

H. M. GREIST.
 SEWING MACHINE ATTACHMENT HOLDER.
 APPLICATION FILED JAN. 30, 1908.

900,067.

Patented Sept. 29, 1908.

Fig. 1.

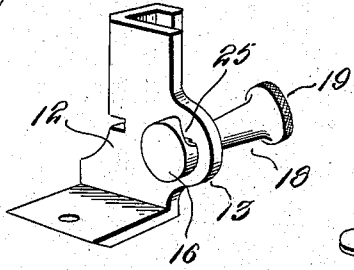


Fig. 2.

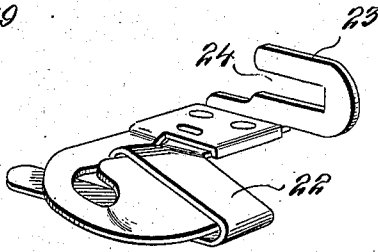


Fig. 3.

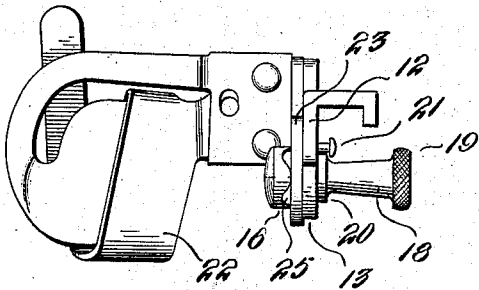


Fig. 4.

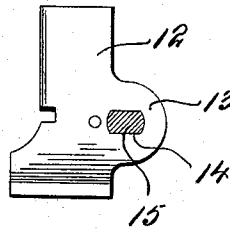


Fig. 7.

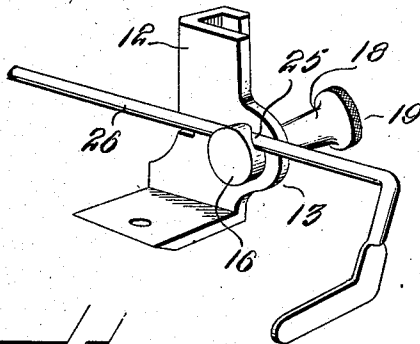


Fig. 8.

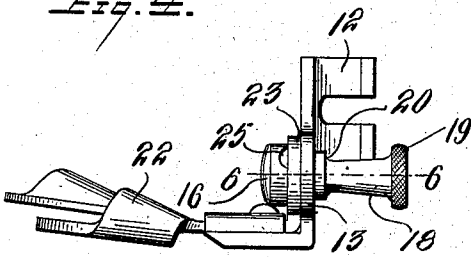
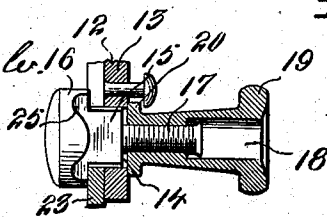


Fig. 6.



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UNITED STATES PATENT OFFICE.

HUBERT M. GREIST, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE GREIST MANUFACTURING COMPANY, A CORPORATION OF CONNECTICUT.

SEWING-MACHINE-ATTACHMENT HOLDER.

No. 900,067.

Specification of Letters Patent.

Patented Sept. 29, 1908.

Application filed January 30, 1908. Serial No. 413,470.

To all whom it may concern:

Be it known that I, HUBERT 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-Attachment Holders, 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 attachment holder of simple construction, and inexpensive to make, whereby various attachments, such as binders, hemmers, quilters, and the like, may be readily secured in working position on the presser-foot of a sewing machine, and readily detached therefrom when desired.

To this end the improved attachment holder comprises a clamping head mounted on the shank of a presser foot and between which and the front wall of said shank an attachment may be clamped. Said clamping head is provided with a shank one portion of which is polygonal or rectangular, so as to enter a corresponding aperture in the part on which it is mounted, and another portion of which shank is screw-threaded so as to be engaged by a set-nut, the parts being so constructed as to prevent them from becoming detached from the shank of the presser-foot, as will hereinafter appear.

In the accompanying drawings Figure 1 is a perspective view of the improved attachment holder, and Fig. 2 is a perspective view of a hemmer adapted to be held in working position by said holder. Figs. 3 and 4 are plan and side views showing a hemmer secured in working position relative to the presser-foot which forms the attachment holder. Fig. 5 is a front view of the presser foot with the shank of the clamping head in vertical section, and Fig. 6 is an enlarged section through the clamping head and its nut, on line 6-6, Fig. 4. Fig. 7 is a perspective view showing a quilter mounted in the attachment holder.

Referring to the drawings, 12 denotes a presser-foot adapted for attachment to the presser-bar of a sewing machine, and preferably stamped from sheet metal, said presser-foot being provided with a lug 13 having a polygonal aperture 14, which aperture is adapted to receive the polygonal portion 15 of the shank of a clamping head 16, to pre-

vent said head from turning, said shank having also a threaded extension 17 adapted to be engaged by the threaded portion of a nut 18. The said nut 18 is provided at its outer end with a milled head 19 and at its inner end with a peripheral flange 20 which extends beneath the head of a fixed pin 21 so that when the said nut is turned, to loosen or tighten the clamping head, its inner end will be held closely adjacent to or in contact with the back wall of the lug 13 by the said flange and the overlapping head of said pin.

