

H. E. BODWELL, Jr.

Sewing Machine Guide for Stitching Hat Tips to the Side Linings.

No. 54,844.

Patented May 22, 1866.

Fig. 2.

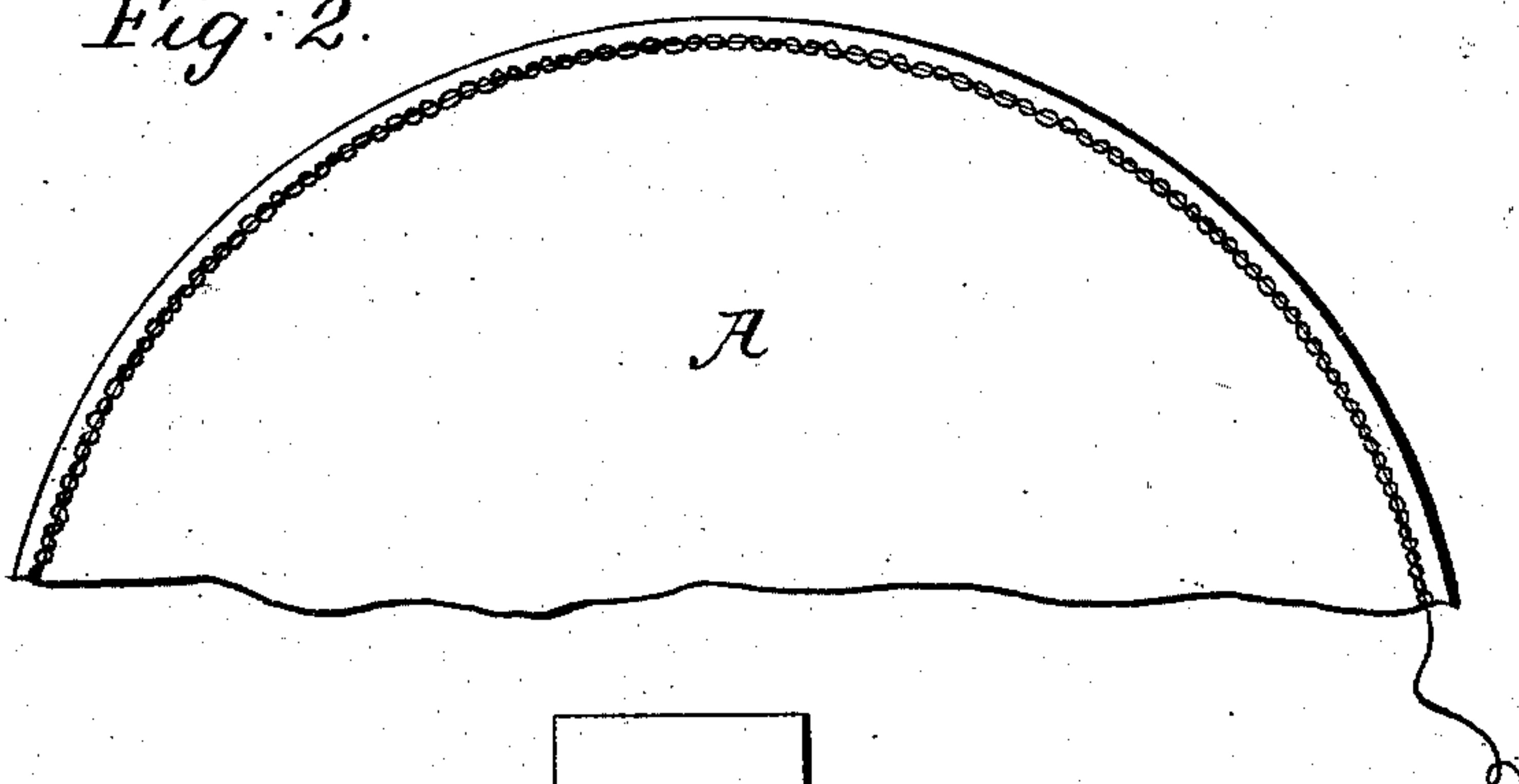
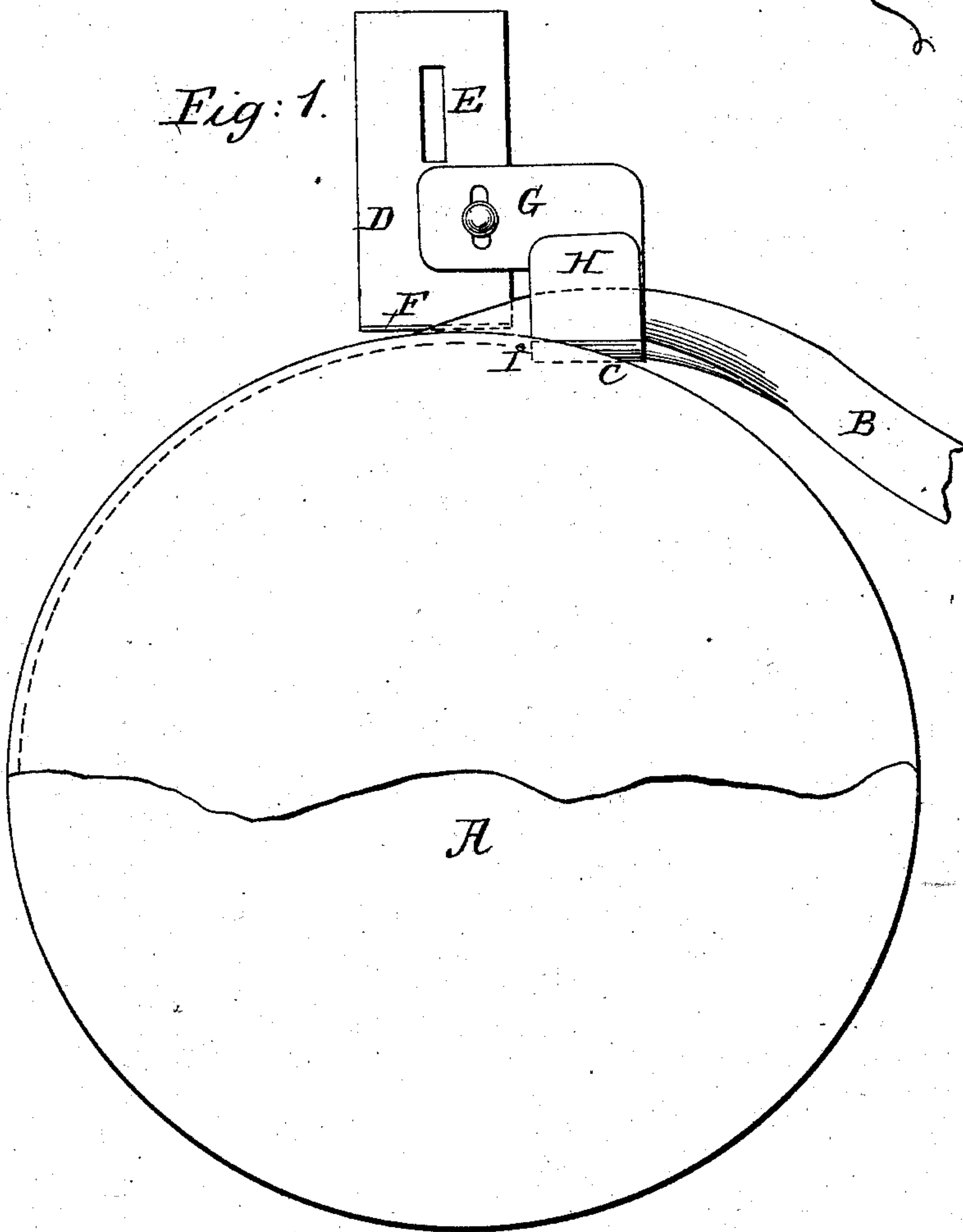


