

Charles C. Blakemore.

Combined

Seamer & Feller.

for Sewing Machines.

No. 119,814.

Patented Oct. 10, 1871.

Fig. 1.

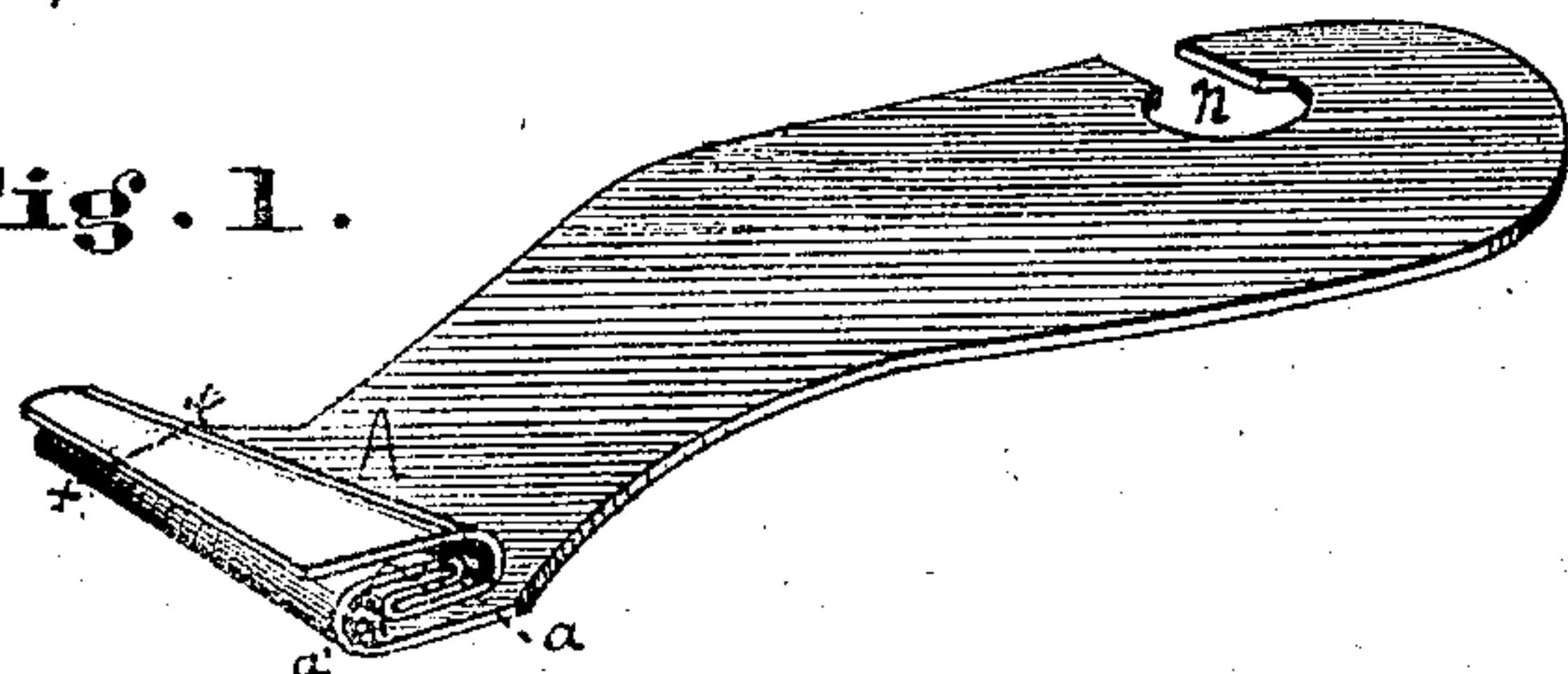


Fig. 2.

