

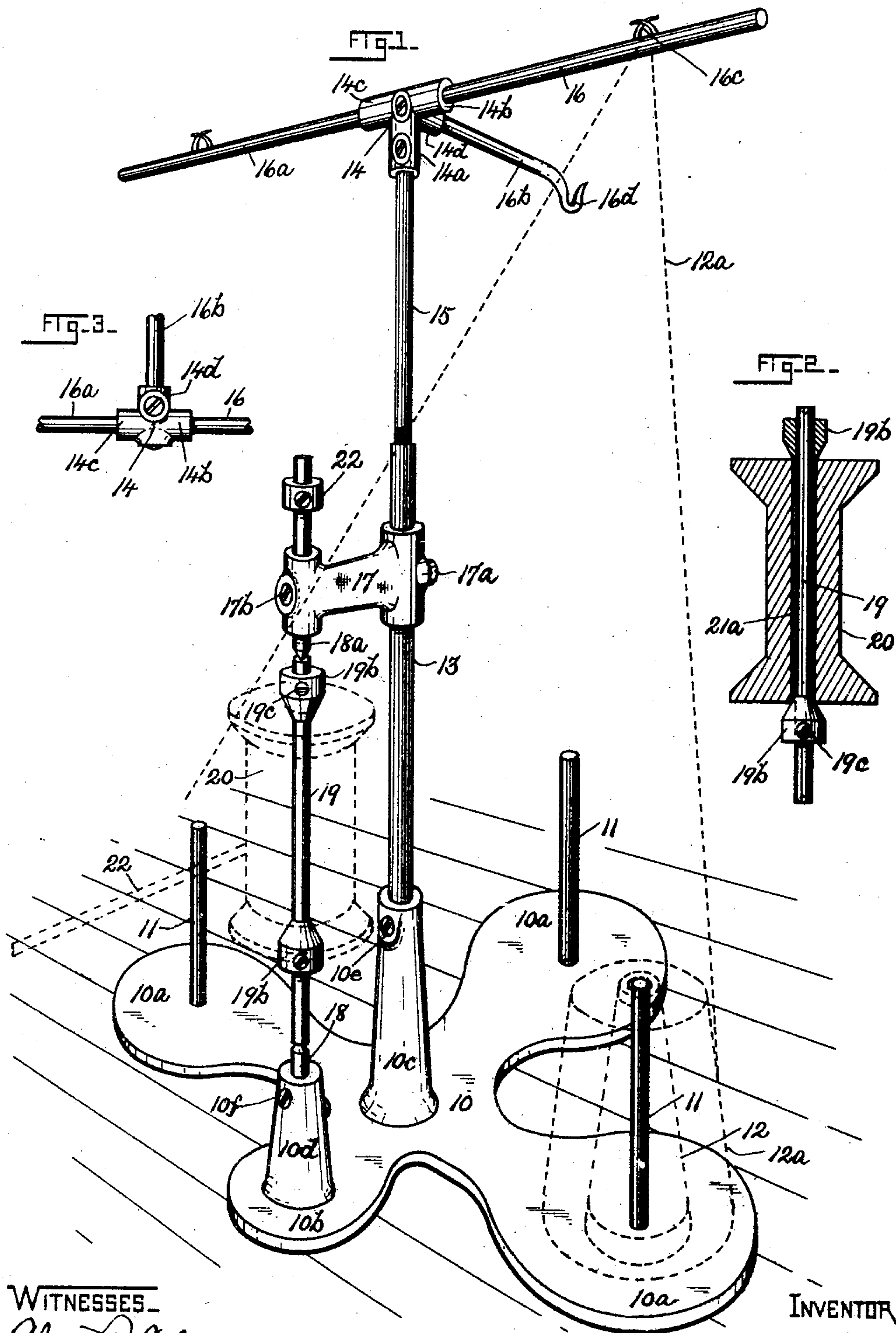
No. 765,153.

PATENTED JULY 12, 1904.

W. H. STEDMAN.  
THREAD AND TAPE STAND.

APPLICATION FILED OCT. 21, 1902.

NO MODEL.



WITNESSES.  
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# UNITED STATES PATENT OFFICE.

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## THREAD AND TAPE STAND.

SPECIFICATION forming part of Letters Patent No. 765,153, dated July 12, 1904.

Application filed October 21, 1902. Serial No. 128,158. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. STEDMAN, a citizen of the United States, residing in the city and county of Hartford, State of Con-  
necticut, have invented certain new and useful  
Improvements in Thread and Tape Stands; and  
I do hereby declare the following to be a full,  
clear, and exact description of the same, refer-  
ence being had to the accompanying drawings,  
forming a part of this specification, and to the  
figures of reference marked thereon.

This invention relates to that class of de-  
vices employed in connection with sewing-ma-  
chines for supporting cones of thread and  
spools of tape or cord adjacent the machine  
and in such manner that the said thread and  
tape or cord may render freely from the cones  
and spools to the machine, the particular de-  
vice illustrated being termed a "tape-thread  
stand."

The object of the invention is to provide a  
stand that shall be useful in supporting and  
supplying tape or cord and thread to sewing-  
machines, and particularly to overseaming-  
machines when applying tape or cord to the  
edge of the fabric in connection with the over-  
seaming operation, the said stand being adapt-  
ed to so support the tape-spools and thread-  
cones that the tape and thread may render  
freely to the machine, the tape being laid upon  
the edge of the fabric and covered and se-  
cured thereto by the overseam-stitches pro-  
duced from the thread.

