

(Model.)

J. E. REYNOLDS.

GUIDE FOR STRAW BRAID SEWING MACHINES.

No. 432,283.

Patented July 15, 1890.

Fig. 1.

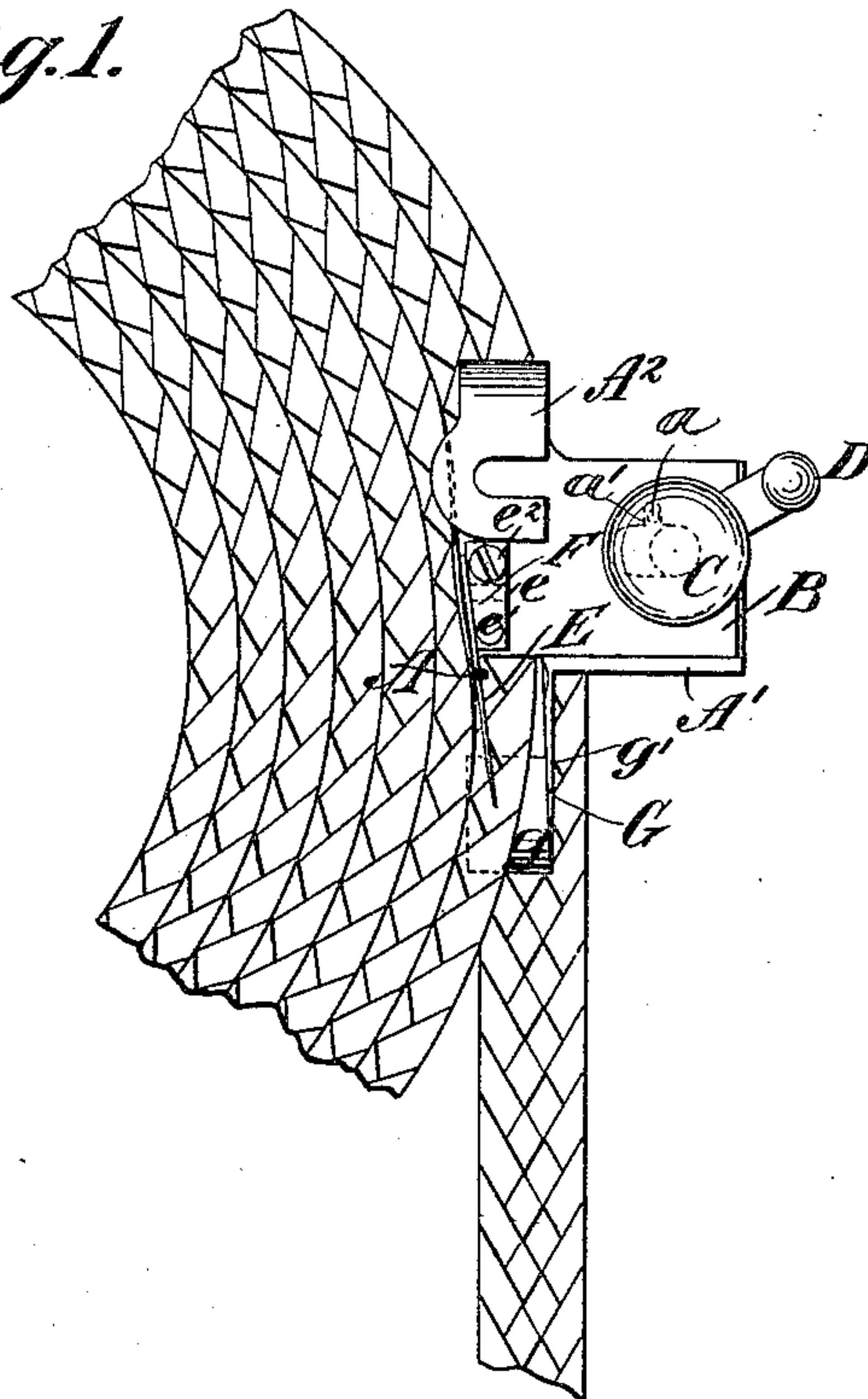


Fig. 2.

