

J. L. KLEINMAN.
GAGE FOR SEWING MACHINES.
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952,336.

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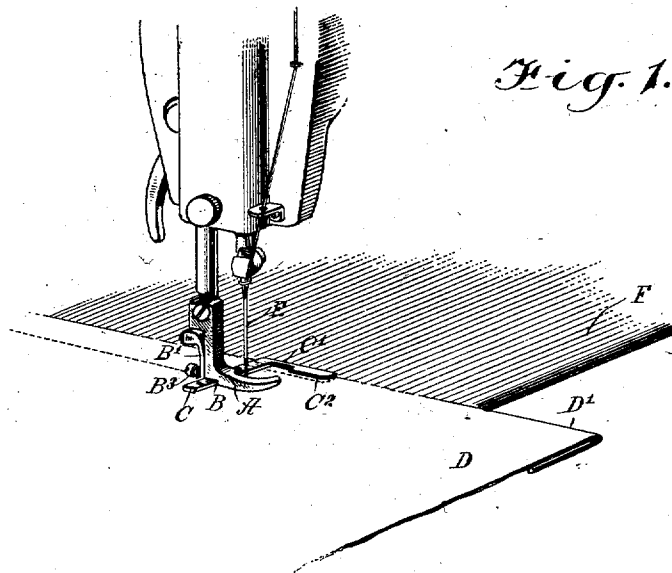


Fig. 1.

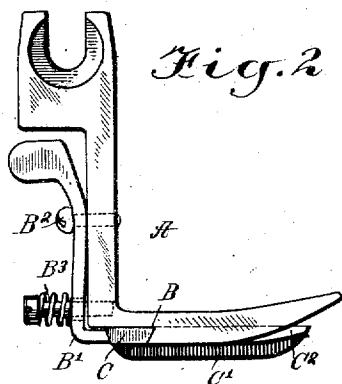


Fig. 2.

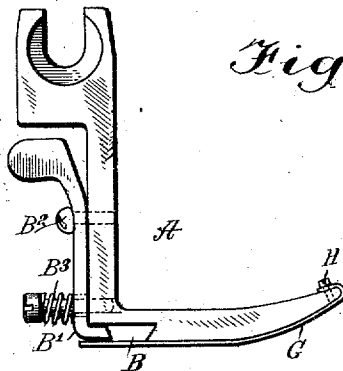
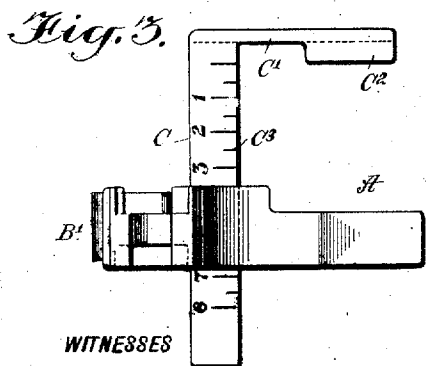


Fig. 4.



Geornayen
Rev. H. H. H. H.

INVENTOR
Jacob Louis Kleinman
BY *Munroe*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JACOB LUIS KLEINMAN, OF NEW YORK, N. Y.

GAGE FOR SEWING-MACHINES.

952,336.

Specification of Letters Patent.

Patented Mar. 15, 1910.

Application filed November 11, 1908. Serial No. 527,395.

To all whom it may concern:

Be it known that I, JACOB LUIS KLEINMAN, a subject of the Czar of Russia, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Gage for Sewing-Machines, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved gage for use on the presser foot of a sewing machine, and arranged to insure accurate guiding of the fabric material with a view to locate the row of stitches the desired distance from the edge of the fabric material or parallel to a previous row of stitches.

For the purpose mentioned, a gage is provided having a shank and a guiding flange thereon, the shank slidably engaging the presser foot at the bottom thereof, the under side of the shank being flush with the under side of the presser foot.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improved gage as applied; Fig. 2 is an enlarged side elevation of the gage in position on the detached presser foot; Fig. 3 is a plan view of the same; Fig. 4 is a side elevation of the presser foot with the gage removed, a shoe being applied to the presser foot to cover up the bottom opening in the presser foot.

