

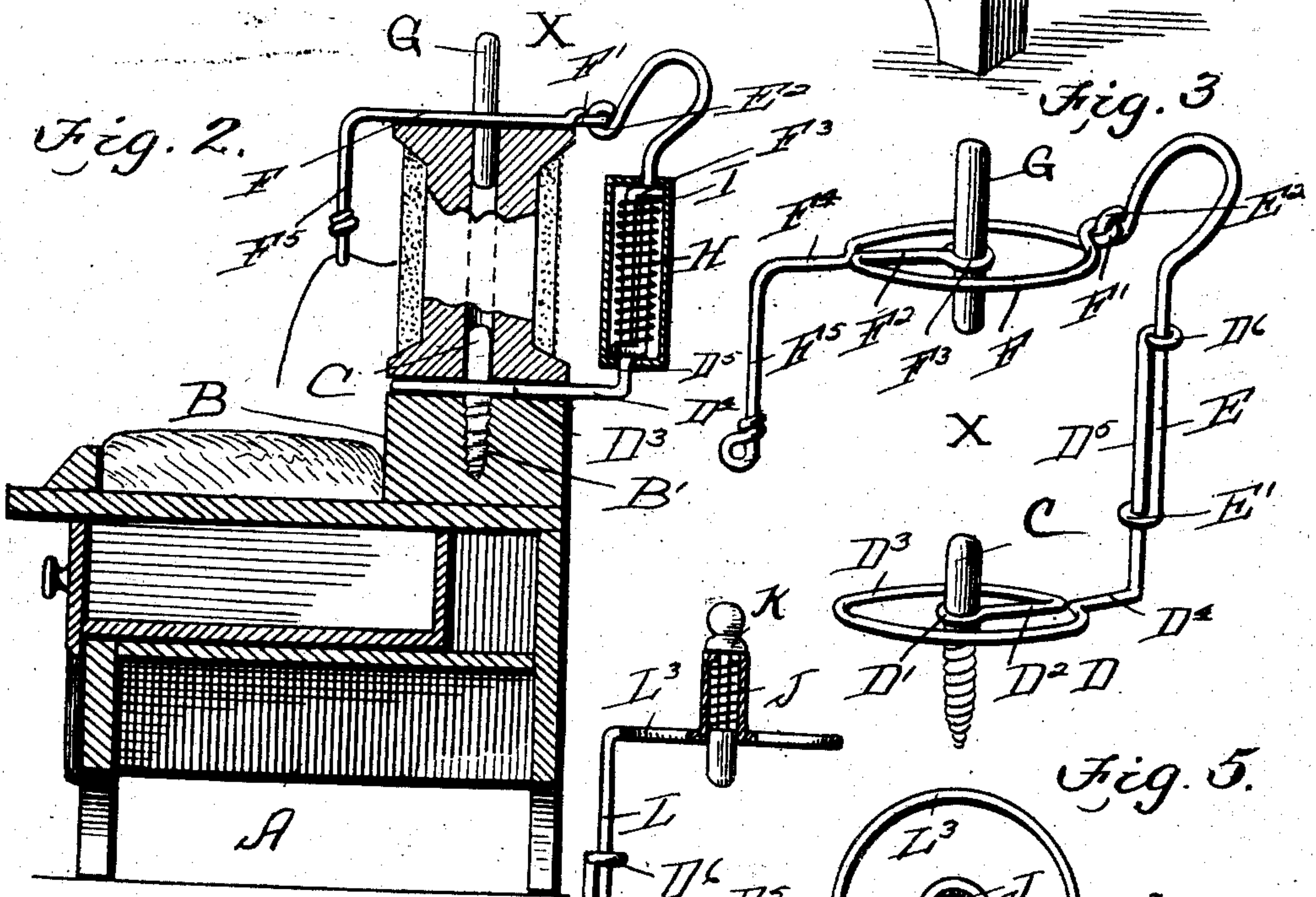
