

Jerome B. Secors,
Improvement in Binders for Sewing Machines.

116761

Fig. 1 PATENTED JUL 4 1871 Fig. 2.

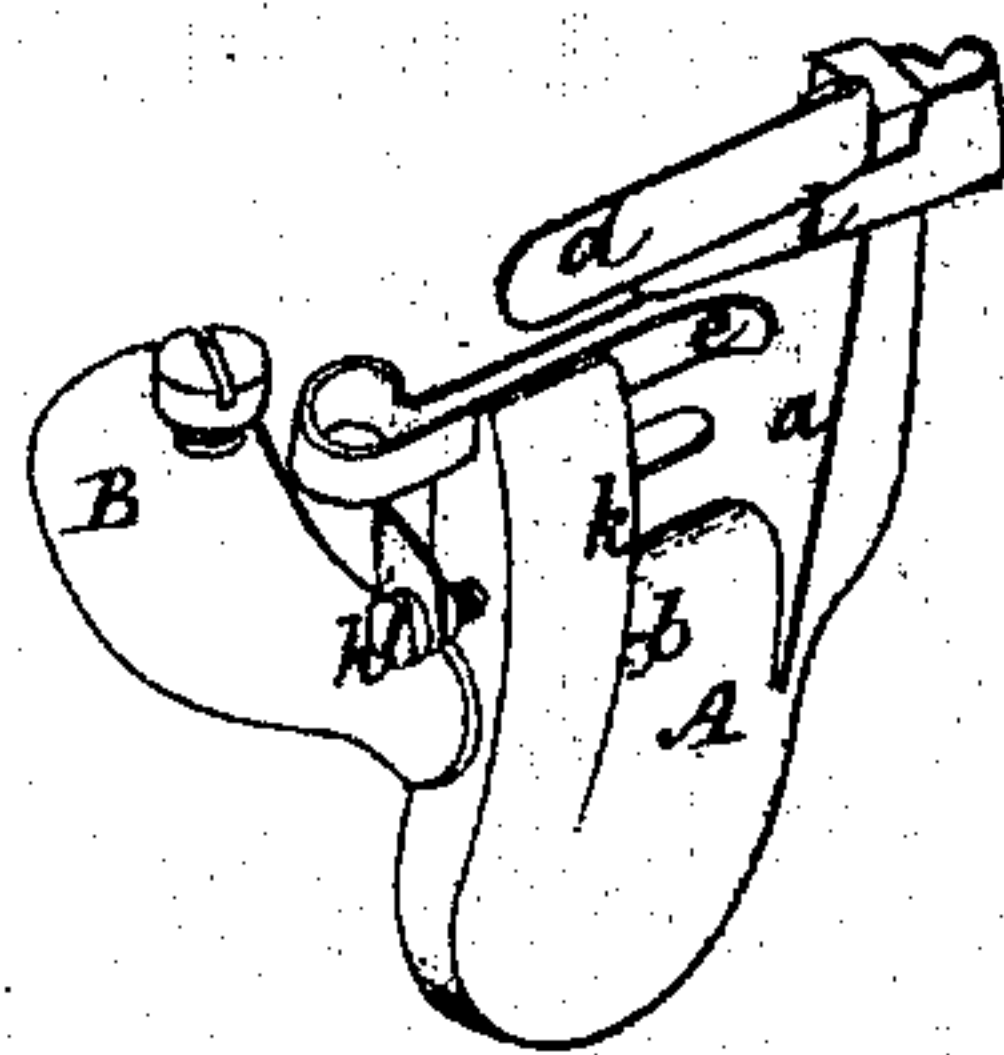
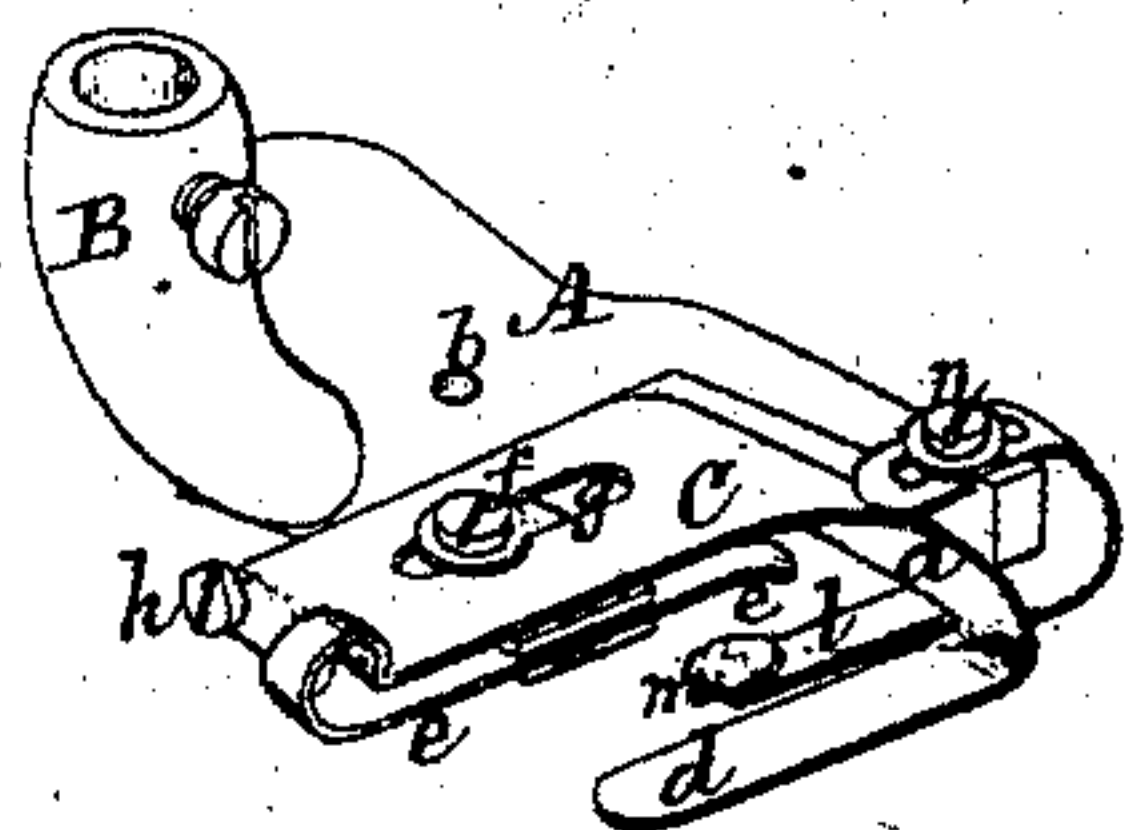


