

W. P. Patton,

Spool Rack.

No. 96,032.

Patented Oct. 19, 1869.

Fig. 1.

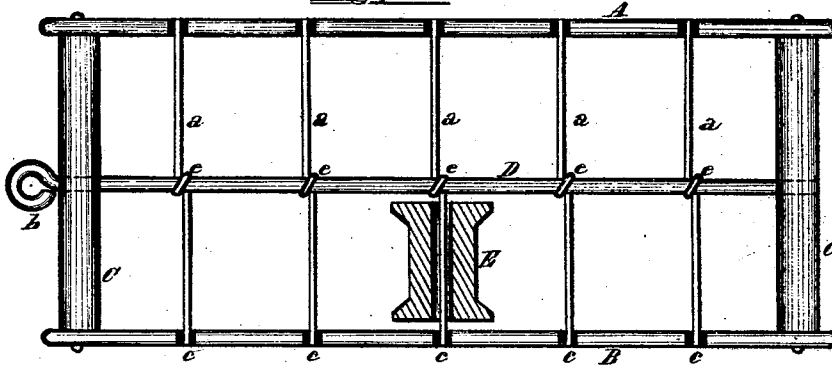


Fig. 2.

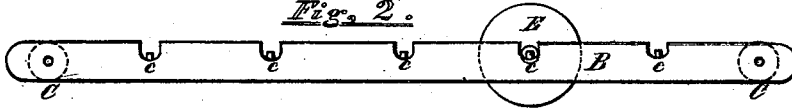
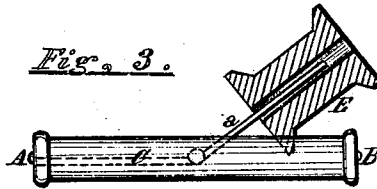


Fig. 3.



Inventor Witnesses.

Wm. P. Patton

Jacob Miller

James M. Foster

United States Patent Office.

WILLIAM P. PATTON, OF HARRISBURG, PENNSYLVANIA, ASSIGNOR TO
HIMSELF AND ALFRED BOMGARDINER, OF SAME PLACE.

Letters Patent No. 96,032, dated October 19, 1869.

IMPROVED SPOOL-RACK.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM P. PATTON, of the city of Harrisburg, county of Dauphin, and State of Pennsylvania, have invented a new and improved "Spool-Rack," for holding spools of sewing-thread; and I hereby certify that the following is a full, clear, and exact description of the same, reference being made to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

In the drawings—

Figure 1 is a perspective view of the rack;

Figure 2 is a side view; and

Figure 3 is an end view of the same.

The point of novelty embodied in this device consists in providing adjustable elastic spring-supports, upon which the spools are placed, and retained by the tension of said springs, they permitting the convenient removal of said spools, as is hereinafter set forth.

In the figures—

A, B represent the side strips of the frame of the rack. They are straight pieces of hard wood, or other suitable material, of a proper length, width, and thickness, and preferably have their edges rounded.

Interposed between said side strips, at their ends, are the rounded end-pieces C, C.

They are rigidly secured in place by screws, nails, or other proper method, and taken together with the side strips A, B, form an oblong rectangular frame, as seen in fig. 1.

At a point midway between the ends of the pieces C, C holes are perforated through said pieces, for the reception of the centre-rod D. This is simply a piece of wire of proper size, having a ring formed upon one of its ends. It is of sufficient length to pass through both of the end-pieces C, C, and be properly secured in place.

Before securing it, the spring-supports *a a a a*, &c., are placed in position upon it.

These supports are made of spring wire, or other suitable material. They are of sufficient length to reach from the outside of strip A to the outside of strip B. (See fig. 1.)

At about the middle of said supports an eye is formed, by giving them a spiral wind of one turn around a piece of wire of proper diameter to insure said eye being of proper size to encircle neatly the body of the centre-rod D.

The ends of the spring-supports *a a a a*, &c., rest in notches cut in the edges of the side strips A, B, as seen in figs. 1 and 2, at *c c c*, &c.

These notches or recesses are intended to retain the spool-supports in proper position, in relation to each other, and also prevent their ends from catching upon obstructions.

Any suitable number of these supports can be combined with the frame.

The manner of using this rack is obvious. It is grasped in the left hand, the middle finger pressed upward against the spring-support. A spool is then slipped upon it.

The rack can thus be filled expeditiously.

The springs, bearing with their ends upon the side strips, prevent the spools from being accidentally displaced.

A spool is shown in position in fig. 1.

Fig. 3 shows the position assumed by the spring-support during the operation of inserting or placing the spool.

The removal of spools is accomplished by simply grasping one between the fingers, and giving an upward and outward pull. This will instantly release the spool by a single effort.

Having given a full, clear, and exact description of my invention, and its manner of operation,

What I claim as new, of my invention, and desire to secure by Letters Patent of the United States, is—

The combination of the elastic spring spool-supports *a a a a*, &c., with the frame of a spool-rack, constructed and operating substantially as herein set forth.

WM. P. PATTON. [L. s.]

Witnesses:

A. C. SMITH,
C. S. BEARD.