

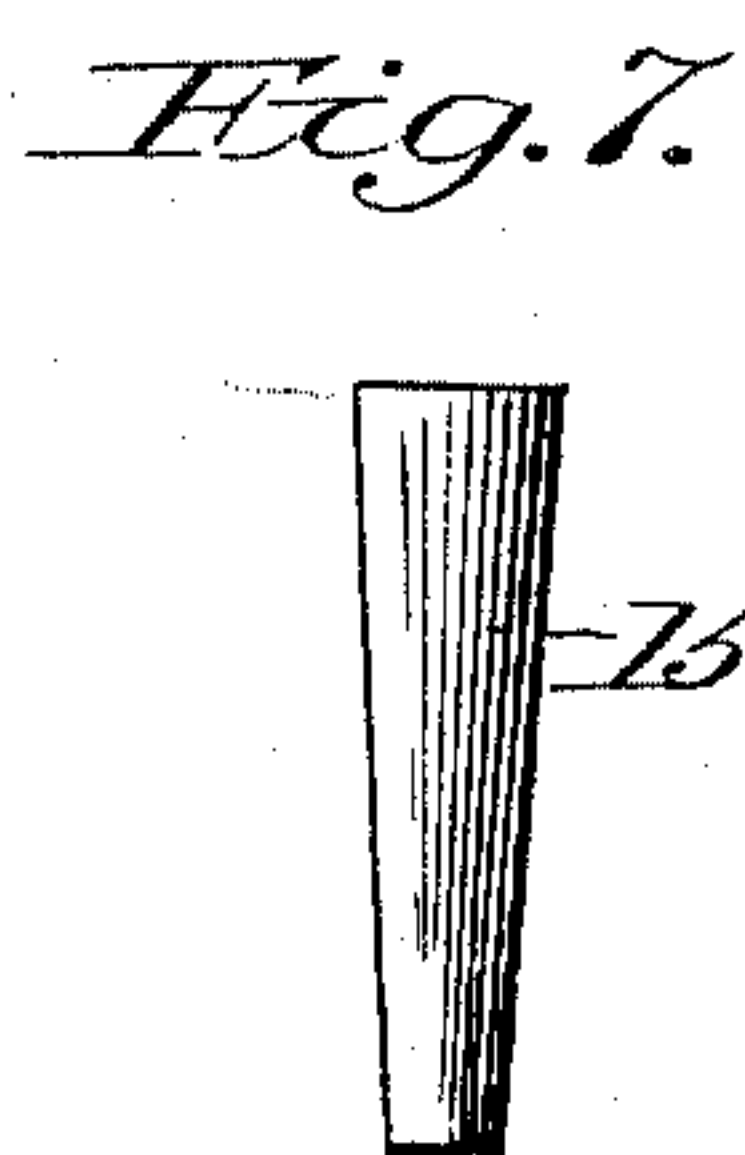
