

UNITED STATES PATENT OFFICE.

AUGUST MERKEL, LINA B. SANDERS, AND META HELLMANN, OF CHICAGO, ILLINOIS; SAID MERKEL ASSIGNOR TO OLIVE DRUIDING, OF COOK COUNTY, ILLINOIS.

SEWING-MACHINE GUIDE.

SPECIFICATION forming part of Letters Patent No. 721,590, dated February 24, 1903.

Application filed May 29, 1902. Serial No. 109,537. (No model.)

To all whom it may concern:

Be it known that we, AUGUST MERKEL, a citizen of Prussia, Germany, and LINA B. SANDERS and META HELLMANN, both citizens of the United States, and all residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sewing-Machine Guides, of which the following is a specification.

The object of this invention is to provide a sewing-machine guide having a certain amount of resilience and adapted to be readily secured in operating position or removed from the machine, a spring-clip being used controlled by a screw and said clip carried by an adjustable sleeve having a lateral extension, as shown in the accompanying drawings, in which—

Figure 1 is a perspective view of the guide and its fastenings constructed in accordance with our invention, and secured to the stem of the presser-foot of a sewing-machine. Fig. 2 is a top view of the same. Fig. 3 is a vertical section of the same through the center of the presser-foot stem.

In said drawings, A represents the stem of a presser-foot, having the presser-foot B secured to its lower end by means of a screw *b*. The sewing-machine guide consists in part of a rod C, retained in a horizontal position by a clamp or spring-clip D. On one end of the rod C is loosely mounted the tubular boss or sleeve E² of the cloth creaser or marker E between a shoulder on said rod C and a nut *k* upon said rod. The horizontal upper portion of the body of the marker E is rigidly secured to or is made integral with the sleeve E² and is extended substantially parallel with the presser-foot B. The body of the marker is thence bent laterally at *e*³ to permit it to be extended downwardly at *e*⁴ in front of the presser-foot, and thence substantially horizontally at *e*⁵ at a distance in front of the presser-foot, where it terminates into a pendent cloth-marker *e*⁶, having flattened sides and a blunt knife-edge, which is thus adapted to rest on the cloth operated upon, with the pressure caused by a flat spring *e*², one end of which is inserted in a slit *c*, made

diametrically through and lengthwise of the end of the rod C. The opposite end of the spring *e*² is received in a slitted lug or a looped wire *e*, secured to or projecting from the side of the body E of the marker.

The spring-clip D consists of a rectangular piece of spring metal, as steel, slotted substantially vertically a portion of its length to obtain two upwardly-extended branches *d* and *d*², with a larger perforation in the bottom of the slot for the passage of the rod C, in which it is adjustably clamped by means of a thumb-screw F. Said screw passes freely through a perforation in the branch *d*² and has its screw-threaded portion in engagement with the branch *d* of the clip. To retain said clip adjustably secured at a suitable height upon the stem A, one end of a metal strap G is made to inclose three sides of the upper portion of the branch *d*, and said strap is made to constitute a sleeve and encircle the stem A, and its other end is brought toward the end first described, and both portions of said strap are secured to the clip D by means of a screw *h* passing through them, the thread of the screw being in engagement with a horizontal hole *i* in the clip.

Having now fully described our invention, we claim—

1. In a sewing-machine guide, the combination of a metal strap having its middle portion bent to constitute a sleeve and its ends bent laterally to partly inclose a clip, a cloth-marker having the rod C passing through the clip, said clip consisting of a rectangular body vertically slotted constituting two branches, a thumb-screw passing through one of said branches and in engagement with the other, and a clip-retaining screw passing through the ends of the metal strap and in engagement with the clip, substantially as described.

2. In a sewing-machine guide, the combination of a clip-fastener consisting of a metal strap having its middle portion bent to constitute a sleeve and its ends bent laterally to partly inclose a clip, said clip consisting of a body vertically slotted, and a thumb-screw passing therethrough, with a cloth-marker

consisting of a rod C passing through the slot of the clip and having a slotted end, a tubular boss mounted loosely upon the rod C and the body of the marker rigidly secured to said
5 boss and extended forwardly, and also laterally and downwardly, and a flat spring having one end in the slotted end of the rod C and the opposite end secured to the body of the marker substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

AUGUST MERKEL.
LINA B. SANDERS.
META HELLMANN.

Witnesses:

W. B. CANTRELL,
KARL EPSTEIN.