

P. R. GREIST.
 SEWING MACHINE BRAIDER OR CORDER.
 APPLICATION FILED JAN. 24, 1908.

900,069.

Patented Sept. 29, 1908.

FIG. 1.

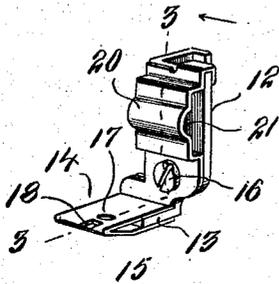


FIG. 2.

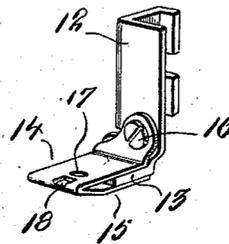


FIG. 3.

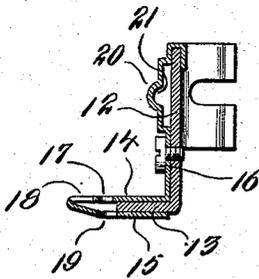
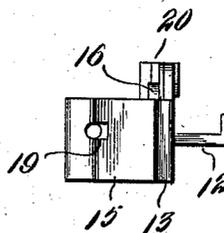


FIG. 4.



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UNITED STATES PATENT OFFICE.

PERCY RAYMOND GREIST, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE GREIST MANUFACTURING COMPANY, A CORPORATION OF CONNECTICUT.

SEWING-MACHINE BRAIDER OR CORDER.

No. 900,069.

Specification of Letters Patent.

Patented Sept. 29, 1908.

Application filed January 24, 1908. Serial No. 412,406.

To all whom it may concern:

Be it known that I, PERCY RAYMOND 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 Braiders or Corders, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has for its object to provide a sewing machine braider or corder which is attached to or formed as part of a presser-foot and which may be made at the least possible expense.

To this end the improved braider or corder consists of a folded piece of sheet metal in which has been punched or otherwise formed two holes of proper shape and size to guide a braid or cord, and, preferably, also a hole to serve as a needle hole, the strip being so folded, relative to the holes referred to, that the guiding hole or aperture for the entering braid will be in the upper member of the folded strip and in front of the needle-hole, while the guiding aperture for the egress of the braid will be in the lower member of the folded strip and in the vertical plane of the needle-hole. The folded strip referred to is attached to a suitable shank adapted to be secured to the presser-bar of a machine, the whole constituting a presser-foot suitable for the ordinary uses of a sewing machine presser-foot. The folded strip which constitutes the braider or corder is preferably provided with an upward extension of such construction as to serve, in connection with the shank referred to, as an attachment holder for hemmers, binders, quilters, and the like, having shanks which may be fitted into an aperture between the said extension of the said strip and the shank portion of the presser foot and be frictionally retained therein without requiring the use of a set screw to secure the attachments in place.

In the accompanying drawings, Figures 1 and 2 are perspective views showing two slightly different forms of the invention. Fig. 3 is a vertical section on line 3—3, Fig. 1. Fig. 4 is a bottom view of the form of the invention shown in Fig. 1.

Referring to the drawings, 12 denotes a vertical shank preferably stamped from sheet metal and of suitable construction to be attached to the presser-bar of a sewing

machine, the said shank having a horizontal extension 13 and which extension, in connection with a folded strip of thin sheet metal embracing said horizontal extension, and comprising an upper member 14 and a lower member 15, provides a presser foot suitable for ordinary uses.

The folded strip referred to is attached to the shank 12 by a screw or rivet 16, and the upper member of said folded strip is preferably provided with a needle-hole 17, and, in front of said needle-hole, with a guiding hole or aperture 18 for the entering braid or cord; the lower member of said folded strip being provided with a guiding hole or aperture 19 for the egress of the braid or cord and preferably registering vertically with said needle-hole. These guiding apertures are in different vertical planes, the aperture 18 being forward of the aperture 19, as is shown most clearly in Fig. 3.

The invention in its simplest form is shown in Fig. 2, but in the preferred form of the invention shown in Fig. 1 the folded strip is provided with an upward extension 20 so formed as to leave between said extension and the outer or front wall of the shank 12 an opening 21 of such form as to receive a suitable shank formed on a hemmer, binder, quilter or the like, so that said extension will thus serve, in cooperation with said shank, as an attachment holder. The shank of the attachment to be inserted in the opening 21 will be of such size as to have a tight frictional fit in said opening, so that an attachment may be readily inserted in place and held in working position frictionally without requiring the use of a set screw.

The braid guiding holes or apertures and the needle-hole are preferably stamped or otherwise formed in the strip of metal before the same is folded into the shape shown in the drawings; and owing to the facility with which this can be done an efficient braider or corder is thus provided at very much less expense than is possible with the presser-foot braiders or corders heretofore in use, and in the manufacture of which it has been necessary to cut the cord or braid guiding passages in the solid metal of the presser-feet, such operation involving much more trouble and expense than is required to produce the improved braider or corder herein described and formed from a folded strip of sheet metal.

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

1. A sewing machine braider or corder comprising a folded strip of sheet metal having guiding apertures formed in its upper and lower members and arranged in different vertical planes.
2. A sewing machine braider or corder comprising a folded strip of sheet metal having its upper member provided with a needle-hole and with a guiding aperture in front of said needle-hole, and having its lower member provided with a guiding aperture registering vertically with said needle-hole.
3. A sewing machine braider or corder consisting of a vertical shank, having a horizontal extension, and a folded strip of sheet metal the members of which embrace the said horizontal extension and which members are each formed with a guiding aperture, the aperture in the upper member being forward of the aperture in the lower member.
4. A sewing machine braider or corder consisting of a vertical shank, having a horizontal extension, and a folded strip of sheet metal the members of which embrace the said horizontal extension and which members are each formed with a guiding aperture, said strip having a vertical extension which, in cooperation with said vertical shank, is adapted to serve as an attachment holder.

5. A sewing machine braider or corder consisting of a suitable shank, having a horizontal extension, and a folded strip of sheet metal the members of which embrace said horizontal extension and the upper and lower members of which are each provided with a guiding aperture and which apertures are arranged in different vertical planes.

6. A sewing machine braider or corder consisting of a suitable shank, having a horizontal extension, and a folded strip of sheet metal the members of which embrace said horizontal extension and the upper and lower members of which are each provided with a guiding aperture and which apertures are arranged in different vertical planes, said strip having a vertical extension between which and the said vertical shank is formed an opening for the reception of the shank of a sewing machine attachment.

7. A sewing machine braider or corder comprising a folded strip of sheet metal having inclosed guiding apertures formed in its upper and lower members, the aperture in the upper member being forward of the aperture in the lower member.

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

PERCY RAYMOND GREIST.

Witnesses:

H. M. GREIST,
L. M. FORD.