Fig. 3.

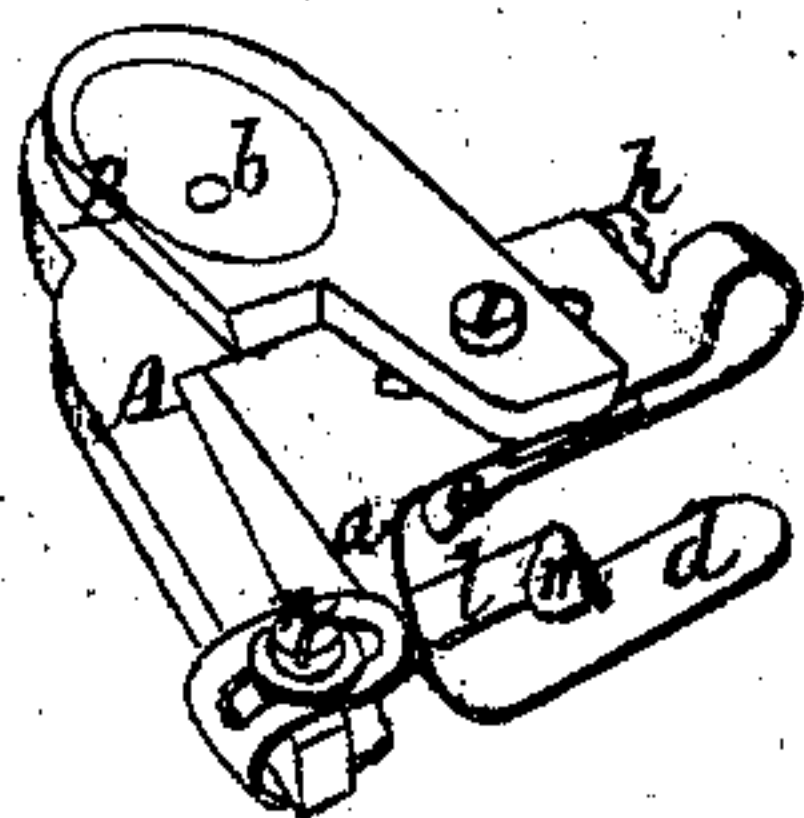


Fig. 4.

