

(Model.)

E. C. REESE.

COMBINED RUFFLER AND PIPING ATTACHMENT FOR SEWING MACHINES.

No. 339,693.

Patented Apr. 13, 1886.

Fig. 1.

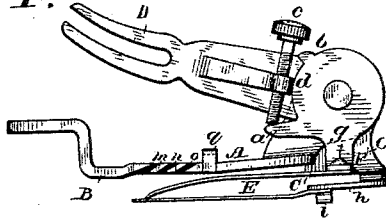


Fig. 2.

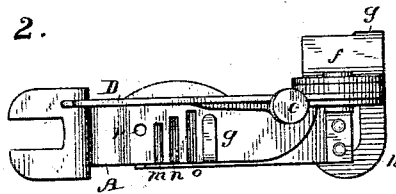


Fig. 3.

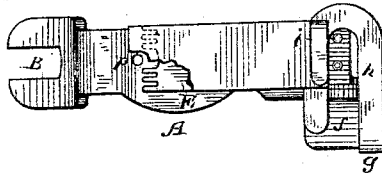
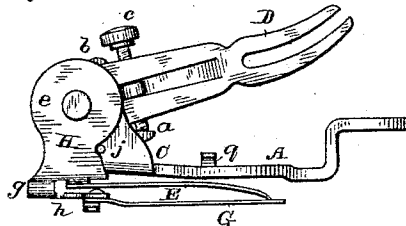


Fig. 4.



WITNESSES

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EVAN C. REESE, OF ALTOONA, ASSIGNOR TO THE AMERICAN BUTTONHOLE, OVERSEAMING AND SEWING MACHINE COMPANY, OF PHILADELPHIA, PENNSYLVANIA.

COMBINED RUFFLER AND PIPING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 339,693, dated April 13, 1886.

Application filed December 27, 1884. Serial No. 151,509. (Model.)

To all whom it may concern:

Be it known that I, EVAN C. REESE, of Altoona, in the county of Blair and State of Pennsylvania, have invented an Improved Combined Ruffler and Piping Attachment for Sewing-Machines, of which the following is a specification.

My improved ruffling and piping attachment embodies several features that are old and well known to those familiar with this class of machines; but I have made certain additions and so modified the construction of the devices that the work may be done with greater facility and accuracy than heretofore.

In the accompanying drawings, Figure 1 is an elevation of the front of my improved device; Fig. 2, a plan view; Fig. 3, a bottom view with a part of the separator broken away, and Fig. 4 an elevation of the back of the device.

The bed-plate A is preferably formed integrally with the presser-foot B, and is provided on one side at its outer extremity with an upright, C. The operating-lever D is pivoted to the upright C, and is worked by the needle-bar in the customary manner. The ruffling-blade E is attached to a hanger, F, that is pivoted to the upright C. The hanger is provided on its upper end with lugs *a b*, against which the screw *c* and its bearing *d* work in reciprocating the ruffling-blade E. In operation the lower end of the screw abuts against the lug *a* and the bearing *d* against the lug *b*. The forward movement of the blade E is limited by the hanger F impinging against the bed-plate A at *C*.

The parts above named are of usual construction, and are not claimed by me. The plate G, that separates the work from the ruffling-blade E, is secured to the guide H, that is pivoted to the upright C, so that when desired the guide and plate may be swung up out of the way. The guide H consists of an upright, *e*, and a right-angle extension, *f*, which is reduced in width at *g*, and bent under and extended forward under the bed-plate A in a line parallel with *f*, and then bent

back in the same horizontal plane, forming a U-shaped loop, *h*. It will be seen that two guides are formed by this organization—one between the two arms of the U-shaped loop and one between the right-angle extension *f* and the arms of the loop. The material may be fed through either of these guides. A loop, *i*, is secured to the bottom of the inner arm of the loop *h*, for the purpose of guiding the "work" or the material to which the trimmings are to be sewed. The forward movement of the separator G is limited by a stop-stud, *j*, secured to the upright C, against which the upright *e* of the pivoted guide H abuts.

A series of inclined slots, *m n o*, is formed in the bed-plate A in front of the needle-hole *p*, for the purpose of laying piping. The slots extend from the edge of the bed-plate inwardly and increase in depth from *m* to *o*. *m* and *n* guide the material that forms the piping, and the slot *o* guides the strip to which the piping is sewed. A guide-loop, *q*, is secured to the bed-plate in front of the slot *o*, and serves to keep the piping or strip, or both, in true line with the work. By adjusting the screw *c* the action of the ruffling-blade may be stopped, and by swinging the separator G back out of the way the work may be gathered and the piping applied directly thereto.

I am aware that various forms of bent metal guides have been combined with ruffling attachments for sewing-machines. I am also aware that a hinged separator is not broadly new.

I claim as my invention—

1. The combination, substantially as set forth, of the bed-plate, the upright mounted on the bed-plate, the ruffling-blade hinged to the upright, the operating-arm, and the separator hinged to the upright concentrically with the ruffling-blade, whereby it may be swung away from the bed-plate when not in use.

2. The combination, substantially as set forth, of the ruffling-blade, the operating-arm, the upright, the guide hinged to the upright,

the separator carried by the guide, and the stud *j*, against which the guide rests when the separator is in its operative position.

3. The combination, substantially as set forth, of the ruffling mechanism, the slotted bed-plate, and the guide-loop that retains the piping in place, secured to the bed-plate immediately in front of the slots.

In testimony whereof I have hereunto subscribed my name.

EVAN C. REESE.

Witnesses:

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A. BIRCH STAUFFER.