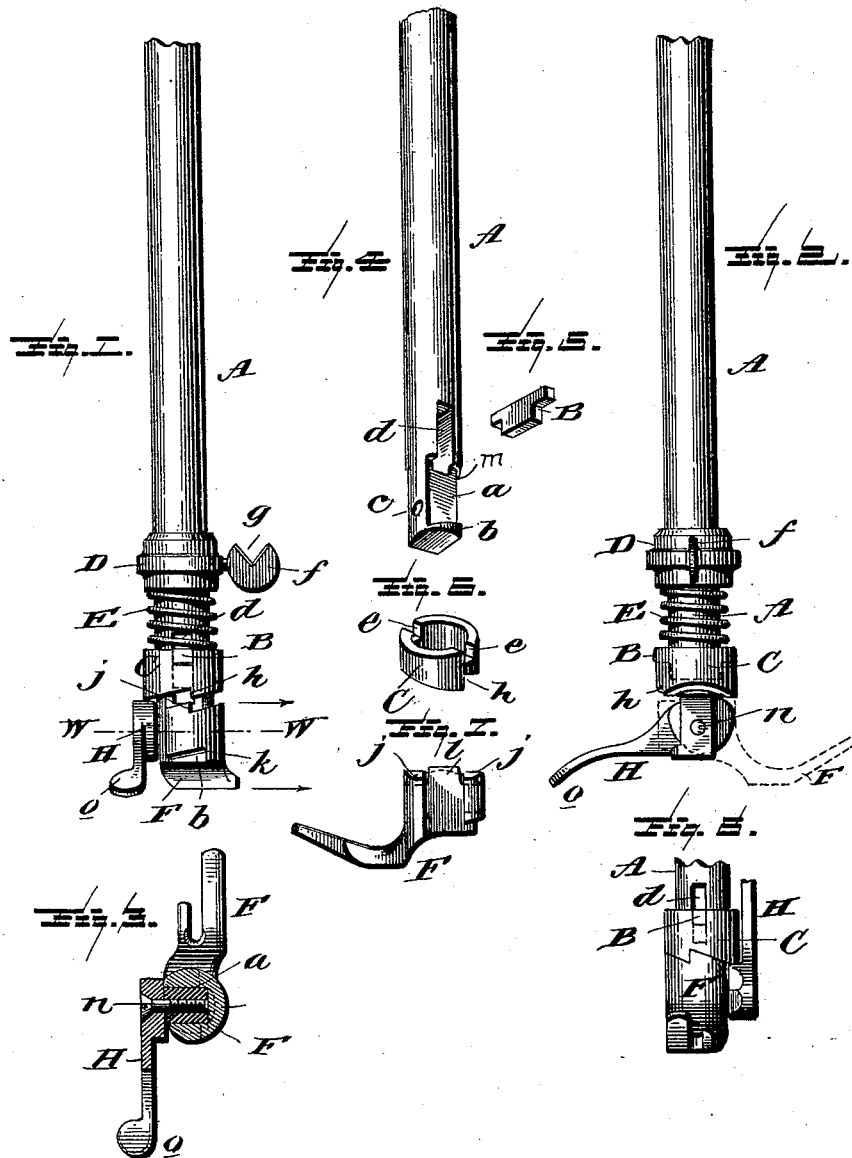


(Model.)

A. TALBOT & J. MATOT.
ATTACHMENT HOLDER FOR SEWING MACHINES.

No. 454,952.

Patented June 30, 1891.



Witnesses

Witnesses
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UNITED STATES PATENT OFFICE.

ADJUTOR TALBOT AND JOHN MATOT, OF NORTH ADAMS, MASSACHUSETTS.

ATTACHMENT-HOLDER FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 454,952, dated June 30, 1891.

Application filed February 27, 1891. Serial No. 383,129. (Model.)

To all whom it may concern:

Be it known that we, ADJUTOR TALBOT and JOHN MATOT, citizens of the United States, residing at North Adams, in the county of Berkshire and State of Massachusetts, have invented certain new and useful Improvements in Attachment-Holders for Sewing-Machines; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in attachments to sewing-machines, such as presser-feet and the like; and it has for its objects, among others, to provide simple and efficient means for readily and firmly attaching a presser-foot or other device to the presser-bar of a sewing-machine, and yet make provision for its ready removal for the purpose of affixing a different attachment, or for other purposes. We connect the attachment directly to the presser-bar, so that when once fixed it cannot turn around or move up and down on the presser-bar, and, to prevent dropping a ring with two or more notches, goes down under the pressure of a spring and sets in corresponding notches in the presser-foot or attachment. The said spring is stopped at its upper end by a movable ring, which is fixed to the presser-bar at the desired position to give the spring the necessary stiffness. The lower ring comes down and catches by the pressure of the spring, and is thrown up by a lever, the heel of which works as a cam or eccentric. The thumb-screw which holds the upper ring in its adjusted position at the same time serves as a thread-cutter.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a rear view of our improvements applied to the foot-bar of a sewing-machine. Fig. 2 is a view at right angles to Fig. 1. Fig. 3 is a cross-section on the line W W of Fig. 1.

