

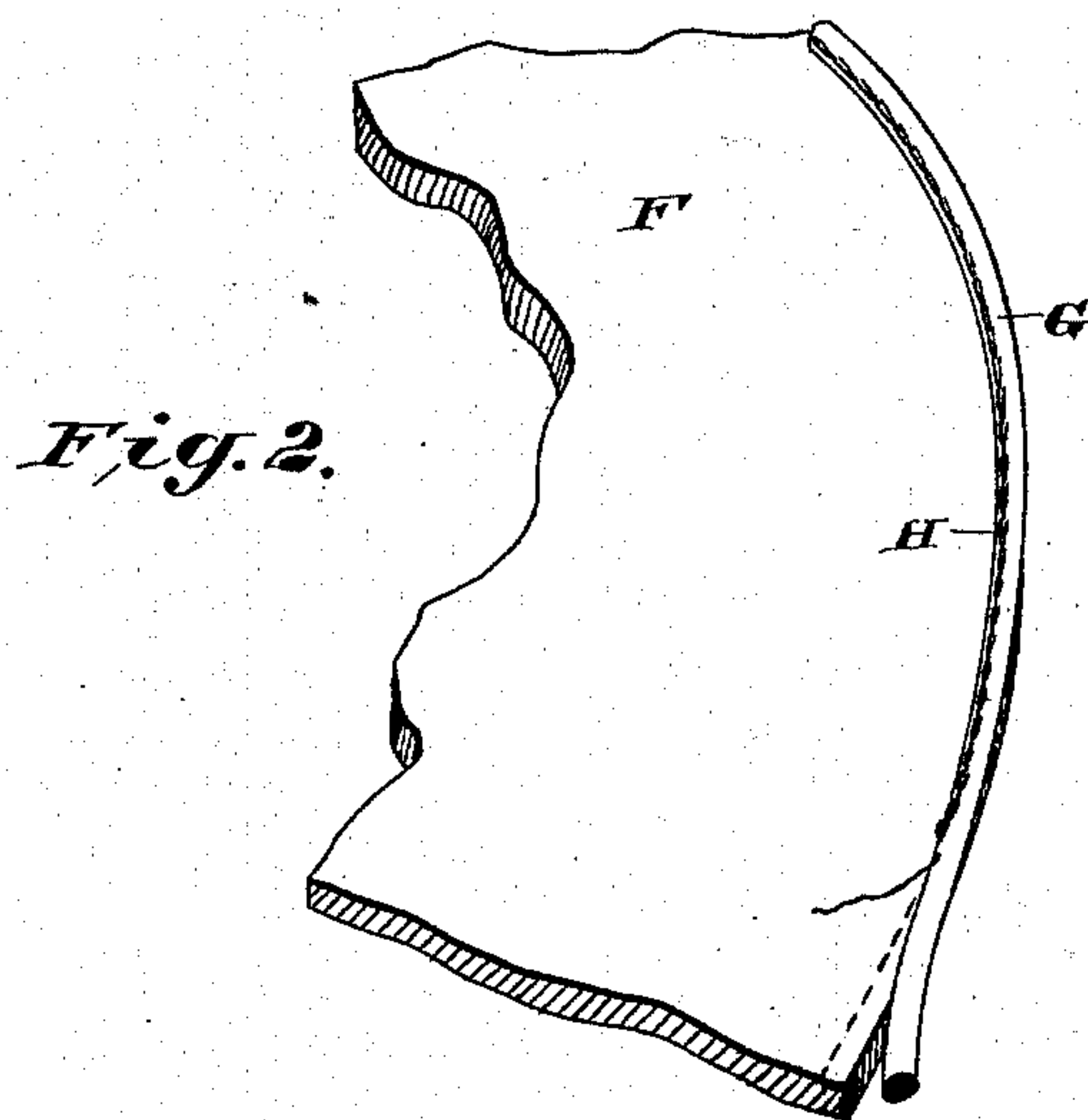
