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Stepanski et al.

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(54) DOUBLE ENDED WRENCH

(71) Applicant: Government of the United States as represented by the Secretary of the Air Force, Washington, D.C., DC (US)

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(73) Assignee: United States of America as represented by the Secretary of the Air Force, Wright-Patterson AFB, OH (US)

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(58) Field of Classification Search USPC D8/14, 21, 24–27, 29 CPC B25B 13/461; B25B 23/0028 See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

835,034	A *	11/1906	Riddle	B25B 13/463	81/61
2,421,038	A *	5/1947	Schultz	B25B 13/463	81/61
2,951,405	A *	9/1960	Engquist	B25B 15/008	81/177.8
3,635,654	A *	1/1972	McFarland	B25B 13/463	81/63
D225,606	S *	12/1972	Teichmeier	D8/25	
5,140,877	A	8/1992	Sloan		
5,421,180	A *	6/1995	Rojdev	B25G 1/005	74/528
6,044,731	A	4/2000	Hsieh		
D543,810	S *	6/2007	Rauckman	D8/25	

D571,173	S *	6/2008	Hu	D8/27
D607,289	S *	1/2010	Lambert	D8/28
D632,533	S *	2/2011	Cappuccio	D8/25
D756,181	S *	5/2016	Lee	D8/27
9,333,629	B2	5/2016	Chen	
10,414,029	B2	9/2019	Mills et al.	
D956,498	S *	7/2022	Fausett	D8/27
2015/0258668	A1 *	9/2015	Crawford	B25B 13/481 81/57.3

OTHER PUBLICATIONS

KTS 1Pcs Ratchet Hex Wrench Ratchet Allen Key Double End Spanner Single End Plastic Handle Key Hand Tools—(Color: Double End); Katsuso; Amazon.com; May 12, 2020; Accessed Sep. 19, 2023; URL:<<https://www.amazon.com/dp/B088HG5RJL>> (Year: 2020).*

* cited by examiner

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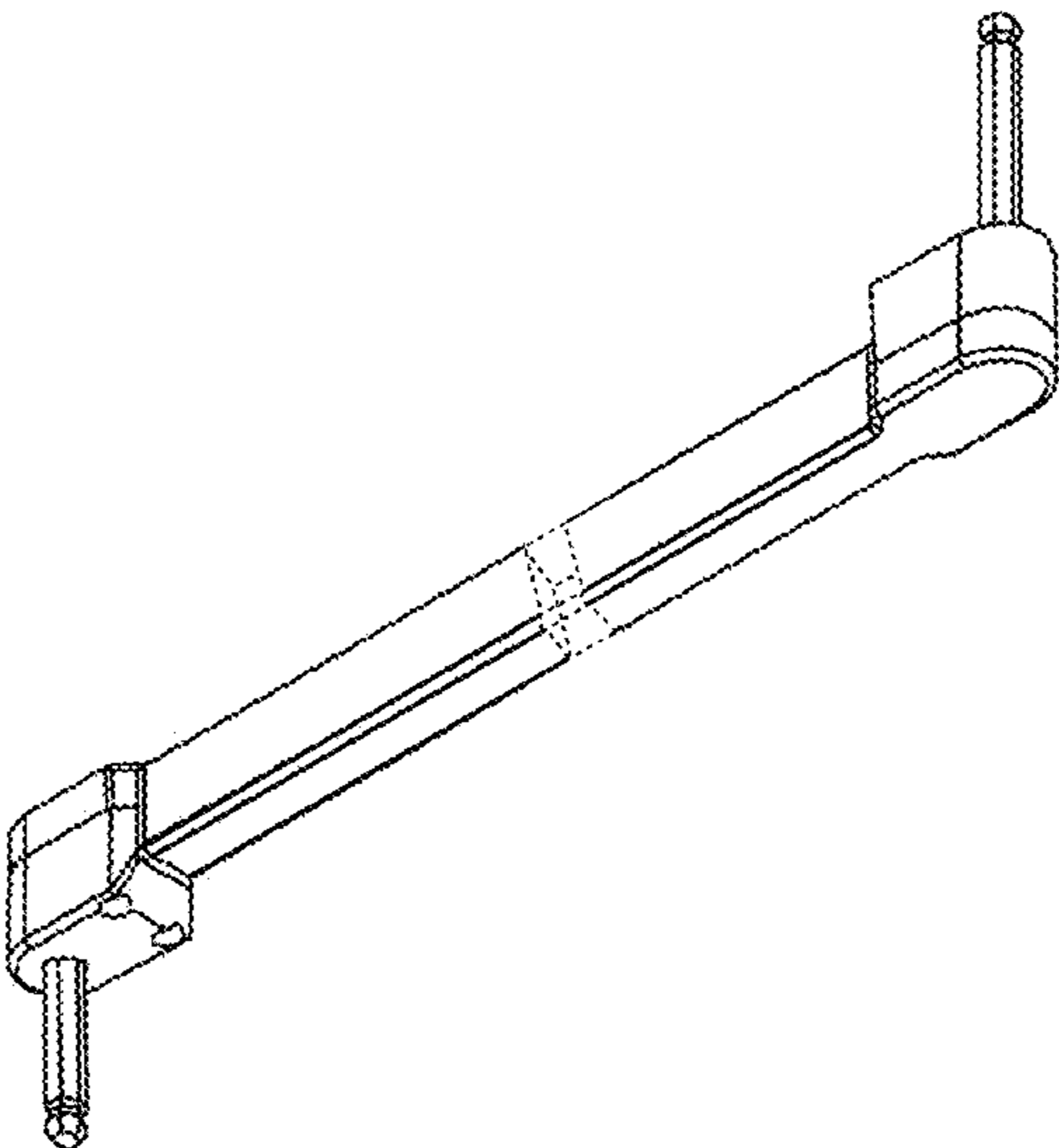
(57) CLAIM