Fig. 4 is a perspective view of the lower end of the foot-bar. Fig. 5 is a perspective view of the key that holds the lower ring in the slot of the presser-bar. Fig. 6 is a perspective view of the lower ring removed. Fig. 7 is a side view of the presser-foot removed. Fig. 8 is a detail in side elevation, showing the lower ring locked with the presser-foot.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates the presser-bar, which is formed with a practically square portion *a*, at the lower end of which upon one side is a lug *b*, and through the lower end at right angles to this lug is a hole *c*, as seen best in Figs. 4 and 3.

d is a slot through the presser-bar, and in this slot is the substantially T-shaped key B, the ends of which fit in the notches *e* of the lower ring C, said notches being formed in the upper edge of the ring, as seen in Fig. 6. The upward movement of the lower ring is limited by the engagement of the key with the upper wall of the slot *d*.

D is the upper ring, sleeved upon the presser-bar and provided with a thumb-screw *f*, by which it may be held in its adjusted position, and this thumb-screw is formed with a V-shaped notch *g*, the edges of which are sharpened to form a thread-cutter, as seen in Fig. 1.

E is a spring arranged between the two rings and surrounding the presser-bar, the tension or pressure of the spring being regulated by the position of the upper ring. The lower face of the lower ring C is formed with two notches *h* upon diametrically-opposite sides, the same coinciding with the slot *d* in the foot-bar, as seen in Fig. 1.

F is the attachment, which may be a presser-foot or any of the attachments employed in connection with sewing-machines. It has a shank open upon one side and fitted to the square portion of the foot-bar. The upper face is formed with two notches *j*, corresponding with the notches of the lower ring, and upon its under side has a notch *k*, which is designed to receive the lug *b* at the lower end of the foot-bar, as seen in Fig. 1, where it is engaged therewith. It also has at the side opposite the open side and between the two notches a thin lug or projection *l*, adapted to

fit a corresponding shoulder *m* on the foot-bar. The lower ring covers and slides over this lug or projection when the said ring is down.

- 5 H is a lever pivoted on the pin *n*, which is fitted in the hole *c* of the foot-bar, said lever having a thumb-piece *o*, and a cam head or heel, as seen best in Fig. 2. This lever is pivoted at the open side of the attachment, and
10 is so arranged as to act upon the lower edge of the lower ring, as seen best in Fig. 1. It has two cam portions or faces, as seen in Figs. 2 and 8.

The operation will be readily understood
15 from the above description when taken in connection with the annexed drawings. When it is desired to affix or remove the attachment the lever is thrown so as to raise the lower ring to its farthest extent, when the
20 notches thereof will be clear of those of the attachment, which can be readily placed upon the foot-bar or removed therefrom. Fig. 1 shows the ring raised and the attachment in place. By moving it in the direction of the
25 arrows in said figure it readily comes off of the foot-bar. When in place the lever is thrown in the opposite direction to permit the ring to be moved downward by the spring.

What we claim as new is—

- 30 1. The combination, with the presser-bar having lug *b*, of the attachment having notched upper and lower faces, the movable

lower notched ring, the adjustable upper ring, and the interposed spring, as set forth.

2. The combination, with the presser-bar 35 having lug *b*, of the attachment having notched upper and lower faces, the movable lower notched ring, the adjustable upper ring, the interposed spring, and the cam-lever pivoted on the presser-bar and having a portion 40 to engage the lower ring, as set forth.

3. The combination, with the presser-bar having lug *b* at its lower end, and a shoulder *m*, of the attachment open at one side and having notches *j j* and lug *l*, the cam-lever, 45 the lower ring, the adjustable upper ring, and the interposed spring, substantially as specified.

4. The combination, with the presser-bar having a lug *b* and slot, of the lower ring hav- 50 ing notches at its upper edge, the attachment having a notch to engage the lug *b*, and the substantially-T-shaped key working in the said slot with its ends seated in the notches of the ring, substantially as shown and de- 55 scribed.

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

ADJUTOR TALBOT. [L. S.]
JOHN MATOT. [L. S.]

Witnesses:

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