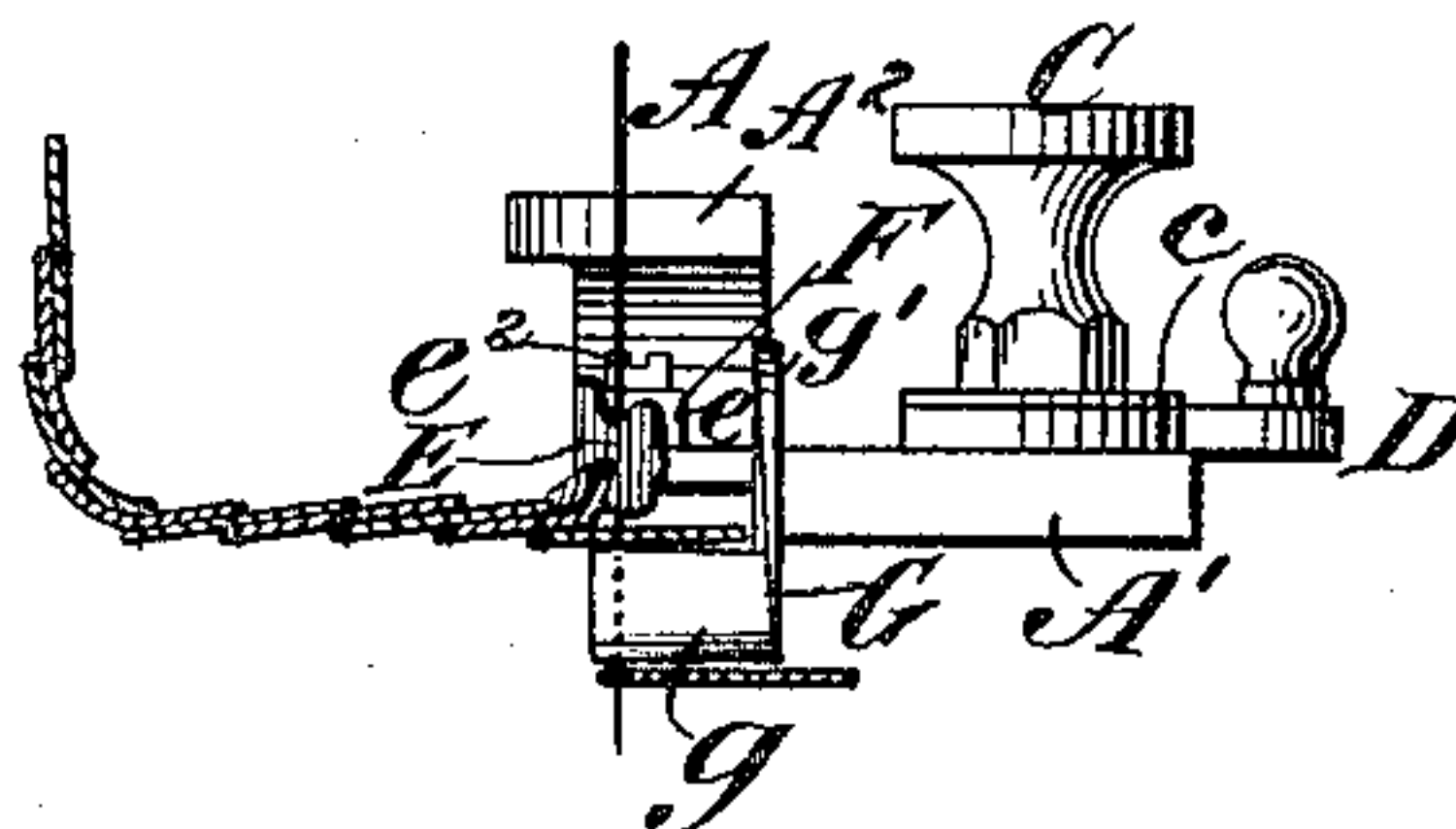


Fig. 3.

