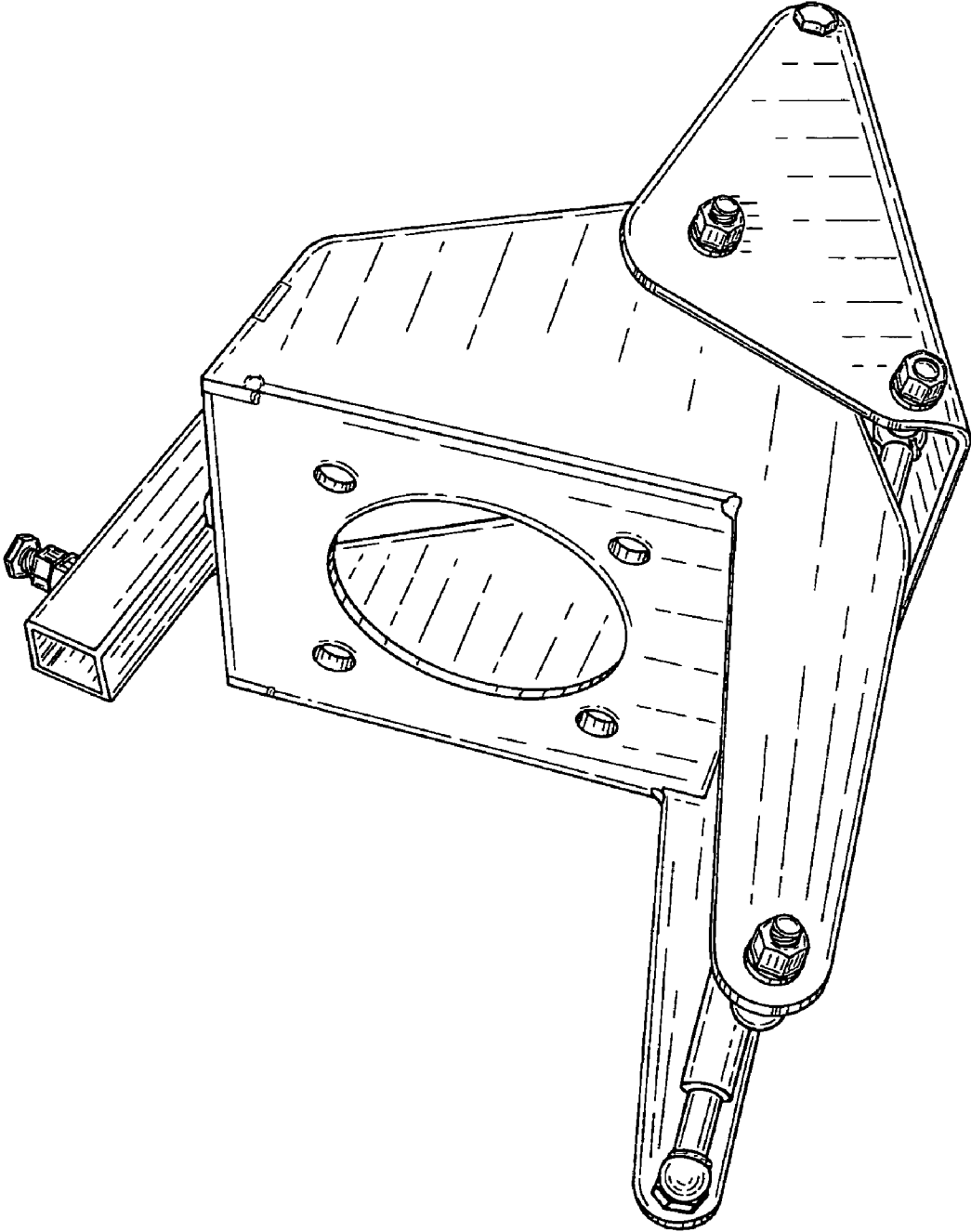


Fig. 5



