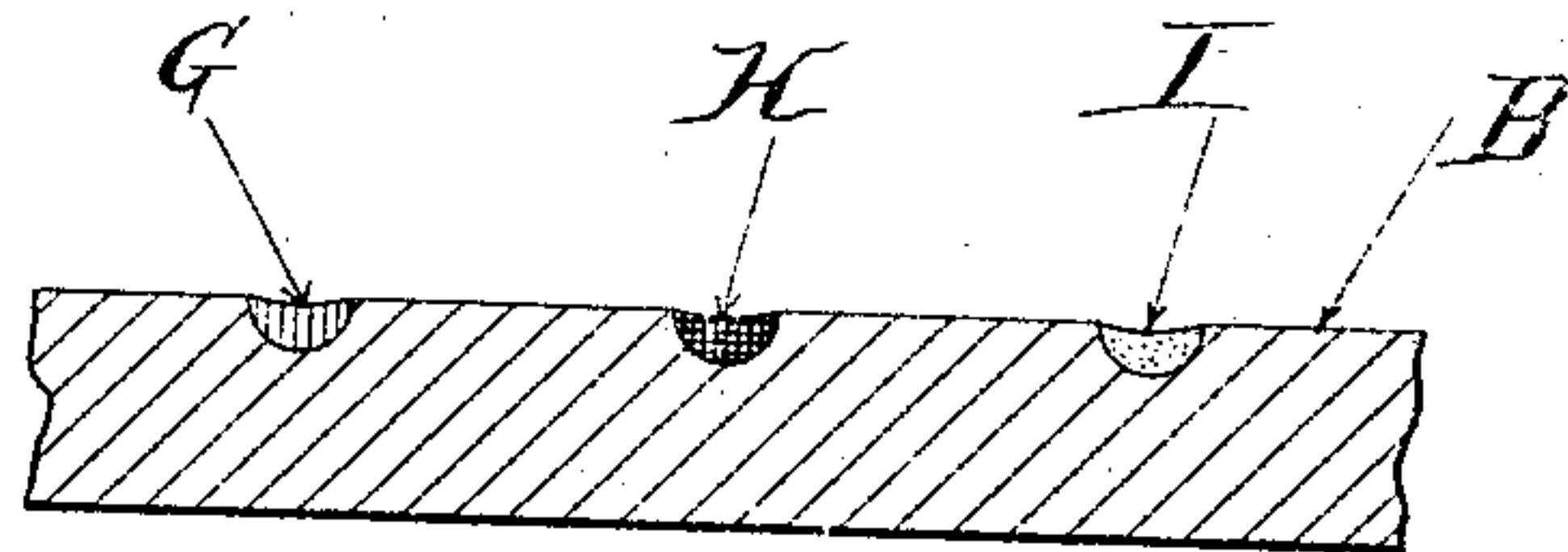
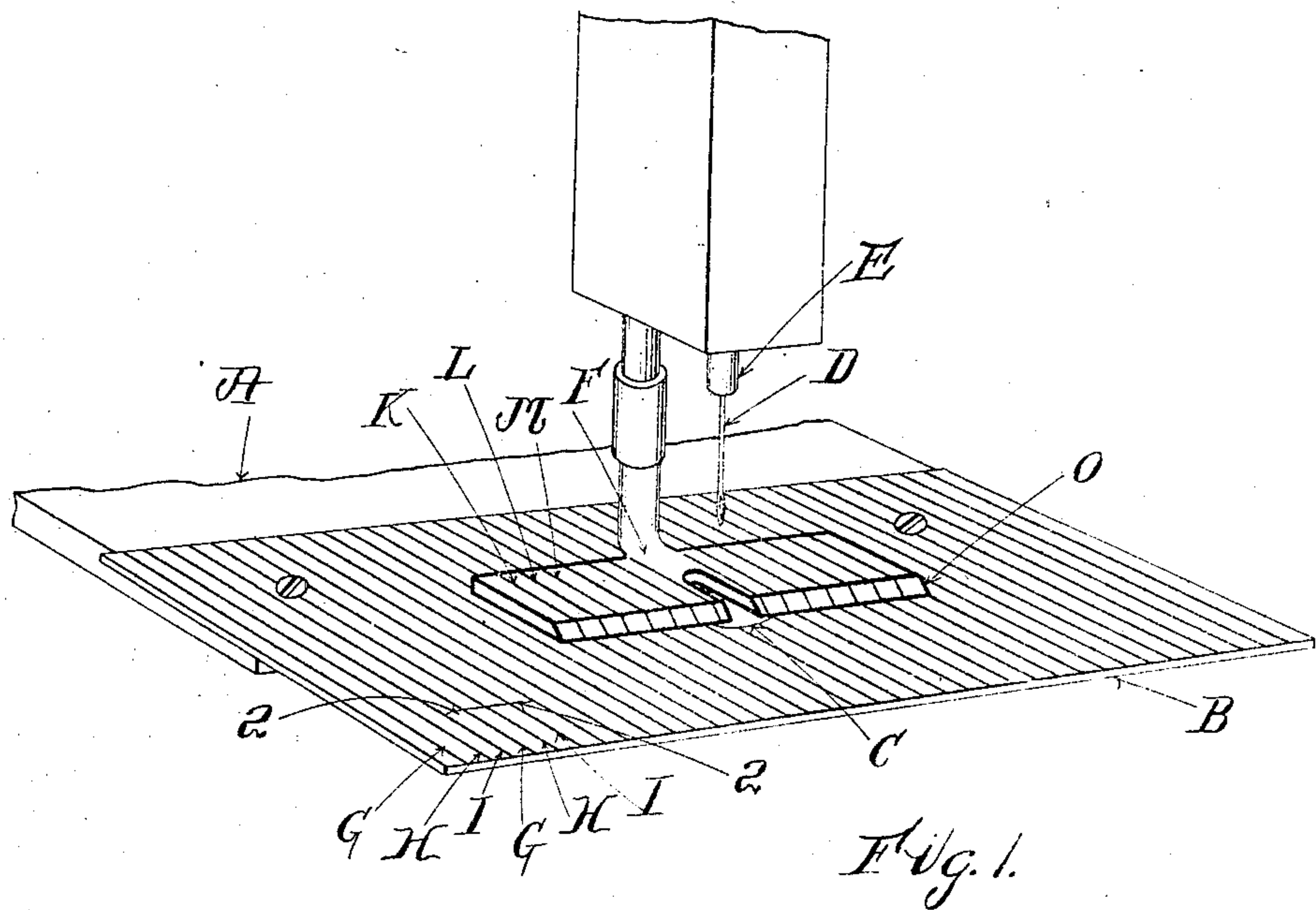


