(No Model.)

E. O. JAQUITH.

CHANNEL OPENER FOR SOLE SEWING MACHINES.

No. 292,016. Patented Jan. 15, 1884.

Fig. 1.

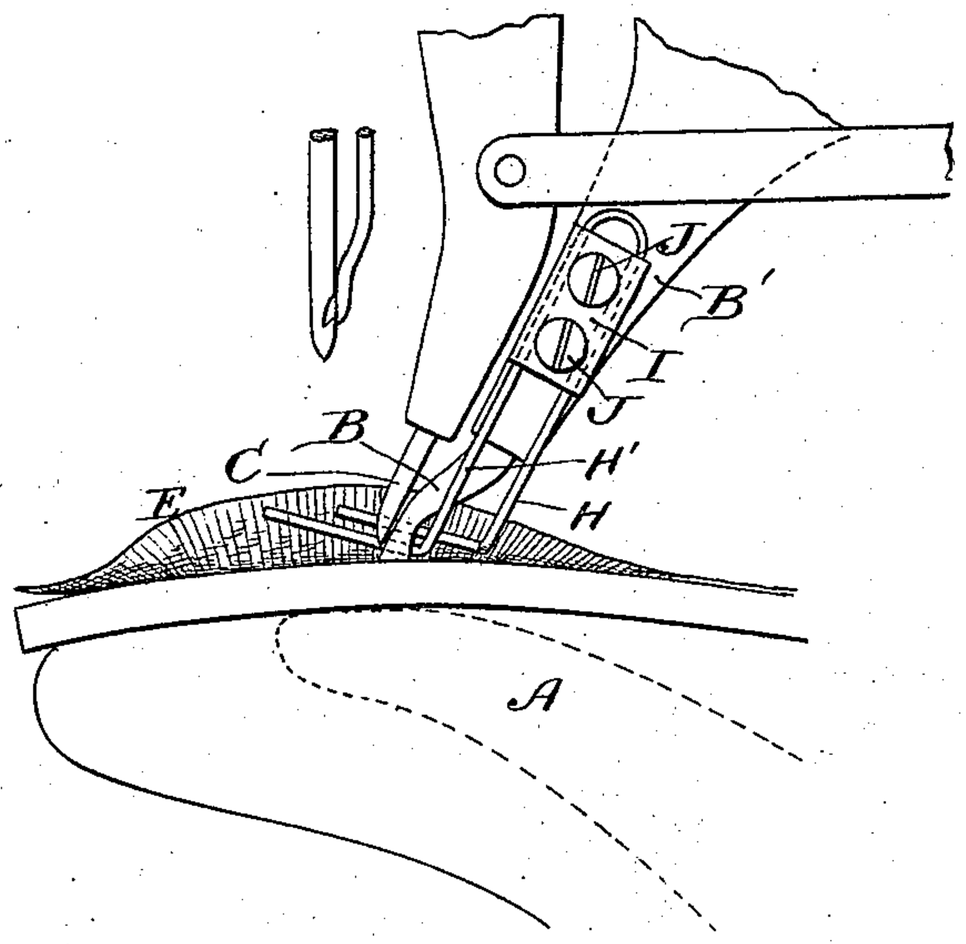
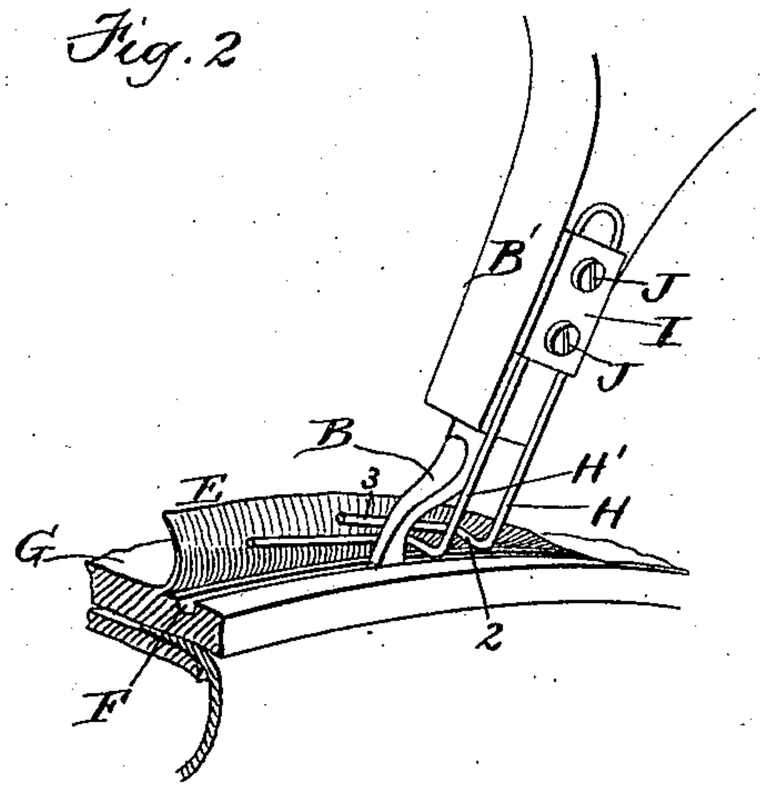