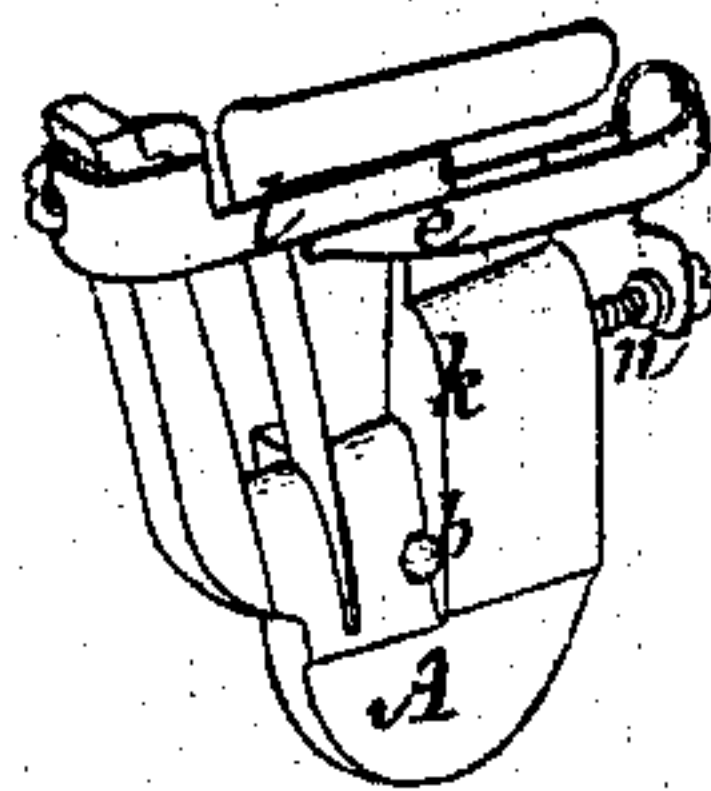


Fig. 5.

