

D. SCHULER.
 DEVICE FOR INSERTING RIBBON IN EMBROIDERY.
 APPLICATION FILED JAN. 31, 1912.

1,051,521.

Patented Jan. 28, 1913.

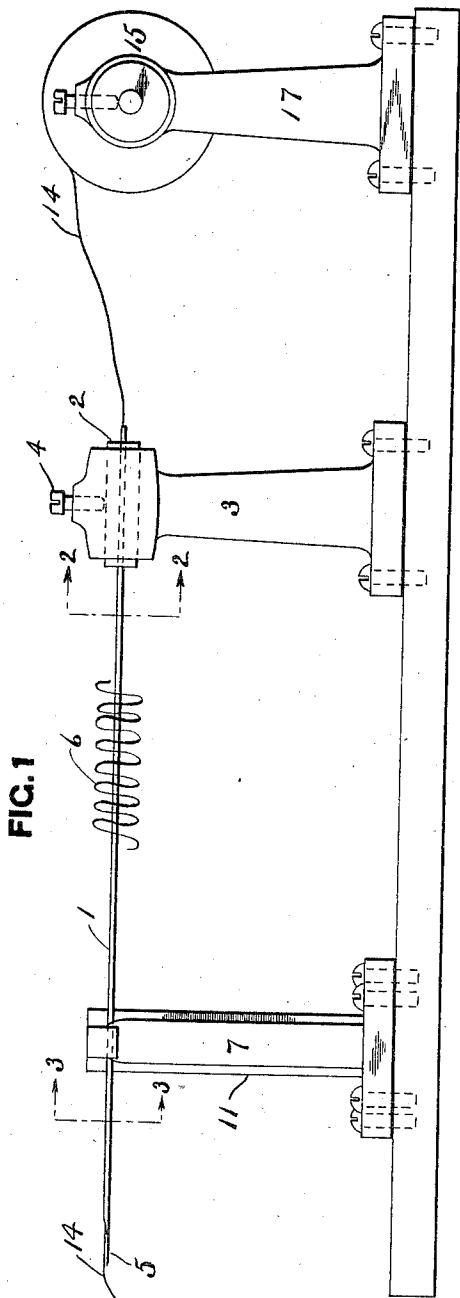


FIG. 1

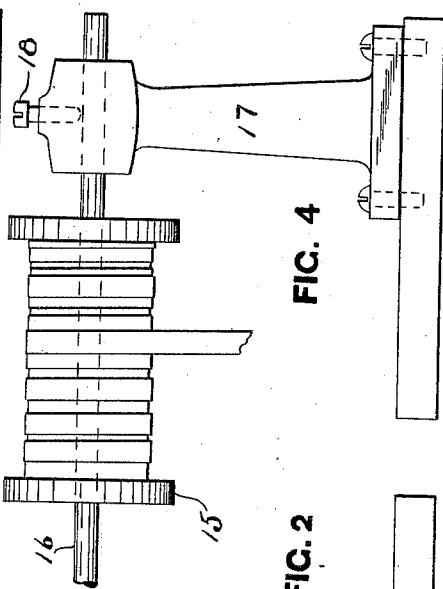


FIG. 2

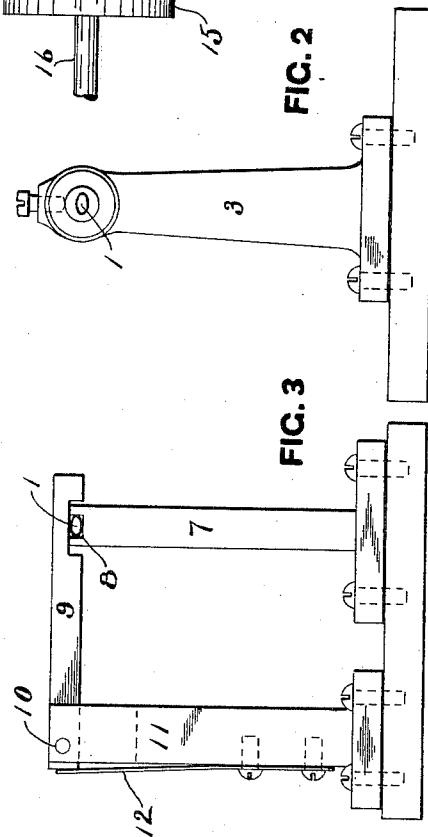


FIG. 3

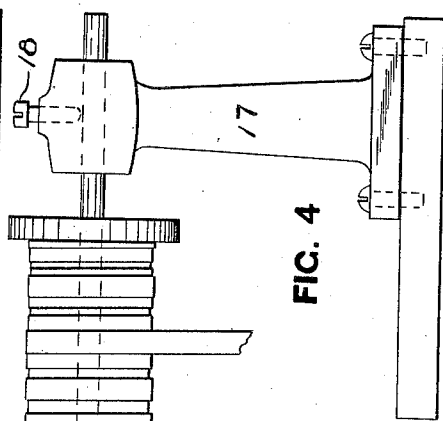


FIG. 4

WITNESSES

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UNITED STATES PATENT OFFICE

DAVID SCHULER, OF MEADVILLE, PENNSYLVANIA, ASSIGNOR TO THE SPIRELLA COMPANY, OF MEADVILLE, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

DEVICE FOR INSERTING RIBBON IN EMBROIDERY.

1,051,521.

Specification of Letters Patent.