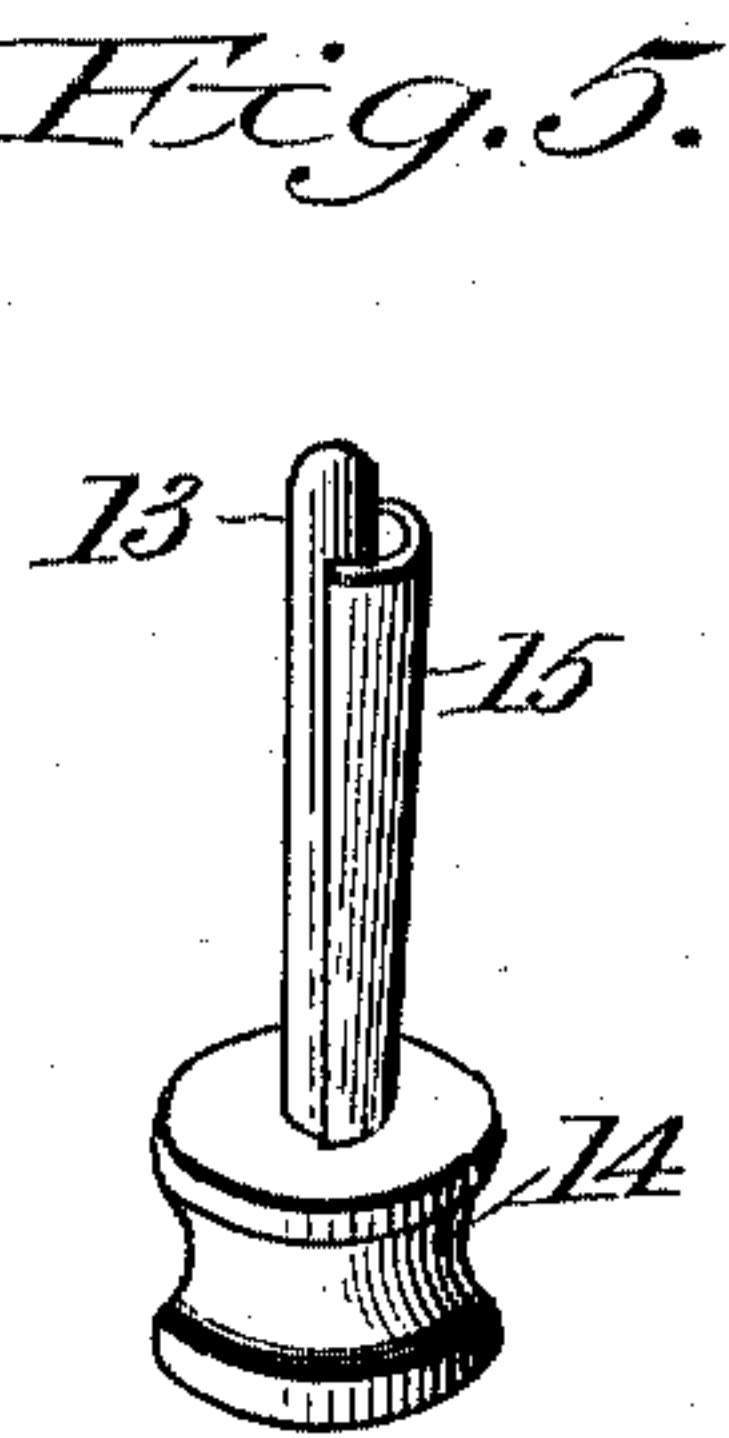
