J. C. HAUSSLER.

SILK FEEDING HOOK ATTACHMENT FOR SEWING MACHINE NEEDLE BARS.

APPLICATION FILED JAN. 23, 1909.

927,795. Patented July 13, 1909.

Fig. 1.

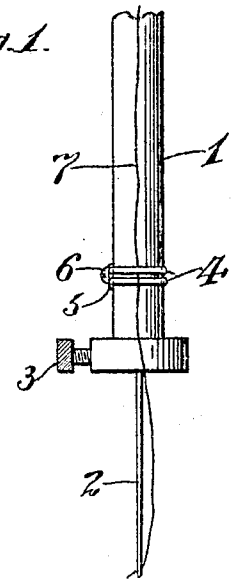


Fig. 2.

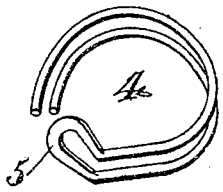
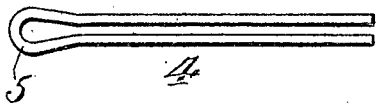


Fig. 3.



Witnesses
Thos. Rosemund.
J. A. L. Mulhall.

Inventor
John C. Haussler,
By Joshua R. Potts.
Attorney

UNITED STATES PATENT OFFICE.

JOHN C. HAUSSLER, OF POTTSVILLE, PENNSYLVANIA.

SILK-FEEDING HOOK ATTACHMENT FOR SEWING-MACHINE NEEDLE-BARS.

No. 927,795. Specification of Letters Patent. Patented July 13, 1909.

Application filed January 23, 1909. Serial No. 473,791.

To all whom it may concern:

Be it known that I, JOHN C. HAUSSLER, a citizen of the United States, residing at Pottsville, in the county of Schuylkill and State of Pennsylvania, have invented certain new and useful Improvements in Silk-Feeding Hook Attachments for Sewing-Machine Needle-Bars, of which the following is a specification.

My invention relates to an improved silk feed hook-attachment for sewing machine needle bars, the object of the invention being to provide an improved detachable hook, which can be readily placed in position upon a needle bar, and which will so regulate and control the feed of silk to the needle as to prevent frequent breaking of the silk, as is the case with attachments now in use.

There is in common use, a hook-attachment for sewing machines, which comprises a single wire hook extending around the needle bar, and under which the silk passes in its movement to the needle. This single hook merely acts as a guide for the silk, and does not in any way control the feed, but merely prevents the silk from flying outward from the upper end of the needle bar to the needle. With such a hook the silk frequently accumulates in considerable quantity about the needle, and becomes more or less knotted, so that the quick reciprocation of the needle will break the silk. To prevent this my improved attachment was devised, as will be more fully hereinafter explained.

In the accompanying drawings, Figure 1, is a view in elevation illustrating the application of my improvements to a sewing machine needle bar. Fig. 2, is a view of the device removed. Fig. 3, is a view of the device before bending.

1 represents an ordinary needle bar, having a needle 2 secured therein by means of the clamping screw 3, and 4 represents my improved attachment, which comprises a single piece of wire bent at a point midway between its ends forming an eye 5, and the latter flattened at its sides so as to engage smoothly against the needle bar 1, to receive a clamping screw 6 and securely clamp the attachment to the needle bar.

The ends of the wire are curved around the needle bar as clearly shown, and the silk 7 is passed inside of the upper hook and outside of the lower hook, and then down through the eye of the needle 2. When my improved attachment is employed around a needle bar, the two wire hooks will exert a breaking action of the silk passing between them, so as to sufficiently retard the feed of silk and allow just the proper amount to be drawn to the needle as the latter reciprocates, and will prevent an accumulation of silk at the needle, where it would become knotted and broken by the movement of the needle.

The spring hooks are sufficiently elastic and flexible, so as not to retard the feed of silk to any material extent, but only just enough to prevent an accumulation of silk at the needle. The single hook in ordinary use, either binds the silk against the needle bar, or else allows such a large quantity to pass through, that its accumulation at the needle results in the breaking of the silk, and my improvements though extremely simple, are a vast improvement over the single hook construction as has been demonstrated in practical use.

Slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the claims.

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

1. As an article of manufacture, a double hook attachment for sewing machine needle bars, adapted to be positioned around the needle bar of a sewing machine.

2. As an article of manufacture, a double hook attachment for sewing machine needle bars, comprising a single wire bent between its ends forming two hooks adapted to be po-

sitioned around the needle bar of a sewing machine.

3. As an article of manufacture, a double hook attachment for sewing machine needle bars, comprising a single piece of wire bent between its ends forming a flattened eye, and two hooks adapted to be positioned around the needle bar of a sewing machine.

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

JOHN C. HAUSSLER.

Witnesses:
WALTER I. RAHN,
JAS. W. ZIEBACH.