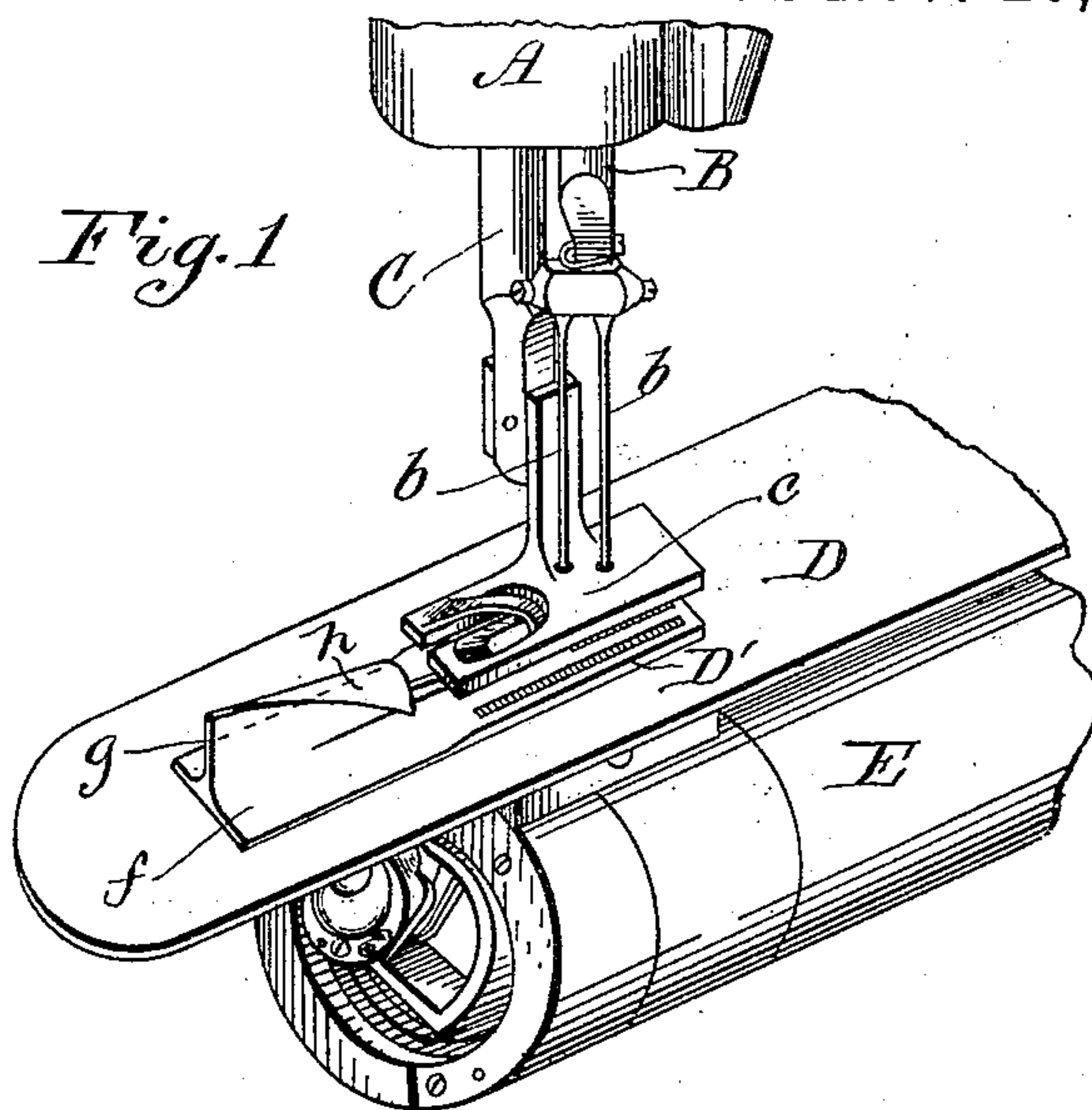


(No Model.)