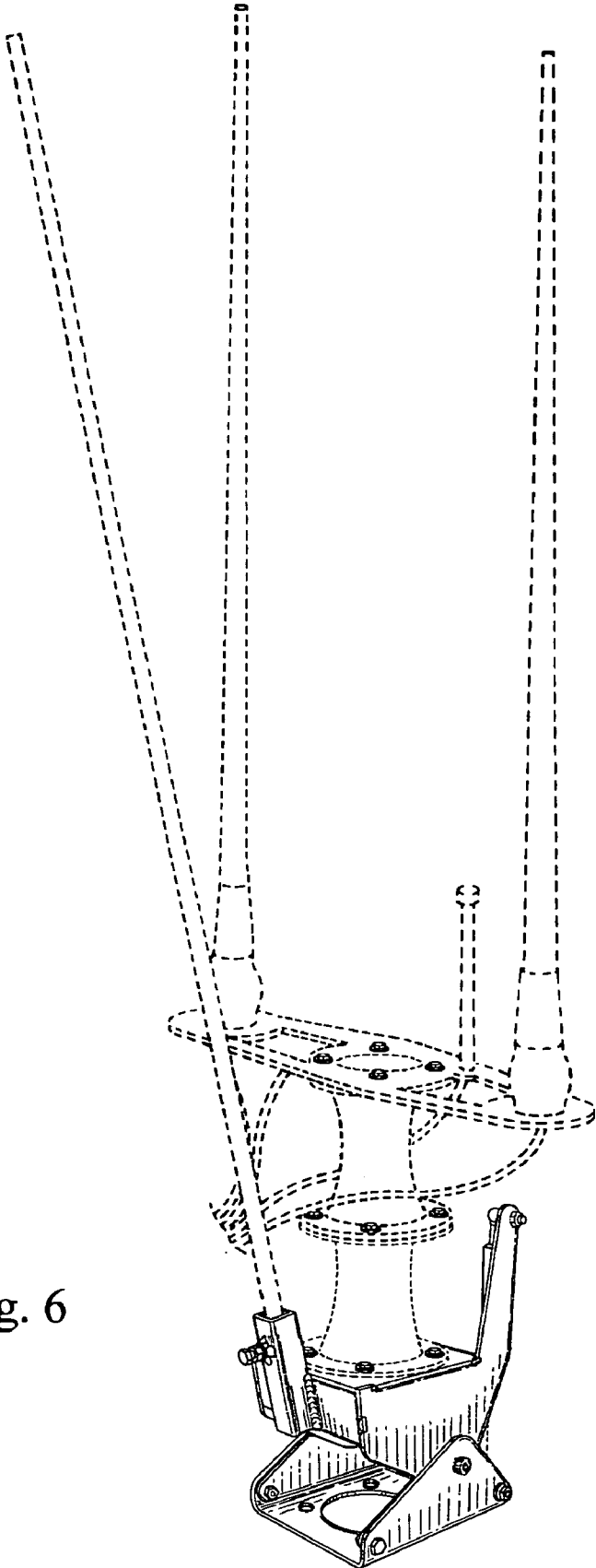


Fig. 6

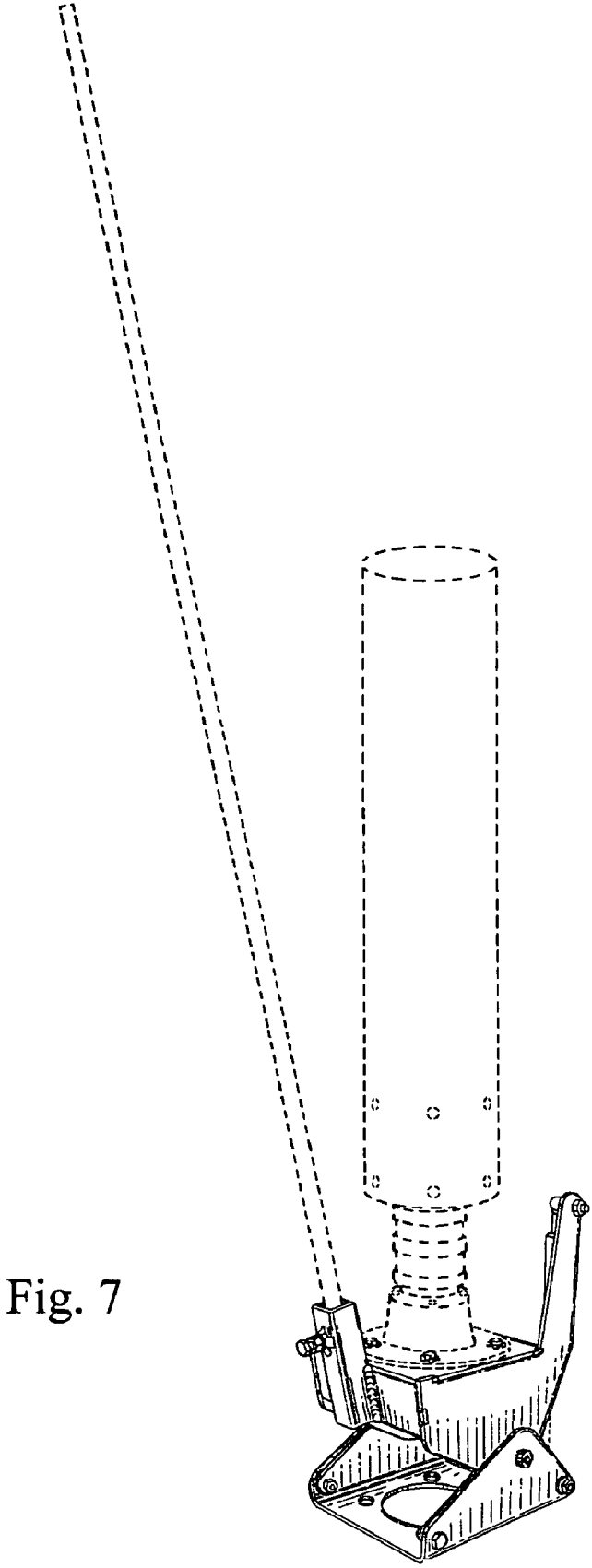