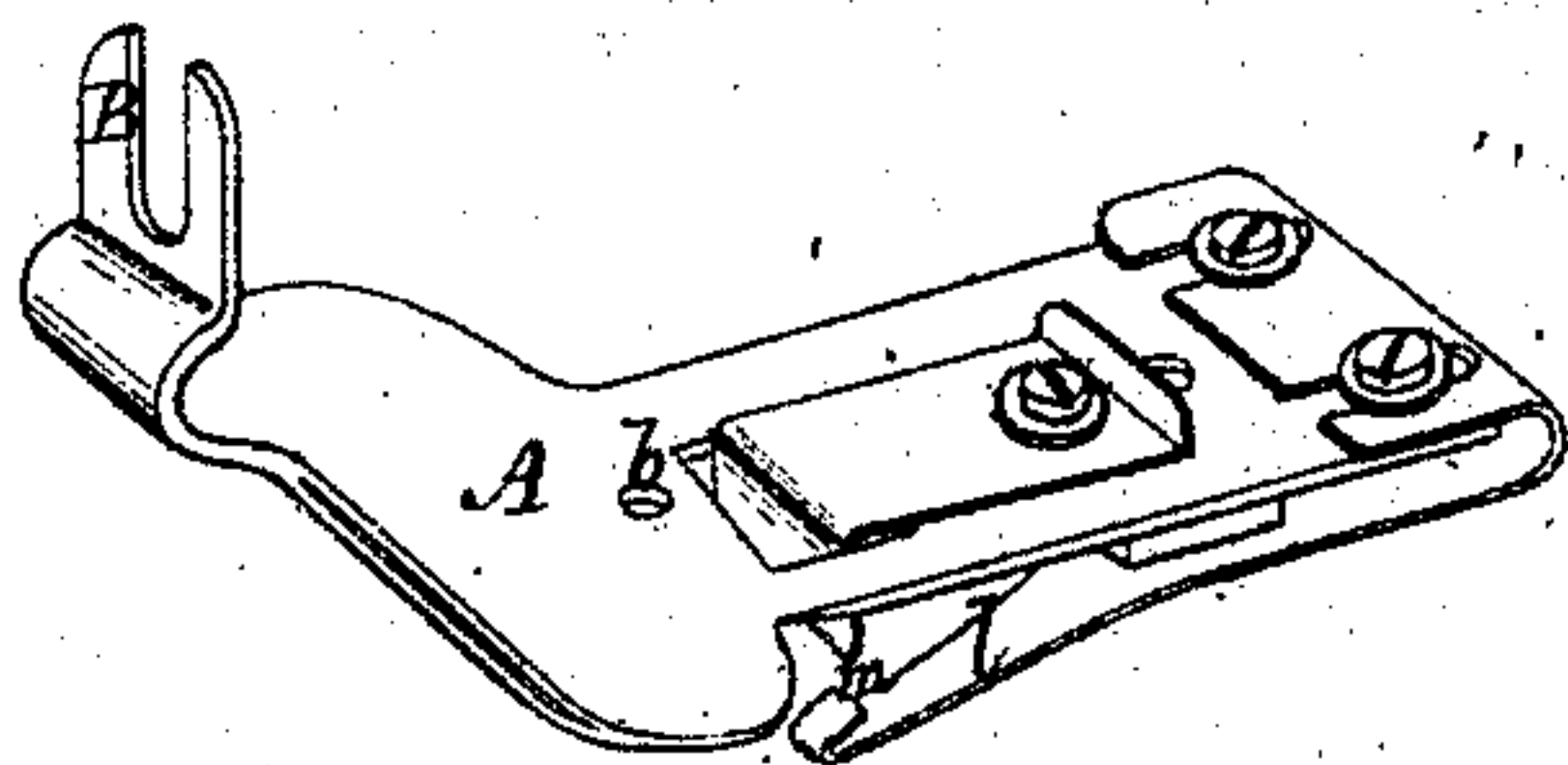
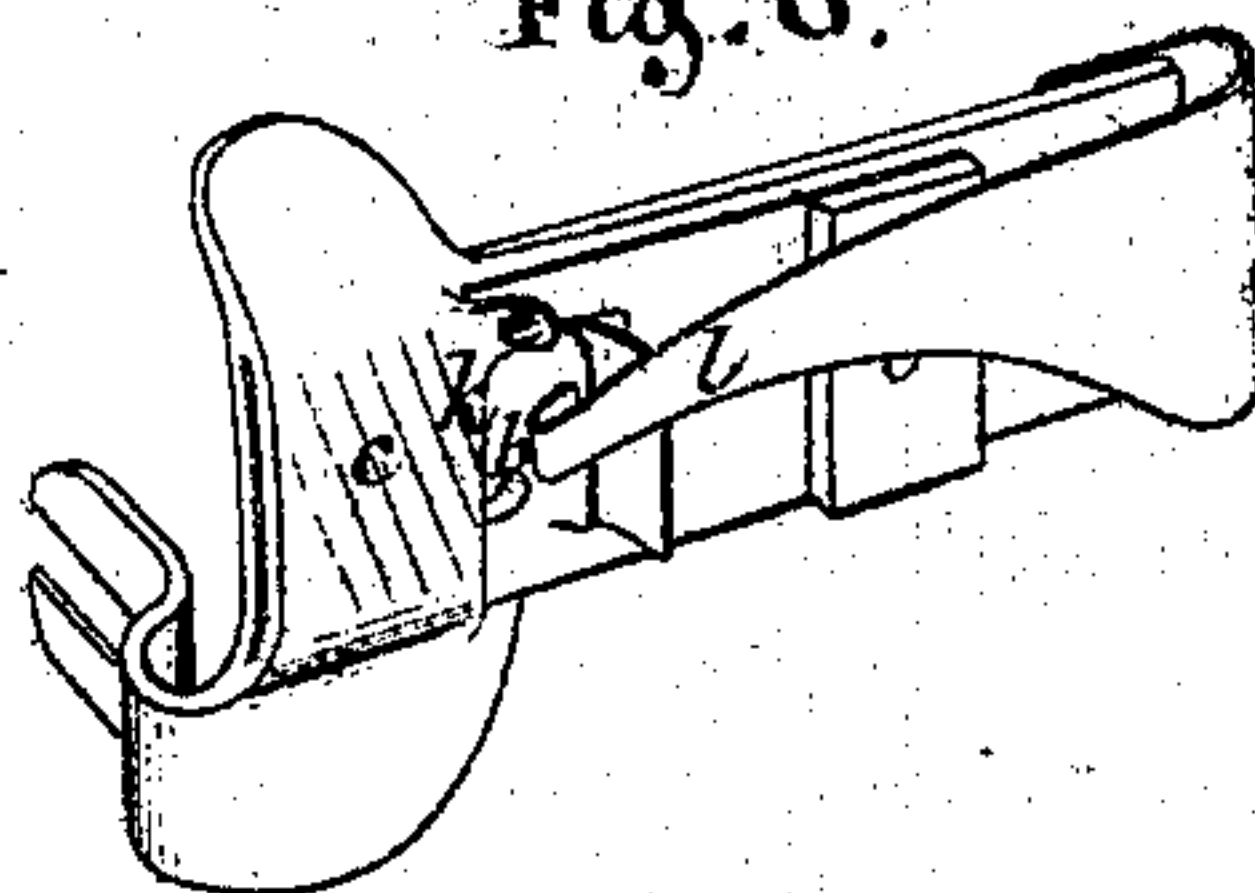