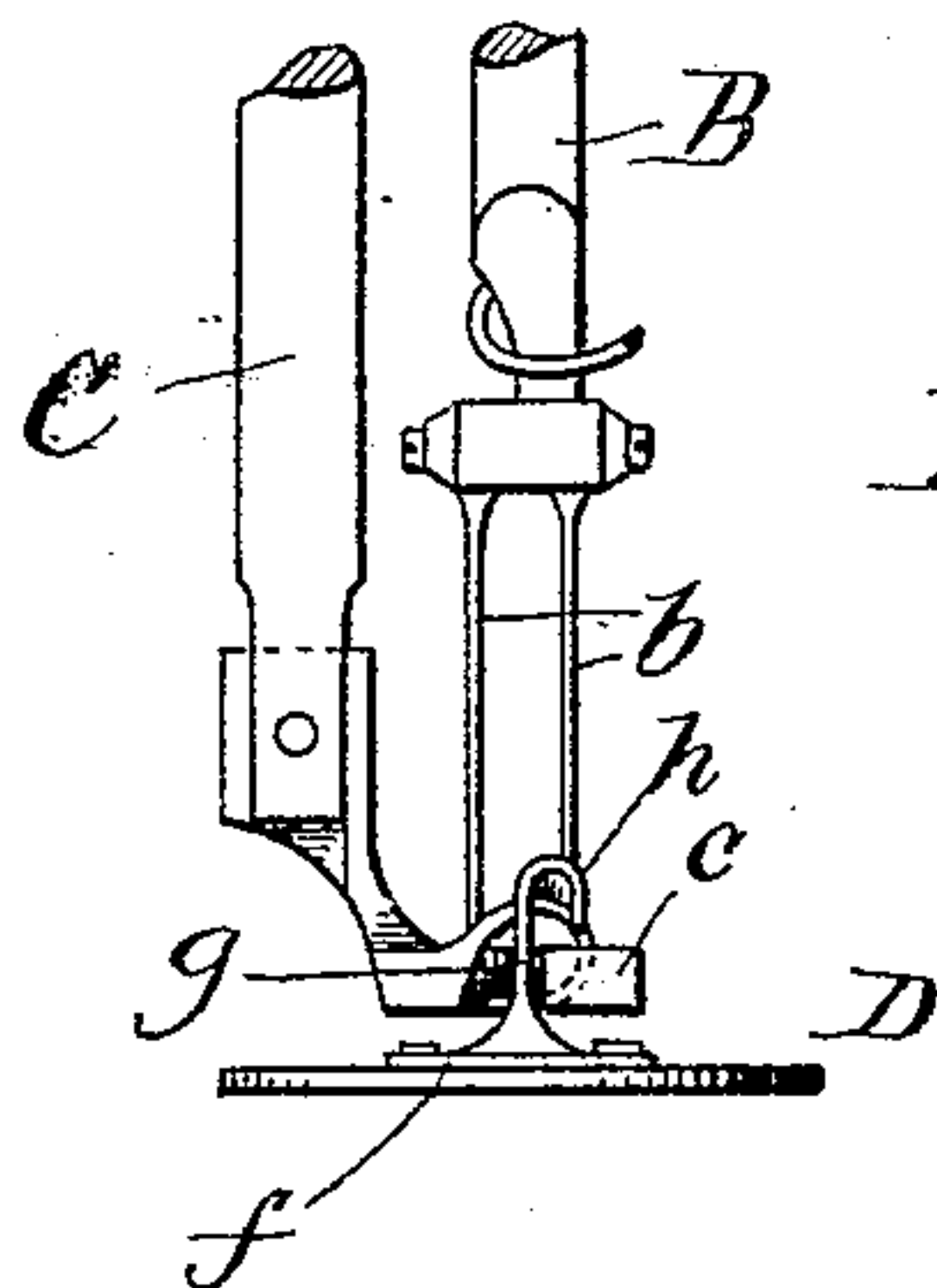
P. SCHOEN.  
GUIDE FOR SEWING MACHINES.