Fig. 7

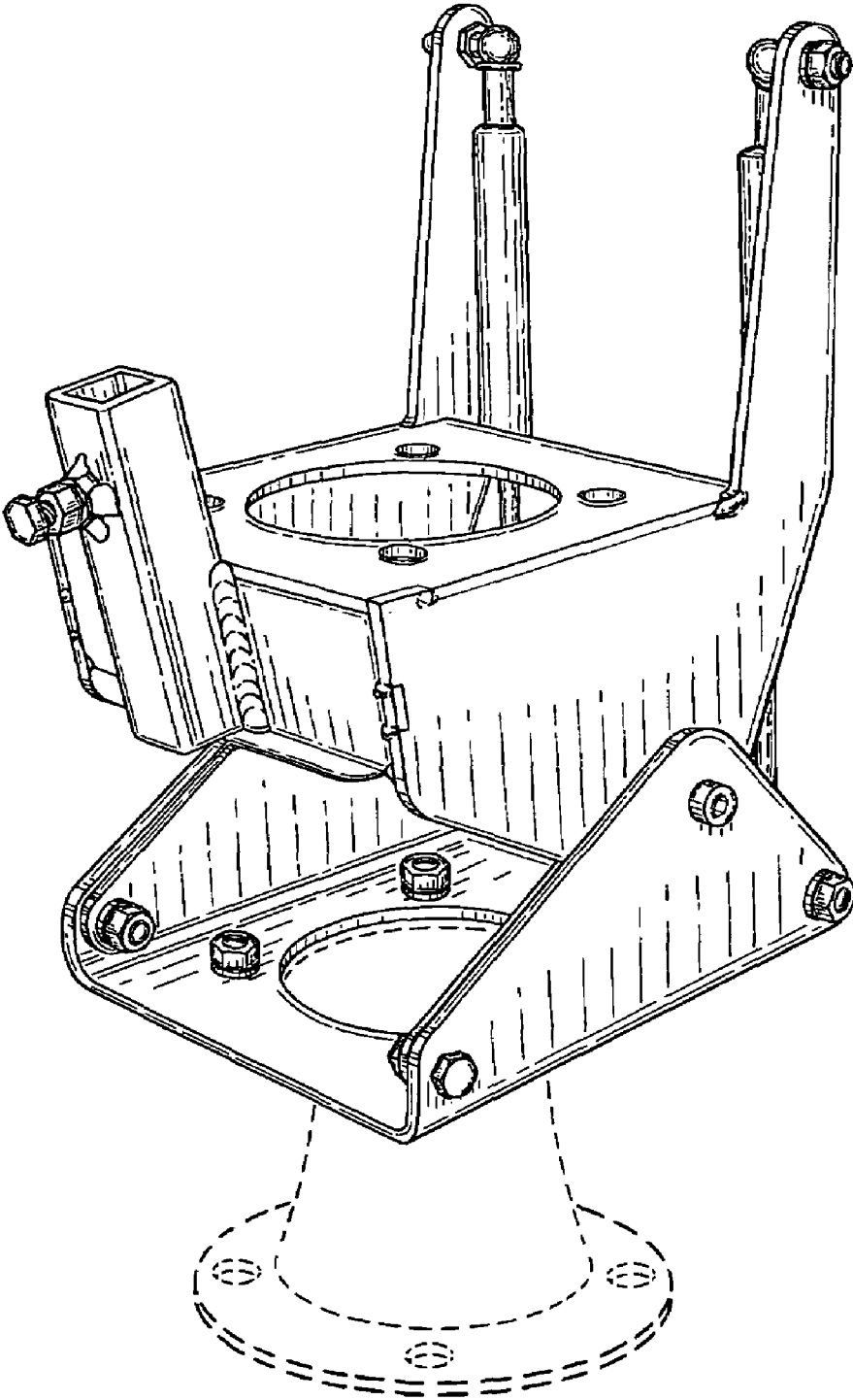


