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(12) **United States Design Patent** (10) **Patent No.:** **US D805,863 S**  
**Alho et al.** (45) **Date of Patent:** **\*\* Dec. 26, 2017**

(54) **THREAD RESTORER TOOL**

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- (73) Assignee: **A & E Incorporated**, Racine, WI (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/578,230**
- (22) Filed: **Sep. 20, 2016**

**Related U.S. Application Data**

- (62) Division of application No. 29/525,539, filed on Apr. 30, 2015, now Pat. No. Des. 769,684.
- (51) **LOC (10) Cl.** ..... **08-05**
- (52) **U.S. Cl.**  
USPC ..... **D8/14**
- (58) **Field of Classification Search**  
USPC ..... D8/14, 29, 86, 70  
CPC ... B23G 5/14; B23G 5/02; B23G 5/06; B23G 5/068; B23G 5/20; Y10T 408/90467; Y10T 408/9048  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

275,815 A	4/1883	French
2,240,840 A	5/1941	Fischer
2,335,741 A	11/1943	Contaldi
2,684,492 A	7/1954	Fordyce
3,969,741 A	7/1976	Frank
4,090,808 A	5/1978	Nannen
4,708,542 A	11/1987	Emanuelli

(Continued)

**OTHER PUBLICATIONS**

Lang Tools; Spark Plug Thread Restorer (Part No. 1013A-M12). <http://www.langtools.com/sku-1013a-m12-spark-plug-thread-restorer/>, 1 page, dated Apr. 8, 2015.

