

J. H. BEAN.

Hemmers.

No. 153,301.

Patented July 21, 1874.

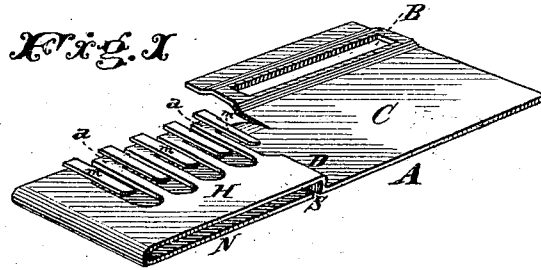


Fig. 2

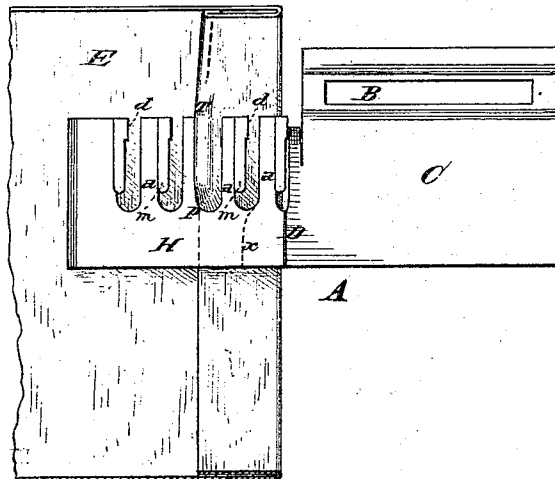
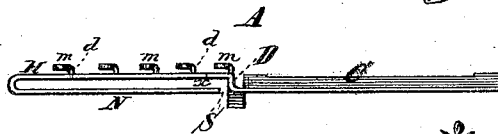


Fig. 3



Attest

D. Kennedy.

John Telfer

Inventor

Joseph H. Bean.

per William Hubbell Fisher

his attorney

UNITED STATES PATENT OFFICE.

JOSEPH H. BEAN, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-THIRD HIS
RIGHT TO WILLIAM H. FISHER, OF SAME PLACE.

IMPROVEMENT IN HEMMERS.

Specification forming part of Letters Patent No. **153,301**, dated July 21, 1874; application filed
February 23, 1874.

To all whom it may concern:

Be it known that I, JOSEPH H. BEAN, of the city of Cincinnati, State of Ohio, have invented certain new and useful Improvements in Hemmer Attachments for Sewing-Machines, of which the following is a specification:

My improvement relates to a hemmer attachment composed of a single piece of metal, and having a scroll or scrolls of a peculiar form. The hemmer is thereby capable of making various widths of hem in so perfect a manner that during the operation of hemming the cloth to be hemmed runs through it with great ease and freedom, and without tendency to run off of it and unfold before reaching the needle, as is frequently the case in ordinary plate or adjustable hemmers.

In the accompanying drawings, Figure 1 is a perspective view of the top, front edge, and left side of said hemmer attachment. Fig. 2 is a top view of same, and showing the position of the cloth while passing through the hemmer during the operation of hemming. Fig. 3 is an elevation of the front edge of the hemmer.

A is the hemmer attachment, in which B is the slot for the reception of a set-screw, whereby the hemmer is fastened to the table of the sewing-machine. C represents that portion of the metal plate of the hemmer attachment which is used for attaching the same to the table. At D the plate narrows, as shown, and is bent upward, forming an arm or neck, D. From the latter point the plate again widens at the front edge into the plate H. From the rear portion of this plate the scrolls extend, each scroll consisting, first, of a straight shank, *a*, extending from plate H rearward; secondly, of an upright arm, *d*, located at the right-hand side of the rear end of the shank *a*; thirdly, of a tongue, *m*, extending forward from the arm *d*, above the latter and parallel thereto. The plate on the left of the scrolls again widens, and is bent under the scrolls and continued back as far as the neck D, forming a continuous under plate, N.

The method of attaching the hemmer to the table may be varied at will, and does not of itself constitute any part of my invention.

To use the hemmer, place it flat upon the

table of the sewing-machine, and so that the side of it which contains the scrolls is in front of and next to the needle; place that particular scroll which will make the hem of the desired width directly in front of the needle; fasten the hemmer to the table with a set-screw passed through slot B, and screw down, (as ordinary plate-hemmers are fastened;) introduce that edge of the cloth which is to be hemmed through the opening S, and between the upper and lower portions H N of the plate; then bring the cloth up and over that particular scroll which will make the hem of the desired width; take hold of the edge of the cloth with the finger and thumb of both hands; draw the cloth back and forth a few times until it is folded under the tongue *m* of the scroll, (see Fig. 2;) let down the presser-foot on the cloth and sew down the hem. The cloth passes through the hemmer from front to rear; coming up from between H and N at P, it then comes into contact with the point of the tongue *m*, and the latter aids in folding it under for the hem. As it leaves the scroll at T, it is properly folded for hemming.

A hemmer attachment made with a single scroll, of the form herein shown and described, is preferable to any of the single hemmers now in use. Such a single-scroll hemmer is shown in Figs. 2 and 3. The dotted line, marked *x* in those figures, separates the hemmer into two portions. All to the right of said dotted line would constitute a single hemmer. In such a case the neck D might be made shorter, and the width of said neck would contribute to govern the width of the hem.

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

The hemmer herein described, consisting of the plate C H N, shanks *a*, and tongues *m*, all formed out of and consisting of a single piece of metal, as and for the purposes set forth.

J. H. BEAN.

Attest:

WM. R. FEE,
JOHN J. RIDDLE.