Aug. 18, 1925.

1,550,069

N. T. GOOLSBY ET AL

COUPLING

Filed Dec. 19, 1922

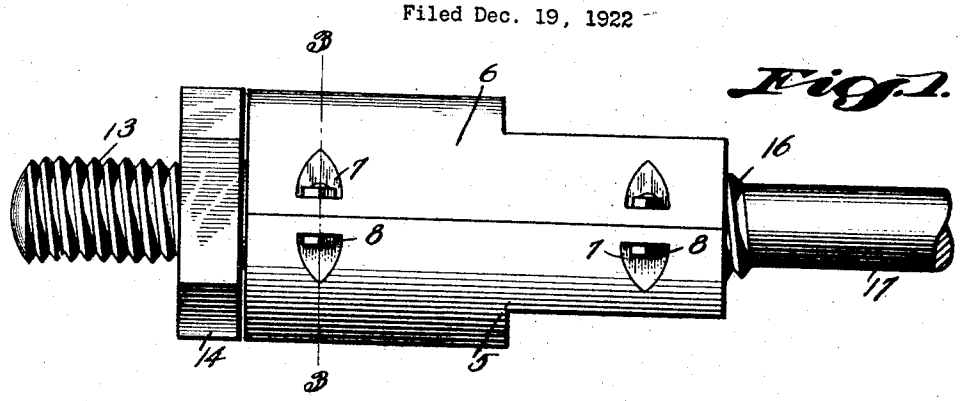


Fig. 1.

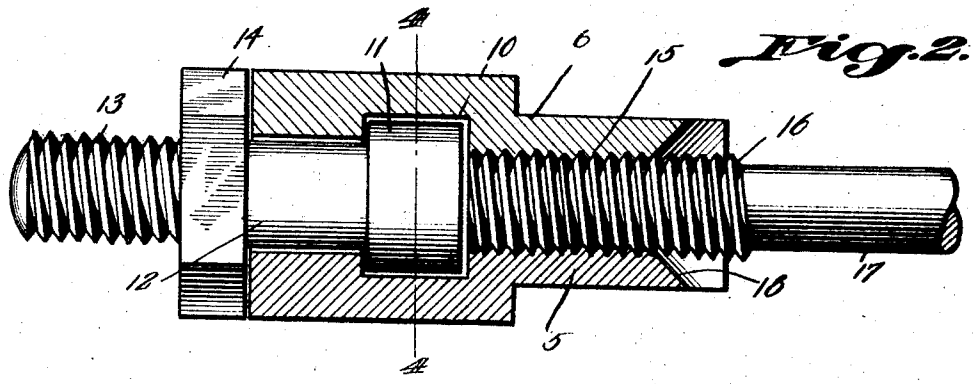


Fig. 2.

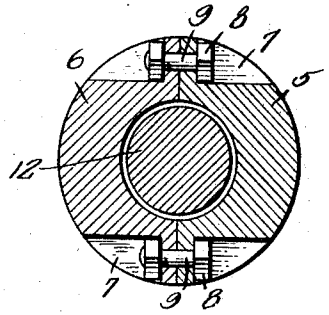


Fig. 3.

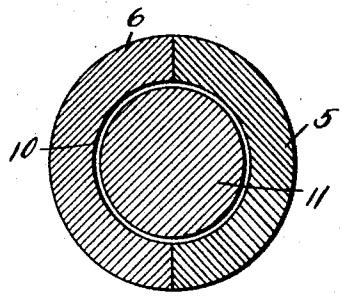


Fig. 4.

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Patented Aug. 18, 1925. 1,550,069

UNITED STATES PATENT OFFICE.

NEAL T. GOOLSBY AND MARVIN S. BERRY, OF BEGGS, OKLAHOMA.

COUPLING.

Application filed December 19, 1922. Serial No. 607,836.

To all whom it may concern:

Be it known that we, NEAL T. GOOLSBY and MARVIN S. BERRY, citizens of the United States, residing at Beggs, in the county of Okmulgee and State of Oklahoma, have invented a new and useful Coupling, of which the following is a specification.

This invention relates to rod couplings and aims to provide a novel form of coupling especially designed for coupling sections of sucker rods or the like, whereby movement of one section with respect to its adjacent section will be permitted, eliminating any possibility of the sections being disconnected.

Another object of the invention is to provide a device of this character which will be readily and easily applied to the usual rod sections now in use eliminating the necessity of making alterations in the construction thereof to accomplish the application of the connection.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is a side elevational view disclosing a connection constructed in accordance with the invention.

Figure 2 is a longitudinal sectional view through the connection.

Figure 3 is a sectional view taken on line 3—3 of Figure 1.

Figure 4 is a sectional view taken on line 4—4 of Figure 2.

Referring to the drawing in detail, the connection is of the swivel type, and includes a body portion comprising opposed sections 5 and 6 respectively, which sections are formed with cut out portions 7 to provide clearances for the heads 8 of the connecting bolt 9, permitting the sections to be secured together.

The body portion is formed with a central bore having an enlarged portion 10 accommodating the head 11 of the section 12 that cooperates with the body portion in forming the connection.

The section 12 is formed with a threaded extension 13 designed to fit within the usual threaded socket of a sucker rod, a squared portion 14 being provided on the section 12 to permit of rotation of the section 12 to seat the threaded portion 13 thereof. The body portion of the connection is formed with internal threads 15 designed to accommodate the threaded end 16 of the sucker rod 17, the end of the bore being tapered as at 18 to guide the body portion to the rod having connection with the device.

From the foregoing it will be seen that due to the construction of the connection, the sections of the sucker rod will be permitted to rotate slightly with respect to each other, such movement being directed to the head 11 and enlarged portion 10 of the central bore, thereby preventing the sucker rod sections from moving longitudinally within the connection.

What is claimed is:—

In a device of the character described, a sectional body, said body portion having a central bore, said bore having an enlarged portion intermediate its ends, said bore being threaded throughout a portion of its length and terminating in tapered walls, a sucker rod section having a threaded portion adapted to be fitted in the threaded portion of the bore to secure the rod section thereto, a rod section having a head adapted to be fitted within the enlarged portion of the bore, the last mentioned section having a squared portion to permit the last mentioned section to be rotated.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures.

NEAL T. GOOLSBY.
MARVIN S. BERRY.