

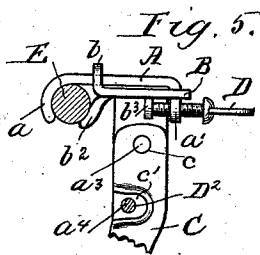
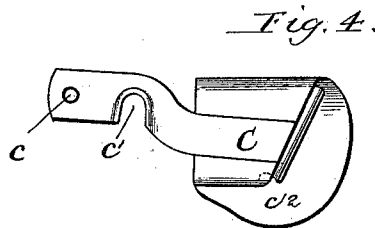
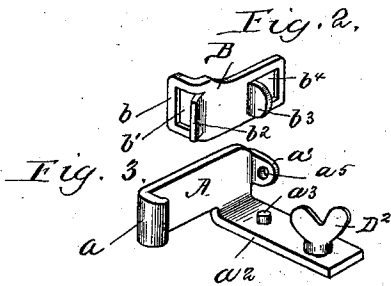
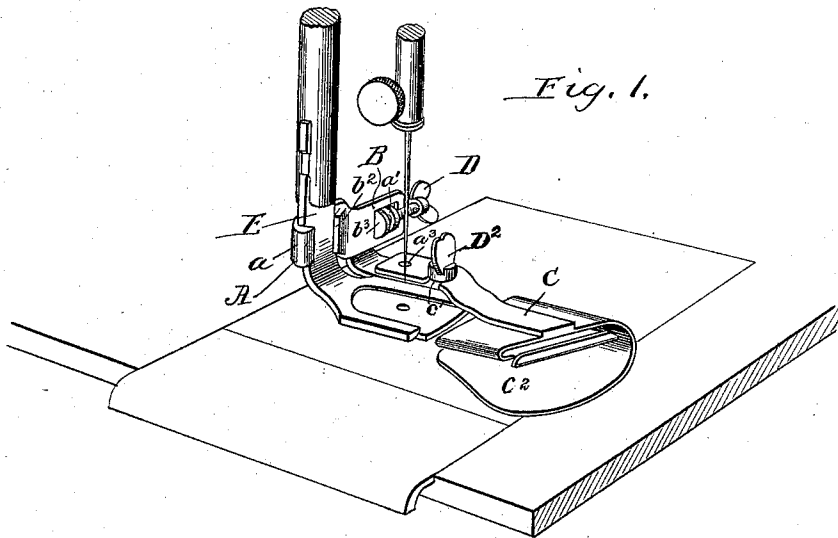
(No Model.)

W. R. PARSONS.

ATTACHMENT HOLDER FOR SEWING MACHINES.

No. 519,134.

Patented May 1, 1894.



Witnesses
W. Rosier
Chas. Wallace.

Inventor
W. R. Parson.

UNITED STATES PATENT OFFICE.

WINSLOW R. PARSONS, OF CHICAGO, ILLINOIS.

ATTACHMENT-HOLDER FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 519,134, dated May 1, 1894.

Application filed September 25, 1891. Serial No. 406,786. (No model.)

To all whom it may concern:

Be it known that I, WINSLOW R. PARSONS, a citizen of the United States of America, residing at Chicago, Cook county, in the State of Illinois, have invented a new and useful Improvement in Attachment-Holders for Sewing-Machines, of which the following is a specification.

This invention relates to improved means for attaching hemmers, binders and the like to the presser-bars and presser-feet of sewing machines; and its objects are, first, to provide means for so attaching or holding the respective attachments in proper position without being obliged to remove the regular presser-foot; secondly, to afford facilities for adjusting the attachments laterally so that the alignment of the edges of hems, bindings, &c., with the needle can be regulated or varied at will; thirdly, to add to the effectiveness of the attachments by holding them firmly or steadily; and fourthly, to furnish means whereby attaching and removing the attachments is made so simple and easy that an unskilled operator will readily understand them.

A sheet of drawings accompanies this specification as part thereof.

Figure 1 of the drawings is a view in perspective of my attachment-holder, holding a hemmer and attached to the presser-foot of a Wheeler & Wilson machine. Figs. 2 and 3 are perspective views of the two main parts of the attachment-holder detached and separated. Fig. 4 is a detached plan view of the hemmer, showing the peculiarly constructed attachment-shank. Fig. 5 shows the attachment-holder as modified for application to the presser-bar or to a round presser-foot shank, and is a top or plan view, showing the said bar or shank and the vertical screw of the attachment in cross section; and Fig. 6 is a front end view of the hemmer.

Like letters of reference indicate corresponding parts in the several figures.

This attachment holder is composed of two main-parts, A, B, of sheet-metal, an attachment-shank, C, of sheet-metal, and two thumb screws, D, D². Said part A, shown detached in Fig. 3, has a hook, *a*, and a lug, *a'*, formed by forward bends at the respective extremities of a vertical body portion, and opposed to each other as shown; said lug being pro-

vided with a tapped hole, *a*⁵, to receive the thumb-screw D. A horizontal or substantially horizontal portion, *a*² to project forward to one side of the needle-hole in the presser-foot or the sliding plate of the presser-foot, is connected with said body portion by a bend of the proper angle, and provided perpendicular to its top with a stud-pin, *a*³, and with a tapped hole, *a*⁴ Fig. 5, the latter fitted to the thumb-screw D². Said part B, shown detached by Fig. 2, has at one end, *b*, an opening, *b'*, and a lip, *b*², formed by the metal cut from said opening; said lip being bent forward a little, while the remainder of said end *b* is bent backward at right angles. At its other end there is a lug, *b*³, bent forward at right angles, and a slot, *b*⁴, from which said lug is cut. The parts A and B are put together by inserting said hook *a* through said opening *b'*, and then passing said lug *a'* through said slot *b*⁴, after which the thumb-screw D is screwed into said hole *a*⁵. The thumb-screw, D², may remain screwed into said hole *a*⁴ the part A.