Patented Jan. 28, 1913.

Application filed January 31, 1912. Serial No. 674,433.

To all whom it may concern:

Be it known that I, DAVID SCHULER, a resident of Meadville, in the county of Crawford and State of Pennsylvania, have invented a new and useful Improvement in Devices for Inserting Ribbon in Embroidery, of which the following is a specification.

This invention relates to a device for inserting ribbons, cords, bands and the like in embroidery or in pockets of garments.

The object is to provide a device of very simple construction by means of which the ribbons, cords, strings, or bands can be inserted in fabrics of very great length, of irregular shape, or even surrounding a circular opening, such as around the arm hole openings of garments.

The invention comprises the construction and arrangement of parts hereinafter described and claimed.

In the accompanying drawing Figure 1 is a side elevation of the device; Fig. 2 is a transverse section on the line 2—2, Fig. 1; Fig. 3 is a similar view on the line 3—3, Fig. 1; and Fig. 4 is an elevation of the spool holder.

The essential element of the device comprises a long hollow bodkin or needle 1, which is formed from a very thin tube of sufficient internal diameter to permit the cord, string, band or ribbon to readily pass therethrough. At one end this needle is secured in a sleeve 2 which is held in a suitable upright or support 3, being clamped therein by set screw 4. The needle extends entirely through the sleeve 2 so that both ends are open. The free end of the needle is bluntly pointed by angularly cutting away one of its sides as at 5, to form a blunt point for readily inserting it through the openings in the embroidery or the pocket of the garment. The needle is held horizontally in the stationary support 3 and the operator works the fabric or garment onto the free end thereof, by hand, the fabric or garment being gathered on the needle in waves or plaits, as will be readily understood. The needle is of such length that a fabric of great length or even a garment of large size can be entirely worked upon the same, and it is also possible to work thereupon a garment in which the ribbon or the like is to entirely surround an

opening, as, for instance, the arm hole openings in garments. A portion of fabric is indicated at 6 on the needle. On account of the great length of the needle it is preferable to provide some kind of a steadying support for the free end thereof. The support shown comprises a standard or upright 7 having in its upper end a groove or depression 8 for receiving the needle 1, and having in conjunction therewith a holding down member 9 pivoted at 10 to another standard or upright 11 to which is secured a plate spring 12 bearing against the end of bar 9 to hold the same in horizontal position. This bar 9 and the support 7 steadies the free end of the needle, but the bar can be readily thrown upwardly to permit the fabric to pass beyond the same, when the bar will be held in such position by engagement of the spring 12 with the side face of the bar.

The ribbon, cord or band 14 is threaded through the needle with the end of the ribbon just protruding from the free end of the needle, and when the fabric is fully worked upon the needle the operator takes hold of the end of the ribbon or band and also the garment or fabric and simply draws the two endwise off from the needle, sweeping the gathered fabric along the needle and simultaneously drawing the ribbon through the fabric. This operation can be very speedily performed and results in the proper distribution of the ribbon in the fabric. It will of course be understood that the needle is somewhat springy and sufficiently flexible so that it may be bent away from the groove in support 7 to pass folds of the fabric onto the portion of the needle between support 7 and upright 3. The ribbon or band is shown wound upon spool 15 rotatable upon a support 16 held in a standard or upright 17 by means of set screw 18, the support being in line with the supported end of the needle so that the ribbon or band runs easily off the spool to thread the needle.

The device described is of very simple construction, very easy to operate, and by means of it it is possible to insert ribbons, bands, cords or strings through embroidery, as well as the pockets or loops in garments of any character. It can be readily adapted for inserting ribbons or bands of any width by making the needle one of proper size. It

saves much time and labor in establishments where much insertion of ribbons or bands must be done.

What I claim is:

5 1. A ribbon, band, or like thread device, comprising a support and a hollow pointed bodkin or needle secured at one end in said support but extending entirely therethrough and open at both ends for the passage of the
10 ribbon, band, or the like therethrough, being held thereby in horizontal position with its free end adapted to have the fabric gathered thereon, and a supplemental support for the needle adjacent to its free end, comprising,
15 a standard having a groove or depression for receiving the needle, a second standard, a member pivotally connected to said second standard and having a cut-away portion and arranged to cover said groove, and a spring
20 bearing against said member and adapted to hold the same engaged with or disengaged from said first named standard.

2. A ribbon, band, or like thread device, comprising a support, and a hollow pointed
25 bodkin or needle secured at one end in said support but extending entirely therethrough and having its other end pointed and free and being open at both ends for the passage of the ribbon, band, or the like therethrough,

being held by said support in horizontal 30 position with its free end adapted to have the fabric gathered thereon, a supplemental support near the free end of the needle upon which the needle rests, and a spring pressed member arranged to hold the needle against 35 said supplemental support.

3. A ribbon, band, or like thread device, comprising a support, and a hollow pointed bodkin or needle secured at one end in said support but extending entirely therethrough 40 and open at both ends for the passage of the ribbon, band, or the like therethrough, being held thereby in horizontal position with its free end adapted to have the fabric gathered thereon, and a supplemental sup- 45 port for the needle adjacent to its free end and having a depression for receiving the needle, a pivotally supported member arranged to be moved to cover or uncover said depression, and a spring arranged to hold 50 said member in either of said positions.

In testimony whereof, I have hereunto set my hand.

DAVID SCHULER.

Witnesses:

EDITH EDMAND,
E. R. BLEW.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."