



US00D354665S

**United States Patent** [19]  
**Greenland et al.**

[11] **Patent Number: Des. 354,665**  
[45] **Date of Patent: \*\* Jan. 24, 1995**

[54] **HOLLOW SHAFT PULLER**  
[75] **Inventors: Danny L. Greenland; Robert S. Adams, both of Bartlesville, Okla.**  
[73] **Assignee: Adams Manufacturing Company, Bartlesville, Okla.**  
[\*\*] **Term: 14 Years**  
[21] **Appl. No.: 15,535**  
[22] **Filed: Nov. 19, 1993**

3,611,539 10/1971 Meaden ..... 29/265  
4,050,136 9/1977 Shultz ..... 29/265  
4,074,410 2/1978 Jarm ..... 29/265  
4,507,837 4/1985 Hinkle ..... 29/265  
4,651,596 3/1987 Rachanski ..... 29/265  
4,724,608 2/1988 Parrott ..... 29/264  
4,852,235 8/1989 Trease et al. .... 29/263

*Primary Examiner*—Bernard Ansher  
*Assistant Examiner*—Philip Hyder  
*Attorney, Agent, or Firm*—Dougherty, Hessin, Beavers & Gilbert

**Related U.S. Application Data**

[63] Continuation-in-part of Ser. No. 750,542, Aug. 27, 1991, abandoned.  
[52] **U.S. Cl.** ..... **D8/51**  
[58] **Field of Search** ..... **D8/14, 51; 81/53.2; 29/264, 265, 263, 724, 258, 259, 260, 261, 262**

[57] **CLAIM**

The ornamental design for a hollow shaft puller, as shown and described.