The attachment-shank C is made with a hole *c* which just fits over said stud-pin *a*³ on the part A, and with an open slot *c'* which fits loosely around the thumb-screw D² beneath its head; and the hemmer-scroll, *c*², or a binder-scroll or the like, is soldered fast to the bottom of said shank at its front end. With the thumb-screw D turned back, and the lug *b*³ in contact with the lug *a'*, the united parts A, B are readily applied to the back of the presser-foot shank or presser-bar, E, to which they are fitted; and by then tightening said thumb-screw, D, the holder is securely attached, said shank or bar E being partly embraced by the hook *a* and lip *b*², and held between them as in a vise. See Figs. 1 and 5. The shank C of the desired attachment is then applied, by first inserting the stud-pin *a*³ in the hole *c*, and then engaging the slot *c'* with the thumb-screw D² which serves unaided to keep said stud-pin *a*³ and the hole *c* interlocked; and the scroll *c*² is adjusted, by swinging the shank laterally upon said stud pin *a*³ as a pivot until the desired alignment relative to the needle is obtained; after which said thumb-screw D² is tightened to fasten the attachment in its working position. The slot *c'* is long enough so that the gage edge of a

hemmer or binder scroll can be moved laterally in both directions past the line of alignment with the needle, so as to adjust the hemmer or binder for all the various kinds of goods to the satisfaction of the operator. When the hemmer or binder scroll is attached and adjusted as above, said horizontal portion a^2 of said part A projects forward to one side of the needle-hole as above, and said shank C of the attachment overlies the same with the scroll beneath the shank C. Said portion a^2 of the part A may or may not be in the same horizontal plane as the sliding plate of the presser-foot as used on a Wheeler & Wilson machine, but it does not in any case rest upon the cloth plate of the machine. The under-side of the scroll is all that comes in contact with the cloth-plate; said arm a^2 and said shank C being bent more or less flatwise as shown in Figs. 1 and 3 to lower the scroll relatively to the clamp to the required extent.

The shank E of the presser foot of the Wheeler & Wilson machine, as shown in Fig. 1, is flat, and the construction of the parts A and B represented in Figs. 1 to 3 is adapted to that foot. In the modification illustrated by Fig. 5, the holder is adapted to presser-feet with round shanks and to round presser-bars by so extending and bending the hook a and lip b^2 as to adapt them to embrace the round shank or round bar to a sufficient extent. Other like modifications, adapting the holder in other respects, for use on different makes of sewing-machines, will suggest themselves to those skilled in the art.

I am aware that it is not broadly new to render a hemmer-scroll or the like laterally adjustable by means of a vertical pivot and a clamping screw; but, so far as I am aware, this has never before been accomplished except in an attachment-holder which either comprises a special presser-foot or is attached to the cloth-plate, whereas my attachment-holder is applicable to ordinary presser-feet and presser-bars. Moreover, in my attachment-holder, a single thumb-screw serves at once to keep the laterally adjustable attachment-shank interlocked with the vertical stud upon which it swings, and to fasten the shank after it is adjusted, and both the pivot-stud and the clamping screw are conveniently located in front of the presser-foot shank upon one and the same horizontal projection from the clamping portion of the holder, which materially simplifies the device, and is novel so far as I am advised.

I am also aware that sewing-machine attachments have been applied to ordinary presser-feet by means of shoes embracing such feet. In my attachment-holder there is no such shoe, and a given pattern of the device is applicable to a greater variety of ordinary presser-feet.

I am also aware that quilting attachments have been clamped to ordinary presser-bars above the presser-foot, and do not claim this feature of my attachment-holder in and of itself.

Having thus described the said attachment-holder, I claim as my invention and desire to patent under this specification—

1. The combination with an ordinary sewing-machine presser-foot and presser-bar of attachment-holder parts A B, which clamp the presser-foot shank or presser-bar between them and are united by a screw D, said part A having a horizontal or substantially horizontal portion a^2 which projects forward to one side of the needle-hole, and an attachment shank supported by said portion a^2 , substantially as hereinbefore specified.

2. The combination with a sewing-machine presser-foot and a presser-bar of an attachment-holder which comprises a part A having a horizontal or substantially horizontal portion a^2 , in front of the presser-bar, provided with a stud-pin and a screw-threaded hole perpendicular to its surface, a thumb-screw D² fitted to said hole, and a laterally adjustable shank C having a pivot-hole fitted to said stud-pin, and an open slot loosely fitted to said thumb-screw beneath its head, said thumb-screw serving at once to keep said stud-pin and pivot-hole interlocked and to fasten the adjusted attachment-shank, substantially as hereinbefore specified.

3. In an attachment-holder for sewing-machines, the part A having the hook a and lug a' , the latter provided with the screw-threaded hole a^5 , in combination with the part B having the oppositely bent end b and lip b^2 the opening b' in said end b the lug b^3 and the slot b^4 behind said lug b^3 , and a thumb-screw D fitted to said hole a^5 , and serving to unite said parts and to tighten the holder upon a presser-foot shank or presser-bar, substantially as hereinbefore specified.

WINSLOW R. PARSONS.

Witnesses:

DAVID GRANT,
LOUIS VERVERALD.