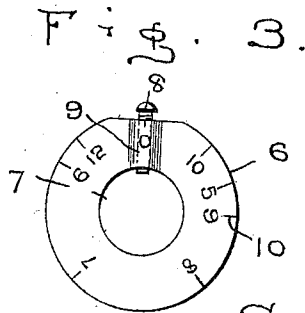
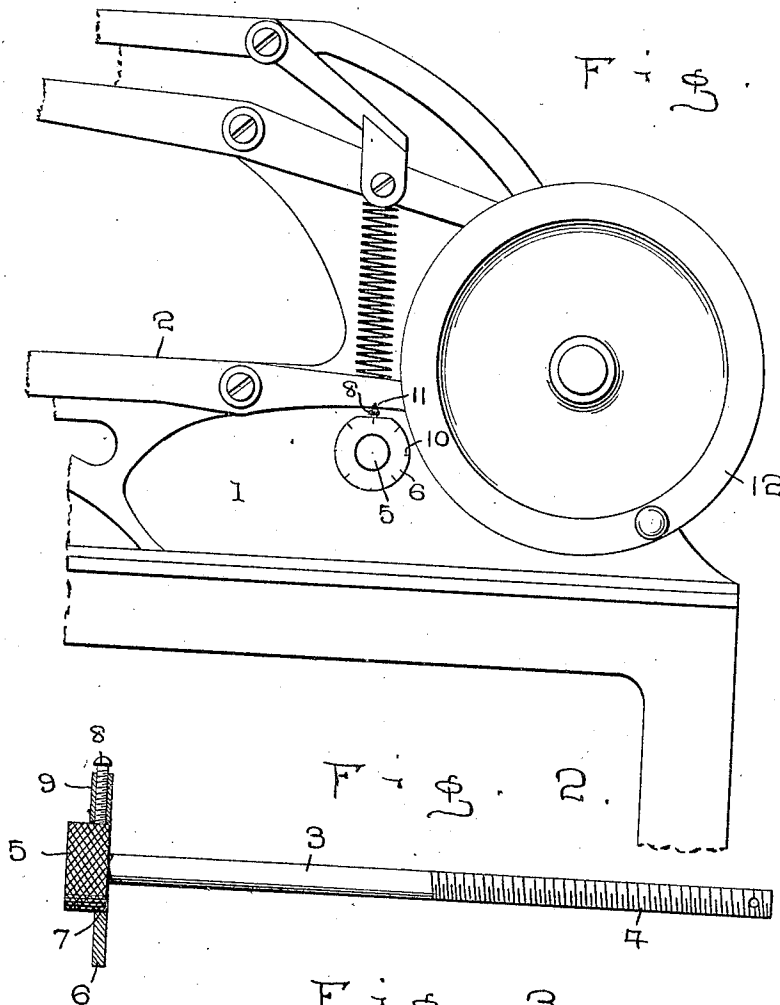


C. L. WILSON.
 INDICATOR FOR STITCH REGULATING DEVICES.
 APPLICATION FILED APR. 6, 1909.

952,162.

Patented Mar. 15, 1910.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES L. WILSON, OF REMINGTON, INDIANA.

INDICATOR FOR STITCH-REGULATING DEVICES.

952,162.

Specification of Letters Patent.

Patented Mar. 15, 1910.

Application filed April 6, 1909. Serial No. 488,266.

To all whom it may concern:

Be it known that I, CHARLES L. WILSON, a citizen of the United States, residing at Remington, in the county of Jasper and State of Indiana, have invented certain new and useful Improvements in Indicators for Stitch-Regulating Devices; 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 appertains to make and use the same.

My invention relates to new and useful improvements in indicators for stitch regulating devices and more particularly to that class adapted to be used in connection with the patent to Dobyne, No. 566,286, used on the Landis harness sewing machine and my object is to provide means whereby the stitch regulating device may be quickly operated to obtain the required number of stitches and a further object is to provide means for attaching the indicator to the stitch regulating bolt.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claim.

In the accompanying drawings forming part of this application, Figure 1 is a detail elevation of a portion of a harness sewing machine showing my improved register attached thereto. Fig. 2 is a side elevation of the stitch regulating bolt showing my improved indicator applied thereto and in section, and, Fig. 3 is an elevation of the indicator removed from the bolt.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the frame of the machine, upon which is mounted a rocking arm 2, said arm being employed for feeding the article being sewed through the machine and as the operation of said arm forms no part of my invention, further description thereof will be omitted.

Extending laterally through the frame 1 is a bolt 3, one end portion of which is provided with threads 4 which are to engage certain parts of the machine to increase or decrease the number of stitches to the inch, the free end of said bolt having a head 5, the peripheral surface of which is preferably milled as shown and by engaging said head with the thumb and finger, the bolt may be readily rotated to change the number of stitches to the inch, the turning of the bolt

to the right, increasing the number of stitches, while turning the bolt to the left decreases the number of stitches to the inch.

It has heretofore been found difficult to obtain the exact number of stitches required without considerable difficulty in adjusting the bolt 3 and to overcome this objectionable feature and provide means whereby the exact number of stitches may be obtained instantly, I provide a disk 6, which is provided with a central opening 7 of sufficient diameter to snugly receive the head 5, said disk when properly located, being fixed to the head by means of a binding screw 8, which screw passes through a threaded socket 9 in the disk 6 and engages the milled surface of the head 5, thereby holding the disk against independent rotation of the head. The disk 6 is positioned on the head 5, so that a sufficient portion of the head will be exposed for rotating the bolt and by providing division points 10 on the outer face of the disk and placing an index point 11 on the arm 2 immediately above the axial center of the bolt 3, the required number of stitches to the inch may be readily had by turning the bolt until the division point indicating the number of stitches required to the inch, comes in registration with the index point 11 on the arm 2, the division points being numbered as shown and preferably from 5 to 12. That portion of the peripheral edge of the disk 6 adjacent the socket 9 is flattened, whereby the binding screw 8 may be formed shorter than would be possible if the disk were completely circular, the object in so shortening the binding screw being to obviate the possibility of the head of the screw engaging the wheel 12 of the machine, should the binding screw work loose and the disk turn on the head 5 to bring the screw in the path of the wheel.

In operation, after the bolt has been once adjusted to obtain a certain number of stitches, the disk is positioned on the head of the bolt and the division point indicating the number of stitches being made, brought into registration with the indicating point on the arm 2, when the binding screw 8 is turned into engagement with the head 5 and the disk clamped in position on the head, when, if it is desired to lengthen the stitches or reduce the number to the inch, supposing the disk to be set at the division point 12, the bolt 3 is turned to the left until the proper division point is brought into registration with the indicating point 11 and

likewise in the opposite direction to increase the number of stitches and in view of the fact that the division points on the disk are accurately placed to obtain the proper number of stitches, this operation may be accomplished almost instantly as by turning the head until the division point indicating the number of stitches sought is brought into registration with the index point 11, the operator knows that the proper number of stitches will be made.

What I claim is:

A device of the character described comprising a pivoted arm, a screw threaded shaft having a head at one end thereof, a graduated disk applied to said head and

having a flattened portion on its periphery, said disk also having a threaded socket passing longitudinally through said disk at said flattened portion and a binding screw adapted to be applied to said socket for the retention of said disk on said head, said pivoted arm having an index point for coöperation with the graduations on said disk.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES L. WILSON.

Witnesses:

DAVID V. GUNISON,
IDA M. DECKER.