Fig. 8

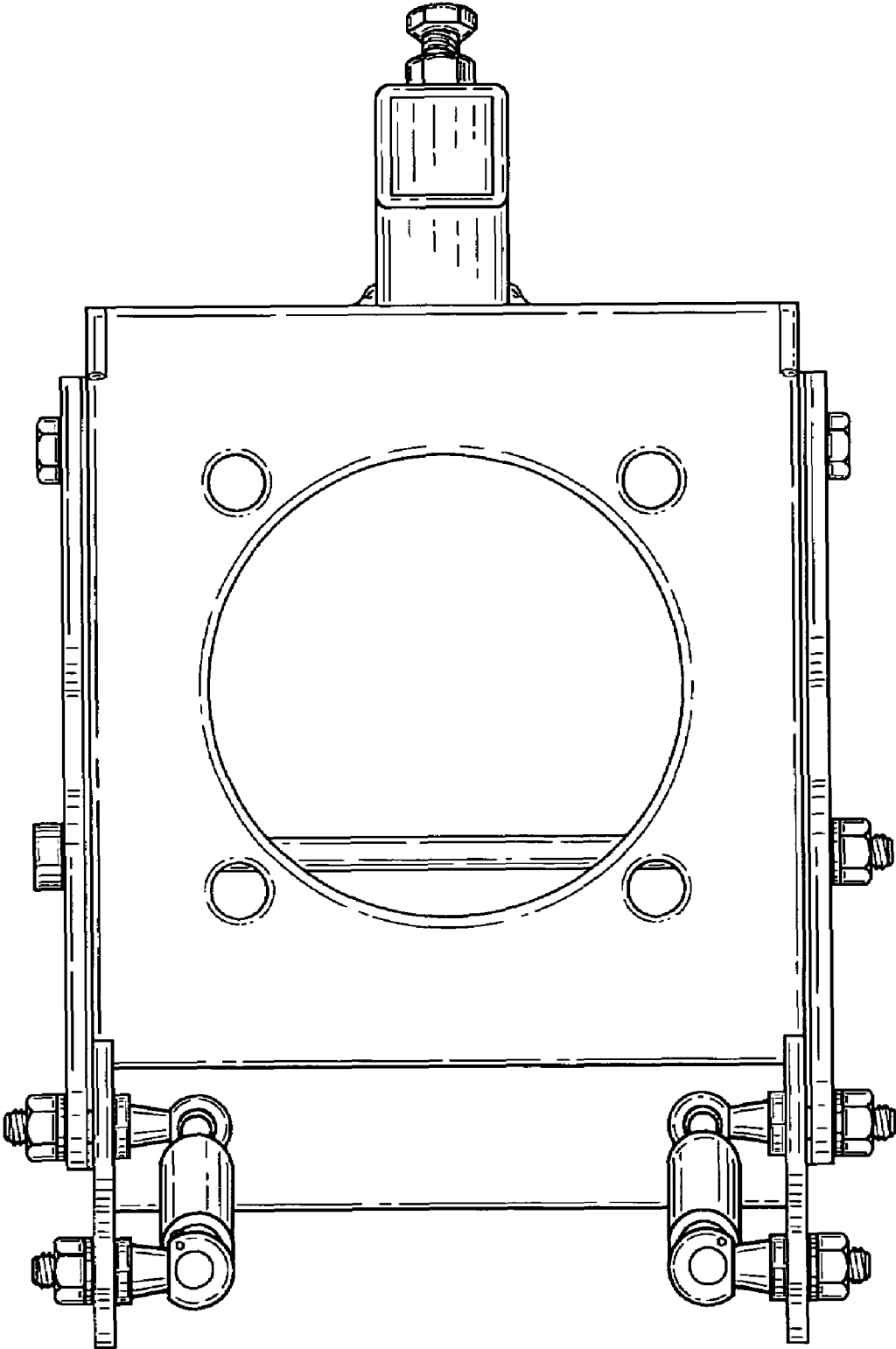


Fig. 9