E. G. FELLOWS.
SEWING MACHINE.
APPLICATION FILED MAY 28, 1908.

907,485.

Patented Dec. 22, 1908.



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UNITED STATES PATENT OFFICE.

ELEANOR G. FELLOWS, OF MALDEN, MASSACHUSETTS.

SEWING-MACHINE

No. 907,485.

Specification of Letters Patent.

Patented Dec. 22, 1908.

Application filed May 28, 1908. Serial No. 435,489.

To all whom it may concern:

Be it known that I, ELEANOR G. FELLOWS, citizen of the United States, residing at Malden, in the county of Middlesex and State of Massachusetts, have invented a certain new and useful Improvement in Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

In the use of sewing machines as now commonly made great difficulty is found in guiding the cloth when it is desired to sew long lines of stitching, such for example as are commonly employed in the manufacture of tailor-made garments. Examples of such stitching are to be found on the edges of coats and cloaks and the bottoms of skirts; also parallel to the up and down seams of skirts. I have found that it requires a very high degree of skill to do this stitching properly and that the work is so fatiguing that an operator cannot continue it long without running the danger of serious injury.

Heretofore a great variety of guides for the purpose of lessening the difficulty and fatigue has been provided, but so far as I am informed none of them have been satisfactory for various reasons. Some of them are fairly satisfactory for a short time, but even these are found to be trying when used for a long period of time, such as is necessary when stitching on tailored garments is to be done.