Fig. 2



Witnesses:
Leno Simpson
A. L. White.

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UNITED STATES PATENT OFFICE.

EBEN OTIS JAQUITH, OF WEYMOUTH, MASSACHUSETTS.

CHANNEL-OPENER FOR SOLE-SEWING MACHINES.

SPECIFICATION forming part of Letters Patent No. 292,016, dated January 15, 1884.

Application filed February 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, EBEN OTIS JAQUITH, of Weymouth, in the county of Norfolk and State of Massachusetts, have invented certain Improvements in Channel-Openers for Sole-Sewing Machines, of which the following is a specification.

This invention has for its object to provide an improved device for attachment to a McKay or other boot and shoe sole sewing machine, for the purpose of raising the flap that covers the channel in the outer surface of the outer sole, and holding said flap in a displaced condition at the point where the needle passes through the sole, thus opening the channel at that point and enabling the stitches to be properly laid therein.

The invention consists in the improved device which I will now proceed to describe and claim.

In the accompanying drawings, forming a part of this specification, Figure 1 represents a side elevation of the presser-foot, feed-point, and horn of a McKay sewing-machine, the former being provided with my improvement. Fig. 2 represents a perspective view of the presser-foot with my improvement.

The same letters of reference indicate the same parts in all the figures.

In the drawings, A represents the horn, B the presser-foot, and C the feed-point, of a McKay sewing-machine, said parts being constructed in the usual manner and forming no part of my invention.

In carrying out my invention I apply to the presser-foot arm or socket B′ a channel-opening device adapted to raise the flap E, that covers the channel F in the outer sole, G. Said device is composed of a single elastic steel wire bent to form a channel-opening device, preferably such as is shown—viz., two arms, H H′—and clamped against the outer side of the socket B′ (*i. e.*, the side nearest the operator) by a screw, J, which may bear on a suitable plate or washer, I. Said screw, when loosened, enables the bent wire to be adjusted either by turning it up or down on said screw as on a pivot, or by an endwise movement, and when tightened holds said wire in any position to which it may be adjusted. The arm H is located in advance of the arm H′, and is formed with a lateral offset, 2, and a rearwardly-extending portion, 3, which projects back of the presser-foot and on the inner side thereof, as shown. The arm H′ is similarly formed and projects back farther than the arm H.

In the operation of the machine the forward arm, H, inserts itself under and raises the flap, so as to completely expose the channel to the needle, and the rear arm holds the flap in a raised position beside the point where the needle passes through the sole.

The plate or washer I simply serves as an enlargement of the head of the screw in clamping the bent wire against the side of the presser-foot.

A channel-opener heretofore known consisted of a spring-plate attached at the bottom of a projection from the presser-foot, the end being broadened where it entered the channel. My device is attached at the side of the presser-foot, where it can be readily adjusted. The peculiar form is such that the bent portion opens the channel without the necessity of enlarging or broadening the wire.

I am aware that a sole-sewing machine has been before provided with a channel-opening attachment, and I do not therefore claim, broadly, an automatic channel-opener located in advance of the presser-foot and needle, and adapted to raise the channel-covering flap and hold it raised to expose the channel to the action of said parts; but

What I do claim is—

The combination, with the presser-foot of a sewing-machine, of a channel-opener attached to the side of said presser by means substantially as described, said channel-opener consisting of a spring-wire having an offset at 2, and extending backward from a point a little distance from the offset, substantially as shown.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 29th day of January, 1883.

EBEN OTIS JAQUITH.

Witnesses:
C. F. BROWN,
A. L. WHITE.