Fig. 1.



Witnesses.

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H. E. BODWELL, JR., OF PATERSON, NEW JERSEY.

IMPROVEMENT IN SEWING-MACHINE GUIDES FOR STITCHING HAT-TIPS TO THE SIDE LININGS.

Specification forming part of Letters Patent No. 54,844, dated May 22, 1866.

To all whom it may concern:

Be it known that I, H. E. BODWELL, Jr., of Paterson, in the county of Passaic and State of New Jersey, have invented a new and useful Improvement in Hat-Tip Gages; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

The drawings, consisting of two figures, represent a gage made according to my invention, and also a tip after it has been attached to the lining.

The object of this invention is to facilitate the work of making and preparing hat-tips and side linings. The hat-tip in this example is designated by the letter A, being shown covered by a shield of thin paper of the same size, so as to protect it from being soiled. After the work is completed this paper is torn off without disturbing the looks of the stitch.

B designates the side lining of a hat, which is to be attached to the tip in such a way as to show a hem over the edge of the tip. The work is wrought by my improvement with the tip inverted—that is to say, the surface which is to be exposed to view when it is secured in its place in a hat is down and concealed from view while the work is being done. The hem of the lining, therefore, is to be brought beneath the edge of the tip, in order that when the tip is taken up and turned over to view the hem of the lining may appear on its exposed surface. In order to accomplish this result and embroider or stitch the hem and attach it to the tip by one and the same operation, I employ a hemmer, C, and a gage, D, made and arranged substantially as shown in the drawings.

The gage D is a plate of metal provided with a slot, E, and a set-screw, so that it can be adjustably fixed to the cloth bed of a sewing-machine in the ordinary way. That end thereof which is presented toward the place of the needle and feeding devices of any sewing-machine to which it may be attached is provided with a raised edge, F, which constitutes a guide for the edge of the tip to come against

as it moves along past the needle under the operation of such feeding devices.

The hemmer C is parallel with the guide F, but is advanced a little way, so as to be in line with the needle of the machine. The hemmer is also situated in advance of the needle, its shank being parallel with the gage-plate D, to which it is connected by a set-screw going through a slot in the part G of the shank of the hemmer, which part is at right angles both with the gage-plate and the shank of the hemmer, being made of the form of a right angle, as shown in the drawings. By means of this provision of a slot and set-screw to connect it to the gage the hemmer C can be set farther beyond the line of the guide F.

The lining B extends from the place where it is attached to the tip beneath the lip H of the hemmer, under which it passes to the hemmer, where it is turned over or doubled on its edge in the ordinary way. As the tip is fed onward toward the guide F the hem of the lining is laid beneath it, and is tacked to it by the needle at the point I. The continued advance of the tip brings its edge constantly against the guide F and draws the lining with it, the hem of the lining being tacked to the tip at I as fast as the lining leaves the hemmer.

This device can be used in connection with any sewing-machine to whose table the gage-plate D can be secured; but, because of the ornamental character of its stitch, I prefer to use it on the Grover & Baker machine, or on any other machine which makes a double-chain or other ornamental chain stitch.

When the tip has been tacked to the lining all around its edge it is turned over and the lining is turned up at right angles with and above the tip, when they are ready to be inserted in a hat in the usual manner.

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

The combination of the hemmer C and gage-plate and guide D F, constructed and arranged substantially as above set forth, for the purpose of stitching, and also of connecting a side lining to a hat-tip at the same operation.

Witnesses: H. E. BODWELL, JR.

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