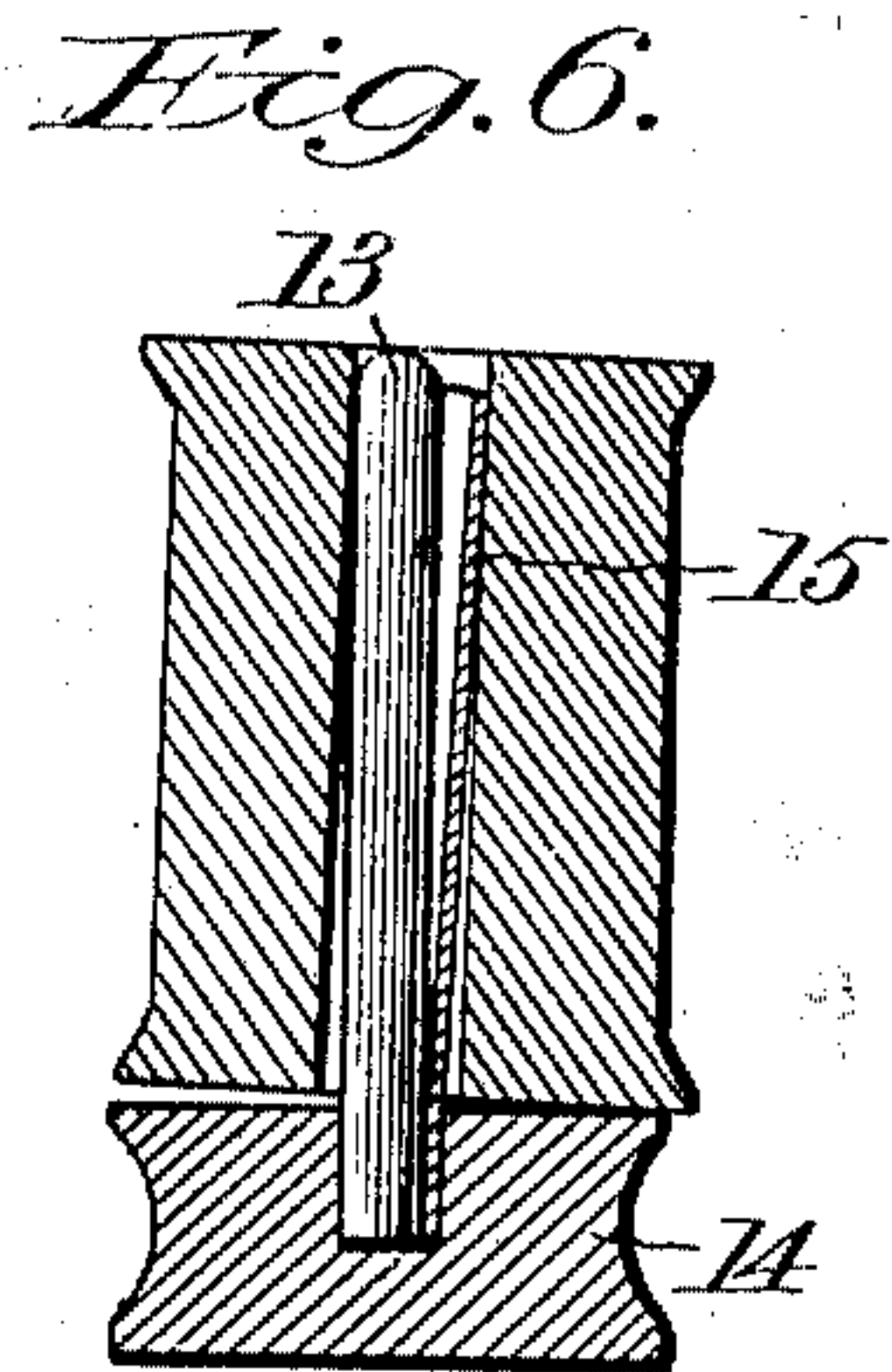
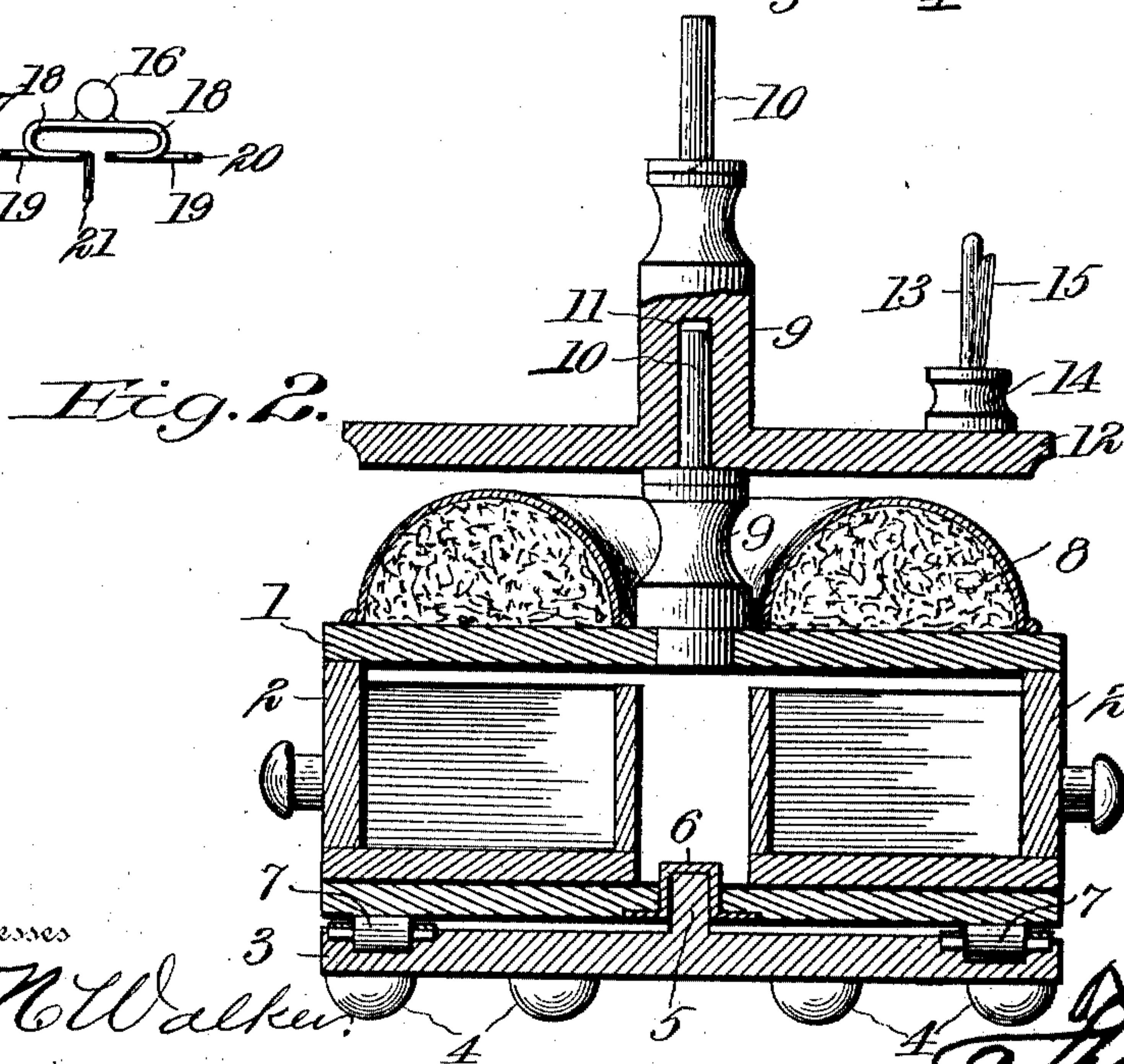
