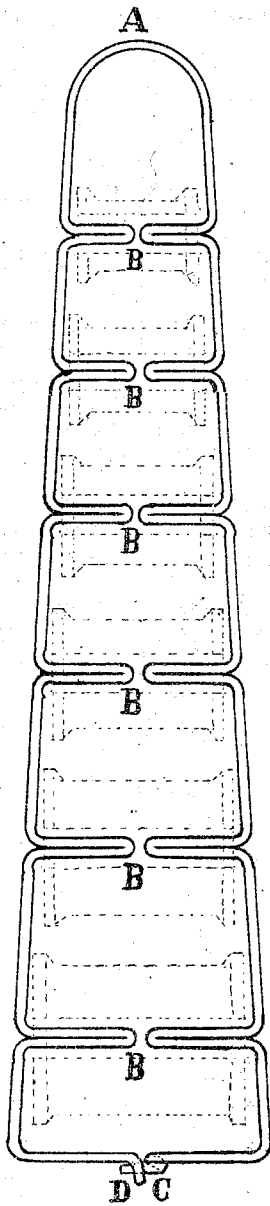


Andrew W. Warrens Improved Spool Holder.

No. 120,135.

Patented Oct. 17, 1871.



Witnesses:

Robert H. Thurston
Jno. Pennington

Inventor.

Andrew W. Warren

UNITED STATES PATENT OFFICE.

ANDREW W. WARREN, OF ANNAPOLIS, MARYLAND.

IMPROVEMENT IN SPOOL-HOLDERS.

Specification forming part of Letters Patent No. 120,135, dated October 17, 1871.

To all whom it may concern:

Be it known that I, ANDREW W. WARREN, of Annapolis, in the county of Anne Arundel and State of Maryland, have invented certain Improvements in Spool-Holders, of which the following is a specification:

The first part of my invention relates to the manner of holding the spools in their places; the object of this part of my invention being to keep one or more spools together without derangement or confusion by means of the wire bands and points therefrom fitting into the ends of each spool. The second part of my invention relates to the manner of fastening the wire frame at the ends by means of a hook and eye, so that the holder may be opened and the spools changed at any time.

A is the wire frame passing across the ends of the spools. B B B B B are the several points bent from the frame A, and entering the

holes in the spools and keeping them in their place. C is the hook, and D the eye into which it fastens, securing the frame from spreading. This part unhooks and allows the frame A and the points B B B B B to free the spools and put others in their places.

I claim as my invention—

1. The combination of the wire frame A with the points B B B B B, more or less, and fastened at the end by the hook C and eye D, substantially as and for the purpose hereinbefore set forth.

2. The improved spool-holder constructed of a single piece of wire, and operating as specified, substantially as and for the purpose hereinbefore set forth.

ANDREW W. WARREN.

Witnesses:

ROBERT H. THURSTON,
JNO. PEMBERTON.

(38)