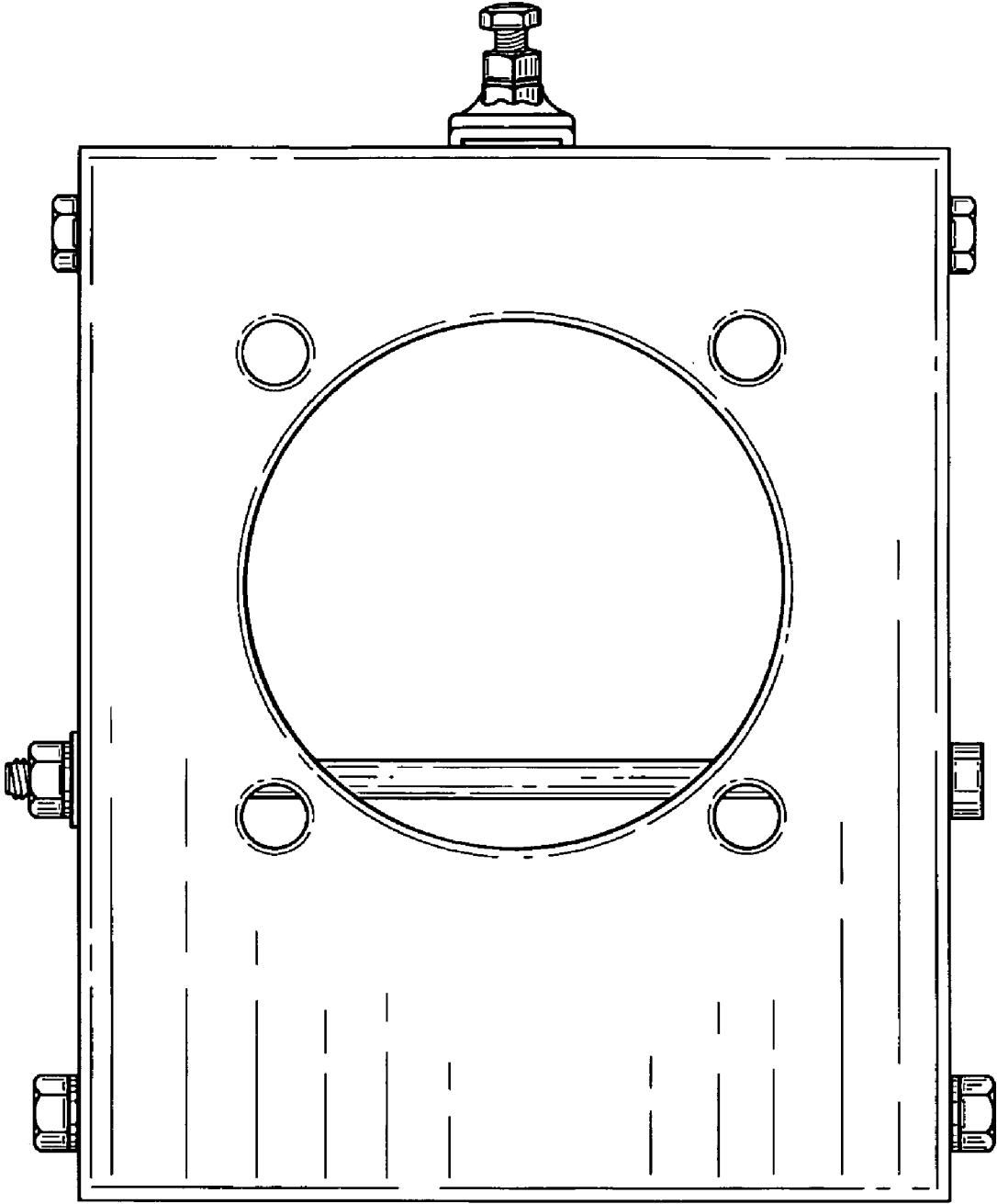


Fig. 10

