



US00D698621S

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

(10) **Patent No.:** **US D698,621 S**
(45) **Date of Patent:** **** Feb. 4, 2014**

(54) **DOUBLE SHACKLE WITH UNITARY RIGID BODY**

5,433,547 A 7/1995 Hart et al.
5,642,635 A * 7/1997 Wen-Chyun 70/46
5,687,701 A * 11/1997 Henry 124/1

(Continued)

(71) Applicants: **Darrell A. Moreau**, Manchester, NH (US); **Andre W. Moreau**, Spring Hill, FL (US)

OTHER PUBLICATIONS

[Author unknown], Hammerlock Link Specification Sheet (as available Dec. 18, 2012).

(Continued)

(72) Inventors: **Darrell A. Moreau**, Manchester, NH (US); **Andre W. Moreau**, Spring Hill, FL (US)

Primary Examiner — Prabhakar Deshmukh

(73) Assignee: **Ty-Flot, Inc.**, Manchester, NH (US)

(74) *Attorney, Agent, or Firm* — Mesmer & Deleault, PLLC

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

(57) **CLAIM**

We claim the ornamental design for a double shackle with unitary rigid body, as shown and described.

(21) Appl. No.: **29/440,336**

DESCRIPTION

(22) Filed: **Dec. 20, 2012**

(51) **LOC (10) Cl.** **08-07**

(52) **U.S. Cl.**
USPC **D8/333**; D8/339; D8/334

(58) **Field of Classification Search**
USPC D8/330, 331, 334, 333, 343; 70/14, 20, 70/21, 22, 31, 51, 57.1, 233, 465, DIG. 3, 70/DIG. 4; 292/246, 70, 288

See application file for complete search history.

FIG. 1 is a front and left perspective view of a double shackle with unitary rigid body showing our new design;
FIG. 2 is a front and right perspective view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a front elevational view thereof;
FIG. 6 is a left side elevational view thereof;
FIG. 7 is a front and left perspective view thereof, shown with a rigid body and without the pin;
FIG. 8 is a front and right perspective view thereof, shown with a rigid body and without the pin;
FIG. 9 is a front elevational view of a pin, shown separately for clarity of illustration;
FIG. 10 is a left side elevational of FIG. 9;
FIG. 11 is a front and left perspective view of FIG. 9;
FIG. 12 is a front and right side perspective view of FIG. 9;
FIG. 13 is a right side elevational view of FIG. 9;
FIG. 14 is a front and left perspective view of a second embodiment of FIG. 1; and,
FIG. 15 is a front and left perspective view of a third embodiment of FIG. 1.

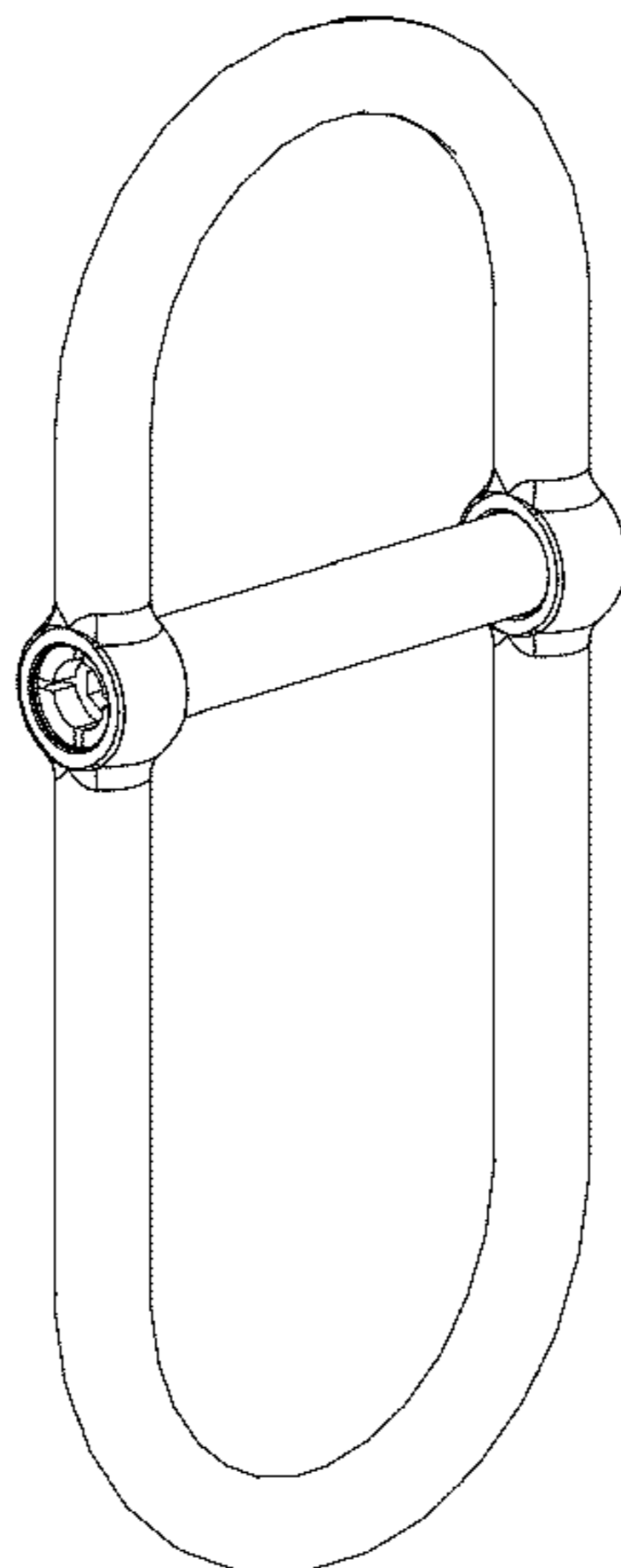
The rigid body in FIGS. 7 and 8 and pin in FIGS. 9-13 of the claimed design are shown separately for clarity of illustration.