(Continued)

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(57) **CLAIM**

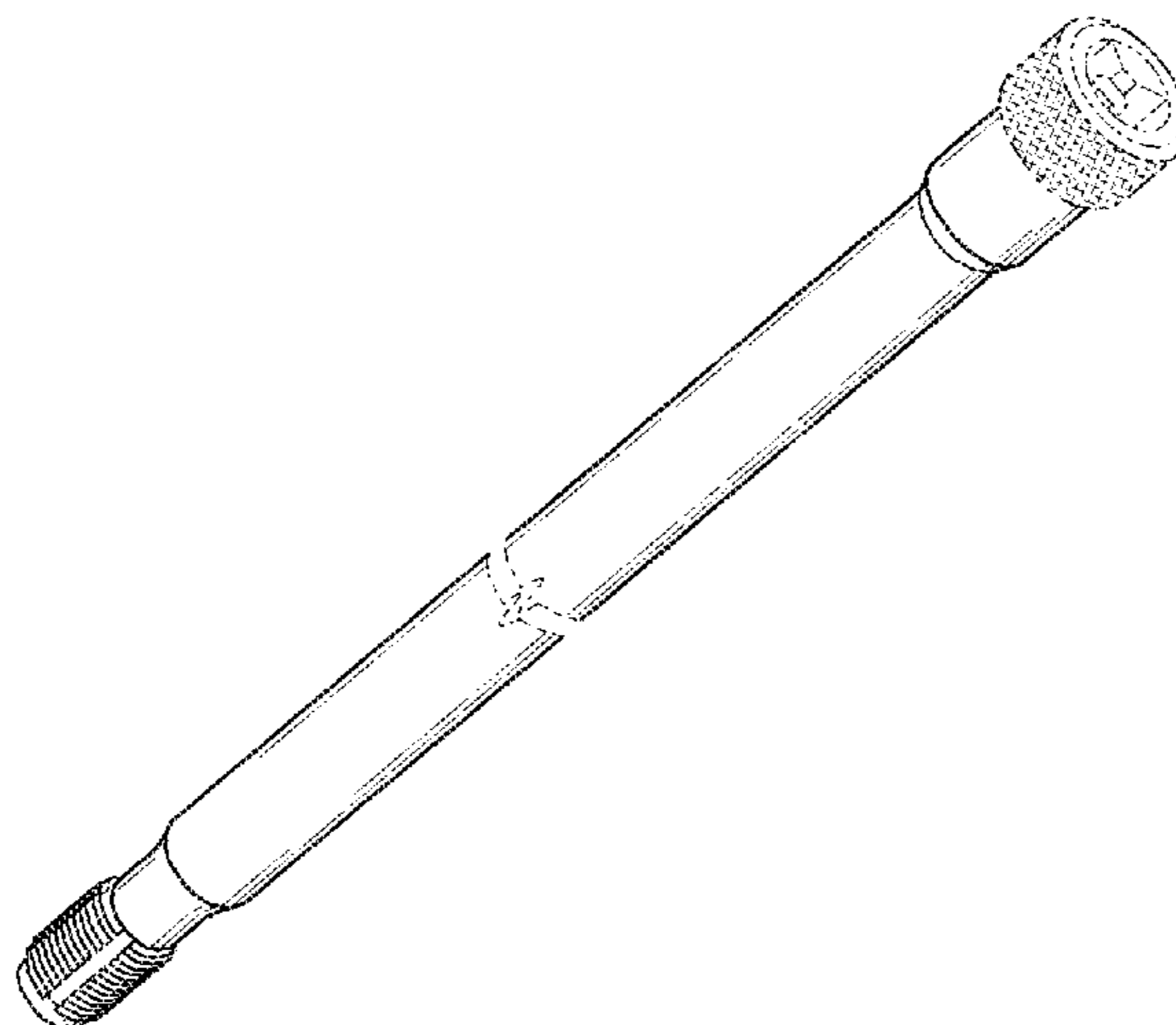
The ornamental design for a thread restorer tool, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a first embodiment of the thread restorer tool showing a knurled head;  
 FIG. 2 is a left elevation view of the embodiment of FIG. 1; a top plan view and a bottom plan view are not provided as they are duplicate identical images; a right side elevation view is not provided as it is a duplicative mirror image;  
 FIG. 3 is a front elevation view of the embodiment of FIG. 1;  
 FIG. 4 is a rear elevation view of the embodiment of FIG. 1;  
 FIG. 5 is a perspective view of a second embodiment of the thread restorer tool showing a hex head;  
 FIG. 6 is a left side elevation view of the embodiment of FIG. 5; a right side elevation view is not provided as it is a duplicative mirror image;  
 FIG. 7 is a top plan view of the embodiment of FIG. 5; a bottom plan view is not provided as it is a duplicative identical image;  
 FIG. 8 is a front elevation view of the embodiment of FIG. 5; and,  
 FIG. 9 is a rear elevation view of the embodiment of FIG. 5.