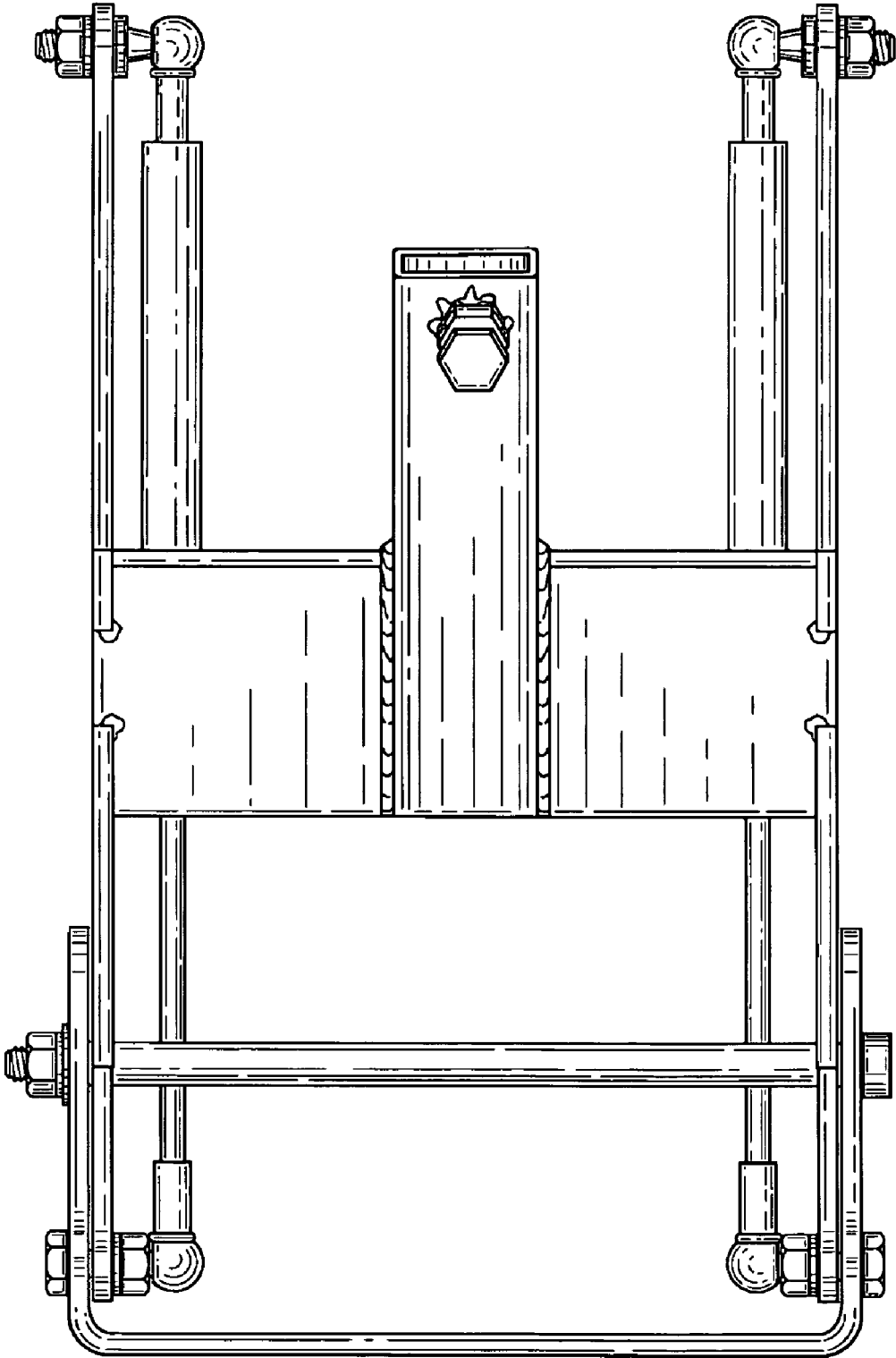


Fig. 11

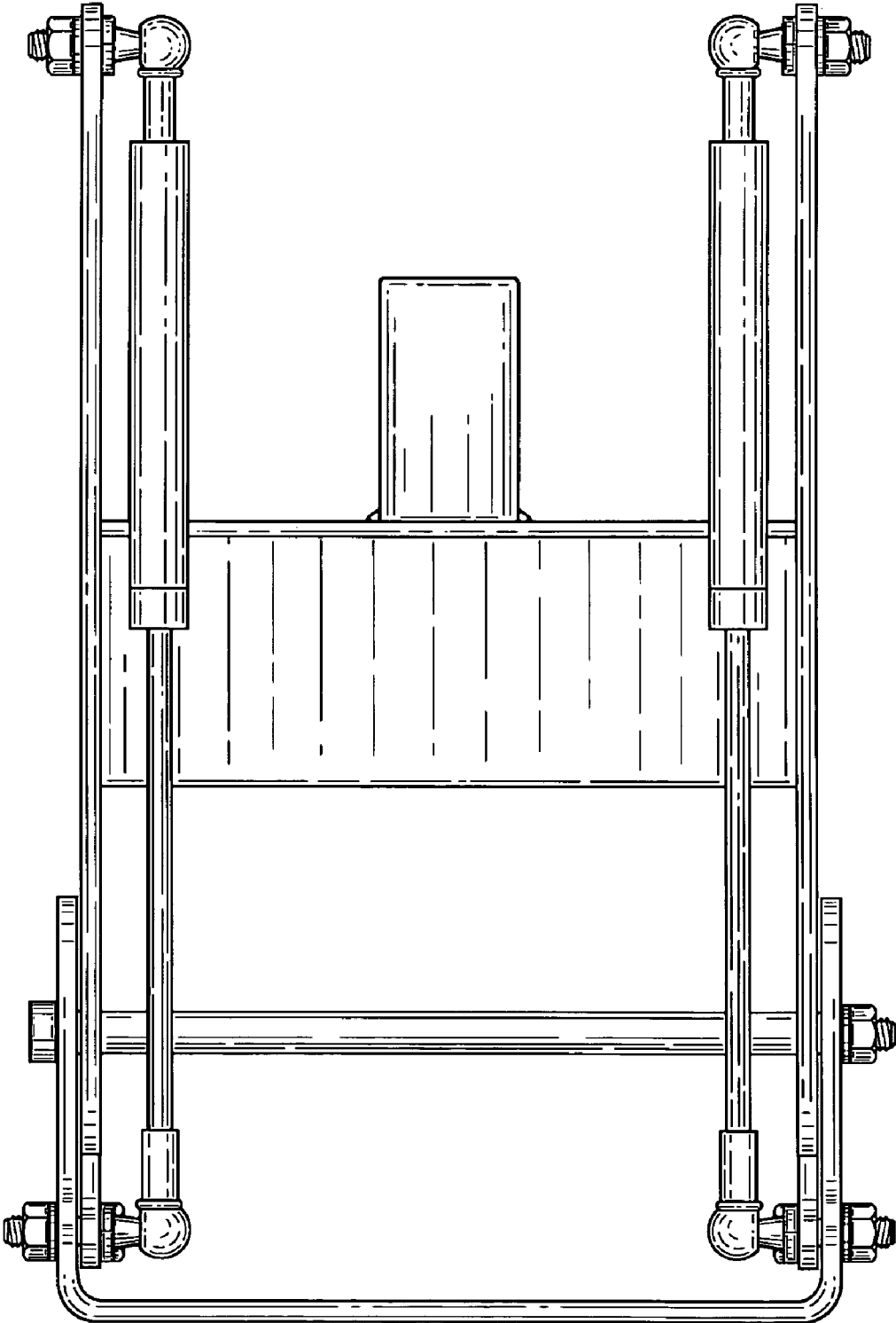


