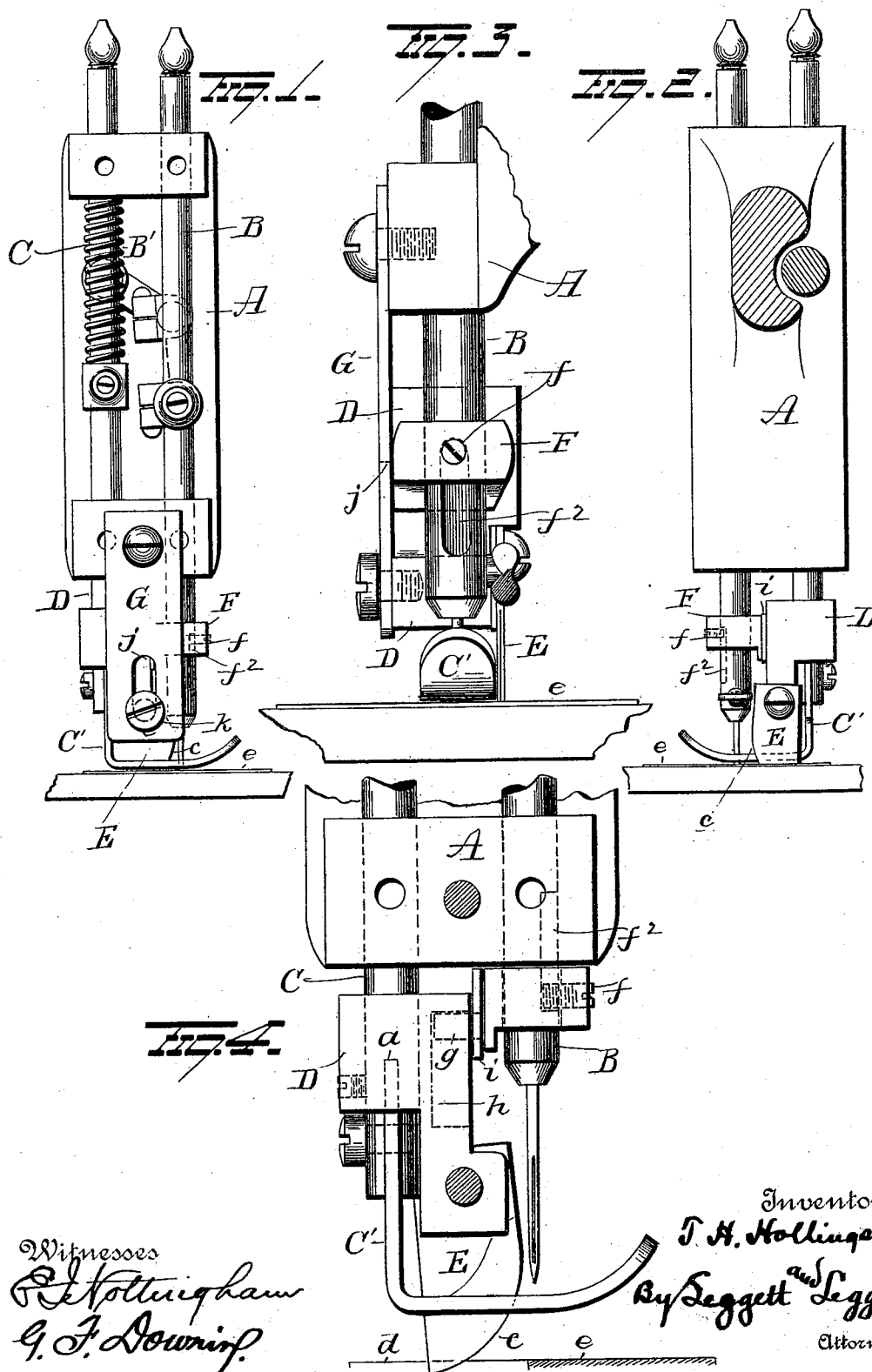


(No Model.)

T. H. HOLLINGSWORTH.
TRIMMING ATTACHMENT FOR SEWING MACHINES.

No. 510,342.

Patented Dec. 5, 1893.



Witnesses
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UNITED STATES PATENT OFFICE.

THOMAS H. HOLLINGSWORTH, OF SCOTLAND NECK, NORTH CAROLINA.

TRIMMING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 510,342, dated December 5, 1893.

