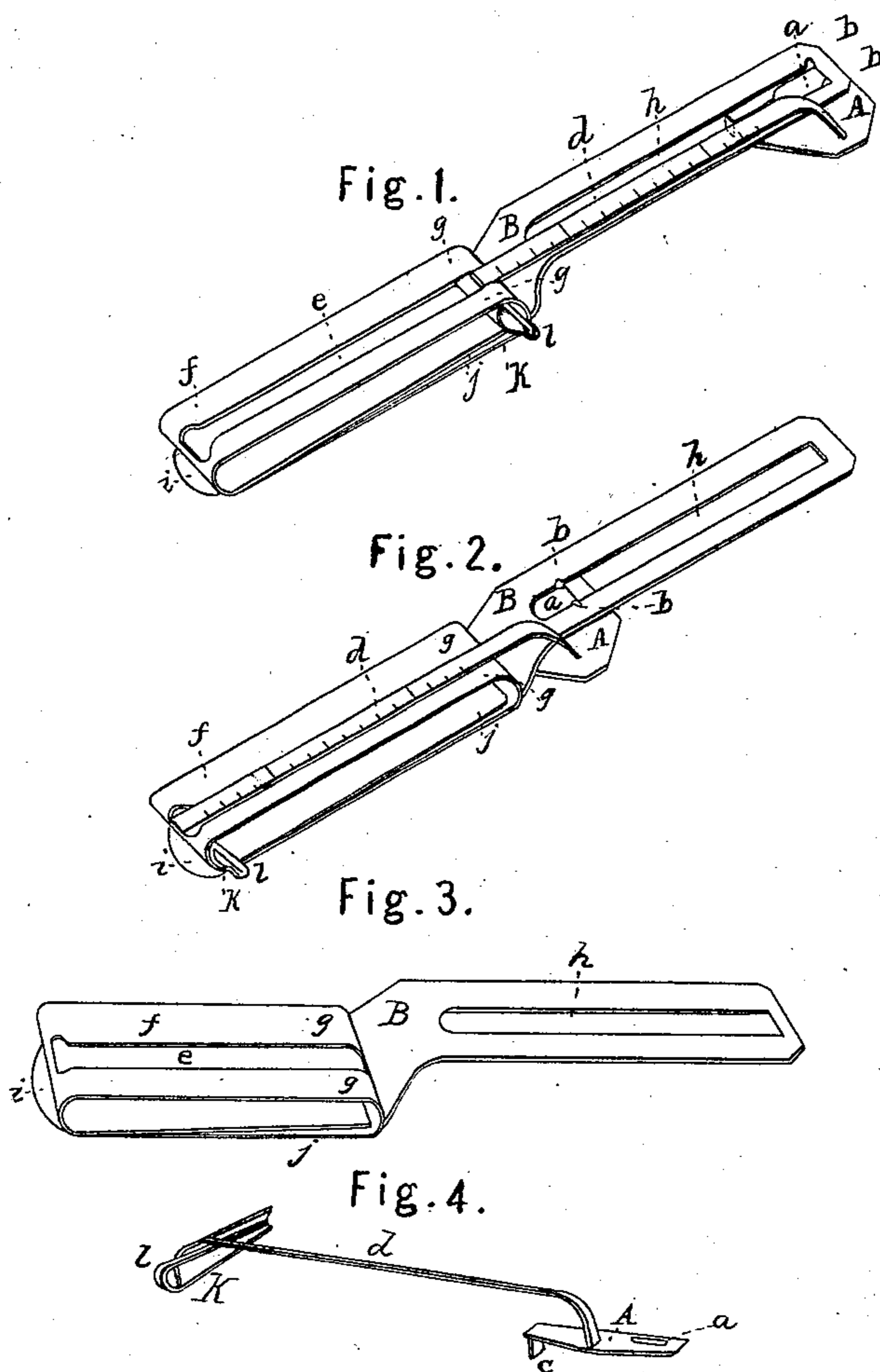


H. C. BARTLESON.
Sewing Machine Hemmer.

No. 92,692.