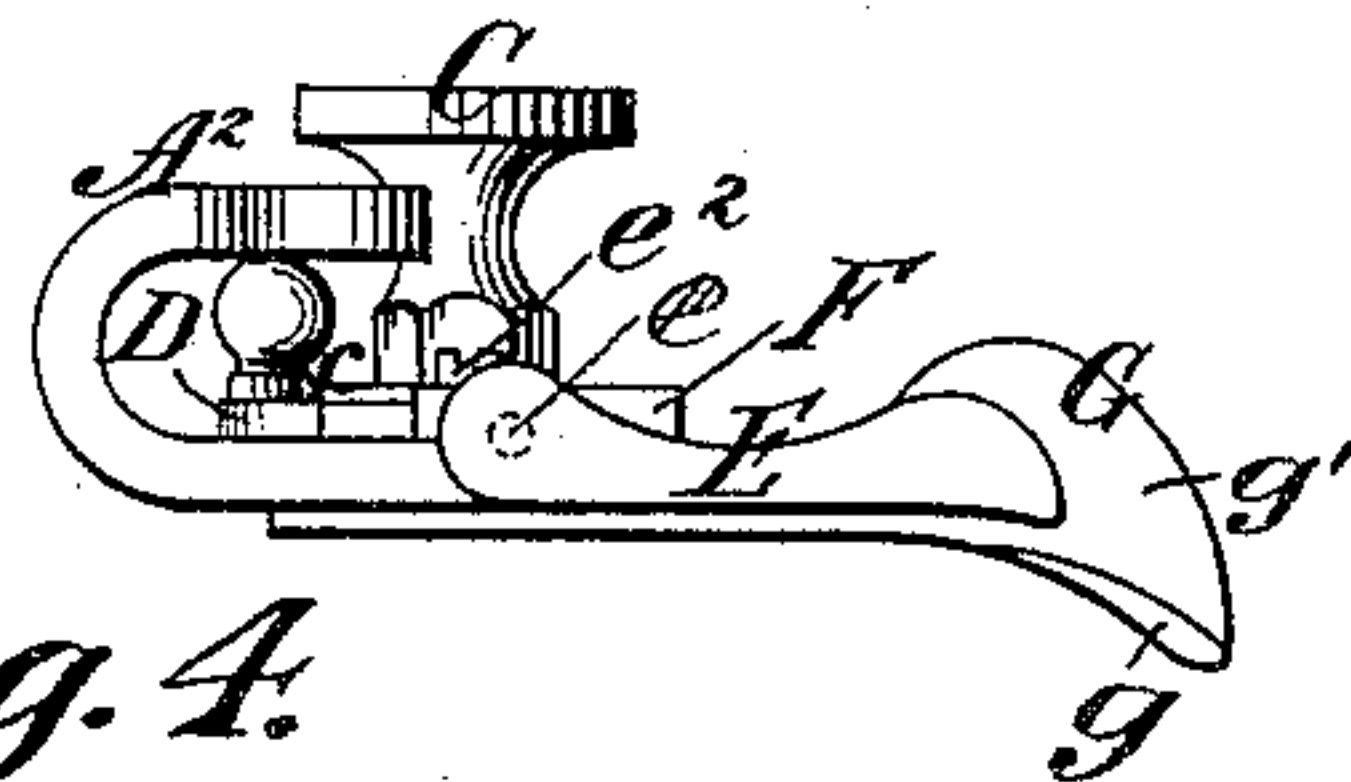


Fig. 4.



Witnesses:-
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JOHN E. REYNOLDS, OF MIDDLETOWN, NEW YORK.

GUIDE FOR STRAW-BRAID-SEWING MACHINES.

SPECIFICATION forming part of Letters Patent No. 432,283, dated July 15, 1890.

Application filed October 17, 1889. Serial No. 327,334. (Model.)