No. 529,417.

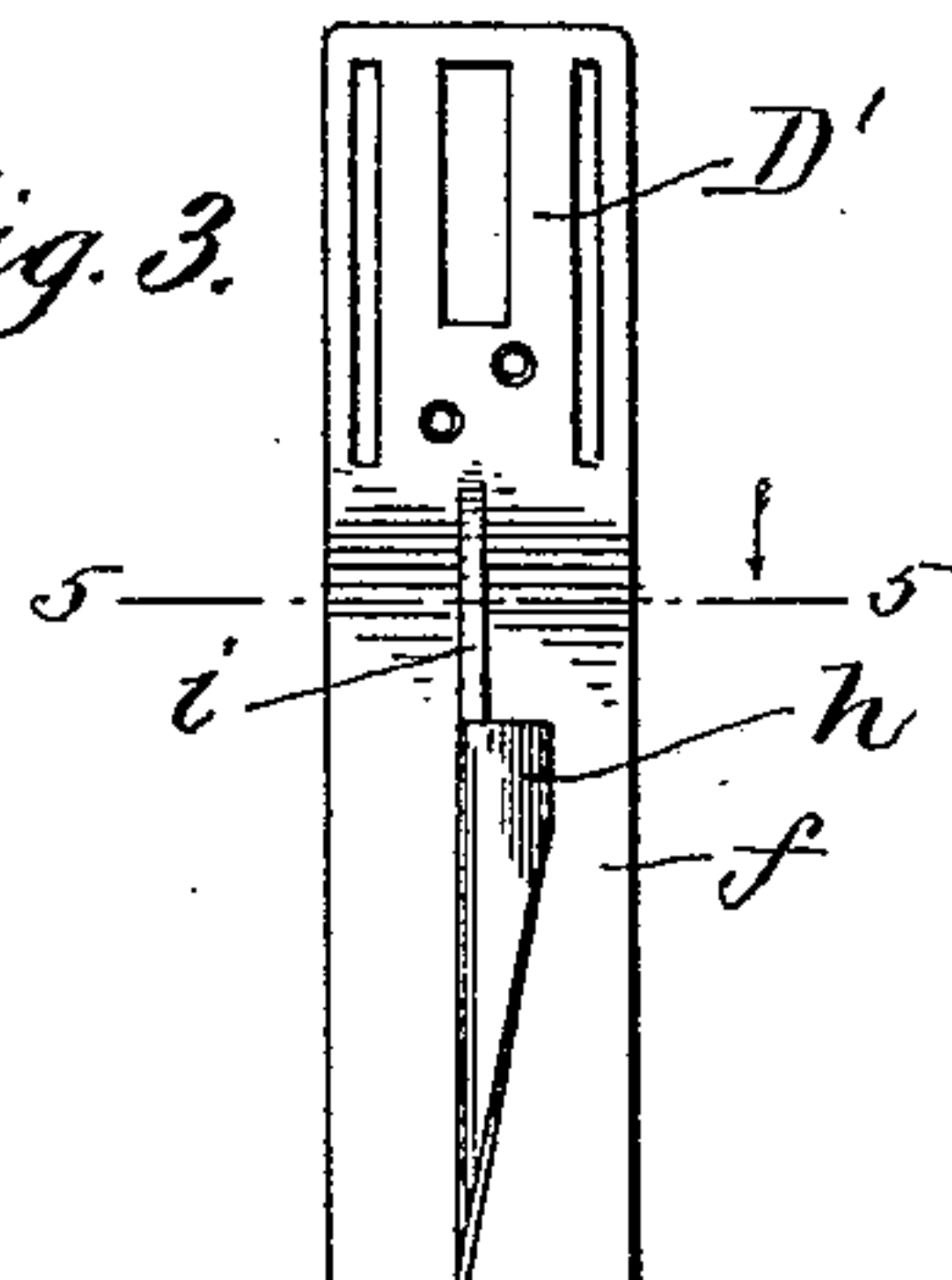
Patented Nov. 20, 1894.