Patented July 20, 1869.



Witnesses.
Julius Cheabrough.
C. E. Blinn.

Inventor.
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United States Patent Office.

HENRY C. BARTLESON, OF TOLEDO, OHIO.

Letters Patent No. 92,692, dated July 20, 1869.

IMPROVEMENT IN HEMMER FOR SEWING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, HENRY C. BARTLESON, of Toledo, in the county of Lucas, and State of Ohio, have invented a new and useful Improvement in Hemmers to be Attached to Sewing-Machines; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, being a part of this specification.

Figure 1 is a view in perspective of my improved hemmer when arranged for a narrow hem.

Figure 2 is a view in perspective of my improved hemmer when arranged for a wide hem.

Figures 3 and 4 are views of my improved hemmer in detached parts.

This improvement relates to that class of attachments to sewing-machines whereby the fabric to be sewed may be hemmed to any desired width, by means of my improved hemmer and graduated gauge.

The frame A, as shown in fig. 4, is formed of an irregular-shaped piece of thin or sheet-metal.

At the heel of this plate is an oblong or circular opening, *a*, to receive a screw, by means of which the frame is fastened to the cloth-plate of the sewing-machine.

At the end of this opening are two lips, *b b*, one on either side, turned upward and outward at right angles from the frame A, so as to lap over and upon the frame B, which constitutes the other section of my improved hemmer, as shown in fig. 3, to hold the same in position upon the frame A.

Upon the under side of the frame A is the toe *c*, bent at a right angle downward, to fit into an orifice in the cloth-plate of the sewing-machine, made to receive it.

To the plate A is attached, by soldering or otherwise, or it may be cut from the same piece of metal, the movable bar *d*, which fits into a race or slide, *e*, of the movable convolute *f*.

Upon this bar *d*, a scale is marked, whereby, when adjusted to the initial point *g*, the width of hem desired may be accurately measured.

The frame B, as shown in fig. 3, is also formed of an irregular-shaped piece of thin or sheet-metal. In the oblong opening *h*, through it, also passes the screw, by means of which it and the plate A are fastened to the sewing-machine.

Attached to the plate or frame B, by soldering or otherwise, or it may be cut from the same piece of metal and bent into proper shape, is the convolute *f*.

This convolute is formed by bending the ends upon the centre past each other, forming the lip *i* and the tongue *j*, in such a manner as will allow the fabric to be hemmed to be passed between them.

Upon the face of the movable convolute *f* is an oblong slot, or race, *e*, to receive the graduated bar *d*, of the frame A.

Within the movable convolute *f* is the stationary convolute *k*, formed of an irregular-shaped piece of metal, having attached to it the elastic spring-guide *l*, this spring-guide being made in connection with, or attached to the stationary convolute *k*. This stationary convolute is attached to the end of the graduated bar *d*, so as to be within the movable convolute *f*, in such a manner, that when the plate B is moved, it will enlarge or diminish the width of the opening.

To use my improved hemmer and graduated gauge, insert the toe *c* into the orifice of the cloth-plate of the machine, place the movable convolute or frame B as required for the width of the hem, tighten the screw through the openings of the frame A and B, to fasten the hemmer firmly to the machine, insert the fabric to be hemmed between the lip *i* and the tongue *j*, pass it over the tongue *j*, so that the edge to be turned will pass into the stationary convolute *k*, around the elastic spring-guide *l*, and through the convolute to the point of the needle of the sewing-machine.

What I claim, and desire to secure by Letters Patent, is—

1. The frame A, provided with the orifice *a*, lips *b b*, toe *c*, graduated bar *d*; elastic spring-guide *l*, and the stationary convolute *k*, attached to the said graduated bar *d*, when arranged and operating substantially as and for the purposes herein specified.

2. The combination of the foregoing-named parts, consisting of the frame A, with its attachments sliding within and upon the frame B and its attachments, when arranged and operating substantially in the manner described, set forth, and shown.

HENRY C. BARTLESON.

Witnesses:

C. E. BLIVEN,
JULIUS CHESEBROUGH.