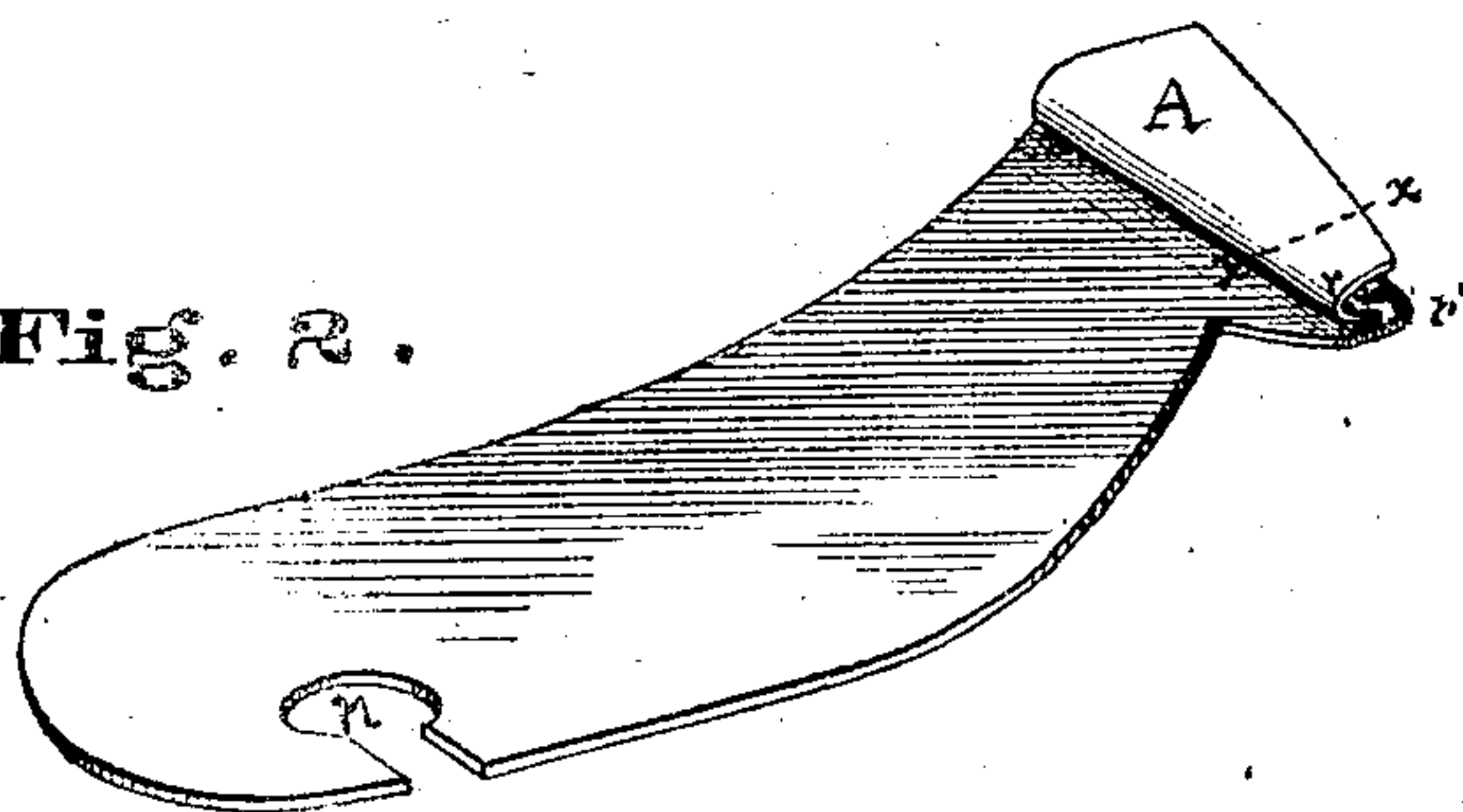
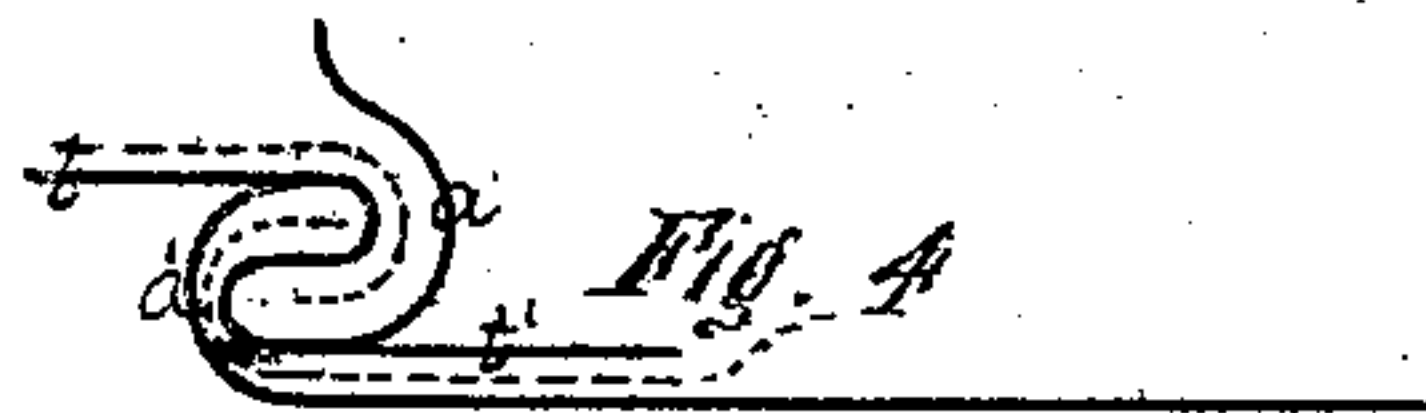