My invention has for its object to provide a visual guide for this purpose which shall reduce the eye strain and subsequent fatigue of this work to a minimum.

The invention is embodied in a device of such a construction that the difficulty heretofore arising from the guide working loose and becoming displaced is entirely obviated, since the operator guides the cloth by the guide, and the guide does not itself guide the cloth.

The device embodying my invention is very cheap to construct, costing little or no more than the corresponding parts of a machine of ordinary construction. It is also so constructed that it does not interfere with the ordinary operation of the machine when not required for use, but at the same time is always in place and adjusted ready for use.

The invention will be understood from the following description taken in connection with the accompanying drawings, and the novel

features are pointed out and clearly defined 55 in the claims at the close of the specification.

In the drawings,—Figure 1 is a view in perspective of a portion of a sewing machine embodying my invention. Fig. 2 is a section 60 on line 2—2, Fig. 1, very much enlarged.

Referring to the drawings,—at A is indicated the table or bed of the machine, and at B the throat-plate, provided at its center with the hole C, through which the needle D passes, said needle D being mounted in the 65 needle-bar E. At F is shown the presser-foot by means of which the cloth is held upon the feed dog (not shown) by means of which the cloth is advanced.

The throat-plate B is provided with lines 70 on both sides of the needle, and the said lines extend both front and back of the said needle. These lines G, H, and I are preferably of contrasting colors, such for instance as red, black and white, recurring in this or- 75 der, and are preferably formed by cutting grooves in the said throat-plate and filling the said grooves with enamel of the desired color, (see Fig. 2), the object being to provide lines which will be so clear and distinct 80 from each other that the cloth may be easily guided by these lines with the least possible effort on the part of the operator. These lines are placed at such distances apart as may be convenient, preferably about one- 85 eighth of an inch, but by making them of contrasting colors as described, they may be placed quite close together without in any way affecting their utility for the purposes 90 intended.

The foot F is provided on each side of the needle hole with wings extending for perhaps an inch or an inch and a half and both of these wings are similarly provided with lines 95 K, L, and M, also preferably of contrasting colors. The foot is preferably beveled on the front as shown at O, and the lines K, L, and M are extended to the lower or front edge of the said beveled portion.

When the stitching to be done by means 100 of the machine is near one edge of the cloth, or when the line of stitches is so placed that the cloth may be folded to form an edge near which the line of stitches is to be laid, then one of the lines on the throat plate B may be 105 employed to guide the edge of the cloth. By providing lines on both sides of the needle, it is possible to use the machine to place a line

of stitches which is near either the right hand or left hand edge of the cloth.

When the line of stitches is in the middle of the cloth, so that the cloth cannot be
5 guided on one of the lines of the throat plate by its edge, because the cloth hides the lines of the throat plate, then one of the lines on the foot may be used to guide the cloth.

By making the lines as described of inlay
10 of contrasting colors, they are very easily followed by the operator and the exertion required to do sewing of this kind is very greatly decreased. Of course it will be understood that sewing machines embodying
15 my invention may be provided either with the lines on the throat-plate, or with the lines on the presser-foot, or with both, as may be desired, or as may be thought most convenient.

20 I claim as my invention:

1. In a sewing machine the combination
of a presser-plate and throat-plate, one of
said members being provided with lines parallel to the line of motion of the cloth to aid
25 the operator to guide the movement of the cloth, said lines being formed by grooves in

the said member filled with enamel of a color adapted to contrast with the color of the said member.

2. In a sewing machine, the combination 30
of a presser-foot and throat-plate, one of said members being provided with lines parallel to the line of motion of the cloth to aid the operator to guide the movement of the cloth, said lines being of contrasting colors some 35
of said lines being in full sight when the cloth is being operated upon.

3. In a sewing machine, the combination
of a presser-foot and throat-plate, one of said
members being provided with lines parallel 40
to the line of motion of the cloth to aid the operator to guide the movement of the cloth, said lines being formed by grooves in the said member, said grooves being filled with
enamels of contrasting colors. 45

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

ELEANOR G. FELLOWS

Witnesses:

GEORGE P. DIKE,
ALICE H. MORRISON.