To prevent the clamping head from being detached from the nut when the latter is turned the said nut is preferably counter-bored so that the extreme inner end of the shank extending into the counterbored portion of the nut may be slightly upset to form a small head or enlarged portion loosely fitting the recess afforded by said counterbored portion, and which enlarged portion is adapted to engage the shoulder at the inner end of said counterbored portion, and thus prevent the nut from becoming detached from the clamping head; and this construction will also serve to limit the turning movement of the nut in loosening the clamping head.

An attachment, as hemmer 22, which is to be secured in place on the presser-foot, is provided with a shank 23 preferably having an open horizontal slot 24 which will permit the said shank to be slipped beneath or behind the clamping head 16 and receive the polygonal portion 15 of the shank of the clamping head; said shank fitting between said clamping head and the front wall of the vertical shank of the presser-foot so that when the said head is tightened by screwing up the clamping nut 18 the attachment will be securely held in place, as shown in Figs. 3 and 4. As the polygonal portion 15 of the shank of the clamping head is closely embraced by the horizontal walls of the slot 24 it is obvious that this construction will permit a hemmer or other attachment to be adjusted laterally and to be secured in different lateral positions, to provide for stitching at different distances from the edge of the work; this construction providing a positive bearing for side adjustment as will be understood, so that the attachment will be held steadily at all times.

The clamping head is preferably provided on its inner face with a horizontal concave

socket or recess 25 so as to adapt said head to receive and grasp the round or half-round shank of an attachment, such, for example, as the shank 26 of the quilter shown in Fig. 7; and thus it will be understood that the said clamping head is adapted to hold attachments having either round, half-round or flat shanks.

When it is desired to insert an attachment in working position the clamping head will be tightened against the shank of the attachment by screwing up the nut 18; and when it is desired to remove the attachment from working position said nut will be loosened to release the attachment, as will be understood.

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

1. A sewing machine attachment holder consisting of the combination with a presser-foot having a vertical shank, of a clamping head having a shank extending horizontally through a portion of said presser-foot shank and so mounted therein as to be prevented from turning, and between which clamping head and the front wall of said presser-foot shank a portion of a sewing machine attachment may be clamped, the said shank of said clamping head having a threaded portion, and a nut engaging said threaded portion, said clamping head and nut being so connected together as to prevent their separation.

2. A sewing machine attachment holder consisting of the combination with a presser-foot having a vertical shank provided with a polygonal opening, of a clamping head arranged at the front of said presser-foot shank and provided with a shank having a polygonal portion, fitting said opening, and having also a threaded portion, so that a portion of a sewing machine attachment may be clamped between the said clamping head and the front wall of said presser-foot shank, and a nut engaging said threaded portion, said clamping head and nut being so connected together as to prevent their separation.

3. A sewing machine attachment holder consisting of the combination with a presser-foot the shank portion of which is provided with a polygonal aperture, of a clamping head having a polygonal shank one portion of which is adapted to be received by said polygonal aperture, and another portion of which is screw-threaded, a nut engaging the screw-threaded portion of said shank, and means for preventing said nut from becoming

detached from said shank when it is turned, said clamping head having a horizontal concave recess on its inner face.

4. A sewing machine attachment holder consisting of the combination with a presser-foot the vertical shank portion of which is provided with a polygonal aperture, of a clamping head having a horizontally disposed shank one portion of which is polygonal so as to fit said polygonal aperture, and another portion of which is screw-threaded, a nut engaging the screw-threaded portion of said shank, means for preventing said nut from becoming detached from said shank when it is turned, and a sewing machine attachment having a shank fitting between the said clamping head and the front wall of said presser-foot shank and provided with a horizontal slot or opening to permit of horizontal adjustment of the attachment.

5. A sewing machine attachment holder consisting of the combination with a presser-foot having a vertical shank, of a clamping head having a shank extending horizontally through a portion of said presser-foot shank and so mounted therein as to be prevented from turning, and between which clamping head and the front wall of said presser-foot shank a portion of a sewing machine attachment may be clamped, the said shank of said clamping head having a threaded portion and an enlarged end, and a nut engaging said threaded portion and having a counter-bored portion forming a recess in which said enlarged end of said clamping-head shank loosely fits.

6. A sewing machine attachment holder consisting of the combination with a presser-foot having a vertical shank provided with a polygonal opening, of a clamping head arranged at the front of said presser-foot shank and provided with a shank having a polygonal portion, fitting said opening, and having also a threaded portion, so that a portion of a sewing machine attachment may be clamped between the said clamping head and the front wall of said presser-foot shank, and a nut engaging said threaded portion and having a peripheral flange at its inner end, and a pin fixed to said presser-foot shank and having a head overlapping said flange.

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

HUBERT M. GREIST.

Witnesses:

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L. M. FORD.