

J. T. JONES.

Attachments for Hemming, &c.

No. 146,185.

Patented Jan. 6, 1874.

Fig. 1.

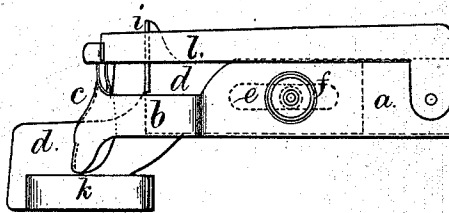


Fig. 2.

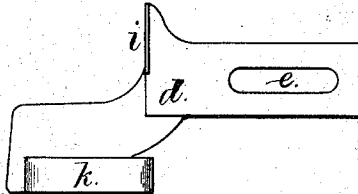
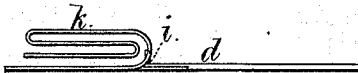


Fig. 3.



Inventor.

John T. Jones.

Witnesses.

Chas. H. Smith
Geo. D. Walker.

per Lemuel W. Perrell
att'y.

UNITED STATES PATENT OFFICE.

JOHN T. JONES, OF ILION, NEW YORK.

IMPROVEMENT IN ATTACHMENTS FOR HEMMING, &c.

Specification forming part of Letters Patent No. **146,185**, dated January 6, 1874; application filed May 2, 1873.

To all whom it may concern:

Be it known that I, JOHN T. JONES, of Ilion, in the county of Herkimer and State of New York, have invented an Improvement in Attachment for Hemming, &c., for Sewing-Machines, of which the following is a specification:

Hem-folders have been made with a turner to fold the edge, and with an adjustable gage to form different widths of hem.

My invention consists in a fold-turner made double and of U shape, so as to be adapted to folding the fabric for the hem, or for guiding, in its center part, a cord to be included in the hem, or the edge of a piece of fabric to be bound by a strip of binding running through such folder, or for uniting a strip to the hem. This U-shaped turner and guide is applied to a volute-edge turner, a movable gage, and an attaching-plate, so as to be adapted to the various uses set forth.

In the drawing, Figure 1 is a plan of the hemmer complete. Fig. 2 is a gage and fold-turner detached, and Fig. 3 is an elevation of the same.

The plate *a*, with the spring-arm *b* and volute-turner *c*, are of ordinary construction, and in use this volute turns the edge of the fabric under at or near the line of sewing. The plate *d* is beneath the plate *a*, and it is adjustable toward or from the turner *c*, a slot, *e*, being provided in such plate *d*, through which the screw *f* passes to clamp the parts after adjustment. At the end of this plate *d* is the gage *i*, against which the edge of the hem runs. The fold-turner *k* is made of spring sheet-metal upon a plate that extends out from the plate *d*, and such turner is formed as a U-shaped mouth open at one end, as seen in Fig. 3; and into this the fabric is introduced and drawn back in the upper portion of the mouth sufficiently far to properly enter the volute-turner *c*. It will now be understood that the gage *i* and fold-turner *k* move together in adjust-

ing the hemmer, and that the width of hem will thereby be varied, but the volute *c* will remain in the same place relatively to the needle of the sewing-machine. The spring-blade *l* is attached at one end to the plate *a*. The other end is free to move, and it is inclined, the edge nearest the arm *b* being the highest, so that the folded fabric passes easily beneath the same, and the hem is pressed out flat or creased by said blade, so as to pass correctly to the sewing mechanism.

When desired, a cord may be introduced at the inner part of the U-shaped folder, to be guided thereby into the hem, or the edge of a fabric or strip may be passed into this central portion, to be confined at one edge by the hem, or to receive around its edge a strip of binding introduced through the double portion of this turner. This guide is therefore available for a variety of uses.

I am aware that a hem-guide has been made by combining a volute-edge turner with the movable gage and a guide or fold-turner. My fold-turner being made of a double U shape, and of spring sheet-metal, yields freely as the fabric is introduced, but it acts to keep the fabric smooth as it passes into the hemmer, and avoids the risk heretofore existing of there being creases or folds in the hem, especially when wide.

I claim as my invention—

The U-formed fold-turner and guide, made of spring sheet metal and double, and connected to the gage *i*, in combination with the hemming-guide and attaching and adjusting mechanism, as set forth, and for the purposes specified.

Signed by me this 25th day of April, A. D. 1873.

JOHN T. JONES.

Witnesses:

THOS. RICHARDSON,
GEO. O. RASBACH.