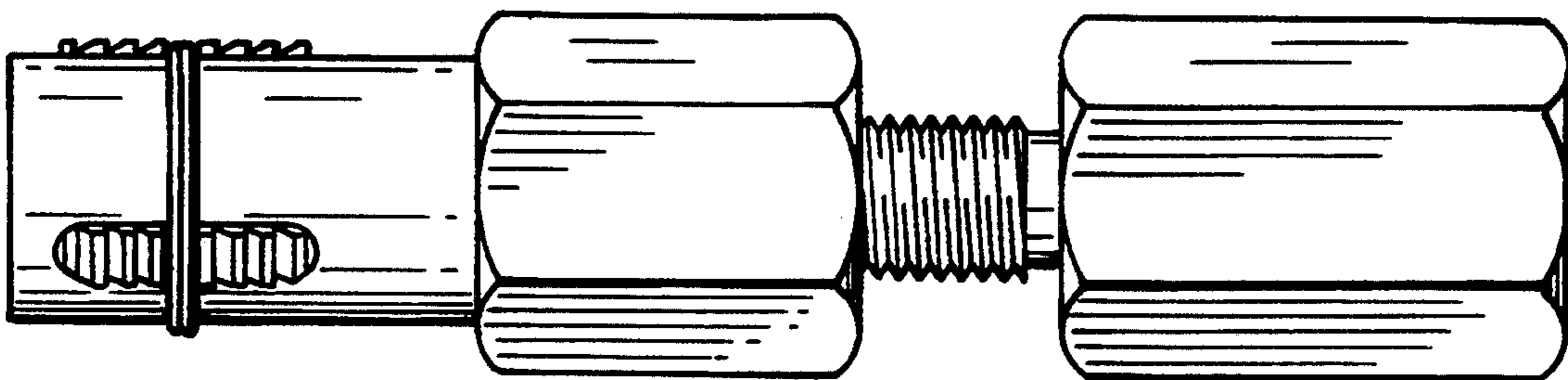
**DESCRIPTION**

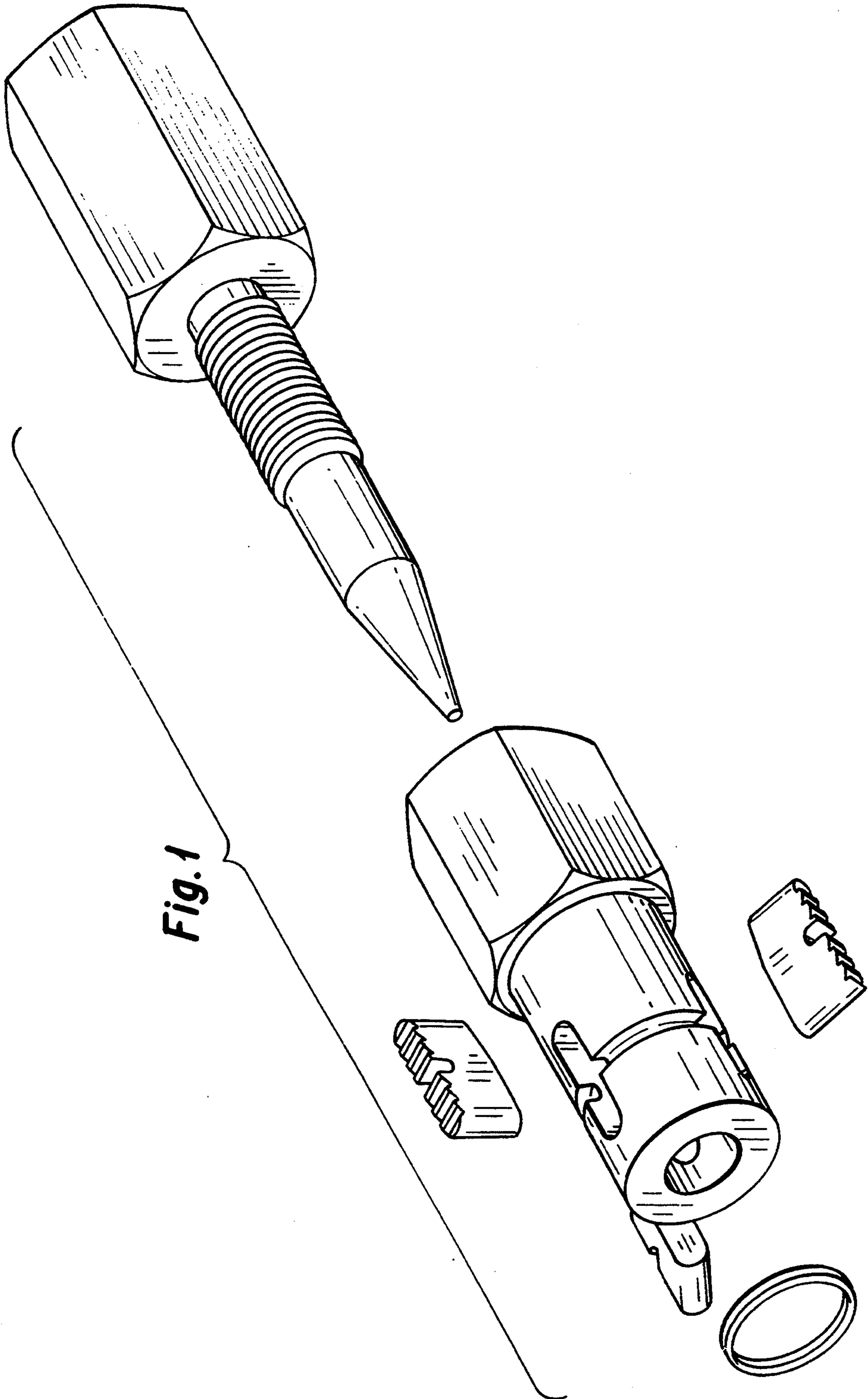
FIG. 1 is an exploded isometric view of a hollow shaft puller, showing my new design;  
FIG. 2 is a front elevational view thereof, the rear elevational view being the mirror opposite thereto;  
FIG. 3 is a top plan view thereof;  
FIG. 4 is a right side elevational view thereof;  
FIG. 5 is a left side elevational view thereof; and,  
FIG. 6 is a bottom plan view thereof.

