

No. 708,418.

Patented Sept. 2, 1902.

L. SMITH.

BRAIDING ATTACHMENT FOR SEWING MACHINES.

(Application filed May 10, 1901.)

(No Model.)

FIG. 1

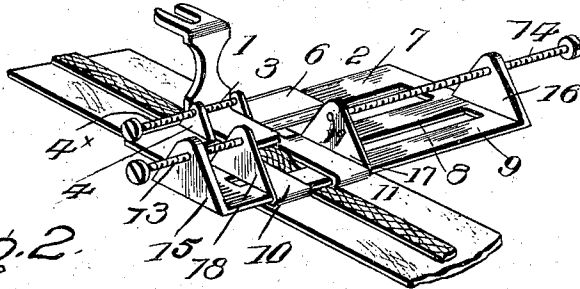
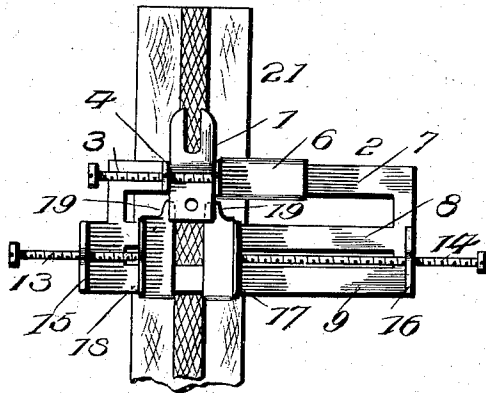


FIG. 2



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FIG. 3

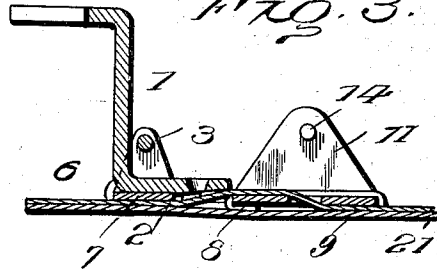


FIG. 4

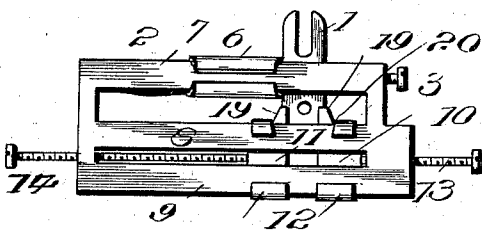


FIG. 5

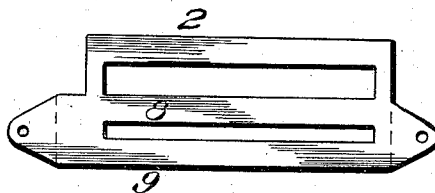


FIG. 6

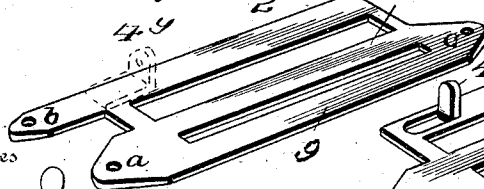
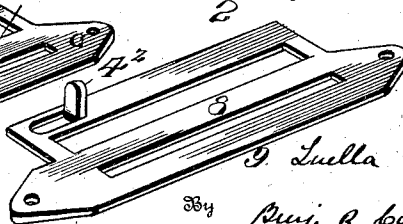


FIG. 7



Witnesses

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UNITED STATES PATENT OFFICE.

LUELLA SMITH, OF ALLIANCE, NEBRASKA, ASSIGNOR OF ONE-HALF TO
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BRAIDING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 708,418, dated September 2, 1902.

Application filed May 10, 1901. Serial No. 59,676. (No model.)

To all whom it may concern:

Be it known that I, LUELLA SMITH, a resident of Alliance, in the county of Boxbutte and State of Nebraska, have invented certain
5 new and useful Improvements in Sewing-Machine Attachments; 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 pertains
10 to make and use the same.