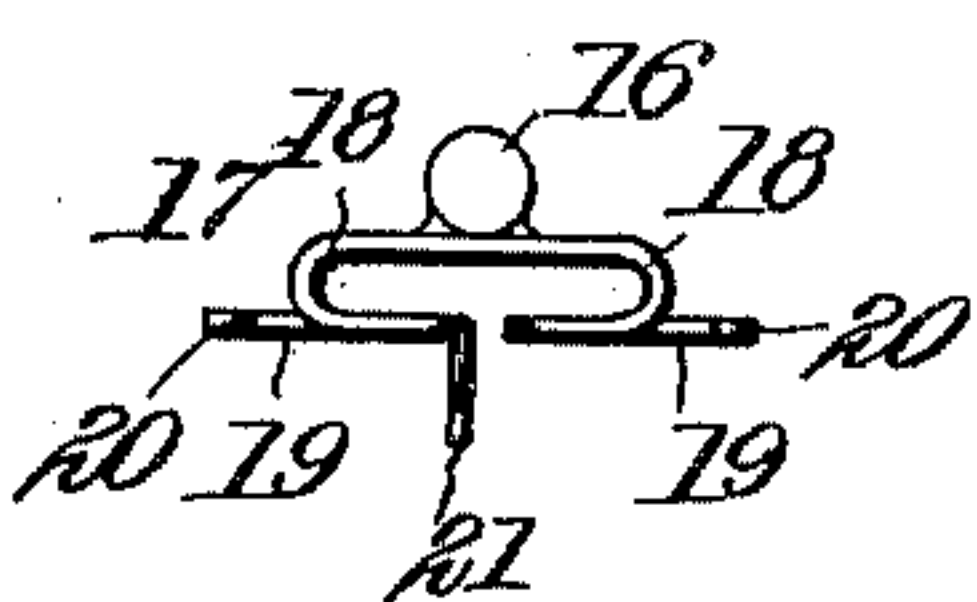