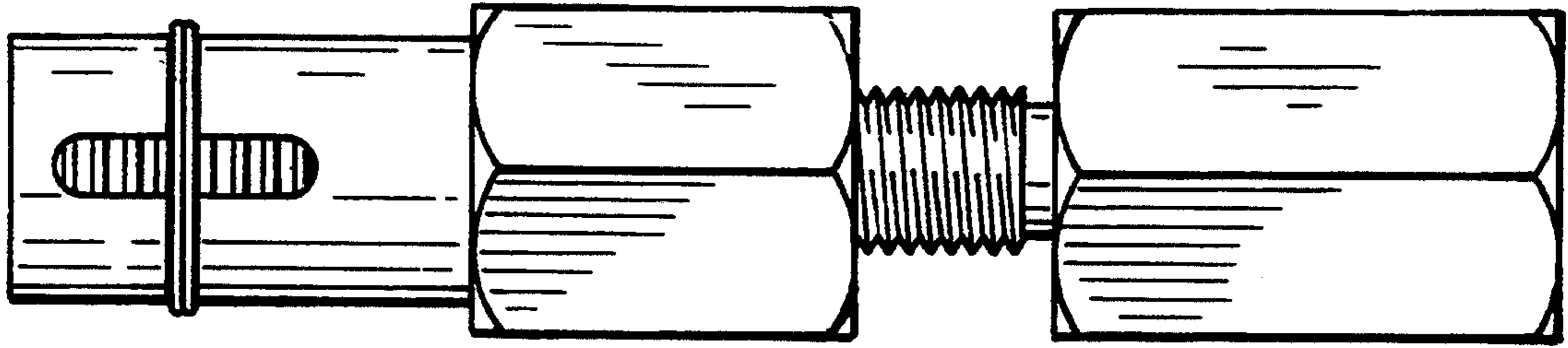
[56] **References Cited**

**U.S. PATENT DOCUMENTS**

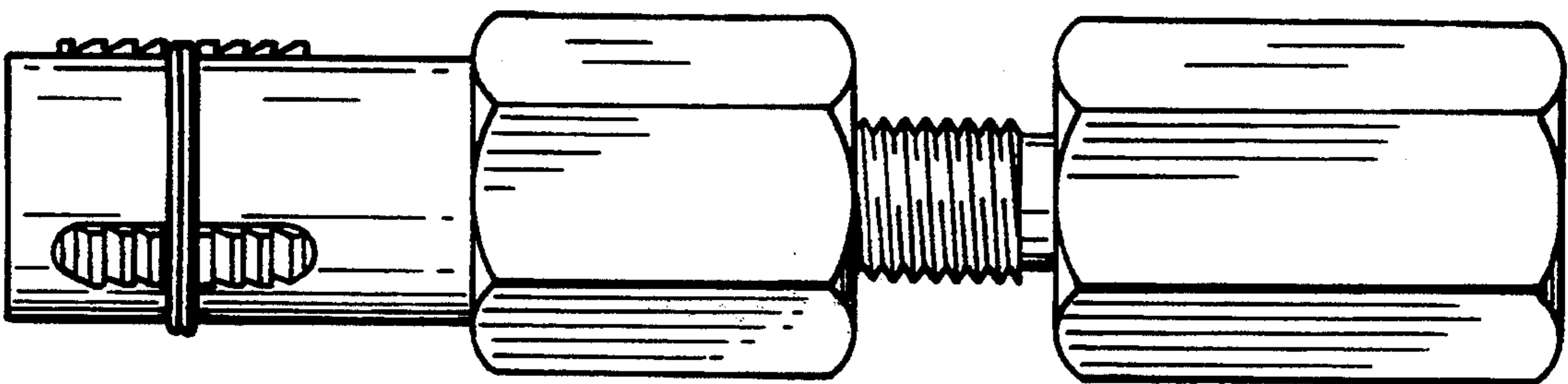
D. 278,310 4/1985 Allen ..... D8/21  
511,610 12/1893 Gregg ..... 29/265  
2,290,427 7/1942 Harrington ..... 29/265