Fig. 12

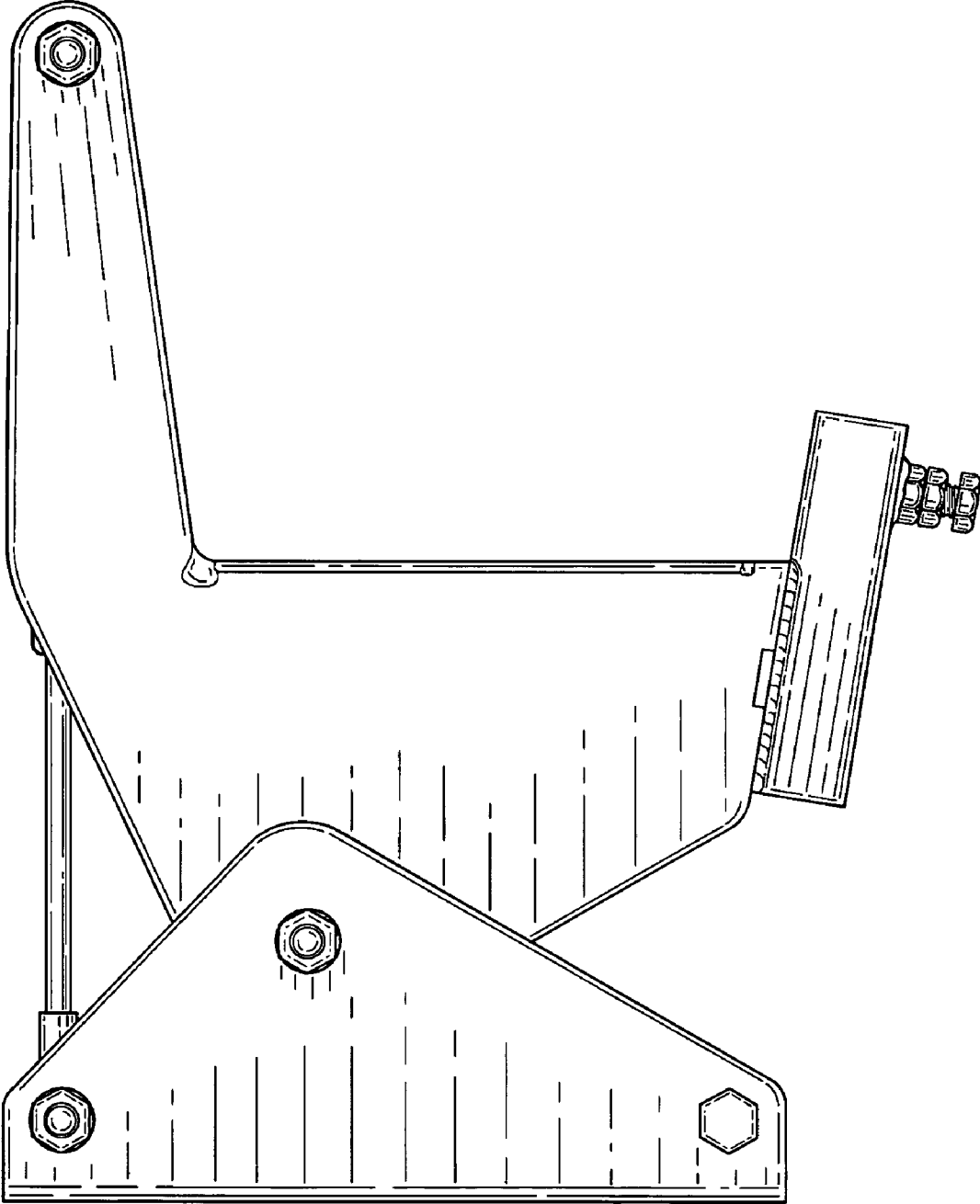