(56) **References Cited**

U.S. PATENT DOCUMENTS

809,511 A	1/1901	Lien	
1,646,546 A	10/1927	Larsen	
2,097,465 A	11/1937	Morrison	
3,274,879 A	9/1966	Poller	
3,754,418 A *	8/1973	Miller	70/18
4,102,124 A *	7/1978	Swager	59/86
5,046,881 A *	9/1991	Swager	403/154
5,114,260 A *	5/1992	Hart et al.	403/24
D351,778 S *	10/1994	Kuo	D8/333

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D391,142 S * 2/1998 Winner D8/333
D398,830 S * 9/1998 Winner D8/333
D433,617 S * 11/2000 Gray, Jr. D8/356
D541,136 S * 4/2007 Whinery D8/333
7,393,033 B1 7/2008 Bisso, IV

OTHER PUBLICATIONS

Columbus McKinnon Corp., CM Herc-Alloy 1000 Hammerlok,
available at <http://www.cmworks.com/ProductDetail.aspx?id=5086>
(as available Jan. 28, 2013).

* cited by examiner

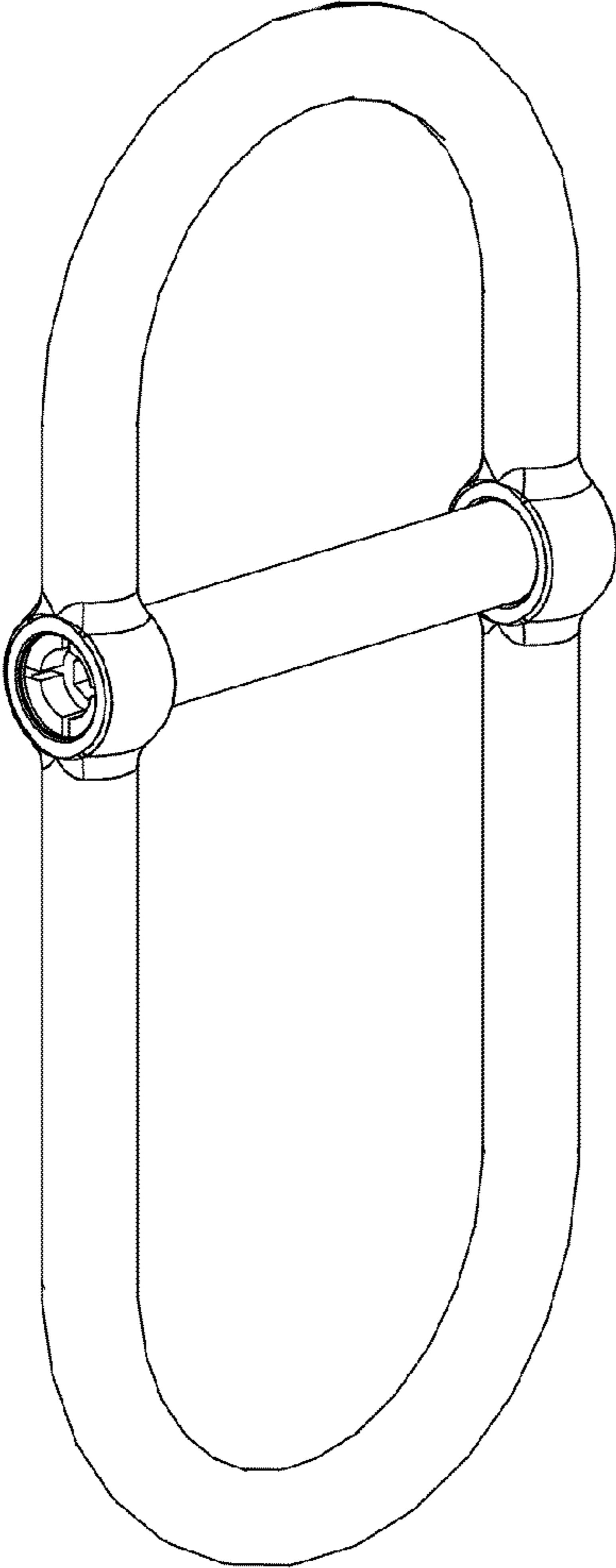


Fig. 1

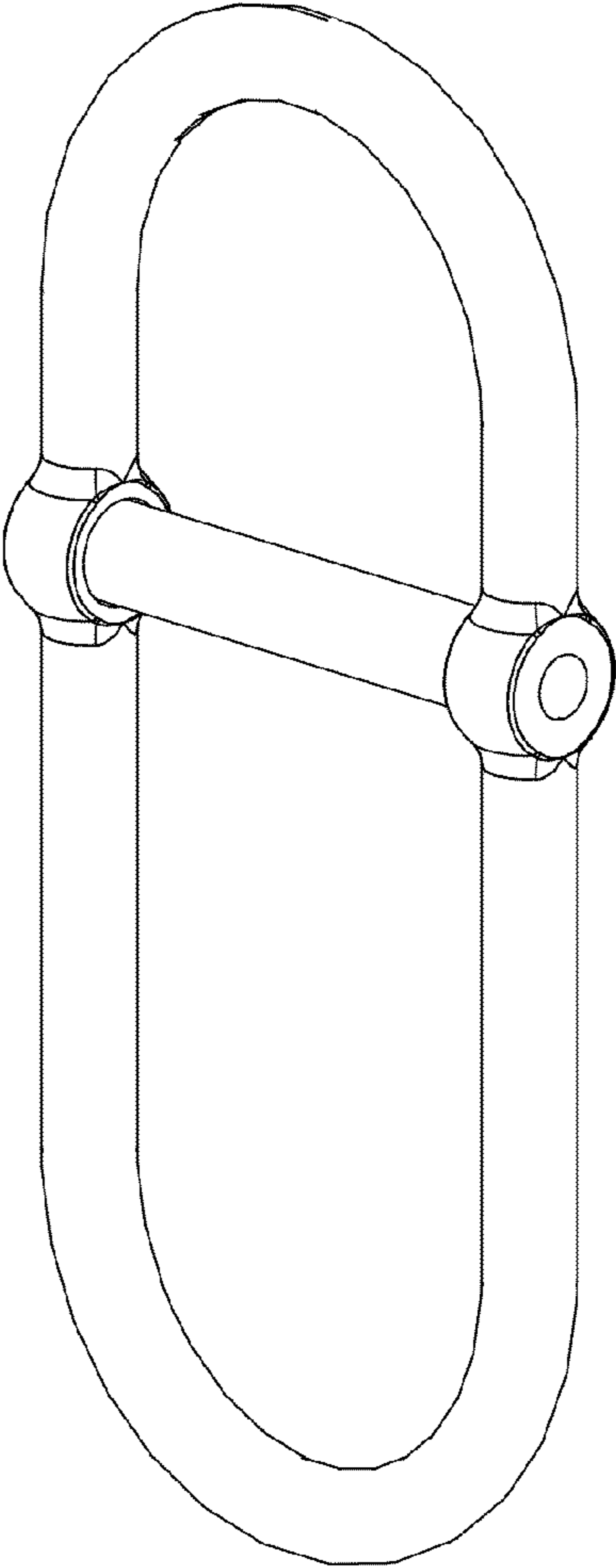


