No. 695,322. Patented Mar. 11, 1902.

J. METCALFE & T. BELL.

THREAD HOLDER.

(Application filed Sept. 16, 1901.)

(No Model.)

Fig. 1.

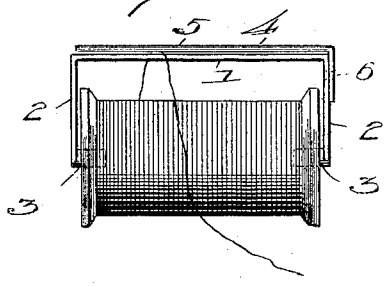


Fig. 2.

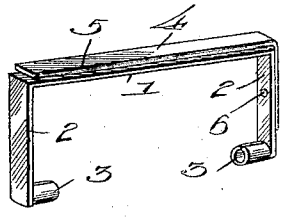
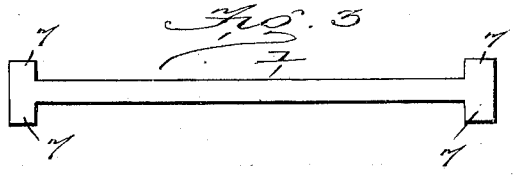


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN METCALFE AND THOMAS BELL, OF ROSCOE, PENNSYLVANIA.

THREAD-HOLDER.

SPECIFICATION forming part of Letters Patent No. 695,322, dated March 11, 1902.

Application filed September 16, 1901. Serial No. 75,523. (No model.)

To all whom it may concern:

Be it known that we, JOHN METCALFE and THOMAS BELL, citizens of the United States, residing at Roscoe, in the county of Washington and State of Pennsylvania, have invented new and useful Improvements in Thread-Holders, of which the following is a specification.

This invention relates to thread-holders, the primary object being to provide a simple and inexpensive holder adapted to be readily applied to a spool of thread to prevent unwinding of the thread except when desired.

A further object of the invention is to combine with a thread-holder a thread-cutter of novel construction and arrangement.

The construction and characteristic features of the invention will be fully described hereinafter in connection with the accompanying drawings and its points of novelty defined in the appended claims.

In the drawings, Figure 1 is a view in front elevation of a spool of thread with our improvement applied thereto. Fig. 2 is a perspective view of the holder and its cutter detached from the spool. Fig. 3 is a plan view of the blank from which the holder is formed.

Referring to the drawings by numerals, 1 designates a U-shaped frame, preferably of spring metal, but which may be made of any other material having flexibility combined with the requisite strength.

The arms 2 of the frame 1 are provided with the hollow split tubular yielding bearings 3. These bearings are inserted in the ends of the bore in the spool, as shown in Fig. 1.

Secured to one of the arms 2 of the frame 1 by rivets or other means is the thread cutter and clamp 4, formed of a strip of spring metal, having one of its edges reduced to a cutting edge 5 and one of its ends bent at right angles to its body portion and secured to the adjacent arm of the holder by a rivet 6. It will thus be seen that by the construction of the thread cutter and clamp 4 its elongated body portion will lie across the top of the frame 1, as shown in Fig. 1. The hollow cylindrical bearings 3 are made integral with the arms 2 of the frame 1 and are formed of two tongues 7, formed on the ends of the arms 2. Each pair of tongues 7 is bent to circular form in cross-section and then directed inwardly at right angles to serve as a bearing.

From the foregoing description it will be perceived that the bearings 3 can be readily inserted in spool-bores of different diameters.

In operation the frame is mounted on the spool of cotton and the thread passed between the strip 4 and the frame 1, as shown in the drawings. After the desired length of thread has been unwound it is held a short distance from the frame by one hand, so as to insure a sufficient amount being left to be readily grasped when more thread is required and the remainder of the thread brought back into contact with the cutter to sever the thread.

A further advantage of the attachment is that the spool of cotton can be placed upon the table without any danger of its rolling off.

It will be seen that we have constructed a device which is simple in construction and effective in operation.

We claim—

1. The combination with an U-shaped flexible frame having hollow bearings formed integral therewith; of a spring-plate extending across the top of said frame, said plate provided with a cutting edge, and means for securing said plate to one of the arms of said frame.

2. A frame for holding a spool of thread, consisting of an approximately U-shaped flexible frame having its ends formed with transverse tongues, each tongue being also bent inward to semicircular form to provide split cylindrical yielding bearings.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN METCALFE.
THOMAS BELL.

Witnesses:
ANNA L. DRUM,
JOHN J. MECHEM.