All broken lines illustrate portions of the thread restorer tool that form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

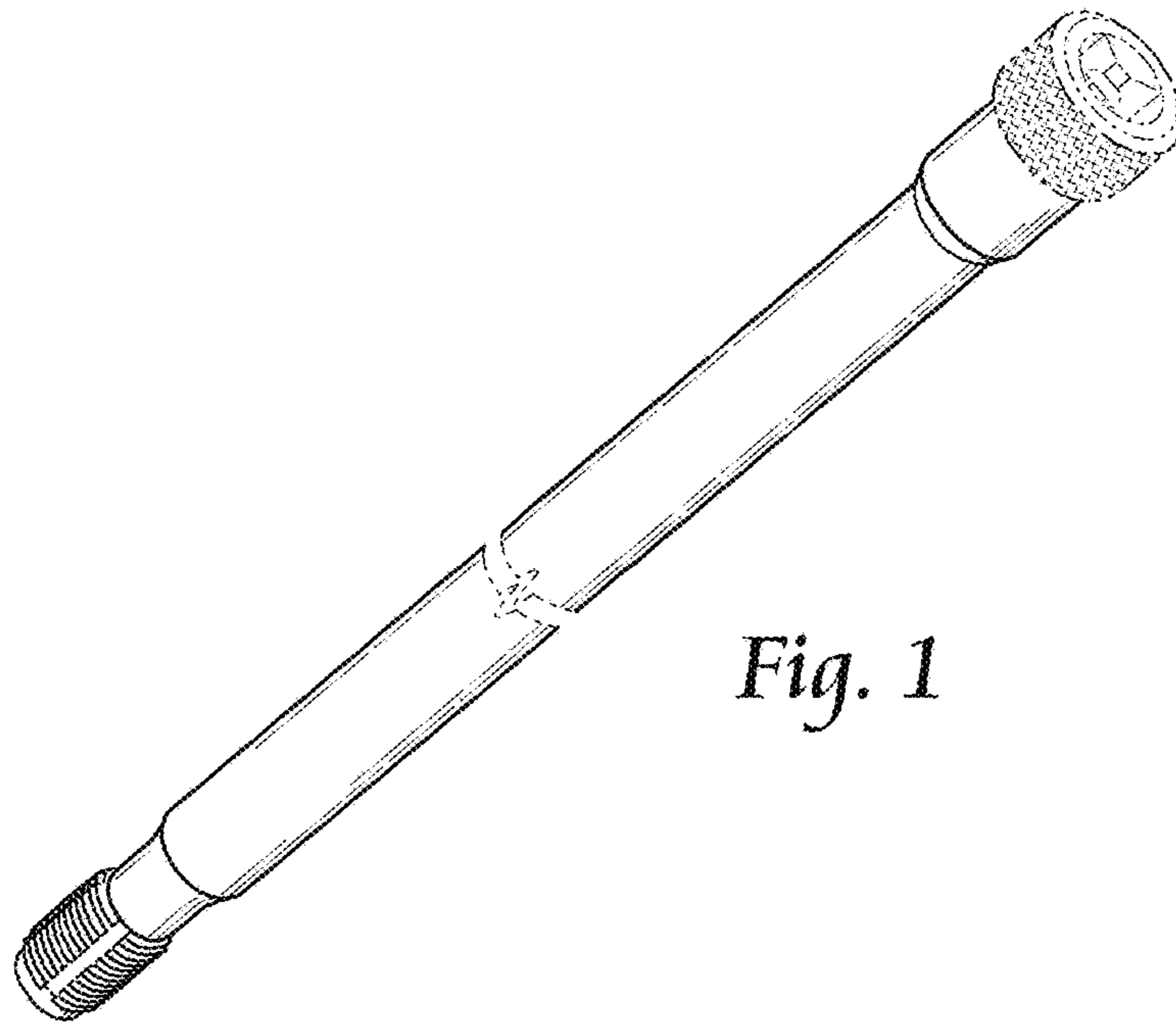
4,831,674	A	5/1989	Bergstrom
5,037,251	A	8/1991	Roth
5,281,059	A	1/1994	Stuckle
5,718,636	A	2/1998	Meyn
5,993,120	A	11/1999	Giessler
6,217,267	B1	4/2001	Sugano
6,293,740	B1	9/2001	Schulte
6,554,550	B2	4/2003	Chapel
6,929,024	B1	8/2005	Rucker
7,144,208	B2	12/2006	Henderer
7,147,413	B2	12/2006	Henderer
D564,847	S	3/2008	Hurlburt
7,625,292	B2	12/2009	Glimpel
8,425,163	B2	4/2013	Yamamoto
8,821,081	B1	9/2014	Foss
9,138,819	B2	9/2015	Ohhashi

OTHER PUBLICATIONS

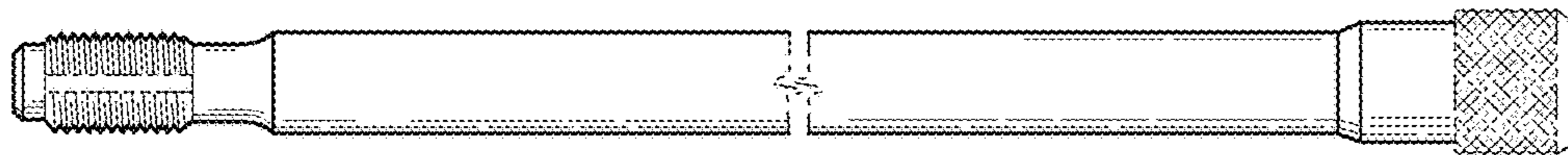
Lang Tools; Single End Spark Plug Chaser (Part No. 1020A-M14) <http://www.langtools.com/sku-1020a-m14-single-end-spark-plug-chaser/>, 1 page, dated Apr. 8, 2015.

Sears; Spark Plug Thread Chaser (Part No. MIS-LI20200) <http://www.sears.com/lisle-price-each-lisle-20200-spark-pug-thread-chaser/p-SPM11515931215>, 1 page, dated Apr. 8, 2015.