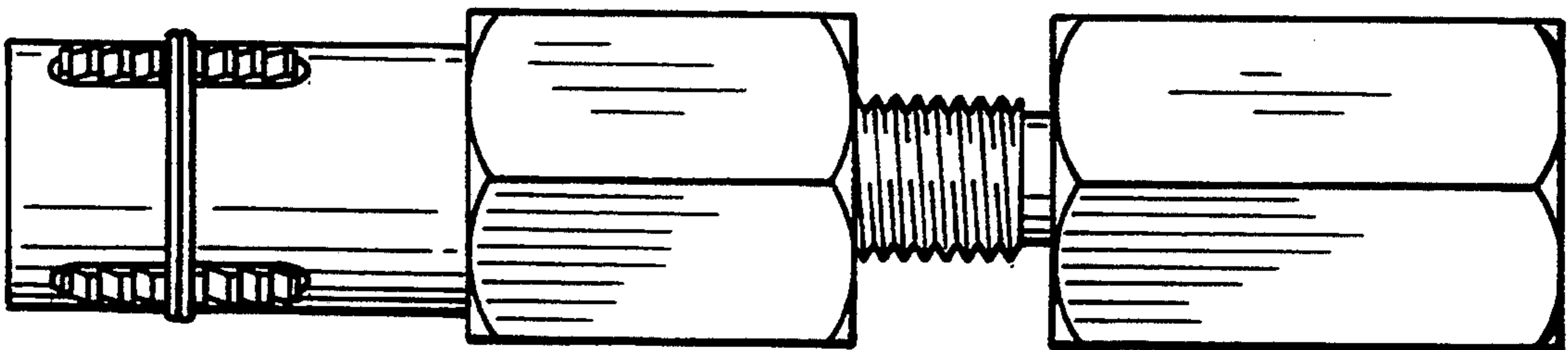




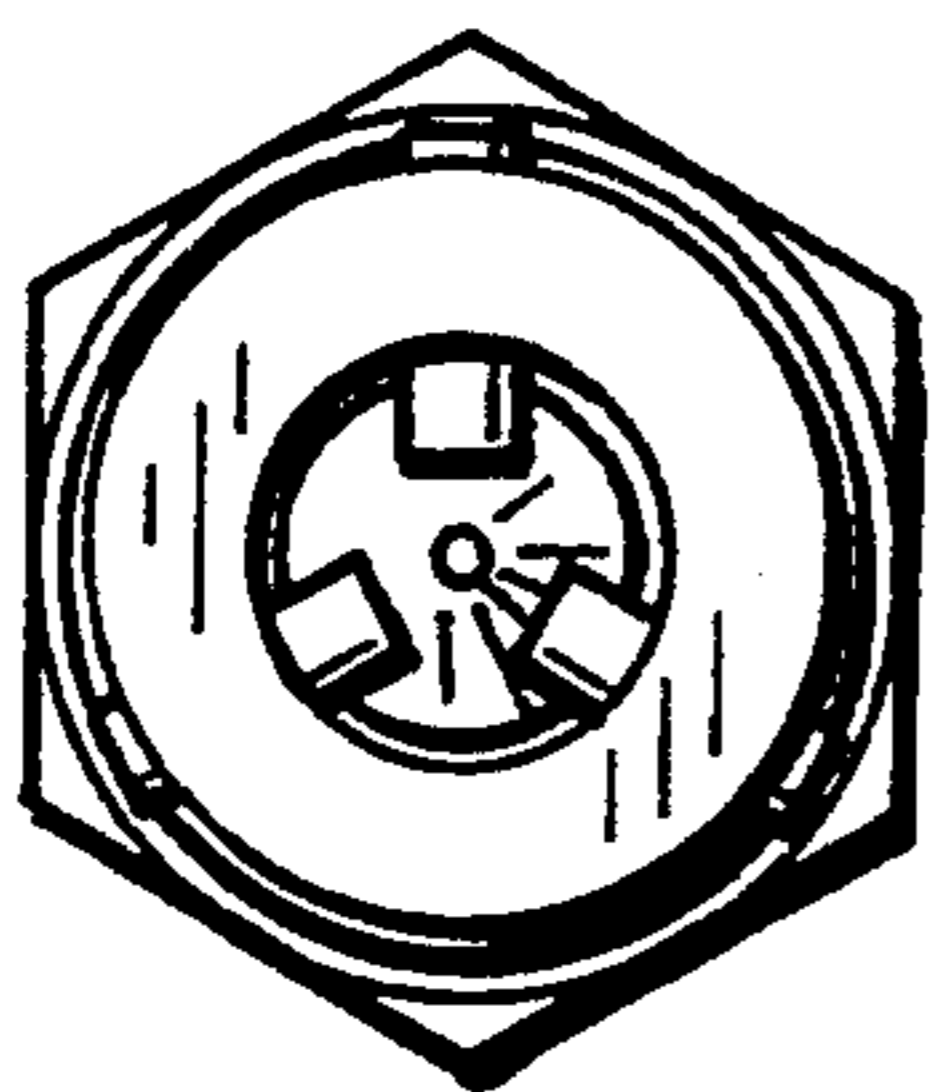