The invention relates to sewing-machine attachments adapted to guide and hold in proper situation braid, tape, or other trimming while it is being sewed to a fabric, and has for its
15 object to increase the efficiency and economy of manufacture of such attachments.

The invention consists in the construction herein described and pointed out.

In the accompanying drawings, Figure 1 is a
20 perspective of the improved attachment, a sewing-machine presser-foot being shown and also a piece of fabric with trimming laid thereon. Fig. 2 is a plan of the same. Fig. 3 is a section of the same, taken lengthwise
25 through the presser-foot. Fig. 4 is a bottom view of the attachment. Fig. 5 is a plan of a blank for forming the main plate of the device. Fig. 6 is a perspective of a blank for forming a modified plate and showing in
30 broken lines a post to support a screw. Fig. 7 is a similar view of another blank, showing a screw-supporting post in full lines.

Numeral 1 indicates the presser-foot of a sewing-machine, and 2 a frame secured to said foot by a screw 3, working through a post
35 4, fixed on the frame. The end of the screw is rotatably fixed in a post 5, rising from an open or split sleeve 6, sliding on a bar 7 of the frame. By suitably screwing the screw 3
40 through post 4 the presser-foot can be clamped between said post and post 5 and the frame held and supported for use. The frame comprises the bar 7 and bars 8 and 9, separated by slots, but connected at their ends, as shown.

10 and 11 denote guides for trimming—such as braid, tape, or the like. Said guides embrace the opposite exterior edges of the bars
45 8 and 9 by means of bent portions 12, as indicated, and can be adjusted lengthwise the device by means of screws 13 and 14, screwing
50 through posts 15 and 16, respectively, the

inner and proximate ends of the screws being rotatably fixed in posts 17 and 18, attached to the slidable guides. Said guides have parts
55 19 extending to opposite sides of the needle when in operation. These extensions are formed integrally with the respective guides by slitting the metal at 20 before bending the portions 12, which embrace the frame-bars.

The frame and guides can be made of light
60 brass or other metal and the posts 4, 15, and 16 formed integrally with the respective parts to which they are fixed. If the material is too thin for conveniently forming screw-threaded holes in posts 4, 15, and 16, they may
65 be made of thicker material and brazed to the main part of the frame. It is contemplated, however, providing suitably-thick portions for posts in the manufacture of the blank, such as indicated in Figs. 1 and 2,
70 wherein the bar portion of the frame will be rolled thinner than the portions *a*, *b*, and *c*, intended to be turned up into an operative situation by bending. In this modification a
75 post 4^x can be put in position to abut against the presser-foot by bending the bar portion of the frame, as indicated at 4^y in Fig. 6, or a special abutment 4^z may be formed by turning up a portion of the metal of the bar, as indicated in Fig. 7.

In operation the fabric 21 is fed under the
80 presser-foot, and the trimming to be sewed thereto is fed therewith, passing in close proximity to the presser-foot and between the guide extension 19 and between the main part
85 of the guides in contact with the upper surface of bar 8 and down between the bars 8 and 9. This insures that the trimming shall be kept between the edges of the guides while
90 it is passing over bar 8 and below bar 9, and said guides can be made very thin without loss of efficiency, the trimming being compelled to pass between their proximate edges.

The adjustable sleeve and cooperating parts provide for attaching the device to the
95 presser-foot of any of the various types of machines. The adjustable guides provide for use in sewing trimmings of various widths and for holding them so as to place the seam or seams as desired. The situation of the
100 screw-threaded posts at the end of the frame provides that blanks may be rolled or stamped,

so as to conveniently make such posts thicker than the others and thicker than the main part of the frame.

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

A sewing-machine attachment comprising a frame having end posts, guides between which trimming is held, screws connecting the guides to the posts, whereby the guides are horizontally adjustable with relation to each other and to the posts without moving

the frame, said frame having a plurality of bars, one of which is adapted to rest on the trimming in operation, whereby proper tension of the trimming is maintained.

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

LUELLA SMITH.

Witnesses:

F. E. REDDISH,
GEO. B. CLARKE.