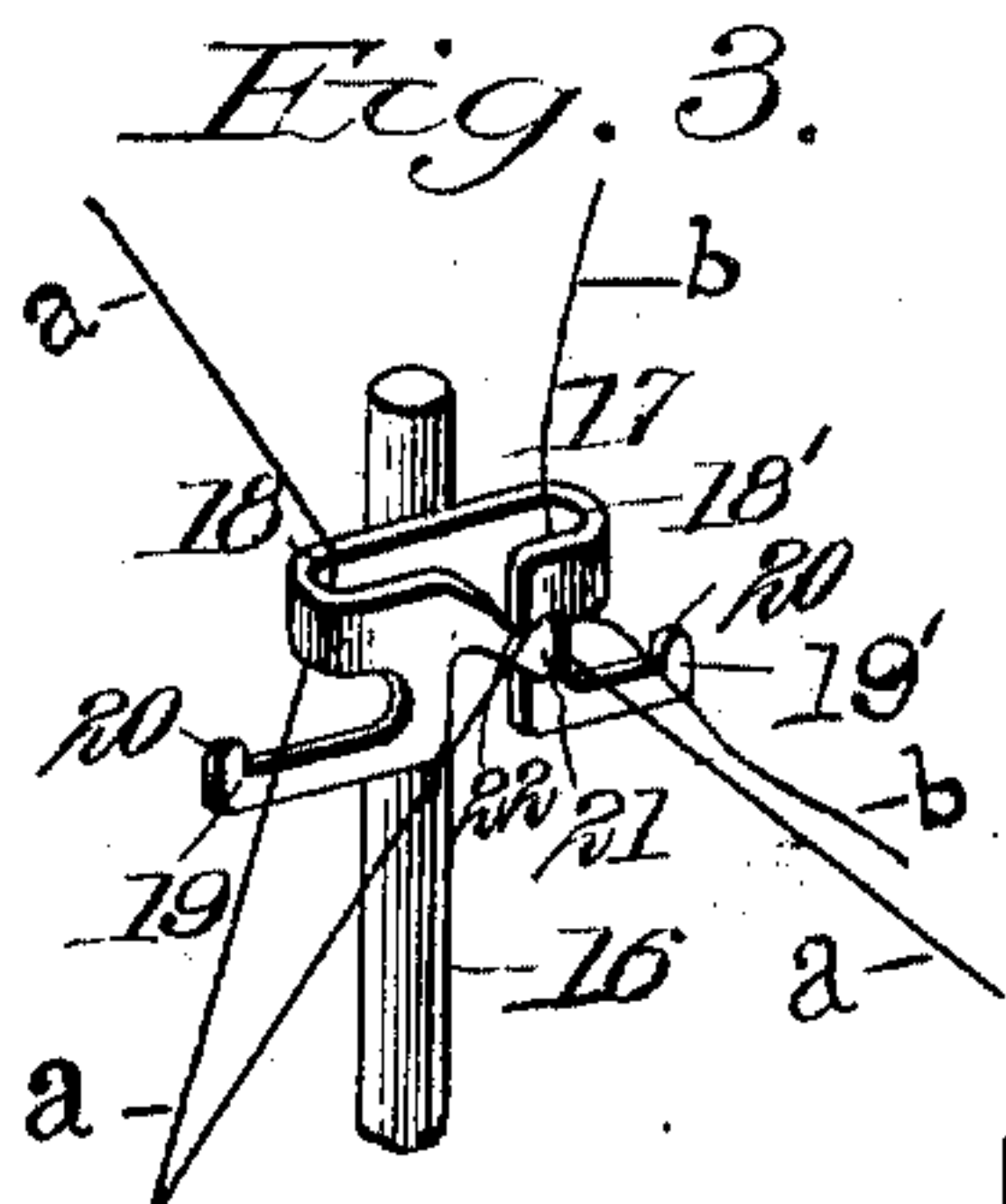
