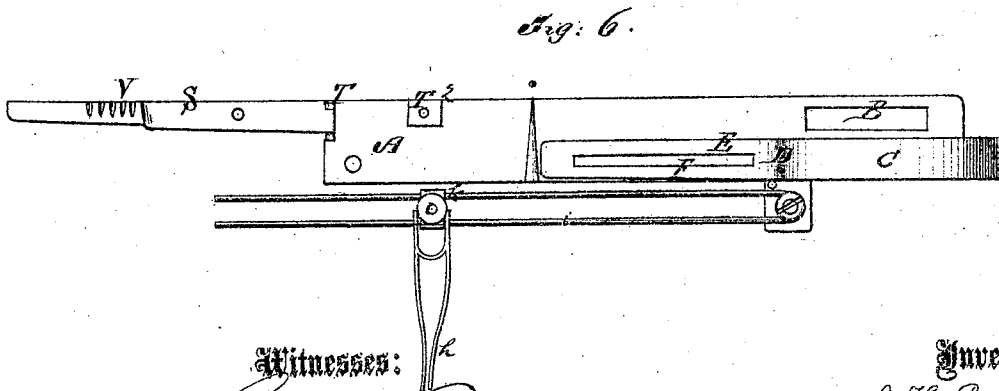
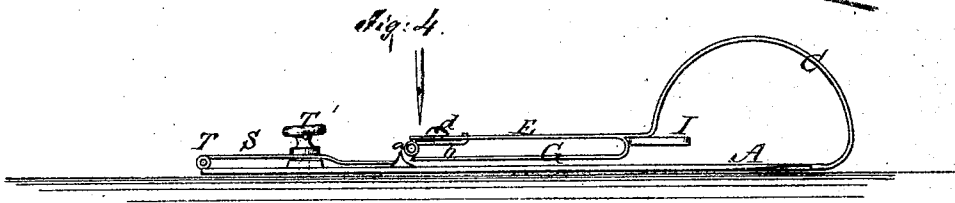
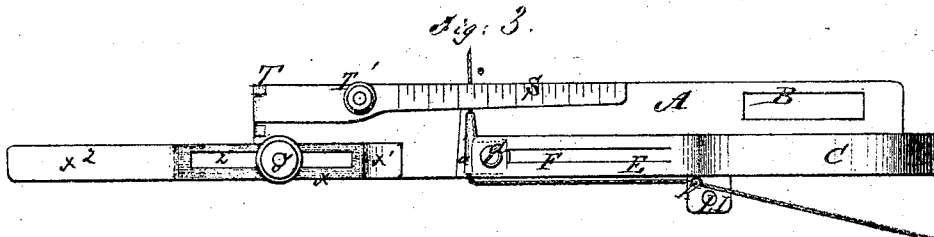
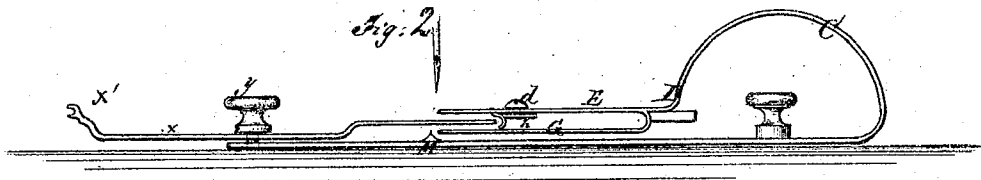
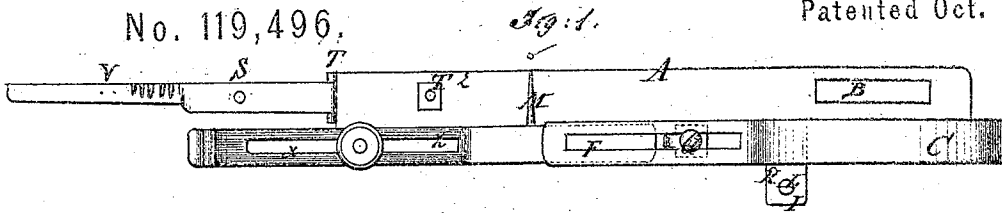


Case B

A. H. Bartlett's Sewing Machine Attachment.

No. 119,496.

Patented Oct. 3, 1871.



Witnesses:

Chas. Nida.
Wm. H. C. Smith.

Inventor:

A. H. Bartlett.

PER

Wm. H. C. Smith.
Attorneys.

UNITED STATES PATENT OFFICE.

ABEL H. BARTLETT, OF SPUYTEN DUYVIL, NEW YORK.

IMPROVEMENT IN ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 119,496, dated October 3, 1871.

