

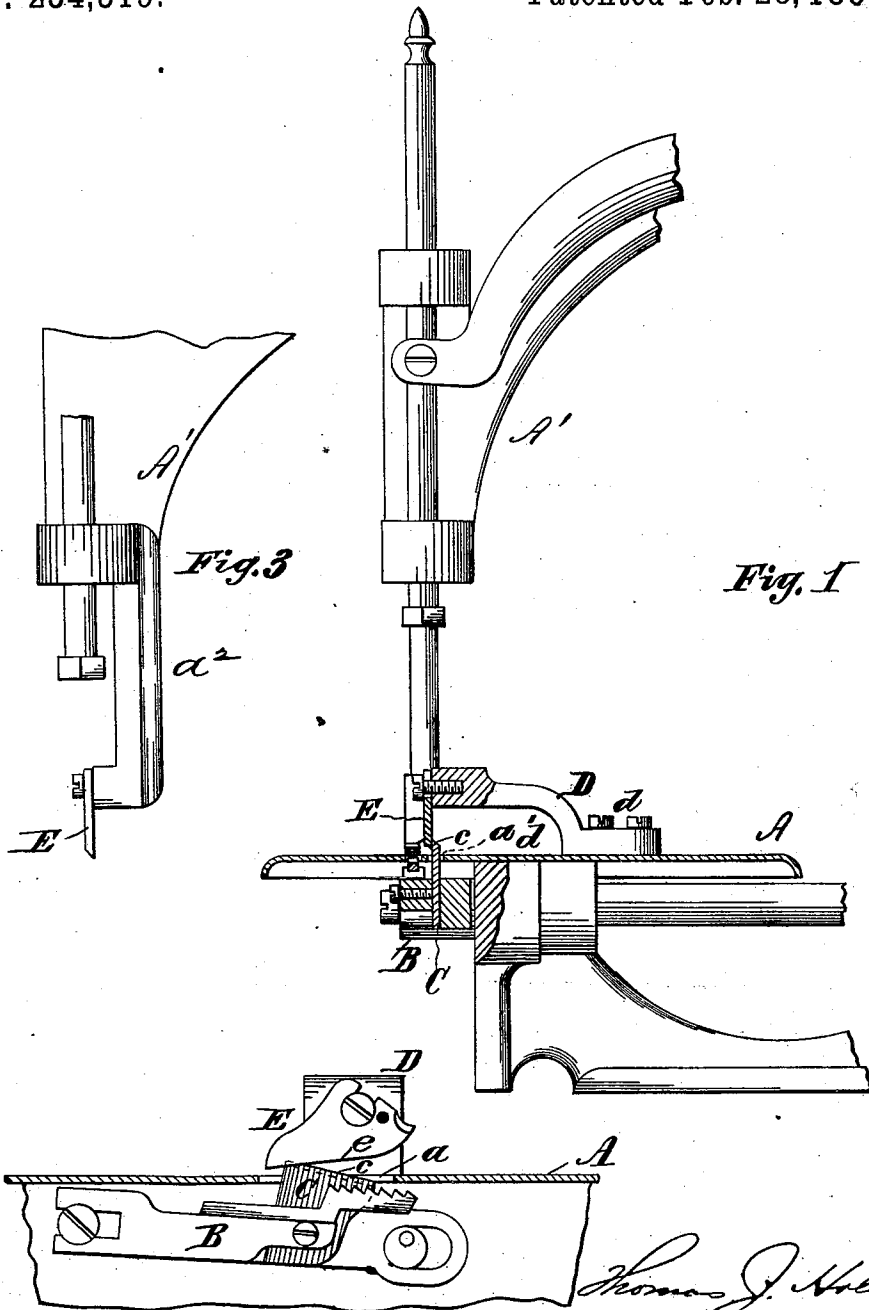
(No Model.)

T. J. HOLTON.

TRIMMER FOR SEWING MACHINES.

No. 254,319.

Patented Feb. 28, 1882.



WITNESSES:
S. Van Stavern
Geo. R. Dington

Fig. 2

INVENTOR,

By Connolly & Co.

ATTORNEYS

UNITED STATES PATENT OFFICE.

THOMAS J. HOLTON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF TO JOHN E. HANIFEN, OF SAME PLACE.

TRIMMER FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 254,319, dated February 28, 1882.

Application filed May 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. HOLTON, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Trimmers for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, and in which—

Figure 1 is a broken elevation of a sewing-machine, partly in section, with my improved trimmer applied thereto. Fig. 2 is an elevation of my invention, and Fig. 3 is a detail modification of the same.

My invention has for its object to provide simple, effective, and comparatively inexpensive mechanism, forming a trimming device for sewing-machines.

My invention consists in the peculiar construction and combination of parts, hereinafter fully set forth, having reference principally to the following points: First, to the combination, with the cloth-plate of a sewing-machine, of a bracket secured thereto and carrying a rigid or stationary knife whose cutting-edge is on its lower side, and which operates, in conjunction with the knife attached to the feed-bar, to trim the fabric while being stitched or in its passage over the cloth-plate; second, to the combination, with a sewing-machine, of a trimming or cutting attachment composed of two knives or cutters, one a vibrating or moving blade attached to mechanism below the cloth-plate, and effecting an upward cut while in operation, the other a stationary or rigid knife having a fixed bearing above the cloth-plate and formed with a cutting-edge on its lower side.

Referring to the accompanying drawings, which illustrate a machine with my improvements attached, A shows the cloth-plate, and B the feed-bar, which may be of the usual or any suitable construction.

C represents a knife secured to the feed-bar, with its cutting-edge *c* up, so that as said feed-bar operates the knife effects an upward cut through a slot, *a*, in the cloth-plate.

D represents a bracket, secured at its rear end by screws *d d* to the cloth-plate on its up-

per side. The forward end of said bracket is raised above the cloth-plate, so as to give a clearance-space, *d'*, for fabric in its movement over said cloth-plate. To said forward end is secured a rigid or stationary knife or cutter-bar, E, having a cutting-edge, *e*, on its under side. The vibrating or moving knife C acts upwardly against the blade or cutter-bar E whenever the feed-bar rises. The advantages of the foregoing construction are simplicity, efficiency, and comparative inexpensiveness.

By attaching the knife C directly to the feed-bar the expense of providing a special shaft for said knife is avoided and the additional power required for such extra shaft dispensed with. The cut being upward instead of downward, the tendency of the trimmer is to avoid the accumulation of lint or cuttings in the throat or between the cloth-plate and feed-bar of the machine, which occurs with trimmers cutting downwardly.

If desired, the knife E may be secured to the head A' of the machine through the medium of a hanger, *a*², instead of supporting it on the cloth-plate, its operation and effect being substantially the same as when sustained on said cloth-plate, and this construction I consider as within the spirit of my invention and included in my claims.

What I claim as my invention is as follows:

1. In a sewing-machine trimmer, a stationary knife or blade rigidly secured to the cloth-plate, on the upper side of the same, in combination with a knife or blade secured to the feed-bar and operated thereby to effect an upward cut, substantially as described.

2. The combination, with a sewing-machine, of a trimming or cutting attachment composed of a knife or blade secured to the feed-bar and moving therewith, and a bracket sustained on the cloth-plate and carrying a rigid or stationary knife, blade, or cutter-bar, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of May, 1881.

THOMAS J. HOLTON.

Witnesses:

H. D. DUBOIS,
S. J. VAN STAVOREN.