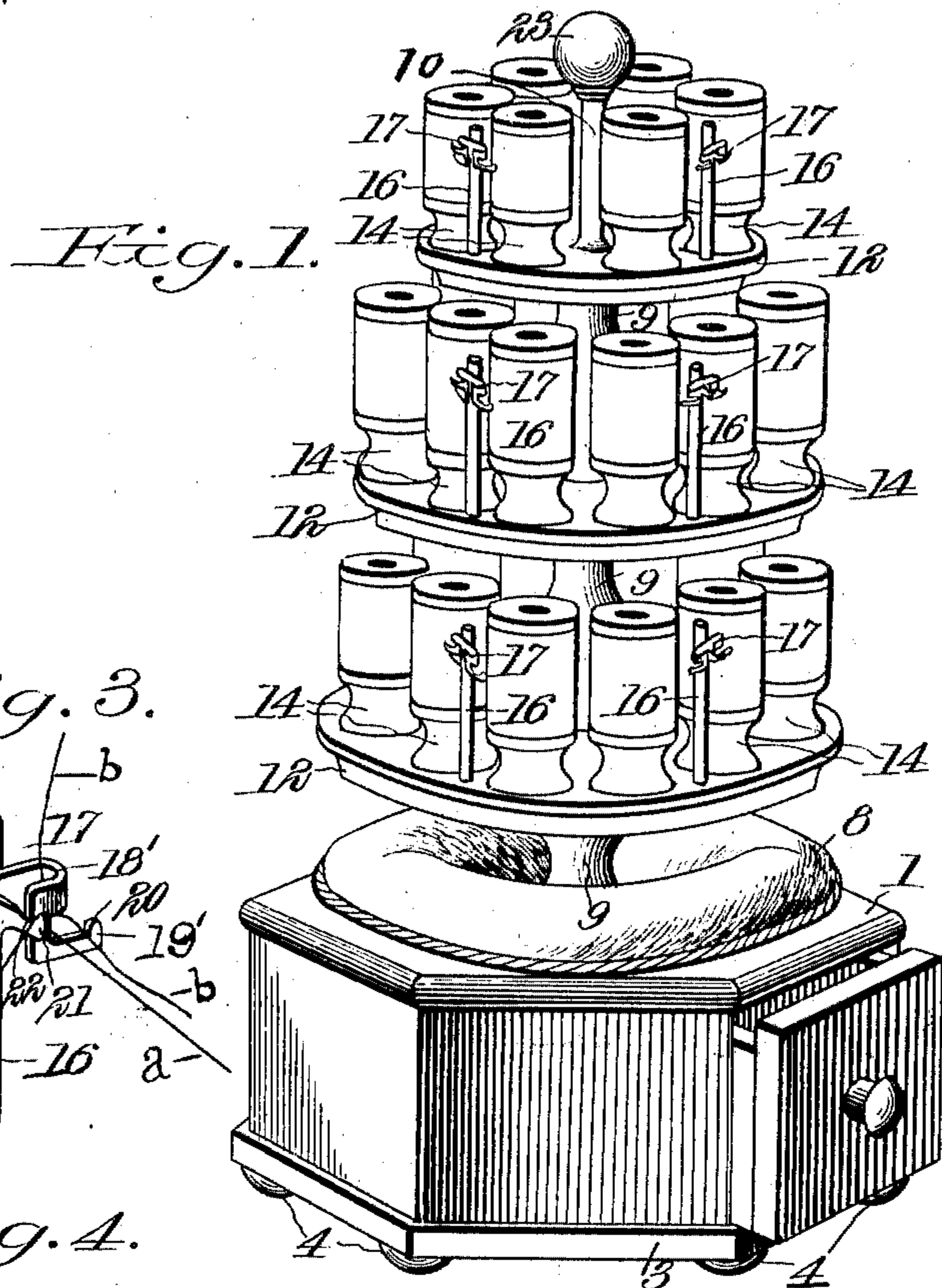
No. 760,365.

