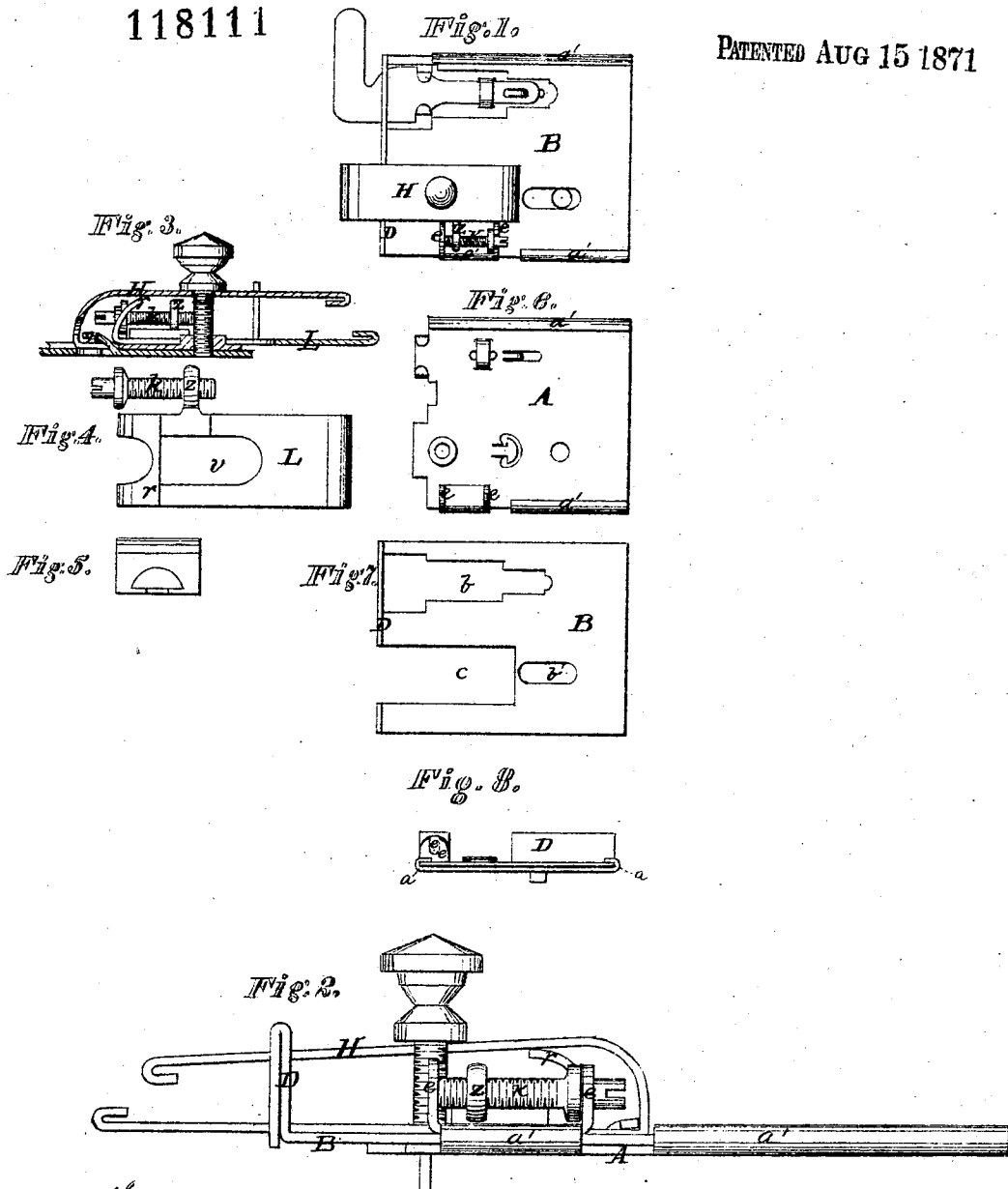


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SEWING MACHINE ATTACHMENT

118111

PATENTED AUG 15 1871



Witnesses:  
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# UNITED STATES PATENT OFFICE.

GEORGE A. COLTON AND SYLVESTER P. BABCOCK, OF ADRIAN, MICHIGAN.

## IMPROVEMENT IN BINDERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 118,111, dated August 15, 1871.

*To all whom it may concern:*

Be it known that we, GEORGE A. COLTON and SYLVESTER P. BABCOCK, of Adrian, in the county of Lenawee and State of Michigan, have invented a new and valuable Improvement in Sewing-Machine Attachments; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a top view of our invention. Fig. 2 is a side view of the same. Figs. 3, 4, 5, 6, 7, and 8 are details.

Our invention has relation to certain improvements in sewing-machine attachments; and consists in the construction and novel arrangement of a binder with an adjustable under guide-hook, designed to permit the width of the binding on either side of the cloth to be varied at will; also, in the construction and novel arrangement of an adjustable gauge.

A of the drawing represents the base-plate, turned over at each side. B designates the gauge-plate, arranged to slide on the plate A, being attached thereto by the lips *a' a'*, forming grooves *a a* at each side thereof. Suitable slots *b b'* are made in the gauge-plate to prevent obstruction by the end of the presser-plate, and by the set-screw which fastens the bed-plate to the plate of the sewing-machine. An elongated opening, *c*, is provided, to admit the binder or other sewing-machine attachment. D is the gauge, bent up from the front of the gauge-plate. *ee* represent the uprights or bearings for the adjusting-screw *k*. They are formed by bending up portions of the overlying lip *a'* which confines the gauge-plate to the bed-plate. H represents the upper

guide of the binder, which is fixed in position and secured to the base-plate by a clamp-screw and the button *n*. L represents the lower and adjustable guide, slotted at *v*, and bent upward at the rear end to meet the upper plate H. It is also provided with the fixed nut *z* and the adjusting-screw *k*.

When in position, the width of binding on the upper side of the cloth is regulated by means of the adjustable gauge D, the upper guide H being stationary. The width of the binding on the lower side of the cloth is regulated by sliding the lower guide backward and forward, by means of the adjusting-screw *k*, at the same time that portion *r*, which is bent upward from the rear, serves to prevent the sliding plate from riding upward, and thereby throwing the adjusting-screw *k* out of its bearings.

When the gauge is properly adjusted the plate is secured in position by means of the same clamp-screw which fastens the bed-plate to sewing-machine plate.

We claim—

The combination, with the bed-plate A having the bearings *ee*, of the variable binder herein described having the stationary upper guide H, and the adjustable lower guide L provided with the adjusting devices *z k*, substantially as herein specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

GEO. A. COLTON.  
SYLVESTER P. BABCOCK.

Witnesses:

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