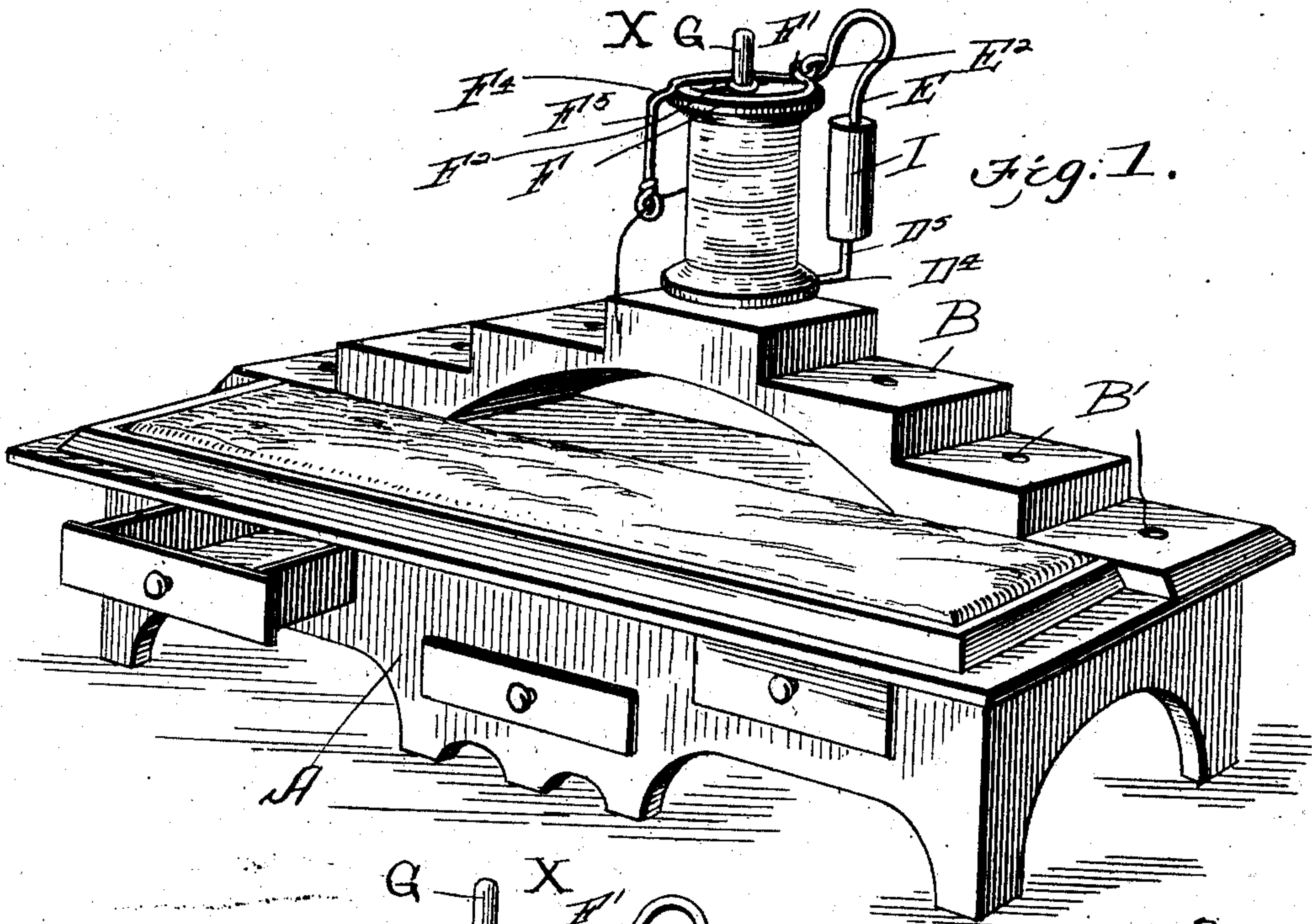
No. 864,161.

