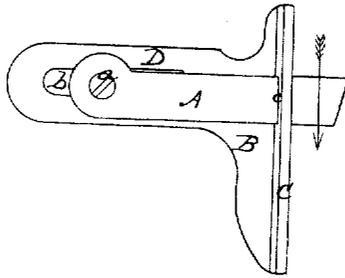


G. D. GARVIE.
GUIDE FOR SEWING MACHINES.

No. 64,968.

Patented May 21, 1867.



Witnesses

Edmond H. Lyck.

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by his aty

Inventor

J. B. Gardner

United States Patent Office

GEORGE D. GARVIE, OF HARTFORD, CONNECTICUT.

Letters Patent No. 64,968, dated May 21, 1867.

IMPROVEMENT IN GUIDE 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, GEORGE D. GARVIE, of Hartford, Hartford county, State of Connecticut, have invented a new and useful improved Gauge or Guide for Sewing Machines; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon. In these drawings—

Figure 1 represents a plain view of my invention; and

Figure 2 a side section of the same.

My invention consists of an adjustable gauge for sewing machines, whereby the cloth is guided under the needle in a proper manner without crease or irregularity, the gauge at the same time holding it down upon the plate and determining the width of the seam.

In construction I form my gauge of two parts, the flat spring A, and the plate B, the latter working upon the former, in the following manner: The spring A has at one end a shoulder, *d*, which fits closely down upon the surface of the table, and is held there by a screw, *a*, running down through the shoulder. This fixes the position of the spring which is placed just opposite to the needle. The gauge-plate B consists of a face, C, and an arm, D, extending backwards at right angles from it. This arm is made wide enough for a slot, *b*, to be cut into it, the length of which determines the play of the gauge. Through the face of the latter is cut an opening, *e*, through which passes the spring A. This slot is made to fit closely to the edges of the spring, thus guiding the gauge when adjusted, but is made larger, vertically, giving the spring play up and down. The sides of the slot *b* in the gauge-plate are bevelled and work in corresponding grooves in the shoulder *d* on the spring, thus forming the other guide for the gauge. On the end of the spring A, nearest to the needle, is a bevelled edge, with a small flange, *e*, underneath it. This gives the cloth a tendency to draw up against the face of the gauge, but being placed opposite to the needle the latter overcomes or neutralizes this, and the cloth is kept between the two, free of wrinkles, the spring keeping the cloth down so that it cannot work up above the face of the gauge and thus lose its guidance. In this manner the spring is always opposite to the needle and having a fixed position, while the gauge works upon it.

The advantages I obtain by this device are the superior guidance of the cloth by means of the gauge, adjustable to any width of seam, while the spring always holds the cloth down, and the effective manner in which the bevelled edge and flange of the spring keep the cloth smooth without interfering with its guidance.

Now, having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The adjustable gauge B, in combination with the spring-arm A, both being constructed and arranged as described.

GEO. D. GARVIE.

Witnesses:

O. W. CHAFFEE,

CORNELIUS KELLOGG.