PATENTED MAY 17, 1904.

O. YATES.  
SEWING CABINET.

APPLICATION FILED JULY 13, 1903.

NO MODEL.



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# UNITED STATES PATENT OFFICE.

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## SEWING-CABINET.

SPECIFICATION forming part of Letters Patent No. 760,365, dated May 17, 1904.

Application filed July 13, 1903. Serial No. 165,367. (No model.)

*To all whom it may concern:*

Be it known that I, ODAVILLE YATES, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Sewing-Cabinets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-  
 10 pertains to make and use the same.

This invention relates to a combined work-cabinet and spool-rack for holding sewing implements, such as scissors, thimbles, needles, pins, thread, &c.; and the object is to provide  
 15 a simple and inexpensive device of this character wherein the several parts or elements are conveniently arranged and aggrouped to permit ready access to the sewing material and implements.

A further object is to provide a plurality of spool-carrying platforms on which is mounted a plurality of thread-guides and thread-cutters adapted to maintain a tension on the thread and prevent the same from getting entangled.

With these and other objects in view the invention consists in the novel construction, combination, and operative aggroupment of the parts, all as will be described hereinafter, illustrated in the accompanying drawings, and  
 30 finally pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of my combined work-cabinet and spool-rack embodying all the features of my invention. Fig. 2 is a longitudinal vertical section through the base or cabinet and one of the spool-carrying platforms, showing the manner of supporting the platforms. Fig. 3 is a detail in perspective of one of the thread-guides and its cutter on an enlarged scale. Fig. 4 is  
 35 a plan view of one of the thread-guides, and Fig. 5 is a detail in perspective of one of the spool-spindles and the retaining device associated therewith. Fig. 6 is a detail of one of the spool-spindles with a spool mounted thereon and showing the spool and retaining device in vertical section. Fig. 7 is an elevation of the retaining device detached.

Making renewed reference to the drawings, 1 designates a suitable case or cabinet, preferably of hexagonal shape and provided with  
 50 one or more drawers 2, which may contain buttons, thimbles, scissors, or other sewing implements or material. This cabinet is rev-  
 olubly mounted upon a base-plate 3, having feet 4 thereon and a central boss 5, adapted to  
 55 fit within a socket 6 in the bottom of the cabinet, and a plurality of antifriction-rollers 7 may be journaled in the top of the base-plate 3 to provide a bearing for the bottom of the cabinet and by means of which the latter may  
 60 be easily rotated. On the top of the cabinet is a needle and pin cushion 8, which is arranged concentric to the axis of the cabinet. From the top of the cabinet extends a boss or pedestal 9, in which is fitted an upstanding spindle 10.  
 65 Each of the spool-carrying platforms is provided with a pedestal and a spindle similar to that mounted on the cabinet, and in the bottom of each spool-carrying platform there is formed a socket 11 to receive the spindle 10,  
 70 whereby each spool-carrying platform may be rotated independently of any of the others and of the cabinet, and, if desired, one or more of the spool-carrying platforms may be dispensed with—as, for instance, the intermediate  
 75 one (designated by A in Fig. 1) may be removed, and the upper platform mounted on the spindle of the lower platform, according to the number and variety of threads used. The spool-  
 80 carrying platforms are designated by 12 and consist of a circular plate, around which is arranged a plurality of spindles 13 in single or double rows, as may be desired. These spindles are secured in a suitable base or standard  
 85 14, which is attached to the spool-carrying platform in any suitable manner. When the spindles 13 are inserted in the bore of the standards 14, a retaining device 15 is also wedged therein, and this retaining device  
 90 consists of a resilient plate bent to partially envelop the periphery of the spindle, and for this purpose it is preferably made semicircular in cross-section and tapering from its upper end toward its lower end, so that the upper end  
 95 will provide a gradually-increased bearing-surface for the bore of the spool, which when placed upon the spindle is prevented from being accidentally dislodged or unnecessarily rotated to unwind more thread than required. The upper end of this retaining device is nor-  
 100



mally spread a slight distance from the spindle and by virtue of its resilient nature is permitted to yield inwardly toward the spindle when the spool is applied or rotated by a direct pull on the thread, and during such rotation the spool will have a tendency to move downward and remain seated on the standard 14, since the bore of the spool near the bottom is not engaged by the retaining device with the same degree of pressure.

Mounted on each of the spool-carrying platforms, near the periphery thereof, are a plurality of posts 16, which are spaced apart at suitable distances, and secured to each post is a thread-guide and thread-cutter 17. Each thread-guide is formed from sheet metal and has its ends bent inwardly toward each other to provide guide-loops 18 and 18', the blank having previously been cut to form guide-arms 19 and 19', which extend outwardly in opposite directions from the lower edge of the ends of the loops and lie in the same vertical plane therewith and have their extremities formed with an upward extension 20, which confines the thread within the slot or space between the lower edge of the loop and the arm. The end of one of the guide-loops is bent outwardly at right angles, as at 21, to provide a thread-cutter, the cutting edge of which is formed with a concavity or reëntrant portion 22 to facilitate the application of the thread to the cutter and to insure a clean cut when the thread is passed over the same. The posts carrying the thread guides and cutters are so arranged that there will be one thread-guide for each pair of spools, the thread from one spool, as at *a*, passing through the guide-loop 18 and over the guide-arm 19 at one end of the guide, and the thread from the other spool, as at *b*, passing through and over the opposite loop 18' and arm 19', as shown more clearly in Fig. 3. The thread-loop and guide-arm arranged in this way maintains a tension on the thread and prevents more than the required amount of thread being unwound from the spools and avoids the threads getting entangled. When the thread from any one of the spools is to be used, the end of the thread is drawn through the guide-loop and over the arm until the amount required has been unwound, and then by passing the thread *a* over the cutter 21, as shown in Fig. 3, the thread is readily severed.