The invention consists in embodying in a  
single stand supports for non-rotating thread-  
cones and for rotating spools of tape or cord,  
a rotatable support being provided for the  
said spools; and the said invention further con-  
sists in various novel details of construction,  
all as hereinafter fully described, and pointed  
out in the claims.

In the accompanying drawings, Figure 1 is  
a perspective view of the stand. Fig. 2 is a  
detail view showing a spool in cross-section  
to illustrate the manner of supporting the  
same. Fig. 3 is a plan view illustrating a de-  
tail of construction.

Like reference-numerals indicate the same  
parts.

The number 10 indicates a base-plate pref-  
erably consisting, as shown, of three radiat-  
ing arms  $10^a$  of uniform shape and length and  
a fourth somewhat shorter radiating arm  $10^b$   
of similar shape, the angle of radiation of the  
arms being substantially ninety degrees; but  
the exact number of the arms and their angle  
of radiation is immaterial to this invention.  
At the center of radiation of the arms the base-  
plate 10 is formed with a vertically-extending  
socket  $10^c$ , and the arm  $10^b$  is provided with a  
similar, though preferably somewhat shorter,  
socket  $10^d$ . The arms  $10^a$  each have located  
therein a vertical pin 11 to serve as a central  
support for and to prevent horizontal displace-  
ment of a thread-cone 12, as will be readily un-  
derstood by reference to Fig. 1. A vertical rod  
13 is adjustably secured in the central socket  
 $10^c$  by a screw  $10^e$ , said rod serving to support  
a separable head or upper portion of the stand.  
The said head is formed by what may be termed  
a "central" element 14, having the several ra-  
diating socket-arms  $14^a 14^b 14^c 14^d$ , in the first-  
named of which ( $14^a$ ) there is secured the upper  
end of the rod 15, the opposite end of which is  
threaded and adapted to enter a tapped hole  
in the upper end of the rod 13, as shown  
in Fig. 1. The other arms carry rods 16  
 $16^a 16^b$ , extending out over the several pins  
11 and forming guides over which the thread  
 $12^a$  renders from the cones on the pins 11 in  
its course to the machine. The rods  $16^a 16^b$   
are preferably provided with means to pre-  
vent displacement of the thread thereon, such  
as the wires  $16^c$  or the hook  $16^d$ .

The vertical rod 13 in addition to support-  
ing the head or upper portion of the stand  
also supports a horizontally-extending arm  
17, preferably adjustably secured to the rod  
13 by the screw  $17^a$ , the outer end of the arm  
extending over the socket  $10^d$  of the base 10.  
Adjustably secured in the arm and socket by  
screws  $10^f 17^b$  are short rods  $18 18^a$ , arranged  
in vertical alinement and having pointed ends  
forming centers between and on which a spin-



dle 19 is supported and adapted to be rotated, said spindle being provided at either end with center holes for the reception of the points of the center rods 18 18<sup>a</sup>.

5 The spindle 19 forms a central support for the spool 20, the latter being secured to the said spindle for vertical adjustment by collars 19<sup>b</sup>, adjustably secured to the spindle by screws 19<sup>c</sup>. The confronting portions of the  
10 collars are conical in order that they may readily enter the central hole 21<sup>a</sup> of the spool to center and support the latter on the spindle.

When a tape-spool is supported in the manner shown and described, it is free to rotate  
15 as the tape or cord is drawn therefrom, thus allowing the said tape or cord to render to the machine without undue tension.

A stop such as the collar 22 is preferably provided, said stop being adapted to rest on  
20 the arm 17 to position the center rod 18<sup>a</sup>, whereby the spool may be removed and the rod 18<sup>a</sup> replaced accurately without careful setting each time the spool is removed, the stop also retaining the center rod 18<sup>a</sup> in place  
25 when the screw 17<sup>b</sup> is loosened and the spindle 19 removed.

The described stand is of very simple construction, and being formed with parts readily disorganized and reassembled may be packed  
30 for shipment in comparatively small space, while the manner of supporting the cones and the spool and the adjustments in connection with the spool-support enable cones and spools of practically any size to be mounted on the  
35 stand.

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

1. A thread and tape stand comprising a  
40 base portion, pins in the base portion forming holders for the thread-cones, a vertical rod secured in the base portion, a head or upper portion supported by the rod and to which the thread renders from the cones, an arm on the  
45 rod, centers supported respectively by the

arm and the base portion, a spindle supported by and rotatable on said centers and conical collars adjustable on the spindle for supporting the spool, substantially as described.

2. A thread and tape stand comprising a 50 base portion, pins in the base portion forming holders for the thread-cones, a vertical rod secured in the base portion, a separable head or upper portion supported by the rod and having radial arms extending respectively 55 over the pins and to which arms the thread renders from the cones, an arm on the rod, centers supported respectively by the arm and the base portion, a spindle supported by and rotatable on said centers and collars adjust- 60 able on the spindle and having conical confronting portions adapted to enter the hole in a spool to center and support the spool on the spindle, substantially as described.

3. A spool-stand embodying a spindle and 65 means for securing a spool thereon, a center rod engaging one end of the spindle and an adjustable center rod engaging the opposite end of the said spindle, a collar adjustable on the last-named center rod and adapted to form 70 a stop to limit the movement of the center rod in its support, substantially as described.

4. A thread and tape stand comprising a base portion, a vertical rod secured in the base portion, an arm on the rod, a spindle sup- 75 ported on centers and means for securing a spool to the said spindle, a center rod in the base portion engaging one end of the spindle and an adjustable center rod movably mounted in the arm and engaging the opposite end 80 of the spindle, an adjustable collar on the last-named center rod adapted to engage the said arm to limit the movement of the center rod therein, and means for supporting thread-cones, substantially as described.

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Witnesses:

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