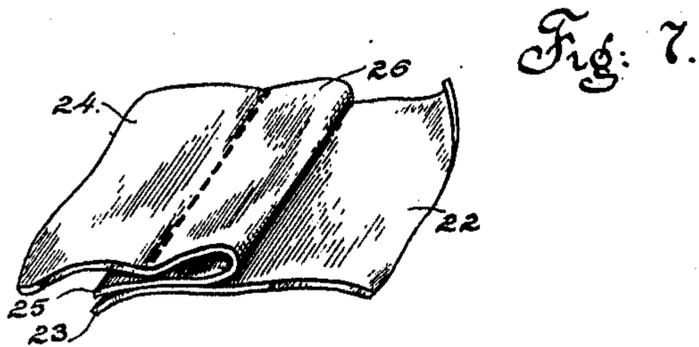
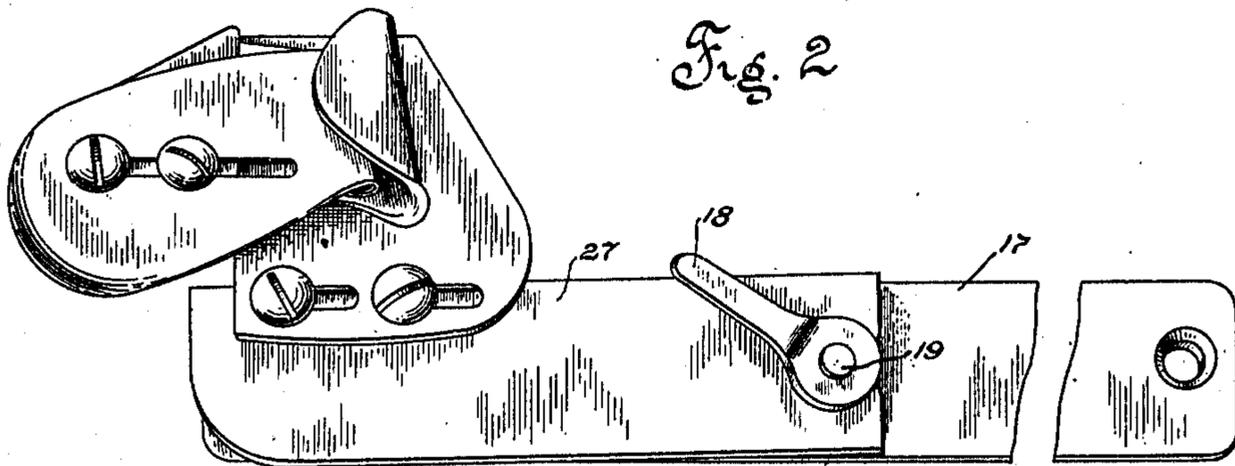
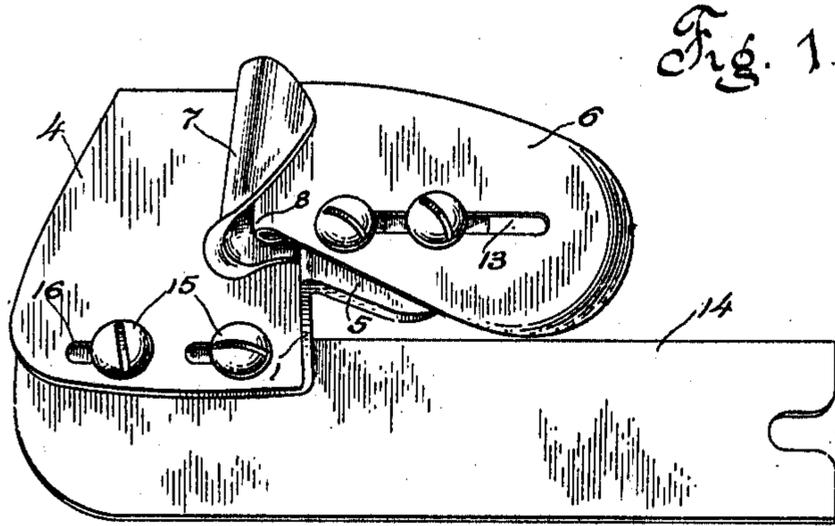


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APPLICATION FILED MAR. 18, 1910.

993,564.

Patented May 30, 1911.