A suitable ball 23 is secured to the top of the spindle 10 of the upper spool-carrying platform, and while the spool-carrying platforms are shown in the drawings as being of different sizes, with the smallest one at the top, it is apparent that they may all be of the same size and arranged in any convenient manner, and other changes in the form, proportion, and minor details may be made within the scope of the claims without departing from the spirit of the invention.

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

1. A device of the class described comprising a cabinet, and a plurality of spool-carrying platforms arranged one above the other and revolubly mounted on and supported by each other and by the cabinet.

2. In a device of the class described, a base-plate, a cabinet rotatable upon the base-plate, a spindle projecting from the top of the cabinet, and a plurality of spool-carrying platforms, each having a socket and a spindle and mounted for rotation independently of each other.

3. In a device of the class described, a cabinet having a spindle projecting from the top thereof, a plurality of spool-carrying platforms, each having a socket and a spindle, the spindle of the cabinet engaging the socket of one of the spool-carrying platforms and the spindle of each spool-carrying platform engaging the socket of another spool-carrying platform, whereby each spool-carrying platform is supported by and rotatable independently of another spool-carrying platform and of the cabinet.

4. In a device of the class described, a spool-carrying platform having spindles on which the spools are mounted, and a resilient spool-retaining device of substantially semicircular shape in cross-section surrounding a portion of the periphery of each spindle.

5. In a device of the class described, a spool-carrying platform having spool-spindles mounted thereon, and a retaining device for the spools consisting of a resilient plate bent in semicircular shape in cross-section and extending longitudinally of each spool-spindle and having its upper end normally held distended from the spindle.

6. In a device of the class described, a spool-carrying platform having standards thereon and spool-spindles mounted in the standards, and a retaining device for the spools comprising a resilient plate bent in semicircular shape in cross-section and tapering from its top toward its bottom and having its widened upper end normally held distended from the spindle.

7. In a device of the class described, the combination with a spool-carrying platform having spool-spindles mounted thereon, of a plurality of thread-guides spaced apart around the platform and arranged alternately with relation to each pair of spool-spindles, each of the thread-guides being formed from a blank, the ends of which are bent inwardly toward each other to provide guide-loops, substantially as specified.

8. In a device of the class described, the combination with a spool-carrying platform having spindles on which the spools are mounted, of a plurality of combined thread-guides and cutters mounted on the platform and ar-



10 ranged alternately with relation to each pair  
of spool-spindles, each of the thread-guides  
being formed from a blank and having its ends  
bent inwardly toward each other to provide  
5 guide-loops and having the extremity of one  
of said ends bent outwardly to form a thread-  
cutter, substantially as specified.

9. In a device of the class described, the  
combination with a spool-carrying platform  
10 having spindles on which the spools are mount-  
ed, of a plurality of combined thread-guides  
and cutters mounted on the platform and ar-  
ranged alternately with relation to each pair  
of spool-spindles, each of said thread-guides

being formed from a blank which has its ends 15  
bent inwardly toward each other to provide  
thread-loops on each end thereof and having  
guide-arms which extend outwardly in oppo-  
site directions from the lower edge of the ends  
of the loops, the extremity of one of said guide- 20  
loops being bent outwardly at right angles to  
provide a thread-cutter.

In testimony whereof I affix my signature in  
presence of two witnesses.

ODAVILLE YATES.

Witnesses:

THOS. SHELDEN,  
WM. G. BECK.