*Fig. 3*



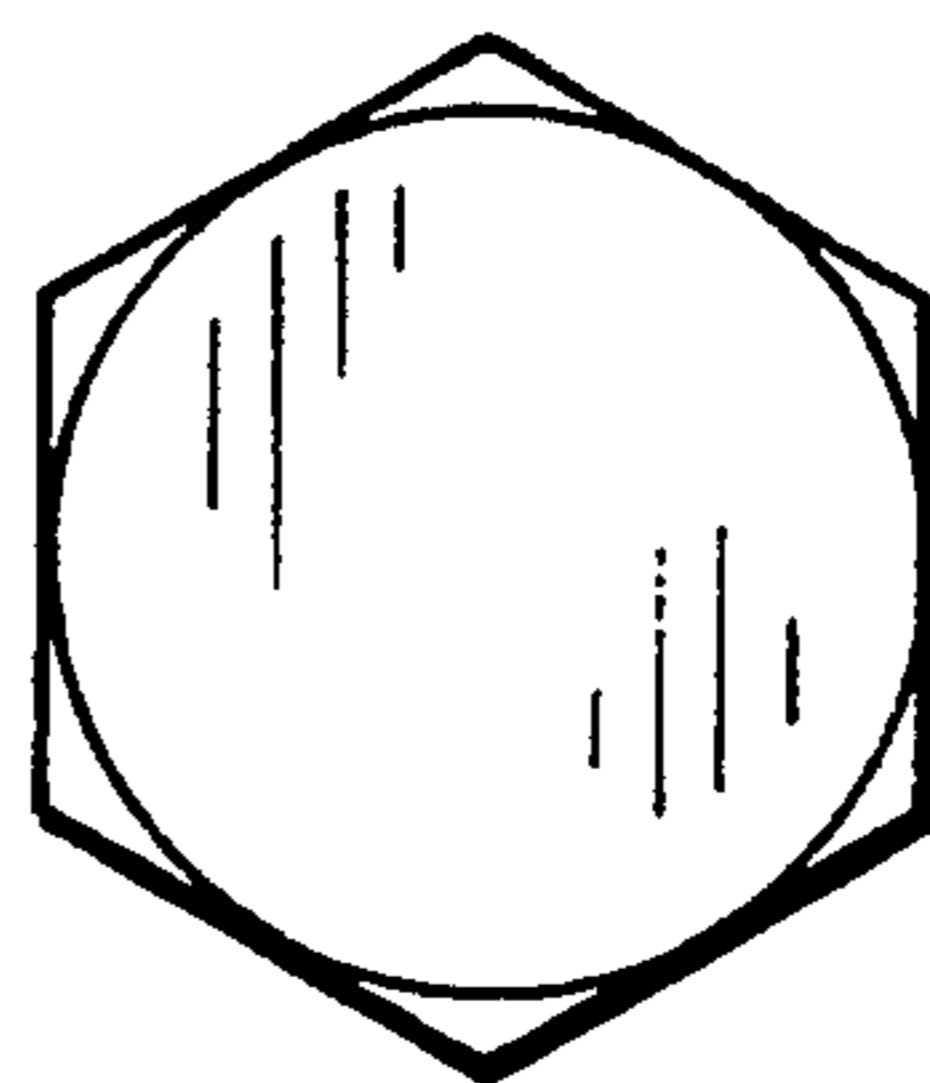
*Fig. 2*



*Fig. 6*



*Fig. 5*



*Fig. 4*