Fig. 6.



Witnesses.

Chas. C. Wilson
Edmund Masson.

Jerome B. Secor.
By atty A. B. Stoughton.

UNITED STATES PATENT OFFICE.

JEROME B. SECOR, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN BINDING-GUIDES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 116,761, dated July 4, 1871.

To all whom it may concern:

Be it known that I, JEROME B. SECOR, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Sewing-Machine Binders; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1 represents a view of the binder as constructed with a socket for being united to the presser-bar of a sewing-machine, as, for instance, in the Leavitt machine. Fig. 2 represents a view of the under side of the same. Fig. 3 represents a view of the binder as constructed when to be applied to a presser-bar, such, for instance, as the Wheeler & Wilson sewing-machine. Fig. 4 represents a view of the under side of Fig. 3. Fig. 5 represents a view of the binder as constructed to be applied to a Singer's tailoring sewing-machine. Fig. 6 represents a view of the under side of Fig. 5.

Similar letters of reference where they occur denote like parts of the machine in the drawings.

The object and purpose of my invention are to construct a sewing-machine binder which can be fastened to the presser-foot of the machine and follow all its motions, producing a more uniform quality of work, the cloth and binding being kept pressed together in a better relative position by the peculiar construction of my binder.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

A represents the body of the binder, which has a stem or projection, B, by which means it is fastened to the presser-foot of the sewing-machine. C is an adjustable guide, against which rests the rounded side of the binding-tape. The back *a* of this guide C is inclined toward the needle-hole *b* so as to bring the material to be bound and the tape in close contact. This operation is aided somewhat by serrations *c*, shown in Fig. 6, which center toward the needle-hole *b* and bring the two fabrics to be sewn together in

the most desirable position. This operation is further facilitated by the under portion *d* of this guide extending under the cloth so as to keep the work in the binder. From the upper part of this guide projects an arm, *e*, to hold the upper side of the tape in position. The guide C is fastened to the body A of the binder by means of the screw *f* passing through a slot, *g*, allowing the length of the guide to be regulated by the screw *f*, or further by means of the set-screw *h* at the side. The upper edge of the binding is guided by resting against the projection *k* formed on the under side of the body of the binder, as shown in Figs. 2, 4, and 6, the lower edge being regulated by the adjustable holder *l* having a hook, *m*, in the recess of which slides the lower edge of the tape. This holder *l* is fastened to the body of the binder by a screw, *n*, passing through a slot and allowing its adjustment.

Having introduced the tape in the binder so that its upper edge passes over the arm *e* and its lower edge rests in the recess of the hook *m*, the center portion rests against the rounded part *a* of the guide C, and, following its conical side, is drawn toward the needle, the upper edge of the tape following the projection *k* on the body of the binder, so that the needle will pierce the tape close to the edge in the neatest manner. The different modifications of the binder herein represented are essentially the same, except in the special means provided for securing them to the machines in general use.

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

The combination, with the presser-foot of a sewing-machine, of a binder composed of the body A, adjustable curved guiding-plate *c*, with its arms *d* and *e*, adjustable holder *l*, and projection *k* on the body of the binder, when all are constructed and operate in the manner described and represented.

Witnesses:

OLIVER P. SECOR,
EDWARD A. GRAVES.

J. B. SECOR.