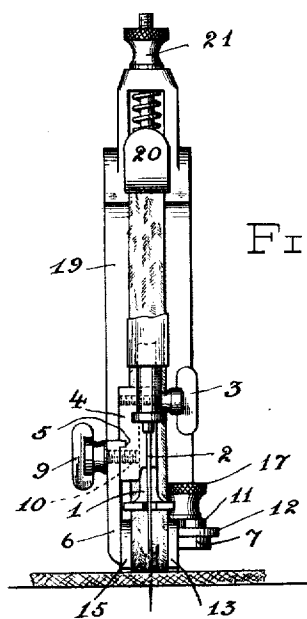
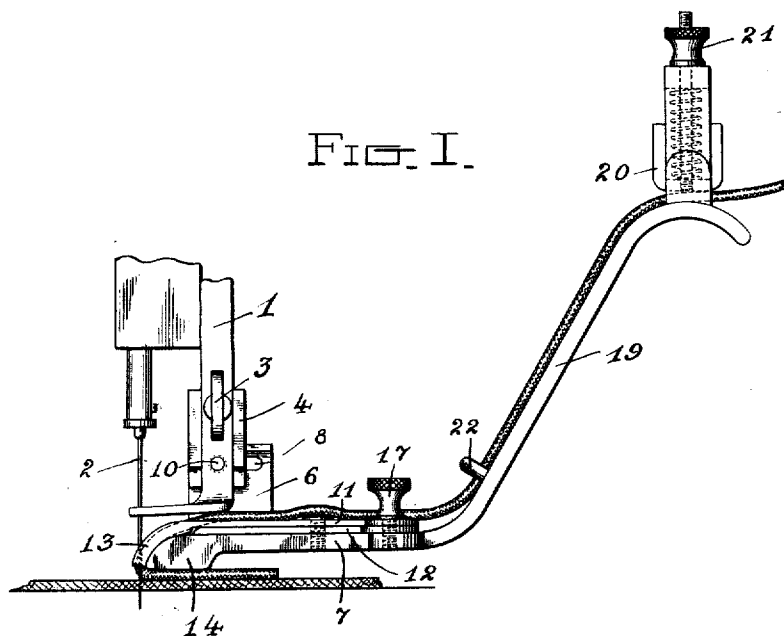


A. E. WISE.
BRAID GUIDE FOR SEWING MACHINES.
APPLICATION FILED MAY 6, 1910.

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Patented Dec. 19, 1911.

2 SHEETS-SHEET 1.



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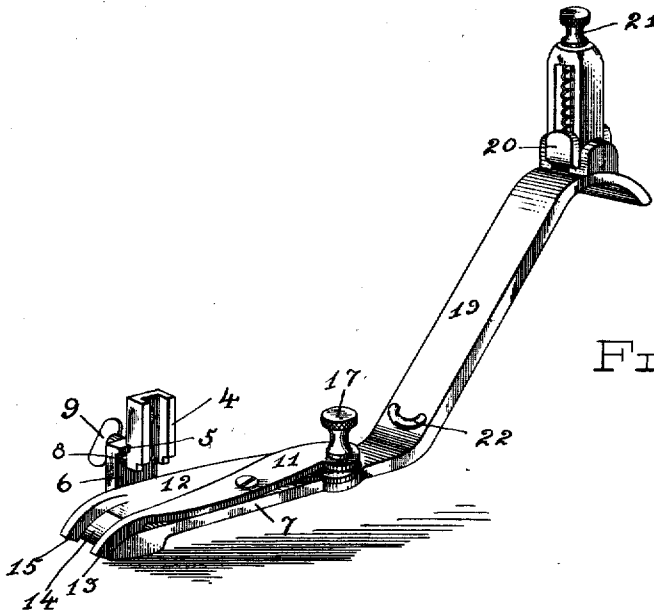


FIG. 3.

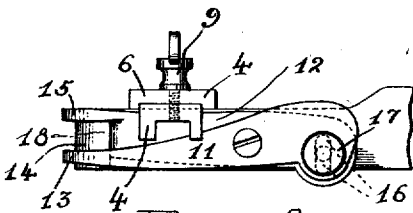


FIG. 4.

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ALEXANDER E. WISE, OF NEW YORK, N. Y.

BRAID-GUIDE FOR SEWING-MACHINES.

1,012,573.

Specification of Letters Patent.

Patented Dec. 19, 1911.

Application filed May 6, 1910. Serial No. 559,758.

To all whom it may concern:

Be it known that I, ALEXANDER E. WISE, a citizen of the United States, residing at New York, borough of Manhattan, in the county of New York and State of New York, have invented certain new and useful Improvements in Braid-Guides for Sewing-Machines, of which the following is a specification.

10 This invention relates to braid guides for sewing-machines; and it consists of a novel device, capable of being attached to most of the sewing-machines now in use, whereby braid, and various kinds of trimming
15 may be sewed on any kind of fabric by means of a so-called secret or invisible stitch, the braid or trimming being uniformly fed to the needle, and accurately guided in its movement.

20 The invention further consists of certain means by which the device, as a whole, or the gage-guides alone, may be adjusted relatively to the needle, and held firmly in its adjusted position.

25 The invention still further consists in the novel construction of the gage-guide, whereby the braid or trimming may be so adjusted with relation to the needle, that the braid or trimming will be fed to the needle
30 in such a manner that the sewing will be effected in the center of the braid or trimming, and hence one of the objects of the invention is to provide a gage-guide that can be adjusted from either side, to bring
35 the longitudinal center of said gage-guide in line with the needle.