To all whom it may concern:

Be it known that I, JOHN E. REYNOLDS, of Middletown, in the county of Orange and State of New York, have invented a certain
5 new and useful Improvement in Guides for Straw-Braid-Sewing Machines, of which the following is a specification.

My improvement relates to means for sewing straw braid, and particularly means for
10 sewing hats, the object of the improvement being chiefly to conceal the stitching from the outer surface of the hat. This is accomplished by turning up the edge of the last course but one of the braid being sewed and
15 sewing beneath such turned-up edge.

I will describe in detail my improvement, and then point out the novel features in the claim.

In the accompanying drawings, Figure 1 is
20 a plan or top view of mechanism for carrying out my improvement and showing a portion of a hat-brim. Fig. 2 is a front view of the same. Fig. 3 is a detail view of the guide which I employ. Fig. 4 is a section, on an enlarged scale, showing a portion of the hat
25 sewed in accordance with my improvement.

Similar letters of reference designate corresponding parts in all the figures.

I have only shown those portions of the
30 sewing-machine which are essential to an understanding of my improvement—namely, a needle A, which may be driven in the ordinary or any suitable manner. Upon a presser-foot B is mounted a plate A', which
35 plate is adapted to be slid to and fro upon the presser-foot. The presser-foot B bears an upwardly-extending and bent-over portion A², which portion is secured to the presser-bar of the machine (not shown) in any suitable manner. The plate A' is made adjustable upon the presser-foot B by means of a
40 crank D, which crank bears a pin a. (Shown more clearly in dotted outline in Fig. 1.) The pin a extends into a notch a', formed in the
45 presser-foot B.

A hand-screw C extends through a suitable opening in the presser-foot B and engages a screw-threaded hole in the plate A'. When the crank D is rotated, a longitudinal move-
50 ment is imparted to the plate A'. Between

the crank D and the upper portion of the hand-screw C is a spring-washer c, which washer operates when the hand-screw is rotated to offer frictional resistance to the movement of the hand-screw in the reverse direc-
55 tion.

To the presser-foot B is pivotally connected a guide E. The guide E has upon it a pin e, which extends beneath a clamping-piece F, which clamping-piece is secured to the presser-
60 foot B near one end, as shown, by means of a rivet e'.

e² designates a clamping-screw engaging a tapped hole near the other end of the clamping-piece e, and also a tapped hole in the presser-foot B. By loosening the clamping-screw
65 e² the guide E may be elevated or lowered near its forward end and then again by tightening the clamping-screw the guide may be secured in any position to which it may be
70 adjusted. This adjustment is required for braids of different thicknesses.

Upon the plate A' is a guide G, which guide has extending transversely from it near its forward end a projection g. The projection
75 g extends, when the device is in use, beneath the last course of the braid.

The guide G has a vertically-extending portion g', which, when the hat is being sewed, will regulate the distance between the courses
80 of braid. By adjusting the plate A' upon the presser-foot the guide G is moved nearer to or farther from the guide E, thereby providing for the different widths of braid.

The guide E is so constructed that the last
85 course but one of the braid when the hat is being sewed will be turned up by said guide at its outer edge, the result being that the needle A will sew inward of and beneath the outer edge of said course and through the
90 next adjacent course. When the sewing has been completed, each course will lap so far over its next outwardly-adjacent course that all the stitching will be concealed.

What I claim as my invention, and desire
95 to secure by Letters Patent, is—

In a machine-guide for a straw-braid-sewing machine, the combination, with a presser-foot, of a longitudinally-movable plate on
100 said presser-foot, a guide on said plate, hav-

ing a portion adapted to extend beneath the
outer course of the braid, and an adjustable
guide pivoted on said presser-foot and adapt-
ed to turn up the edge of the next adjacent
5 inward course, so that the stitching may be
made beneath said inward course, and a se-
curing device for securing the last-named

guide in any position into which it may be
adjusted, substantially as specified.

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Witnesses:

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