Fig. 2

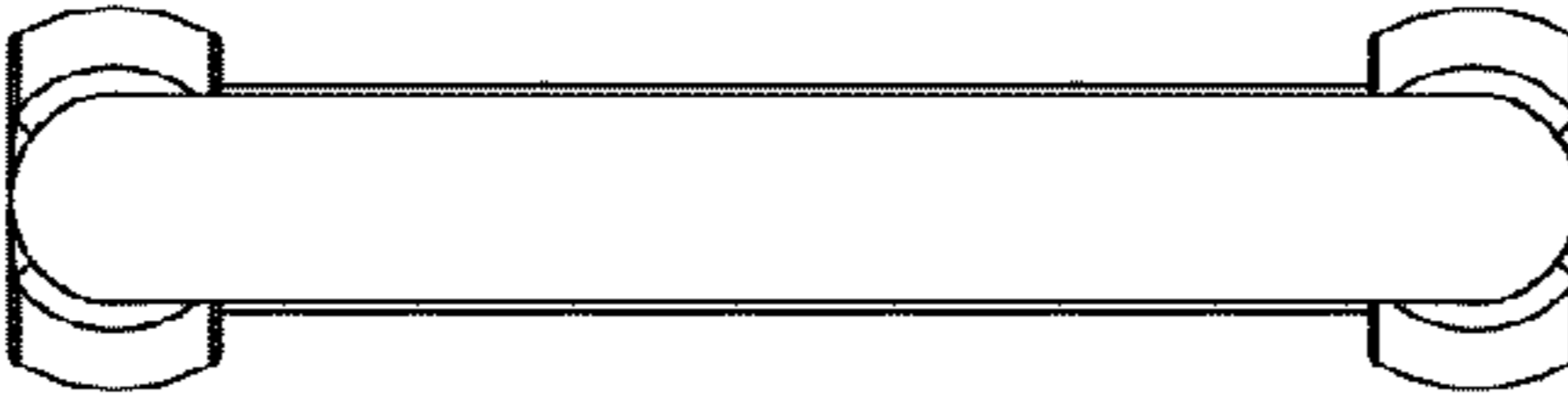


Fig. 3

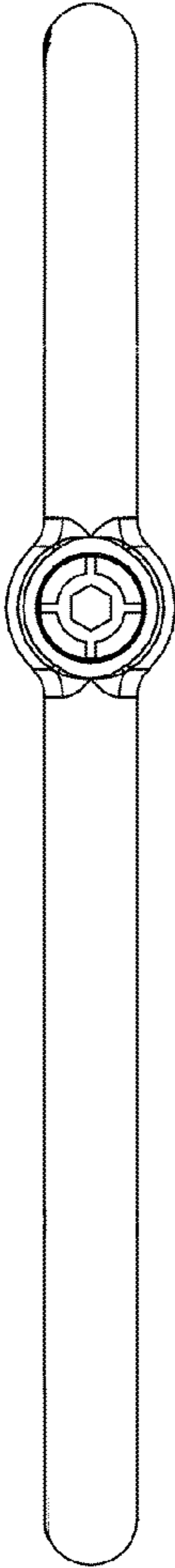


Fig. 4

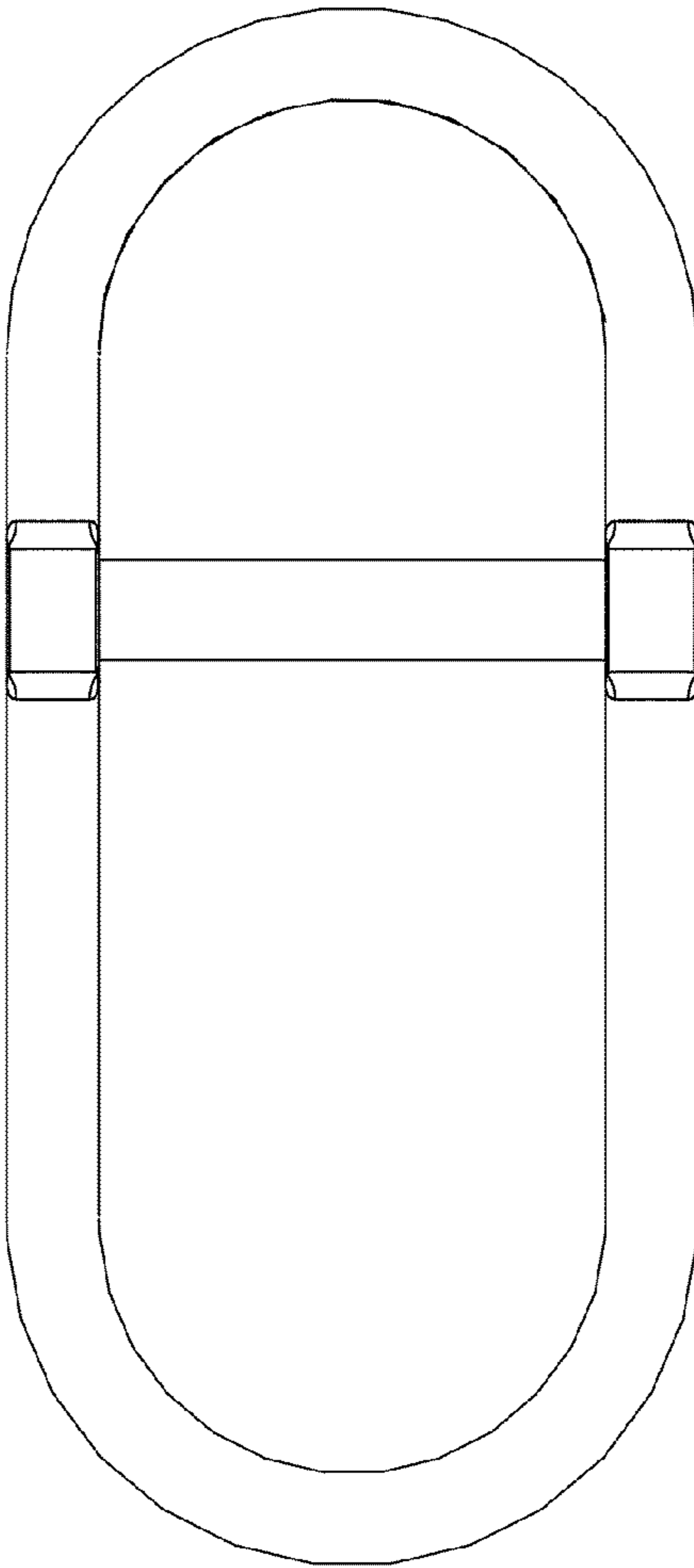


Fig. 5

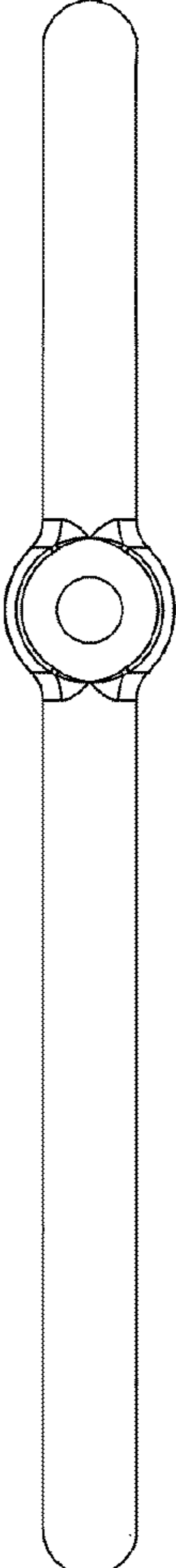


Fig. 6