PATENTED AUG. 27, 1907.

C. GARVIN.

THREAD HOLDER.

APPLICATION FILED NOV. 21, 1906.



Witnesses
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Fig. 4.

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UNITED STATES PATENT OFFICE

COLUMBUS GARVIN, OF MARION, OHIO.

THREAD-HOLDER.

No. 864,161.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed November 21, 1906. Serial No. 344,470.

To all whom it may concern:

Be it known that I, COLUMBUS GARVIN, a citizen of the United States, residing at Marion, in the county of Marion and State of Ohio, have invented a new and useful Improvement in a Thread-Holder, of which the following is a specification.

This invention relates to spool stands and more particularly to spool holders for the same, the object being to provide a holder which is very simple and cheap in construction and one which will securely hold the spool, and at the same time allow the spool to freely revolve.

Another object of my invention is to provide a holder which can be adjusted to suit different size spools and one which can be easily and quickly opened so that a spool can be readily inserted.

With these objects in view, the invention consists in the novel features of construction, hereinafter fully described and pointed out in the claims.

In the drawings forming a part of this specification:—
Figure 1 is a perspective view of a spool stand showing one of my improved holders in place. Fig. 2 is a sectional view through the stand. Fig. 3 is a perspective view of the holder detached with the spring and casing removed. Fig. 4 is a side elevational view of a modification. Fig. 5 is a sectional plan view of Fig. 4.

In the drawing A indicates a suitable stand or table of any desired construction, upon the top of which is arranged a stepped arch B, on which my improved spool holders are adapted to be arranged. Each step of the arch is provided with a socket B', in which a screw-pin C, of the holder X is adapted to be secured on which the spool is adapted to be arranged. One end of a piece of wire D is secured around the pin at D', then extended outwardly at D² then curved around the pin forming a ring D³ on which the spool is adapted to rest. The wire is then extended outwardly at D⁴, then upwardly at D⁵ and the end is then bent to form a guide eye D⁶ through which passes a wire E the lower end of which is looped around the upwardly extending post D⁵ to form a guide-eye E'. The upper portion of the wire E is looped upwardly and downwardly and the end is bent back to form an eye E² in which the eye F', of the wire ring F is secured, forming a hinge-joint for the same. One end of the wire ring extends inwardly at F² and is looped around a pin G at F³ which is adapted to fit in the bore of the spool. The other end of the wire ring F is bent outwardly at F⁴ then downwardly at F⁵ and the end is

bent around itself to form a guide eye for the strand from the spool. The portion D⁵ of the wire D, and the wire E between the eye D⁶ and eye E' are surrounded by a coil spring H, which is inclosed in a casing I so as to allow the parts to be adjusted to suit different size spools.

In the modification shown in Figs. 4 and 5, a wire L is inserted in the eye D⁶ and its end is bent to form an eye L² which works over the portion D⁵, of the wire D. The upper portion of the wire L is bent to form a ring L³, the end of which is bent inwardly and around a tube J in which is arranged a spring actuated pin K so that it can be raised so as to allow a spool to be inserted.

From the foregoing description it will be readily seen that the upper portion of the holder can be readily swung upwardly so that a spool can be inserted.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a device of the kind described, the combination with a stand, of a pin secured in said stand carrying a ring provided with an upwardly projecting member, a spring actuated loop member mounted on said upwardly projecting member and a ring pivoted to said loop member provided with a central pin for the purpose described.

2. In a device of the kind described, the combination with a stand provided with a stepped arch provided with sockets, of pins arranged in said sockets, rings carried by said pins, spring actuated loops mounted on said rings, and rings hinged to said looped members carrying pins, for the purpose described.

3. In a device of the kind described, the combination with a stand provided with a stepped arch, of pins secured in the steps of the arch, rings secured to said pins, spring actuated loop members adjustably mounted on said rings, and a ring provided with a pin hinged to said looped member, for the purpose described.

4. In a device of the kind described, the combination with a stand provided with a stepped arch provided with sockets, of pins secured in said sockets, a base member secured to said pin, a looped member slidably mounted on said base member, and a ring hinged to said looped member provided with a pin, for the purpose described.

5. In a device of the kind described the combination with a stand, of a pin secured in said stand, a wire ring secured to said pin provided with an upwardly extending portion, a looped member slidably mounted on said upwardly extending portion, and a ring hinged to said looped member provided with a pin for the purpose described.

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Witnesses:

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