No. 612,576. Patented Oct. 18, 1898.

W. SMALLWOOD.

SWIVEL FOR FISHING TACKLE.

(Application filed July 12, 1898.)

(No Model.)

Fig. 1.

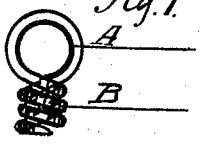


Fig. 2.

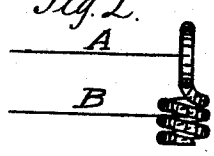


Fig. 3.

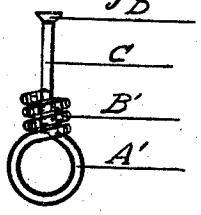


Fig. 4.

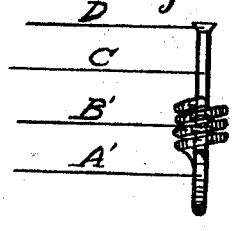


Fig. 5.

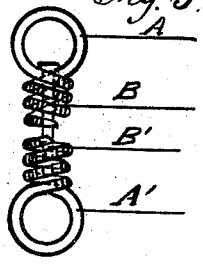
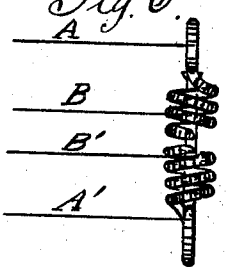


Fig. 6.



Witnesses:
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM SMALLWOOD, OF REDDITCH, ENGLAND.

SWIVEL FOR FISHING-TACKLE.

SPECIFICATION forming part of Letters Patent No. 612,576, dated October 18, 1898.

Application filed July 12, 1898. Serial No. 685,731. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SMALLWOOD, a subject of the Queen of Great Britain and Ireland, residing at the Lion Works, Redditch, in the county of Worcester, England, have invented a new and useful Swivel for Fishing-Tackle, of which the following is a specification.

My invention relates to an improved swivel for fishing-tackle.

The object of my improvement is to provide means for making such swivels solely from wire. I attain this object as shown in the accompanying drawings.

Figure 1 is a front elevation, and Fig. 2 a side elevation, of the upper portion of the swivel. Fig. 3 is a front elevation, and Fig. 4 a side elevation, of the lower portion of the swivel. Figs. 5 and 6 are respectively a front and a side view of the complete swivel.

In Figs. 1 and 2, A is a loop, and B the coils, forming a tubular shank made from a length of wire.

In making the lower part of the swivel shown at Figs. 3 and 4 a length of wire is headed, as D, the free end being passed through the tubular coil B, the head D seating itself on the top convolution of the coils B and immediately under the loop A, the shank C passing down between the coils and being free to rotate therein. The remaining portion of the wire is twisted into the loop A′ and the coils B′, Figs. 3 and 4, which operation completes the swivel, as shown in Figs. 5 and 6.

What I claim is—

1. The swivel for fishing-tackle herein shown and described, the same being made from two lengths of wire comprising the loop A and coil B and the shank C and head D terminating into the coil B′ and the loop A′ as set forth.

2. In a swivel, the combination, with a wire loop, the end portions of which are twisted together spirally thereby forming a hollow coil; of a second wire loop provided at one end with a shank which engages with the said coil and which has a head above the said coil, the other end portion of the last said loop being twisted spirally upon its shank, substantially as set forth.

In witness whereof I have hereunto set my hand in presence of two witnesses.

WILLIAM SMALLWOOD.

Witnesses:

WILLIAM HENRY BARACLOUGH,

HEBER EDWIN HOWARD.