Fig. 13



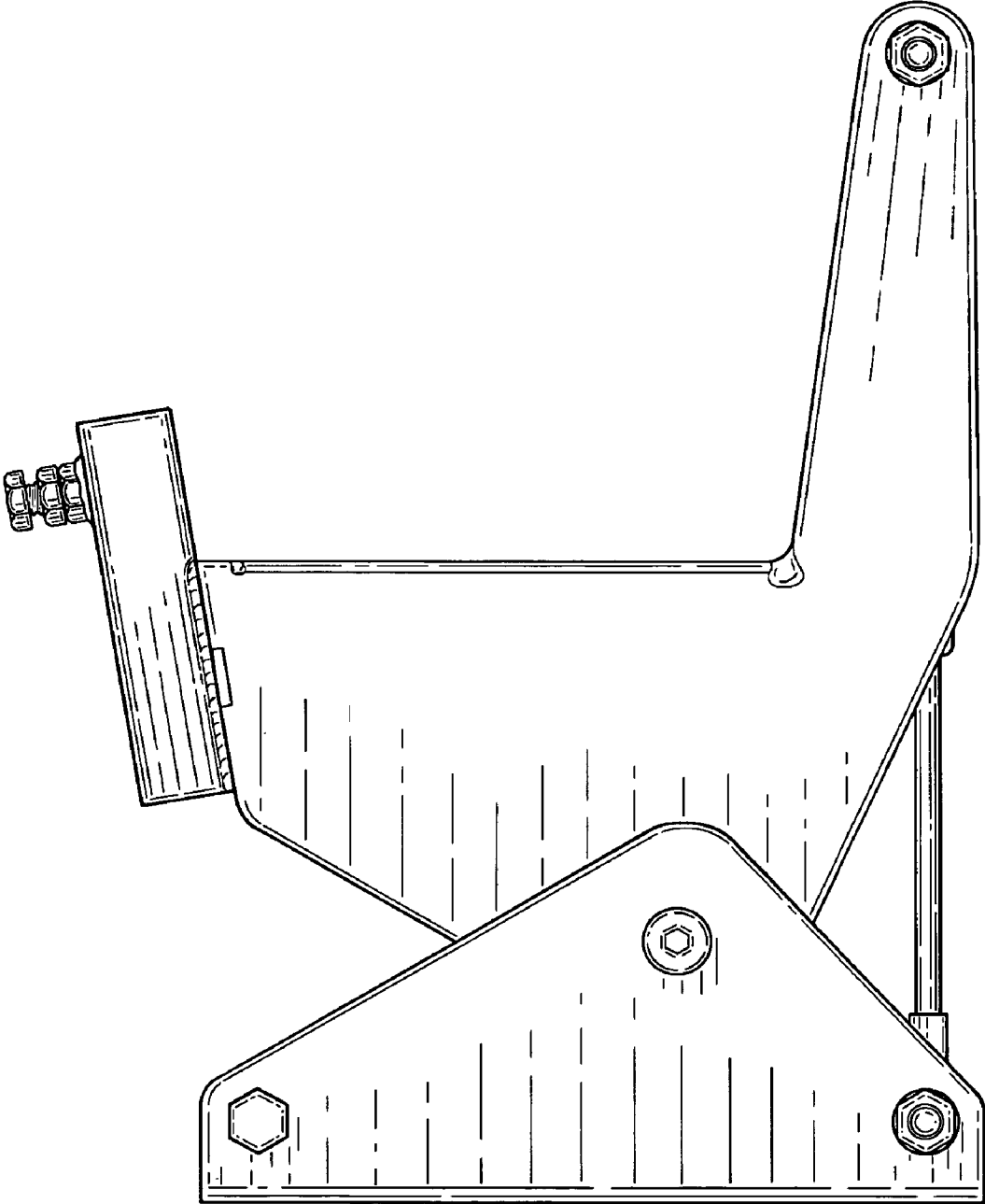


Fig. 14