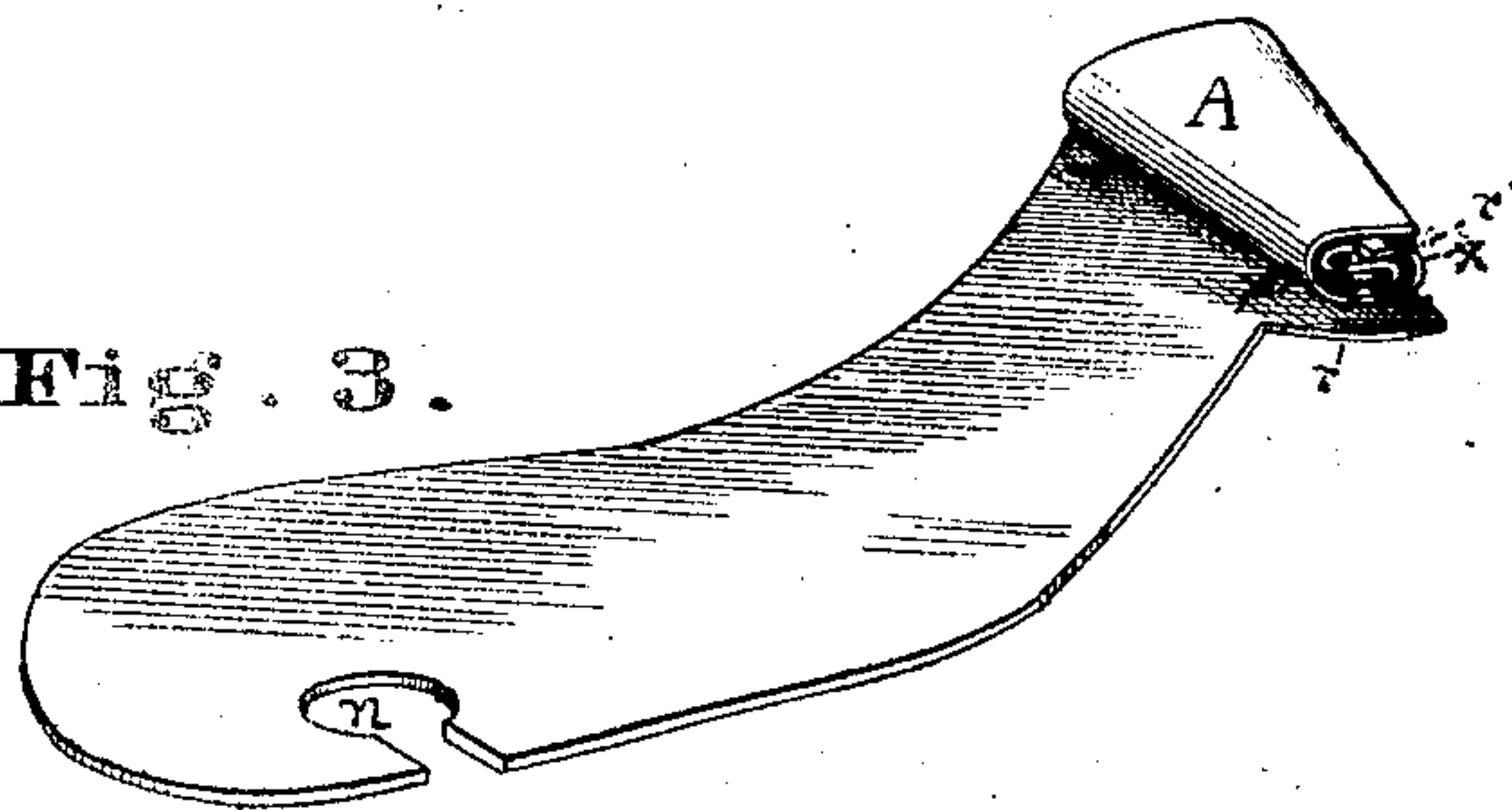