Another object of the invention is to provide a suitable supporting-guide or roller, whereby the braid or trimming will be
40 guided and presented to the needle, in such a manner that the braid or trimming will be stitched by its under side to the fabric which it is desired to braid or trim, so that
45 no stitches will be visible on the upper side or face of the braid or trimming.

Other objects of the invention, such as to simplify and cheapen the cost of construction of such devices, will become apparent upon a more complete disclosure thereof.

50 In the drawings: Figure 1 is a side elevation of my improvement showing it attached to the presser-bar of an ordinary sewing-machine, with the braid in position for stitching to a piece of fabric; Fig. 2, a
55 front elevation of the same; Fig. 3 a per-

spective view of the braiding attachment detached; and Fig. 4 a top plan view of the base or lower portion of the same.

Referring to the several views of the drawings, the numeral 1 indicates the
60 presser-bar of any suitable sewing-machine, and 2 the needle thereof. Secured to the presser bar, by means of a set-screw 3, is an attaching-block 4, which is provided on its
65 outer face with a horizontal groove 5, in which is received the flange of a plate or stud 6 projecting upwardly from the base-plate 7 of my improved braiding-attachment or device. The plate or stud is provided with a longitudinal slot 8, and is ad-
70 justably secured to the attaching-block 4 by means of a set-screw 9 passing through the slot 8 and into a screw-threaded hole 10. Pivoted to the upper side of the base, one
75 upon the other, is a pair of movable lever members 11 and 12, the lower member 12 having, at its extremity, a guide 15, which curves downwardly over the curved end 14 of the base plate, which end 14 is thickened,
80 so as to provide a sufficient space, between the base plate and the work-plate of the sewing-machine, for the free movement of the fabric during the braiding operation. The other member is provided also with a
85 guide 13, which curves downwardly and over the curved end 14, which latter serves as a support and guide for the braid or trimming as it is moved along. The inner end of each member is provided with a
90 transverse slot 16. Passing through said slots, which register with each other, is a binding or set-screw 17, by means of which the two members, which constitute a gage-
95 guide 18, are held in adjusted position. It will be noted that each member is adjustable independent of the other, so that the longitudinal center of the gage-guide may always be adjusted in the same parallel
100 plane with the needle. The base continues upward at a slight inclination, to form a guide-way 19 for the braid or trimming, and situated at the upper end of the guide-way is an automatic pressure-block 20,
105 which is designed to exert sufficient pressure upon the braid or trimming, as it passes underneath the block, to keep it straight and prevent it from being fed too rapidly or puckering up, the pressure being regulated by the thumb-screw 21. The guide-
110 way is provided with a hook-guide 22 for

the purpose of keeping the moving braid straight, and approximately close to the guide-way.

In operation, the braid or trimming is passed beneath the automatically-operating pressure-block with its face side down; down along the inclined guide-way, under the guide-hook 22; thence between the curved guides of the gage-guide, which has been previously adjusted to accommodate the width of the braid or trimming, and then over and around the guide-support, with its end in position to be stitched to the fabric which it is desired to braid or trim, the stitching being effected on the under side of the braid or trimming as indicated in Fig. 1. The braiding-operation is continued by the operative manipulating the fabric in accordance with the character of the design or pattern.

It will be noted that the device is equally well adapted to sewing straw and other braids in the manufacture of hats, in the operation of which, a single strand is introduced under the presser-foot, while another strand is passed along, in the manner above described, over and around the guide-support, slightly overlapping the strand, under the presser-foot, the sewing of the strands together being accomplished as heretofore described.

Various modifications in the details of construction of my attachment may be made without departing from the spirit of my invention or sacrificing the principle thereof.

In stitching very narrow thin braid, it will be understood that the end 14 of the attachment will be moved correspondingly close to the needle, so that the stitches will be made in what becomes the under side of the braid, when stitched upon the fabric. When the attachment is used for stitching wide and thick braid, it is obvious that either the attachment as a whole or the gage-guides alone, by reason of the elongated pivotal holes, shown in Fig. 6, may be adjusted farther from the needle, so that

as in the case of thin braid, the stitch is made centrally of the braid and only through what becomes the under side thereof, when stitched to the fabric, and in either case, the members 11 and 12 are adjusted laterally to accommodate the various widths of braids.

Having thus described my invention, what I claim is:

1. As an article of manufacture, a braid-guide for sewing-machines, comprising a base-plate, a pair of guide-levers pivoted one upon the other upon the base-plate, means permitting the levers to be independently, laterally adjusted, and means permitting the base-plate to be moved to and from the needle, so as to accommodate different thicknesses of braid.

2. As an article of manufacture, a braid-guide for sewing-machines, comprising a base-plate, a pair of guide-levers pivoted upon the base-plate, each lever being provided at its forward end with a guide, said levers being provided at their rear ends with means permitting their independent, lateral adjustment, and means permitting the base-plate to be moved to and from the needle.

3. As an article of manufacture, a braid-guide for sewing-machines, comprising a base-plate provided at its forward end with a braid-supporting guide, a pair of guide-levers being laterally adjustable and each provided at its forward end with a downwardly-curved guide, a flanged attaching-plate carried by the base-plate, and a grooved attaching-block carried by the needle-bar, the flange of said plate being adjustable in the groove of said block, whereby the base-plate may be adjusted to and from the needle.

In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER E. WISE.

Witnesses:

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ARTHUR L. BRYANT.