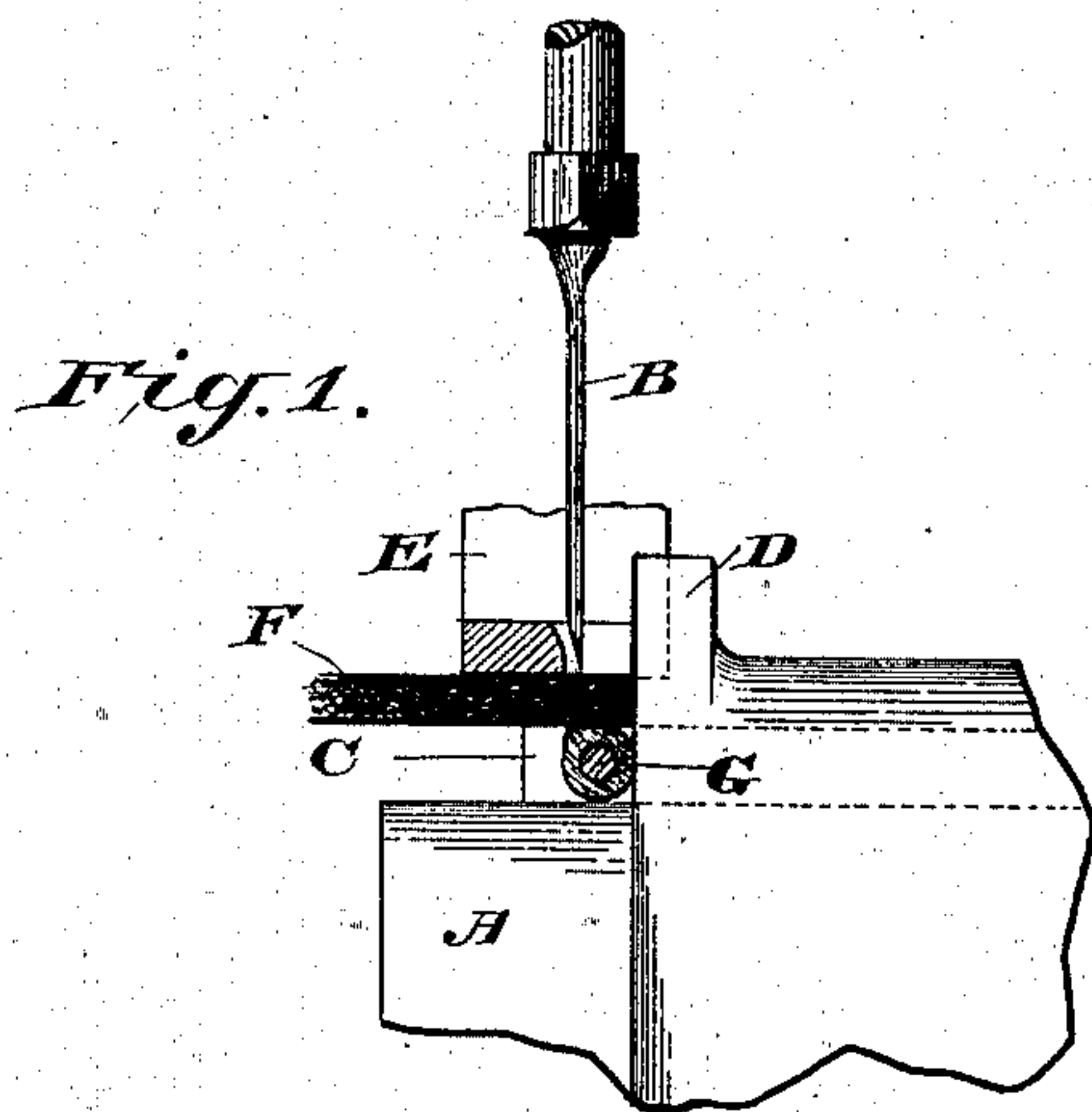
(No Model.)