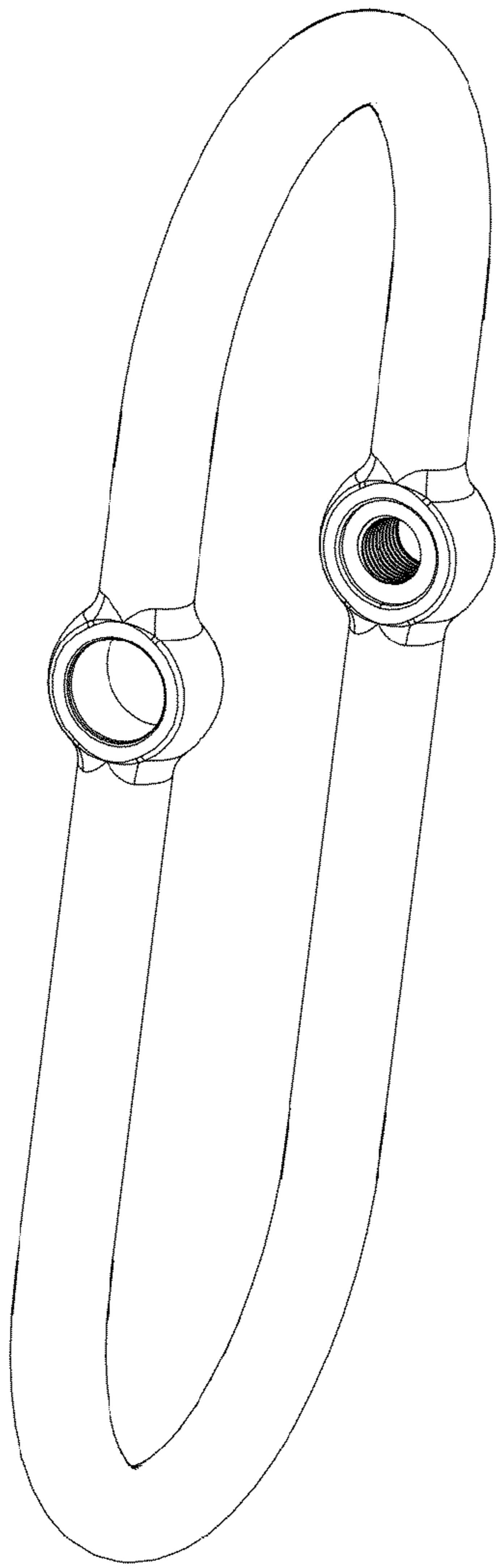


Fig. 7

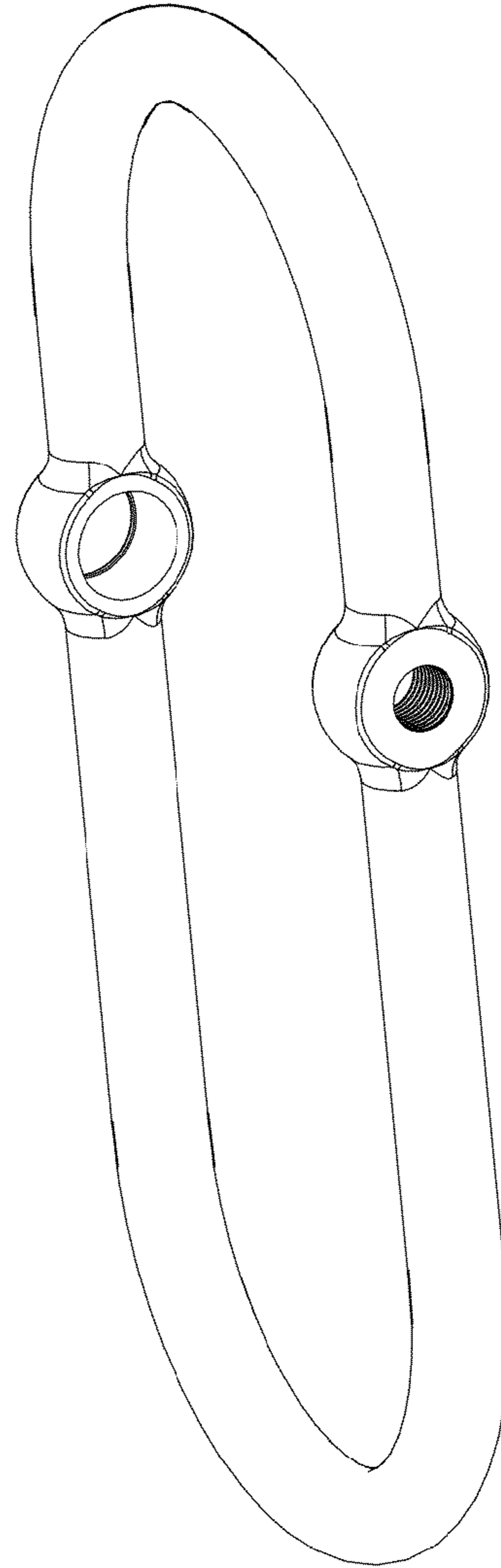


Fig. 8



Fig. 9

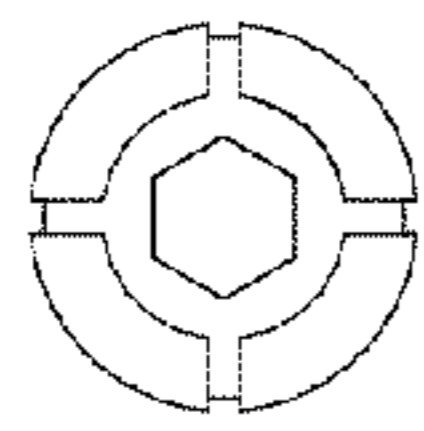


Fig. 10

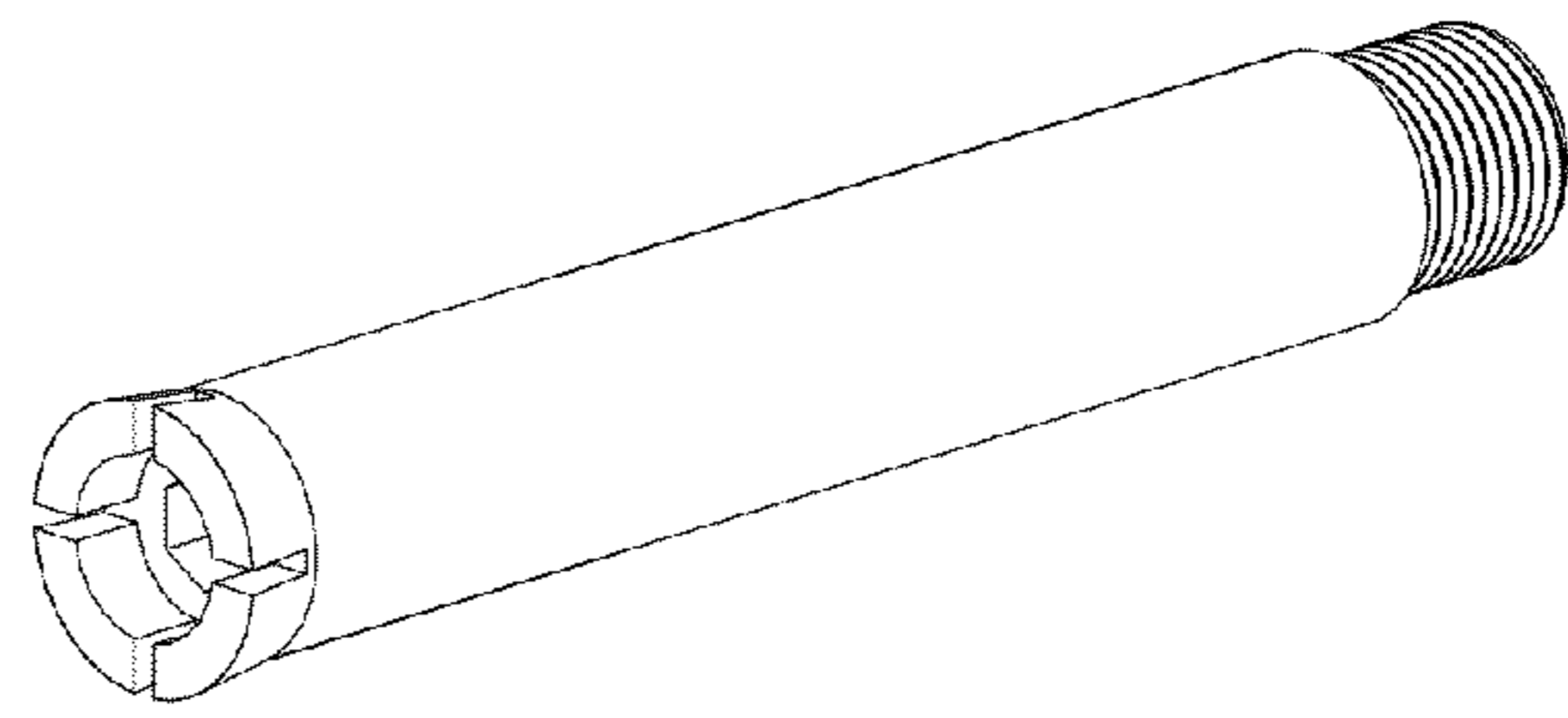