2 SHEETS—SHEET 1.



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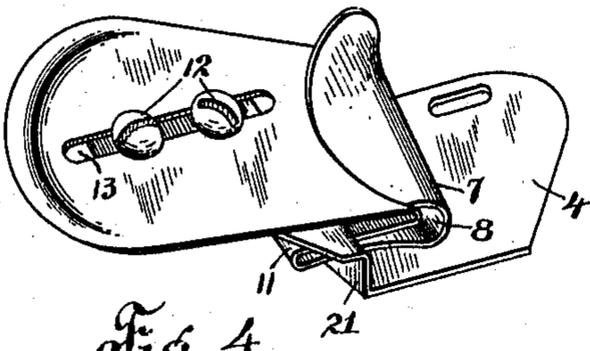


Fig. 4.

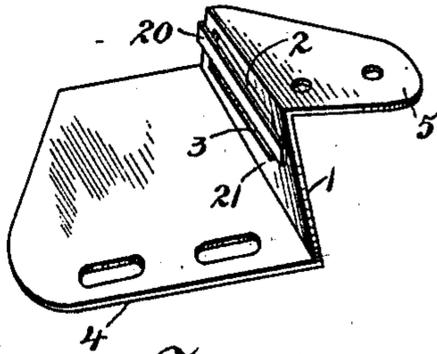


Fig. 5.

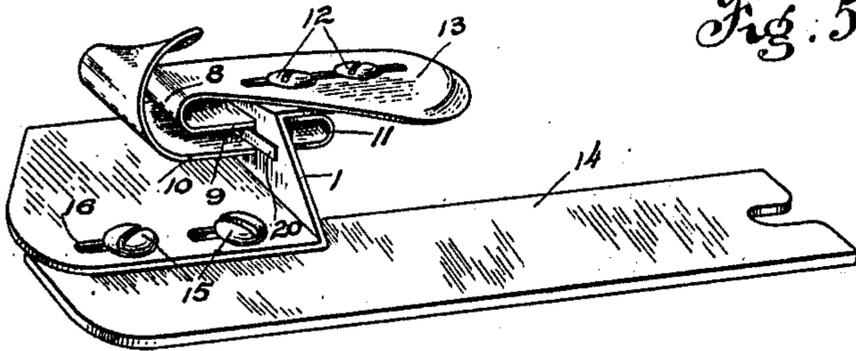


Fig. 3.

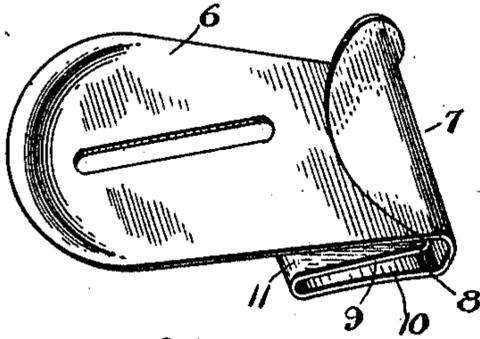


Fig. 6.

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UNITED STATES PATENT OFFICE.

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WELT-GUIDE FOR SEWING-MACHINES.

993,564.

Specification of Letters Patent.

Patented May 30, 1911.

Application filed March 18, 1910. Serial No. 550,199.

To all whom it may concern:

Be it known that I, CHARLES STEGEMANN, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Welt-Guides for Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in welt-guides for sewing machines, and has for its object to provide an improved construction and render more convenient and practical the adjustments necessary for forming welts of different widths and for placing the same either at the right or left of the seam, as desired; and to this end a scroll-guiding element and a scroll-holding frame have been provided, the former of which consists of an integral piece of metal so shaped and mounted, with respect to said scroll-holding frame, that the relationship of the superposed raw edges of the materials remain unchanged with respect to the seam formation for forming varying widths of welts.

While the invention is herein shown and described as including means for locating the welt at the left of the seam, it is to be understood that it is not limited in this respect.

In the accompanying drawings illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a perspective view of the right hand guide, together with the attachment base. Fig. 2 is a perspective view of the left hand guide and attachment base, together with the main base-plate and the means for securing thereto the attachment base. Figs. 3 and 4 are perspective views of the front side and delivery end, respectively, of the guide shown in Fig. 1. Fig. 5 is a perspective view of the scroll-holding frame. Fig. 6 is a perspective view of the scroll-guiding element. Fig. 7 is a perspective view showing the relationship of the superposed plies of material as they leave the delivery end of the right hand guide.

In describing the invention, reference will be made mainly to the construction of the right hand guide, as it will be readily understood that the left hand guide comprises the same elements except that they are shaped

and arranged to lay the folds comprising the welt in the opposite direction.