On the under side of the presser foot A is arranged a guideway B, in which is mounted to slide the shank C of a gage having a depending transversely-extending flange C', adapted to engage the edge D' of the fabric material D, to locate the row of stitches to be made in the usual manner by the needle E, a desired distance from the said edge D' and parallel to it, as will be readily understood by reference to Fig. 1. The guideway B and the shank C are located in the rear of the needle E, and the guideway is preferably in the form of a dovetail groove, and the shank C is formed correspondingly in cross section, to slidably engage the groove and thus permit of adjusting the flange C' nearer to or farther from the needle E, according to the desired distance between the row of stitches and the edge D' of the fabric

material D. The guideway B has its rear wall in the form of a manually-controlled clamping member B', to clamp the shank C in place in the guideway after the gage is adjusted to the desired position, as above mentioned and shown in Fig. 1. The clamping member B' is in the form of a spring-pressed lever, fulcrumed at B² on the back of the presser foot A, and the said lever is pressed on by a spring B³ to hold the member B' in clamping contact with the rear edge of the shank C. Now by reference to Figs. 1 and 2, it will be seen that the bottom of the presser foot A and the under side of the shank C are flush and consequently the shank C extends over the top of the material D, while the flange C' depends to properly engage the side edge D' of the material D. The flange C' is provided at its forward portion with a horizontally-extending arm C², adapted to engage the top of the fabric material D, to prevent the same from bulging in an upward direction while passing over the table F of the sewing machine and the said arm C² has the top portion of the same spaced from the shank C, as will be readily seen by referring to Figs. 1 and 2. The top of the shank C is preferably provided with a graduation C³, to indicate the distance the gage is to be set, that is, to the distance between the needle E and the side edge D' of the fabric material D.

In case the gage is removed and is not used, it is desirable to close the bottom of the guideway B so as to prevent the material from being caught in the said guideway, and for this purpose use is made of a shoe G, extending under the entire bottom of the presser foot A, the shoe having its forward end turned backward over the front end of the presser foot, and this turned over portion is fastened in place on the presser foot by a screw H, as indicated in Fig. 5.

It is understood that by having the gage arranged in the manner described, it passes directly over the fabric material D, thus insuring a proper gaging of the material, especially as the flange C' abuts against the edge D'.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. In combination a presser foot provided at its under side with a guideway having a spring-pressed clamping member, a gage having a shank engaging the said guideway

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 5 and clamped therein by the said clamping member, the said shank and presser foot being flush at the under side, and a transverse guiding flange at one end of the said shank and extending downward below the under side of the shank to engage the edge of the fabric material, the said flange having an angular top member adapted to rest on top of the fabric material adjacent to the edge.

10 2. In combination, a presser foot provided at its under side with a guideway having a spring-pressed clamping member, a gage having a shank engaging the said guideway
 15 and clamped therein by the said clamping member, the said shank and presser foot being flush at the under side, and a transverse guiding flange at one end of the said shank and extending downward below the under
 20 side of the shank to engage the edge of the fabric material, the said flange having an angular top member adapted to rest on top of the fabric material adjacent to the edge, the top member being spaced from the
 25 shank.

3. In combination, a presser foot provided at the back thereof with a spring-pressed clamping member having an end of the same forming one side of a dovetailed guideway on the under side of the presser foot, a gage having a dovetailed shank adapted to engage the said guideway, and removably clamped therein by the said clamping member, with the said shank and said presser foot flush at the under side, and a transverse guiding flange at one end of the said shank and extending downward below the under side of the shank to engage the edge of the fabric material, the said flange having an angular top member adapted to rest on top of the fabric material adjacent to the edge, and the said top member being spaced from the shank.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JACOB LUIS KLEINMAN.

Witnesses:

THEO. G. HOSTER,
 PHILIP D. ROLLHAUS.