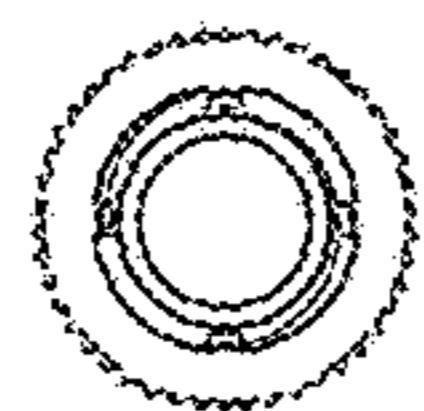
Jack Sealey Ltd.; Reverse Action Spark Plug Thread Chaser 14mm (Part No. VS625) <http://www.amazon.com/Sealy-Reverse-Action-Thread-Chaser/dp/8004746FTA>, 1 page, dated Apr. 8, 2015.



*Fig. 1*

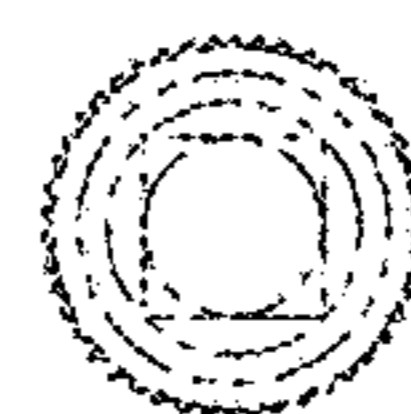