M. H. RYDER.

WIRING BRIMS OF HATS AND BONNETS.

No. 288,596.

Patented Nov. 13, 1883.



Attest:  
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by A. Pollok  
his attorney,



# UNITED STATES PATENT OFFICE.

MARTIN H. RYDER, OF STAMFORD, CONNECTICUT, ASSIGNOR TO THE WILLCOX & GIBBS SEWING MACHINE COMPANY OF NEW YORK.

## WIRING BRIMS OF HATS AND BONNETS.

SPECIFICATION forming part of Letters Patent No. 288,596, dated November 13, 1883.

Application filed July 31, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, MARTIN H. RYDER, of Stamford in the county of Fairfield and State of Connecticut, have invented a new and useful Improvement in Wiring Brims of Hats and Bonnets, which improvement is fully set forth in the following specification.

This invention has reference to the wiring of brims of hats and bonnets—as, for example, women's felt hats or bonnets—by attaching at or near the edge of the brim a covered wire or its equivalent by means of a sewing-machine of ordinary or suitable construction, making a straight-ahead seam. The stitches pass through the covering, which is usually a seamless braided or woven tube inclosing the wire, and through the brim.

Heretofore in attaching the wire the seam has been run on the outside of the wire, or on the same side as the edge of the brim.

The present invention consists in running the seam on the inside or side opposite from the edge of the brim. By this improvement the wire may be attached nearer than heretofore to the edge, and may, in fact, when ironed down, project over or lie on the edge, while at the same time the stitches have a good hold upon the material composing the brim, and, moreover, the seam is concealed behind the wire. A hat or bonnet having the seam wired in this way constitutes a new article of manufacture, and is specially claimed.

To carry the invention into effect, the grooved guide for the covered wire and the edge-guide for the hat-brim are placed on the same side of the needle, instead of on opposite sides, as heretofore. Such an arrangement is shown in Figure 1 of the accompanying drawings, Fig. 2 illustrating a portion of a hat or bonnet brim wired in accordance with the invention.

A is the work-plate of the machine; B, the needle; C, a grooved wire guide placed with its axis on the goose-neck or right-hand side of the needle; D, an adjustable edge-guide on the same side of the needle; E, the presser-foot; F, the brim of the hat or bonnet; G, the covered wire, and H the seam.

The machine shown is of the Willcox & Gibbs chain-stitch type, and embodies improvements described in Letters Patent No. 230,212, granted July 20, 1880, to Chas. H. Willcox. The only novelty is in the construction of the needle, so that the point is in line

with that side of the needle which is adjacent to the goose-neck, and which in the Willcox & Gibbs machine is provided with the short groove instead of being in line with the opposite side, which is provided with the long groove, and that the grooved wire guide C is on the same side of the needle. The covered wire is placed in the grooved guide, the brim of the hat or bonnet placed over it, with its edge in contact with the guide D, which is set or adjusted to leave the desired margin outside the seam. The machine being operated in the usual way, a seam of straight-ahead sewing-machine stitches is run parallel with and close alongside the wire, through the covering thereof and the material composing the brim. The hat or bonnet is afterward finished in any ordinary or suitable way.

It is preferred to use a machine embodying the patented improvements referred to; but it is evident that other systems of guides arranged in the manner indicated could be used with or without a needle having its point in line with one of its sides.

The improved mode of wiring brims, herein described, differs essentially from the attachment of a cord thereto by means of a braid or tape folded longitudinally around the cord, with its edges laid on opposite sides of the brim and stitched thereto, since no attaching braid or tape is used, the stitches passing through the covering, which closely and uniformly surrounds the wire.

I claim—

1. The improvement in wiring the brims of hats and bonnets by attaching covered wire to the brim, with a seam of straight-ahead sewing-machine stitches on the inside of the wire, through the brim and the covering of said wire, substantially in the manner and by the means described.

2. A hat or bonnet having the brim wired with covered wire attached thereto by a seam of straight-ahead sewing-machine stitches on the inside of the wire, or side opposite from the edge of the brim, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

MARTIN H. RYDER.

Witnesses:

E. W. RIKER,  
CHAS. H. WILLCOX.