To all whom it may concern:

Be it known that I, ABEL H. BARTLETT, of Spuyten Duyvil, in the county of Westchester and State of New York, have invented a new and Improved Sewing-Machine Attachment; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in sewing-machine attachments; and it consists in a base-plate, with arms or plates supported one above another along the front of the base-plate for the attachment of devices of various kinds for tucking, cording, hemming, and quilting, said plate also having a cloth-pressing spring controlling the cloth in passing from the said devices to the needle. The invention also comprises certain attachments to the said plate and its adjuncts for use in combination therewith in the above-mentioned operations, all as hereinafter described.

Figure 1 is a plan view, and Fig. 2 a side elevation of the said plate and the attachments for forming tucks. Fig. 3 is a plan view, and Fig. 4 a side elevation of the same, with the cording attachments. Fig. 5 is a side elevation of the same with the hemming attachments, and Fig. 6 is a plan view of the same with the quilt-marking attachment.

Similar letters of reference indicate corresponding parts.

A is the base-plate, consisting of a long narrow strip of thin metal. It has a slot, B, for a clamp-screw to hold it upon the plate of the machine; also, a long curved arm, C, bent up from the rear end over the top and toward the front end to a point, D, where it is bent so as to assume a right line a short distance above the plate, and is extended thence in the arm marked E as far as to the line in which the stitching is made in the cloth, or thereabout, or so that the range of the slot B will admit of adjusting it to that line or beyond it. Said arm has a long slot, F, extending nearly from end to end. G is another arm of the same length and width as arm E, connected to the under side of the latter, a little in advance of the point D, by the bent end H, and behind this is a small plate, I, also attached to arm E, which plate extends forward and is pro-

vided with a guide-hole, K, for the cord used in cording, and a screw-threaded hole, L, for a clamp-screw for attaching the device used in quilting. M is a rib with concave sides, extending across the plate a short distance from the end of the arm G, which is employed for assisting in turning the cloth over the end of arm G. S is a spring-bar hinged to the end of plate A at T, to be held by the screw U over the cloth in passing from the arms E G to the needle. When folding or cording it has grooves V in the under sides for guiding the cord, according to the distance it is to be from the stitching, and it has a scale on the upper side for indicating the width of the cording. The apparatus thus far described constitutes the principal instrument to be employed for holding the devices hereinafter described and for use in connection with them in tucking, cording, hemming, and quilting. *h* is a tucking-guide or scroll, consisting of a small concave plate attached to a plane plate, by which it is clamped to the arm E, as shown in Fig. 2, by a screw, *d*, passing through the slot of said arm. X is a long plate with one end bent upward, as shown at *x'*, and having a notch in the end for receiving the end of arm E while clamped to plate A by the clamp-screw *y* passing through the slot *z*; and at the end of the slot *z*, opposite to the bent end *x'*, said plate is bent upward, as shown at *x''*, so that said raised end being presented between the arms E G and adjusted closely to the scroll W the cloth may be folded for tucks, the width of which will be governed by the distance the scroll W is from the line of stitching. In making tucks the cloth is passed under the arms C and G, back over the upper side to scroll W, and then out between the plate X and arm E to pass under the needle. The spring S is turned back, as indicated in Fig. 1, when the apparatus is used for tucking. *a*, Figs. 4 and 5, is a cord-guiding tube attached to a plate, *b*, by which and the clamp-screw *d* it is suspended from the arm E in the same way the scroll W is. When this is used the spring S' is turned over the cloth and held thereon by the tension-screw T¹ screwing into nut T². In this case the cloth also passes under the arms C and G. *c* is a hemmer-scroll attached to a plate, *f*, for attaching to the slotted arm E by the clamp-screw *d*. This hemmer-scroll is made considerably larger than the width of the hem to be made, for the purpose of supporting the cloth back of the hem; and a

stop, *g*, is applied to it to prevent the edge of the cloth from turning under too far. When using the hemmer the plate *X* is adjusted with its end *x*¹ in contact with the end of arm *E*, and the cloth is passed under the bow *C*. These hemming devices may be used in the same way for making band-trimming of any width. *h* is a spring chalk-holder, attached to the wire support *i* by a slide, *k*, and clamp-screw, so as to be adjusted toward or from the line of the needle when the said support is attached to plate *I*, as shown in Fig. 2, for chalking the cloth for quilting. In this case the spring *S* is turned back for the cloth to pass over it.

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

1. The plate *A*, slotted at *B*, having curved arm *C D*, long slotted arm *E F*, arm *G H I* with guide and clamp-holes, and concave-sided rib *M*, constructed as described, and applied as a holding device for tuckers, corders, hemmers, and quilters.

2. The hemmer *e f* and plate *x x*¹ combined with the arms *E G* and plate *A C*, substantially as specified.

3. The chalk-holder *h*, support *i*, and plate *I*, combined with the arms *E G* and plate *A*, substantially as specified.

ABEL H. BARTLETT.

Witnesses:

CHARLES L. BARTLETT,
JEREMY BARTLETT.

(97)