Application filed July 14, 1893. Serial No. 480,462. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. HOLLINGSWORTH, a resident of Scotland Neck, in the county of Halifax and State of North Carolina, have invented certain new and useful Improvements in Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in sewing machines and more particularly to a trimming attachment therefor,—the object of the invention being to produce simple and efficient devices adapted to be attached to a sewing machine and be actuated by the same, during the operation of sewing, for trimming the edge of the material being sewed.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawings: Figure 1 is a front face view showing the improvements. Fig. 2 is a rear face view. Fig. 3 is a side view. Fig. 4 is a detail view.

A represents the arm of a sewing machine, in the end of which the reciprocating needle bar B and the spring actuated presser bar C are located. Secured to the presser bar, below the end of the arm A, is a block D, which is preferably provided in its lower end with recesses *a* for the reception of the upper end of the presser foot C', secured to the presser bar. A blade E having a beveled cutting edge *c* is secured to the inner face of the block D, said blade E projecting downwardly in close proximity to one edge of the presser foot C' and passing through an elongated slot *d* in the plate *e*, in which slot the blade is made to reciprocate vertically, by means which will be presently described, and thus caused to trim the edge of the material being sewed. A sliding block F is mounted on the needle bar B below the end of the arm A and is provided with a screw or pin *f* adapted to operate in an elongated slot *f*² in the needle bar. The sliding block F is also provided with a pin or projection *g* adapted to enter and operate in a vertical slot *h*, in the block D, and on said pin or projection, between

said blocks, a washer *i* is preferably placed. A plate G is secured at its upper end to the end of the arm A and projects downwardly therefrom parallel with the front or outer face of the block D, said plate G being provided with an elongated slot *j* for the accommodation of a screw or pin *k* carried by the block D. The plate G thus serves to guide the block D and prevent it from turning on the presser bar.

Assume now that the needle bar B and the presser bar are at the lower extremities of their throw or movement. As the needle bar moves upwardly, it will pass freely through the block F until the lower end of the slot *f*² reaches the pin or screw *f*, when said block will be carried upwardly and the pin *g* made to engage the upper end of the slot *h* in the block D. As the needle bar continues its upward movement the block D will be made to move upwardly, carrying the blade E upwardly through the slot *d* in the plate *e*. When the needle bar moves downwardly the presser bar B will be forced downwardly by its spring B', causing the block D to descend and the blade E to pass down through the slot *d* in the plate *e* and trim the edge of the material being sewed.

My improvements are very simple in construction, not easy to get out of order, and are effectual, in every respect in the performance of their functions.

Slight changes might be made in the details of construction of my invention without departing from the spirit thereof or limiting its scope, and hence I do not wish to limit myself to the precise details of construction herein set forth, but,

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with the presser bar and needle bar of a sewing machine and a spring for normally forcing said presser bar downwardly, of a blade carried by the presser bar, and a device carried by the needle bar for raising the presser bar and blade carried thereby, substantially as set forth.

2. The combination with the presser bar and needle bar of a sewing machine, and a spring for normally forcing said presser bar downwardly, of a block secured to said presser

bar, a blade carried by said block, and a sliding block mounted on the needle bar and adapted to engage the first-mentioned block and raise it and the blade carried thereby, substantially as set forth.

3. The combination with the presser bar and needle bar of a sewing machine and means for normally depressing the presser bar, of a rigid block on said presser bar, a blade carried by said rigid block, and a sliding block carried by the needle bar and having a sliding connection with the said rigid block and adapted to actuate the same to operate the blade, substantially as set forth.

4. The combination with a presser bar and a needle bar of a sewing machine, the latter having an elongated slot therein, and means for normally depressing the presser bar, of a rigid block carried by the presser bar and having an elongated slot, a sliding block carried by the needle bar and having a projection to enter the elongated slot in the rigid

block, a pin or screw carried by the sliding block and adapted to enter the elongated slot in the needle bar, and a blade carried by said rigid block, substantially as set forth.

5. The combination with a presser bar and a needle bar of a sewing machine, and an arm carrying said bars, of a rigid block carried by the presser bar, a blade carried by said block, means carried by the needle bar for moving said rigid block vertically, and a plate secured to said arm and provided with an elongated slot for the accommodation of a pin projecting from said rigid block, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

THOMAS H. HOLLINGSWORTH.

Witnesses:

JNO. P. FUTELL,
A. MCDOWELL.