The ornamental design for the double ended wrench, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the double ended wrench; FIG. 2 is a side view of the double ended wrench, the other side being a mirror image thereof; FIG. 3 is a frontal view of the double ended wrench; FIG. 4 is a rear view of the double ended wrench; FIG. 5 is a top view of the double ended wrench; and, FIG. 6 is a bottom side view of the double ended wrench. In the drawings, the broken, dashed lines indicate indeterminate lengths which form no part of the claimed invention. The drawings contain a symbolic break. The portion between the break lines forms no part of the claimed design.

1 Claim, 4 Drawing Sheets



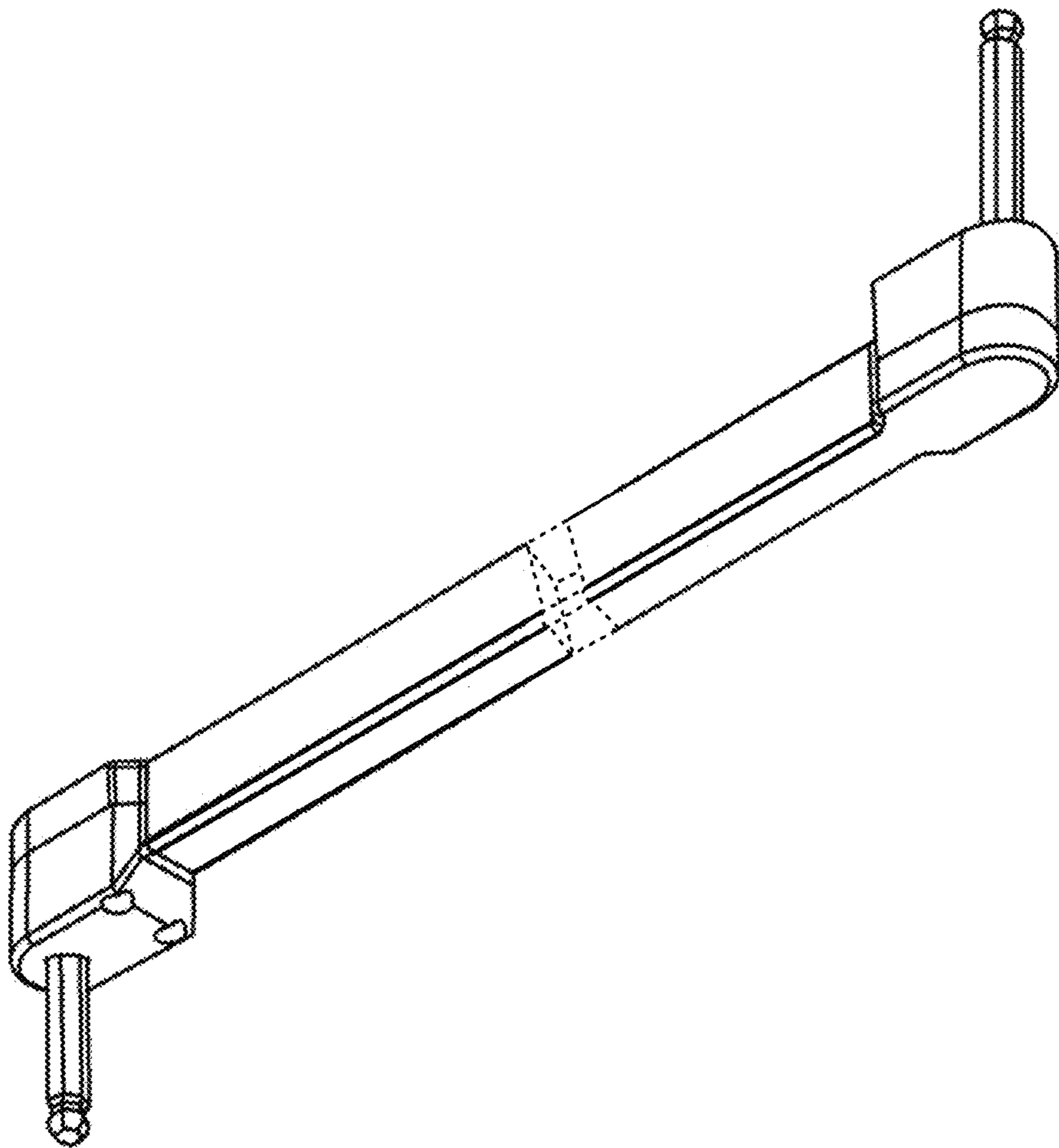


FIG. 1

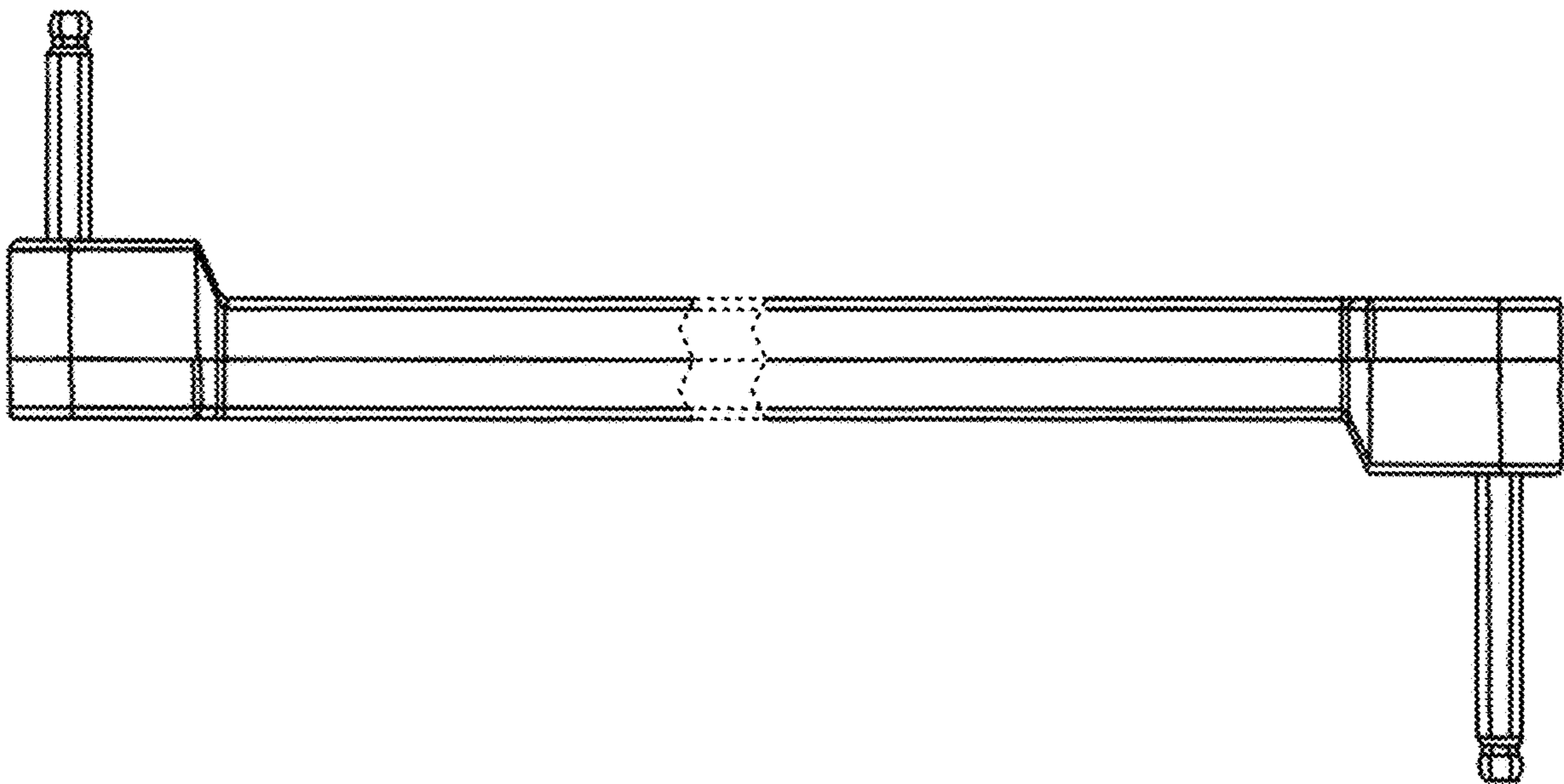


FIG. 2

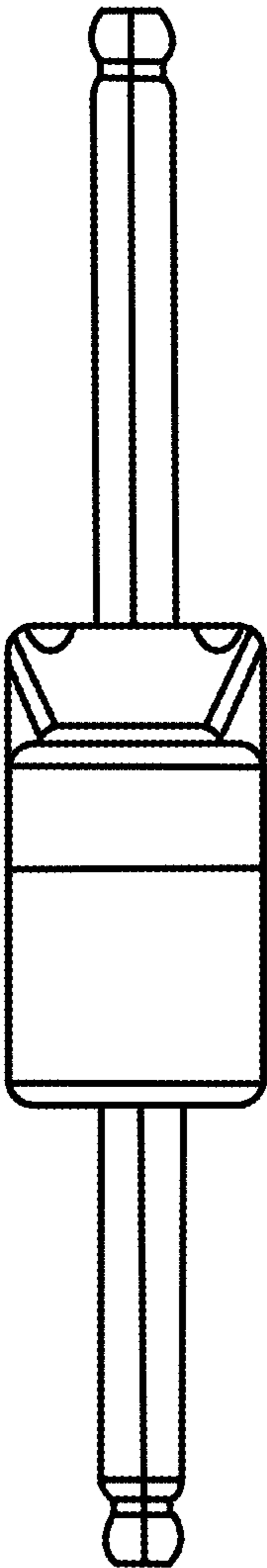


FIG. 3

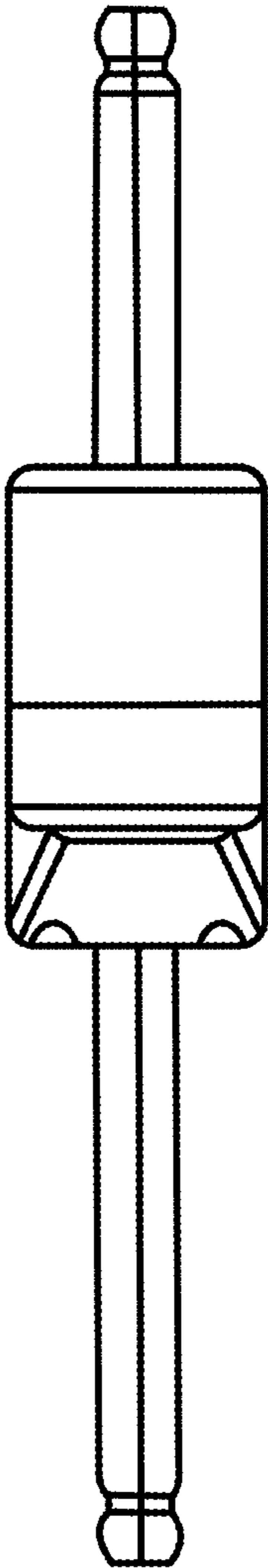


FIG. 4

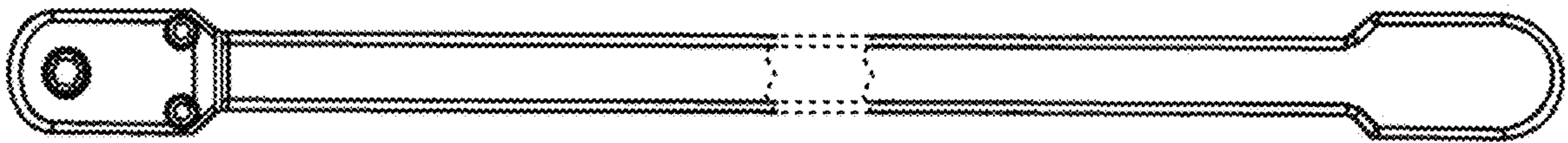


FIG. 5

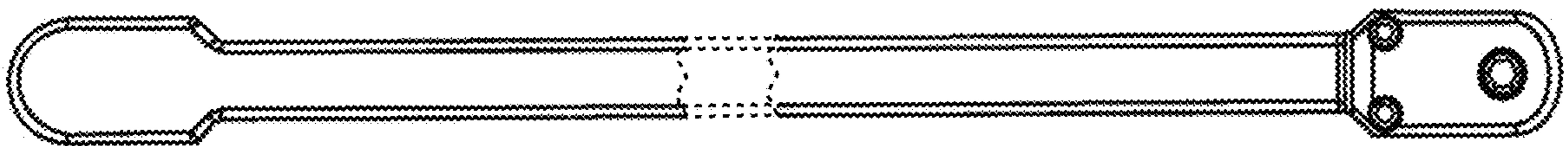


FIG. 6