The welt-guide comprises a scroll-holding frame and a scroll-guiding element. Said frame consists of a standard 1 provided with slots or openings 2 and 3, standard base 4 and bracket 5, and the scroll-guiding element is formed, in the present instance, of an integral piece of metal and comprises a cloth or attaching plate 6, an outer folding scroll 7, inner folding scroll 8, and the guiding surfaces 9 and 10 connected by the curved portion 11. Said scroll-guiding element is adjustably secured to said scroll-holding frame by screws 12 which pass through the slot 13, formed in the attaching plate 6, and are threaded into the bracket 5; and said scroll-holding frame is adjustably secured to the attachment base 14 by screws 15 which pass through the slot 16, formed in the standard base 4, and are threaded into the base 14.

For the convenient removal of the attachment base 14 from the main base-plate 17, there is provided a lever 18 which is threaded upon a stud 19 secured in the base-plate 17, which latter is in turn secured to the upper surface of the sewing machine bed-plate by ordinary means, as by screws.

The openings 2 and 3 in the standard 1 are formed by first making a single opening and passing therethrough the curved portion 11, after which the cross-bar 20 is suitably secured to said standard to form said openings, thus leaving the scroll-guiding element interlaced with said openings and making of said cross-bar a stationary edge-guide for the free edge of the material comprising the welt, the surface 21 of the standard 1 acting as an edge-guide for the material to which the welt is to be applied.

It has not been deemed necessary to illustrate any portion of the sewing machine frame or the stitch-forming mechanism, as it will be evident that the attachment base or the standard base can be secured separately to the bed-plate of the sewing machine, or combined as shown in Fig. 2. It will also be readily understood that when the production requires the use of but one of the guides, the standard base can be secured to the sewing machine bed-plate by ordinary means, as by screws 15.

In the operation of the device the ma-

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 terial 22 is placed upon the base 4 with its edge 23 in engagement with the guiding surface 21, and the material 24 is placed upon the plate 6 with its edge 25 passed around the inner folding scroll 8 and in contact with the edge guide 20, thus forming the welt 26; and if it is desired to change the width of the fold comprising the welt, the scroll-guiding element is bodily adjusted by the screws 12 to the right or left, dependent upon the width of welt desired. When the production requires the welt to be laid in a direction opposite to that shown in Fig. 1, the left hand welt-guide and its attaching base, 27, are substituted for those shown in Fig. 1.

The most important feature connected with the invention being the interlacing of the scroll-guiding element with the edge-guiding means so that by a single adjustment any desired width of welt may be formed without changing the relationship of the seam and the adjoining free edges of the materials.

25 Claims:—

1. In a welt-guide for sewing machines, a standard provided with alternating openings and edge-guides arranged in vertical alinement, a standard base below and a bracket above said openings and edge-guides, in combination with an integrally-formed, scroll-guiding element interlaced with said openings, and means for adjustably securing said scroll-guiding element in operative relationship with said edge-guides.

2. In a welt-guide for sewing machines, a standard provided with alternating openings and edge-guides arranged in vertical alinement, a standard base below and a bracket above said openings and edge-guides, in combination with a scroll-guiding element interlaced with said openings and adjustable relatively to said edge-guides.

3. In a welt-guide for sewing machines, a scroll-holding frame including a standard provided with openings and edge-guides, and an integrally-formed, S shaped scroll-guiding element interlaced with said openings and adjustable relatively to said edge-guides.

4. In a welt-guide for sewing machines, a scroll-holding frame including a standard provided with openings and edge-guides, and an S shaped scroll-guiding element interlaced with said openings and adjustable relatively to said edge-guides.

5. In a welt-guide for sewing machines, a scroll-holding frame including a bracket and a standard, the latter being provided with openings and edge-guides, an integrally-formed, scroll-guiding element interlaced with said openings and provided with an attaching plate, and means for adjustably securing said plate upon said bracket for forming welts of different widths.

6. In a welt-guide for sewing machines, a scroll-holding frame comprising a standard provided with openings and edge-guides and carrying at its lower edge a base and at its opposite edge a bracket, in combination with a scroll-guiding element comprising an attaching plate, outer and inner folding scrolls, and integrally-formed, horizontal, guiding surfaces arranged one above the other, and means for adjustably securing said scroll-guiding element relatively to said scroll-holding frame for forming welts of different widths.

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

CHARLES STEGEMANN.

Witnesses:

THOMAS CAMPBELL,
 ABBIE M. DONIKEE.