*Fig. 2.*



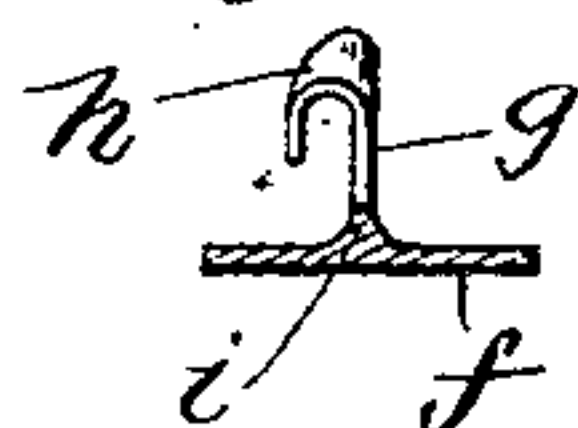
*Fig. 3.*



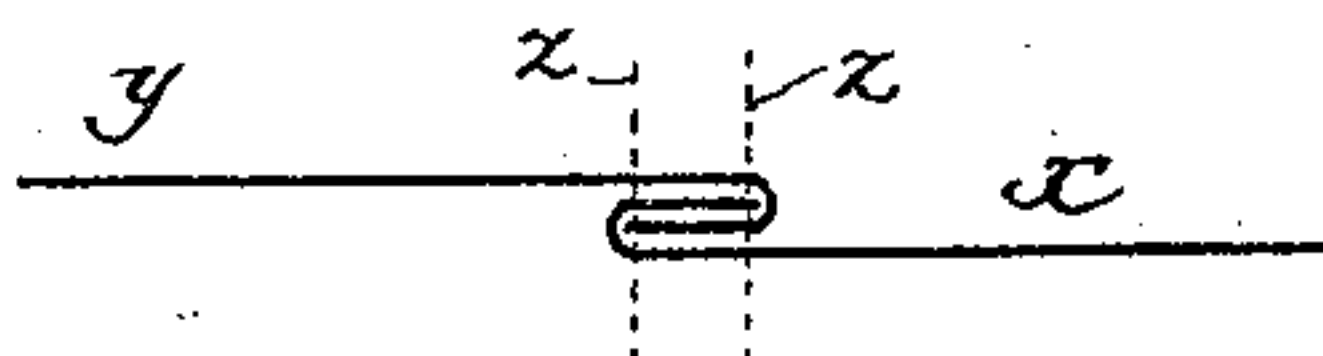
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



Witnesses:

C. M. Sweeney  
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Inventor:

Paul Schoen  
by Henry Calver  
Attorney



# UNITED STATES PATENT OFFICE.

PAUL SCHOEN, OF GLENS FALLS, NEW YORK, ASSIGNOR TO THE SINGER MANUFACTURING COMPANY OF NEW JERSEY.

## GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 529,417, dated November 20, 1894.

Application filed March 16, 1894. Serial No. 503,910. (No model.)

*To all whom it may concern:*

Be it known that I, PAUL SCHOEN, a citizen of the United States, residing at Glens Falls, in the county of Warren and State of New York, have invented certain new and useful Improvements in Guides for Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

10 In joining the edges of two pieces of fabric, (as in sewing up the sides of a shirt) by a lap-seam known as a "flat fell" secured by two rows of stitches, it has heretofore been customary to use a presser-foot scroll hemmer of 15 ordinary construction made large enough to take in the two pieces of folded fabric. The scroll hemmer has been employed for this purpose instead of an ordinary lap-seam guide for the reason that when the part of the seam 20 where a gusset was to be inserted was reached the lap-seam guide would be in the way, while the work about the gusset can be properly manipulated with the hemmer; but in the use of the scroll hemmer in making this lap- 25 seam there has been more or less difficulty in properly guiding the edges of the two pieces of fabric so that there would be just the right amount of fullness to make the edges lap properly, the edges having a tendency to run 30 out laterally so that sometimes, unless great care was exercised by the operator, imperfect seams would be formed.