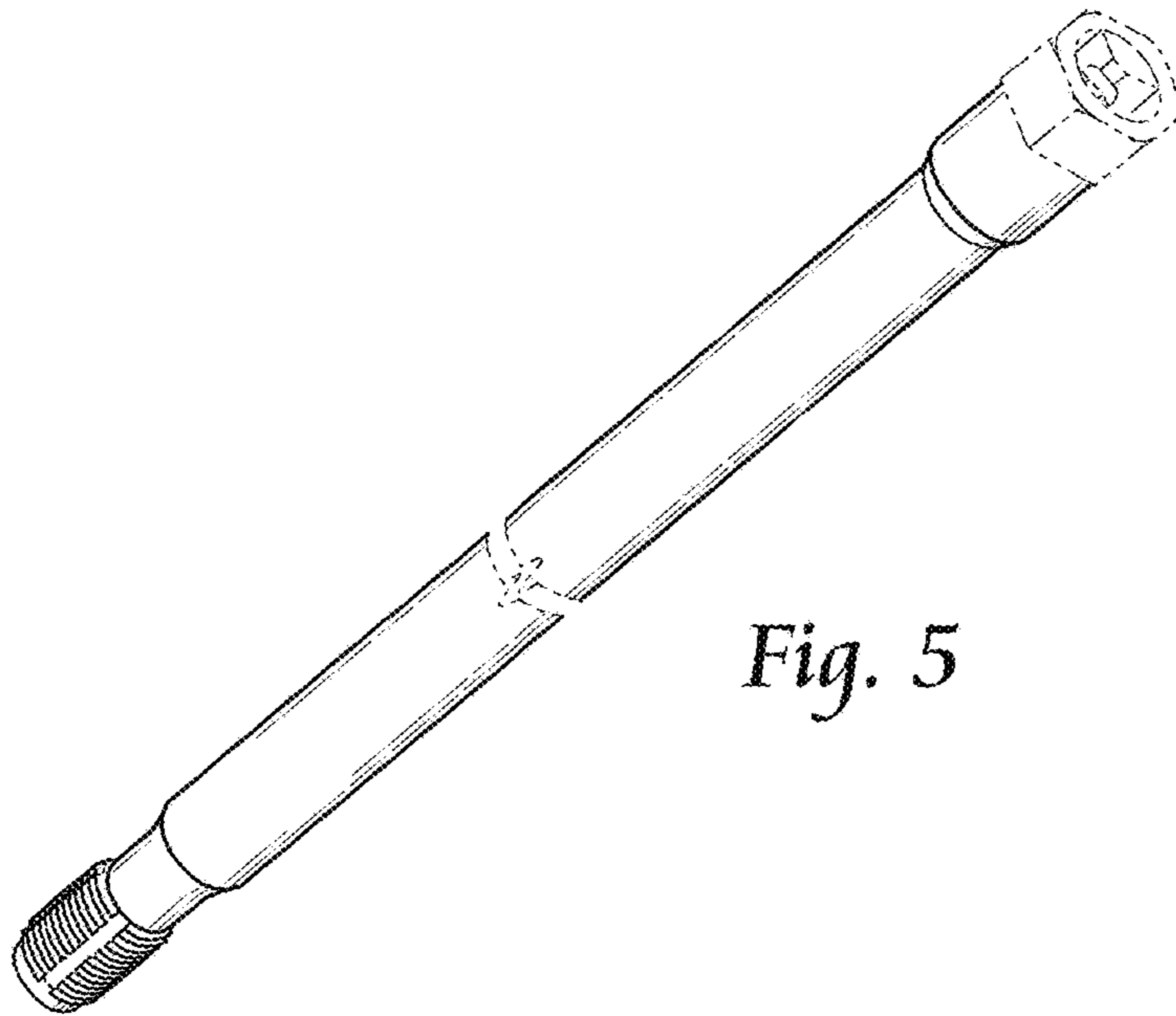
*Fig. 2*



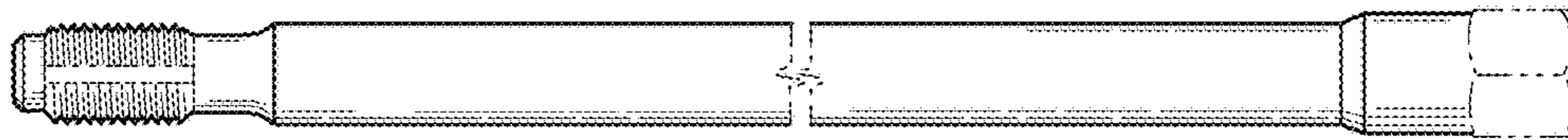
*Fig. 3*

*Fig. 4*

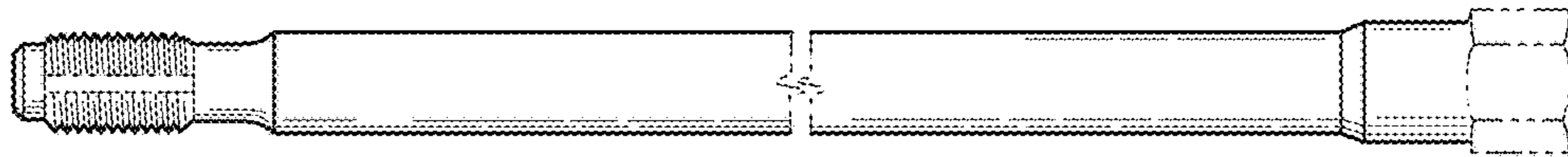




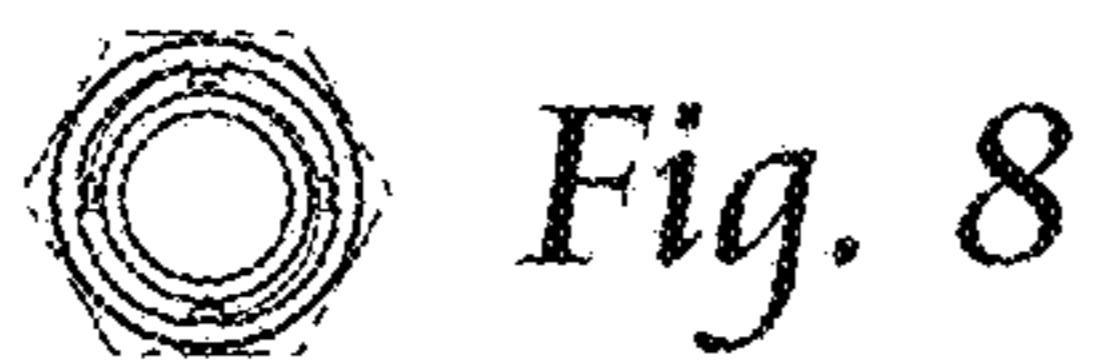
*Fig. 5*



*Fig. 6*



*Fig. 7*



*Fig. 8*



*Fig. 9*