Fig. 11

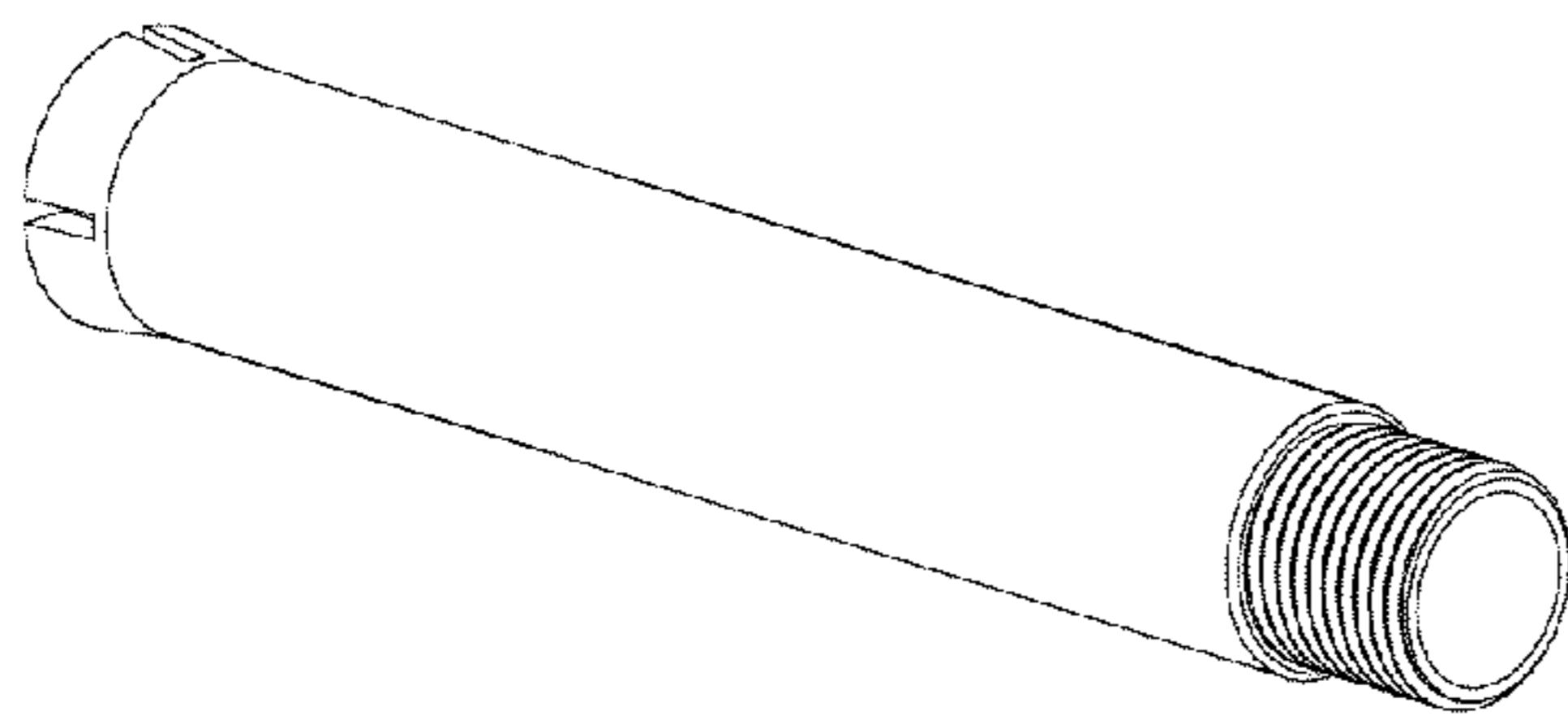


Fig. 12

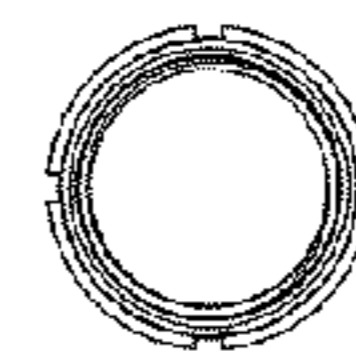


Fig. 13

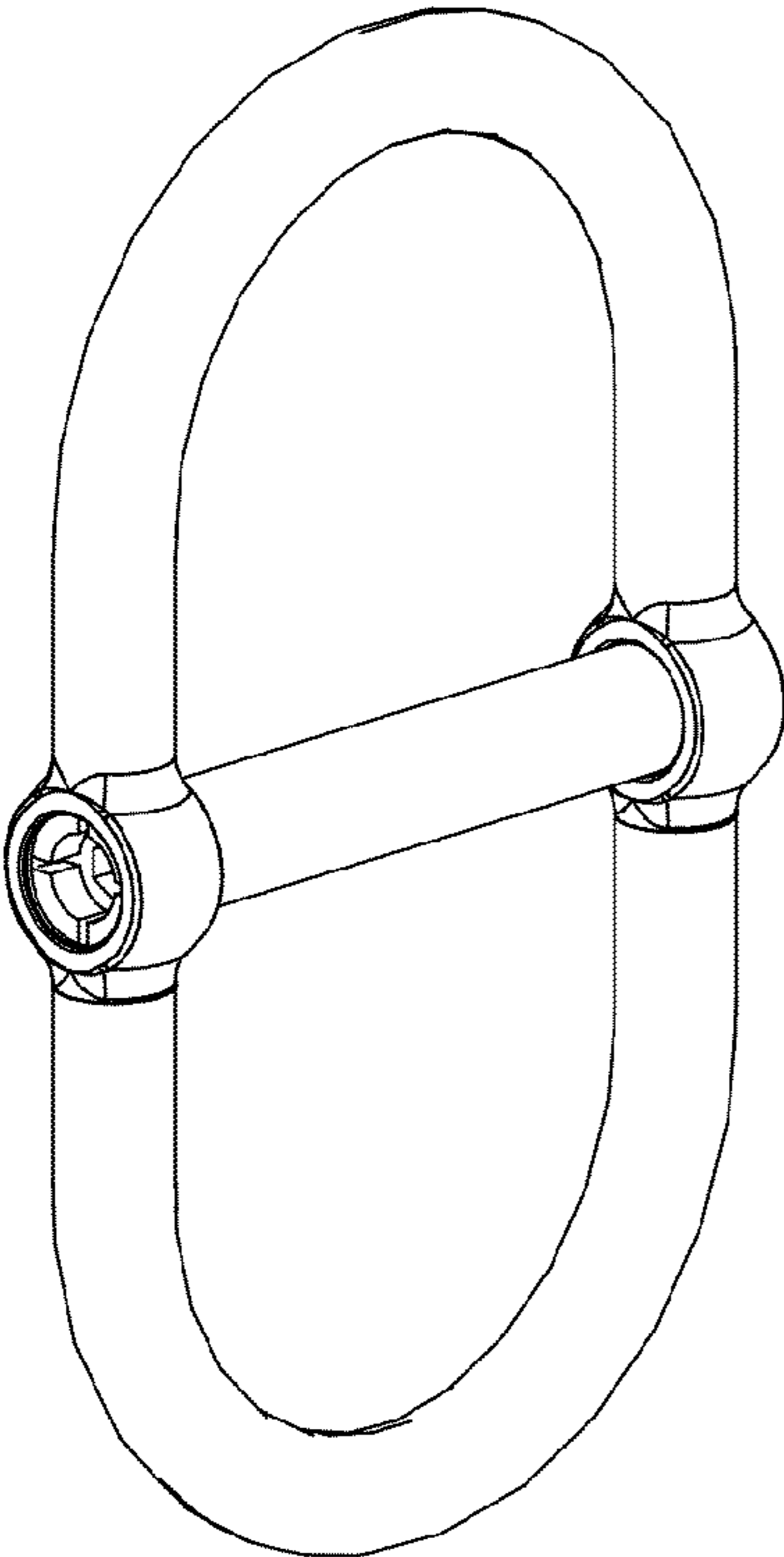


Fig. 14

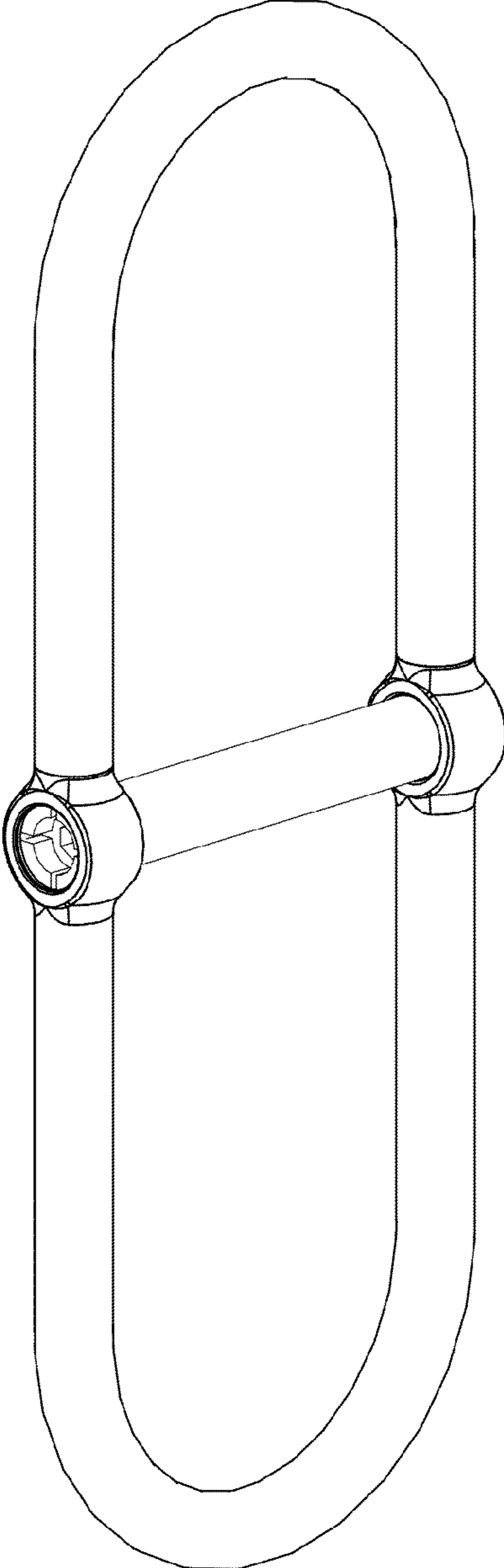


Fig. 15