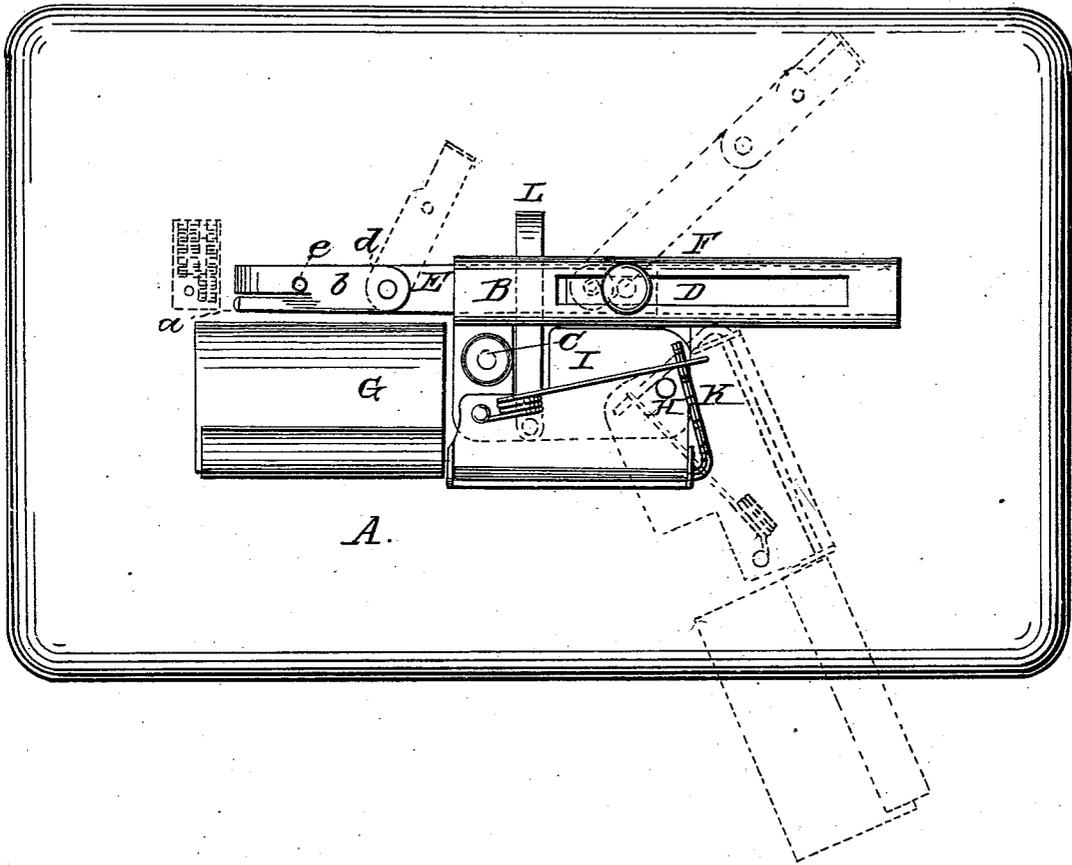


J. WENSLEY.

Sewing-Machine Guide.

No. 84,783.

Patented- Dec. 8, 1868.



Witnesses.  
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# United States Patent Office.

JAMES WENSLEY, OF NEW BRUNSWICK, NEW JERSEY.

Letters Patent No. 84,783, dated December 8, 1868.

## IMPROVEMENT IN GUIDING-ATTACHMENT FOR SEWING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES WENSLEY, of New Brunswick, in the county of Middlesex, and State of New Jersey, have invented a new and improved Sewing-Machine Attachment; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of this invention is to provide an improved adjustable guide for sewing-machines, and also an improved adjustable presser.

It consists of an attachment that may be readily secured to the table of a sewing-machine, by a thumb-screw, provided with a sliding and adjustable gauge, made in two parts, which are used together for ordinary gauging-purposes, but which may be separated by swinging one part out of the way for gauging around inner angles, as, for instance, the angles of the lapel of a coat, when the fabric requires to swing around a central axis.

The said attachment is also provided with an adjustable presser, which, as also the gauge, may be swung out of the way when they are not required for the work being done, thereby avoiding the necessity of removing the attachment from the machine.

The invention also consists in the construction of a transparent presser-plate, hinged to the support, and arranged, with reference to the guide, as will be hereinafter more fully described.

The drawing represents a plan view of my improvements.

A represents the table of a sewing-machine, and B the attachment, which is secured to the table by a thumb-screw, C, and provided with ways, D, wherein the gauge E may be adjusted and secured, by the set-screw F.

The said gauge is provided with a vertical stud, *a*, at its operative end, and also with the part *b*, which is pivoted to the stock of the gauge at *d*, and which is held in working position, in connection with the stud *a*, by springing over the short stud *e*, in the stock of the guide.

These two parts serve together as a gauge for articles having straight, or nearly straight edges, but when it is required to sew around abrupt inner angles, it is desirable that the gauge shall serve as an axis, around which the fabric resting at the inner angles against the said axis may be swung, to a greater or less extent, according to the opening of the said angles.

For this purpose, the part *b* is arranged to be swung out of the way, as shown in red.

When the fabric has been swung around sufficiently, it may be fed along past the stud *a* in a straight line,

or the part *b* may be returned to its original position again.

G represents a presser, the support of which is jointed to the attachment B by a pivot, H, and is provided with a spring, I, arranged to be adjusted to the several notches of the bent arm K, to which the presser-plate is connected, for regulating the pressure of the said plate.

Both the gauge and presser are so connected to the attachment B as to admit of being swung out of the way when not needed for certain kinds of work, in a manner to obviate the necessity which would otherwise exist for removing the attachment.

For the purpose of preventing the fabric from moving the gauge out of position, the latter is provided with a spring-catch, L.

In order to provide for the better observation of the edge of the work, I propose to provide a transparent presser-plate, which I prefer to make of glass, and which may be secured, in any convenient manner, to the support for the same, whereby the operator may readily observe the edge of the work sufficiently in advance of the needle to guide it with greater precision than with the pressers as at present constructed.

The principal object, however, of the transparent presser is its arrangement with the guide, for the purpose of facilitating its adjustment to said guide. It is designed, as will be readily understood, to be used irrespectively of the ordinary presser-foot.

It will be observed that, by reason of the arrangement of the ways D, of the part B, for adjusting the gauge, the same may be much more readily accomplished than when the gauge is clamped directly to the table, as is done in the usual manner.

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

1. The pivoted gauge E and pivoted transparent presser G, in combination with the attachment B, arranged and operating as described, for the purposes specified.

2. The arrangement of the spring I and the notched bent arm K, by which the presser-plate is jointed to its support, whereby the spring is adjusted to the several notches in the bent arm, for regulating the pressure of the plate, as herein shown and described.

3. The gauge E, provided with the stud *a* and adjustable part *b*, substantially as and for the purpose described.

4. The transparent presser, constructed as described, and hinged to the support by the rod K, arranged, with reference to the guide, as herein described, for the purpose specified.

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