

J. M. GREIST.
SEWING MACHINE ATTACHMENT.
APPLICATION FILED JAN. 26, 1905.

Fig. 1.

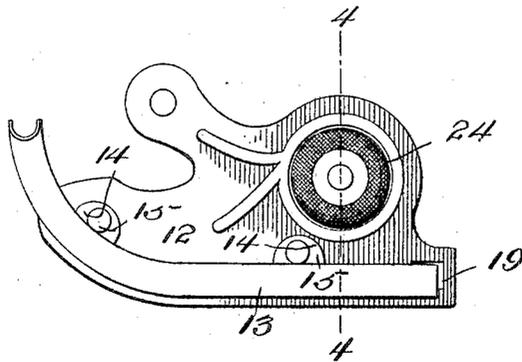


Fig. 2.

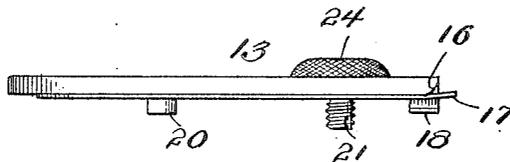
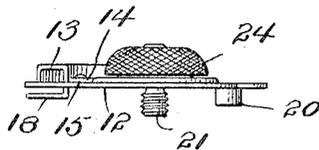


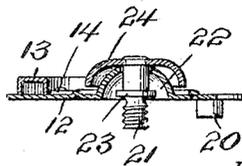
Fig. 3.



WITNESSES:

M. F. Key Co.
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Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN M. GREIST, OF NEW HAVEN, CONNECTICUT.

SEWING-MACHINE ATTACHMENT.

No. 802,638.

Specification of Letters Patent.

Patented Oct. 24, 1905.

Application filed January 26, 1905. Serial No. 242,716.

To all whom it may concern:

Be it known that I, JOHN M. GREIST, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented or discovered certain new and useful Improvements in Sewing-Machine Attachments, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates more particularly to a sewing-machine braider or braid-guide, by which a braid may be directed to the needle of a sewing-machine so as to be stitched to the work; and the invention has for its object to provide a braider of such construction that the braid may be readily introduced into the guiding-passage, in which it will be reliably held and guided to the needle, as also to provide the base-plate or shank of the guide with a permanently-attached holding-screw of such construction that it will not be in the way and will not seriously interfere with work which may have to pass over it.

In the accompanying drawings, Figure 1 is a plan view of the improved braider, and Fig. 2 is an edge view thereof looking from the bottom of Fig. 1. Fig. 3 is an end view of the improved braider, and Fig. 4 is a section on line 4 4 of Fig. 1.

Referring to the drawings, 12 denotes the base-plate or shank of the braider and to which is attached a curved hollow guide 13, which, in connection with the underlying portion of the plate 12, forms a rectangular tubular passage-way for the braid. In the form of the invention herein shown the guide 13 is provided with ears 14, through which pass rivets 15 to secure the guide 13 to the plate 12. The plate 12, the guide 13, and ears 14 of the latter are formed of very thin sheet metal, which will yield under a slight pressure, so that in introducing a braid into the guide-passage the guide 13 can be sprung slightly apart from the underlying plate 12 and the flat braid then be drawn edgewise between these parts. To facilitate this operation, the entering end of the outer side wall of the guide 13 is preferably rounded or beveled off, as at 16, and the underlying portion of the plate 13, as at 17, is preferably sprung upward slightly, and by drawing the braid between these parts they will be forced away from each other a sufficient distance to permit the braid to be drawn between them and then along underneath the outer downturned lip of the guide 13 into the guiding-passage of the said

guide throughout the length of the latter. To prevent these parts from being too far separated from each other, the guide 13 is preferably provided with a hooked lip 18, passing through an opening 19 in the plate 12 and turned out approximately parallel with the bottom of said plate.

The braider will preferably be attached to the work-plate of a sewing-machine by means of a dowel-pin 20 and a set-screw 21, the latter passing through the small struck-up or hollow dome 22 and the plate 12 and being provided beneath the top of said dome with a flange or projection 23. The screw 21 is provided with a hollow head 24, formed of sheet metal and which when riveted to the shank of the screw serves, in connection with the annular flange 23, to permanently attach the said screw to the plate 12. The head 24 is formed of thin sheet metal and in the process of pressing it into shape is corrugated or milled, so that it may be readily engaged by the thumb and finger when the screw is to be turned. The rounded hollow head for the screw, in connection with the underlying dome formed on the plate 12, provides a compact construction of thumb-screw projecting but a slight distance above the plate of the attachment, so that it will not interfere with the work which may have to pass over it, and the screw-head also will not be in the way of the user or operator. This form of thumb-screw and rounded hollow or dome-like projection on the base-plate or shank of the attachment is well adapted for use in connection with other sewing-machine work-plate attachments, as with shirring-blades for use with rufflers or for use with the attaching-shanks of guides, hemmers, &c.

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

1. A sewing-machine braider or braid-guide comprising the base-plate 12, provided with the opening 19, and a hollow curved braid-guide 13 overlying said plate and yieldingly attached thereto so that these parts may be slightly separated when it is necessary to introduce a braid sidewise into the braid-guiding passage, said braid-guide being provided with the hooked lip 18 passing through said opening and extending beneath said base-plate to serve as a stop to prevent too great a separation of the parts.

2. A sewing-machine braider or braid-guide comprising a base-plate by which it may be attached to the work-plate of a sewing-ma-

chine, and which is provided with an upwardly-
projecting hollow portion or dome, combined
with an attaching-screw comprising a rounded
hollow head fitting over the said projection or
5 dome and roughened or milled at its peripheral
portion.

3. A sewing-machine braider or braid-
guide comprising a base-plate by which it may
be attached to the work-plate of a sewing-ma-
10 chine, and which is provided with an upwardly-
projecting hollow portion or dome, combined
with an attaching-screw comprising a rounded
hollow head fitting over the said projection or
dome and roughened or milled at its peripheral
15 portion, the edge of said screw being provided,
beneath said dome, with a flange or projection
which, in connection with the attaching-head,
will serve to permanently secure the said screw
to the said plate.

4. A sewing-machine work-plate attach- 20
ment comprising a base-plate or shank having
a rounded hollow or dome-like projection, in
combination with an attaching-screw having a
hollow rounded head above said dome.

5. A sewing-machine work-plate attach- 25
ment comprising a base-plate or shank having
a rounded hollow or dome-like projection, in
combination with an attaching-screw having a
hollow rounded head above said dome, and
also having, beneath the top of said dome, a 30
flange or projection to permanently secure said
screw to said base-plate or shank.

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

JOHN M. GREIST.

Witnesses:

HENRY CALVER,
GEO. W. REA.