Fig. 3.



Attest

E. M. Hoemmer
Herman Hoemmer

Inventor.

Charles C. Blakemore
By E. C. Wood
His Atty in fact

UNITED STATES PATENT OFFICE.

CHARLES C. BLAKEMORE, OF ZANESVILLE, OHIO.

IMPROVEMENT IN FELLING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 119,814, dated October 10, 1871; antedated September 25, 1871.

To all whom it may concern:

Be it known that I, CHARLES C. BLAKEMORE, of Zanesville, in the county of Muskingum and State of Ohio, have invented certain Improvements in Sewing-Machine Attachments, of which the following is a specification:

This invention relates to a device for seaming and felling cloth, and may be attached to any ordinary sewing-machine; and consists in providing a plate of metal forming by its convolutions a double folder, enabling two pieces of cloth or material to be seamed and felled at the same time and by the same operation, the edges being folded and united, forming a double-lock seam, which will be fully understood by reference to the accompanying drawing, of which the following is a description.

Figure 1 is a perspective view, showing the feeding end of the hemmer and feller. Fig. 2 is another perspective view, showing the opposite end of that shown in Fig. 1. Fig. 3 is another perspective view with the end cut off at the line $x x$. Fig. 4 is a section view of the front end, with dotted lines representing the cloth. Fig. 5 is a section of the rear end, with the cloth folded in front of the needle.

In Figs. 1, 2, 3 the guards t are omitted to show the position of the plates forming the device.

A is the seamer and feller, made of one piece of metal convoluted in shape and somewhat resembling the frustum of an oblate cone. The feeding or larger end is formed by the convolutions of the metal making the double folders $a a'$ interlocking, as shown in Figs. 1 and 4. A portion of the plate marked c and lying between the folders $a a'$ is cut away, as shown in Fig. 3, to

allow the folded edges of the overlap to come in contact within the feller, and the material so folded leaves the feller as shown in Fig. 5. The two lips at the egress or rear end of the feller, and just in front of the needle, are formed by converging the folders $a a'$, as shown. The plate C being cut away allows the parts $a a'$ to be brought nearly together, or close enough to determine the width of seam. $i i'$ show the relative shape of the folders on the line $x x$. $r r'$ show the folders at the exit end of the instrument. $t t'$ are guards attached to the upper and lower folders $a a'$ to assist in gathering and folding the seam.

The convolution of the folders $a a'$ where the cloth enters is sufficient to allow the cloth to be easily gathered and folded as it passes through the convolutions converging from $a a'$ to $r r'$, the exit end, where it is passed under the needle, as shown in Fig. 5. The feed of the machine draws the folded edges of the cloth snugly across the inner edges of the plates $r r'$, and prevents the cloth from wrinkling or gathering, and it is consequently passed through the instrument and across the path of the needle snugly and evenly folded, dispensing with the elasticity of the folding blades usually employed.

Having described my improvement, what I claim in my invention is—

As an article of manufacture, the seamer and feller herein described, consisting of the scroll A made of a single piece of metal, all as set forth.

CHARLES C. BLAKEMORE.

Witnesses:

W. M. HERRIOTT,
F. A. SEBORN.

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