My invention has for its object to obviate the difficulty referred to by providing a guide, 35 of novel construction, by the use of which, in connection with a presser-foot scroll hemmer, perfect lap-seams can be readily and easily made, even when the sewing machine is run at a high rate of speed, without requiring 40 special skill or care on the part of the operator. To this end I have constructed a guide comprising a vertical flange or rib the forward or inner part of which is turned over in the form of a scroll, said rib or flange being ar- 45 ranged in line about midway between the two needles of the machine and in front of the presser-foot scroll hemmer.

In the accompanying drawings Figure 1 is a perspective view of a portion of a Singer 50 two-needle machine with my invention applied thereto, and Fig. 2 is a detail front end

view of a part thereof. Figs. 3 and 4 are detail plan and side views, respectively, of the guide and the throat plate, and Fig. 5 is a cross section on line 5—5, Fig. 3. Fig. 6 is a 55 diagram illustrative of the work to be performed by the use of my invention.

A denotes the head at the forward end of the bracket arm of the sewing machine.

B is the needle-bar carrying two needles *b*, 60 *b*, and C is the presser bar to the lower end of which is attached the scroll-hemmer presser-foot *c*, which is, or may be, of the well known construction heretofore in use, the said presser foot being, for clearness of illustra- 65 tion, shown slightly lifted from working position.

D is the work-plate of the machine supported by an arm or cylinder E in which are the shuttles, the shuttle drivers and the feed- 70 ing mechanism.

Attached to the throat-plate D' is my improved guide consisting of the base *f* from which rises the vertical rib or flange *g* the forward or inner part of which is turned over in 75 the form of a scroll *h* which slopes downward forwardly, the said vertical flange or rib *g* being in a line about midway between the two needles of the machine and about central in front of the scroll hemmer. (See Fig. 2.) 80 Forward of the scroll *h* on the base *f* and extending beneath the presser-foot scroll hemmer, to assist in guiding the work to the latter, is a small rib *i* which slopes downward 85 forwardly.

In the use of my invention the two pieces of fabric *x*, *y*, (Fig. 6) are entered into the scroll hemmer in the usual manner, the piece *x* being so arranged that its edge extends up beneath the scroll *h* of the guide. The piece 90 *y* is so held that it overlies the said scroll which thus divides or separates the two pieces of fabric so that they can be easily adjusted with relation to each other. No special care need be taken in adjusting the edge of the 95 piece *y* excepting to draw it well over to the right, as any extra fullness of edge thereof will be properly taken care of by the scroll hemmer of the presser-foot *c*. As the machine is started the operator, by the pressure 100 of a finger against the flange *g*, holds the edge of the piece *x* against said flange and at the



same time easily guides the edge of the piece *y* over the scroll *h* so that the goods are thus accurately directed to the presser-foot scroll hemmer and to the needles to form lines of  
 5 stitches denoted by the dotted lines *z* through the lapped edges of the fabrics. Thus, without requiring special skill on the part of the operator, and with the exercise of no great care, lap-seams may, by the use of my invention,  
 10 tion, be readily formed.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. The combination with a two-needle sewing machine provided with a presser-foot scroll hemmer, of a guide, for use in making lap seams, said guide comprising a vertical rib or flange having its forward or inner part  
 15 turned over into a downwardly and forwardly

sloping scroll, and the said vertical rib or flange being arranged in a line about midway between the two needles of the machine.

2. The combination with a two-needle sewing machine provided with a presser-foot scroll hemmer, of a guide consisting of the  
 25 base *f* having the vertical flange *g* turned over to form the forwardly and downwardly sloping scroll *h*, said base having also the rib *i* in front of said scroll and extending beneath said scroll hemmer, said flange being placed  
 30 in a line about midway between the two needles of the machine.

In testimony whereof I affix my signature in presence of two witnesses.

PAUL SCHOEN.

Witnesses:

HENRY CALVER,  
 J. F. JAQUITH.