No. 691,705. Patented Jan. 21, 1902.

C. H. LEWIS.

TUCKING GUIDE FOR SEWING MACHINES.

(Application filed Feb. 15, 1901.)

(No Model.)

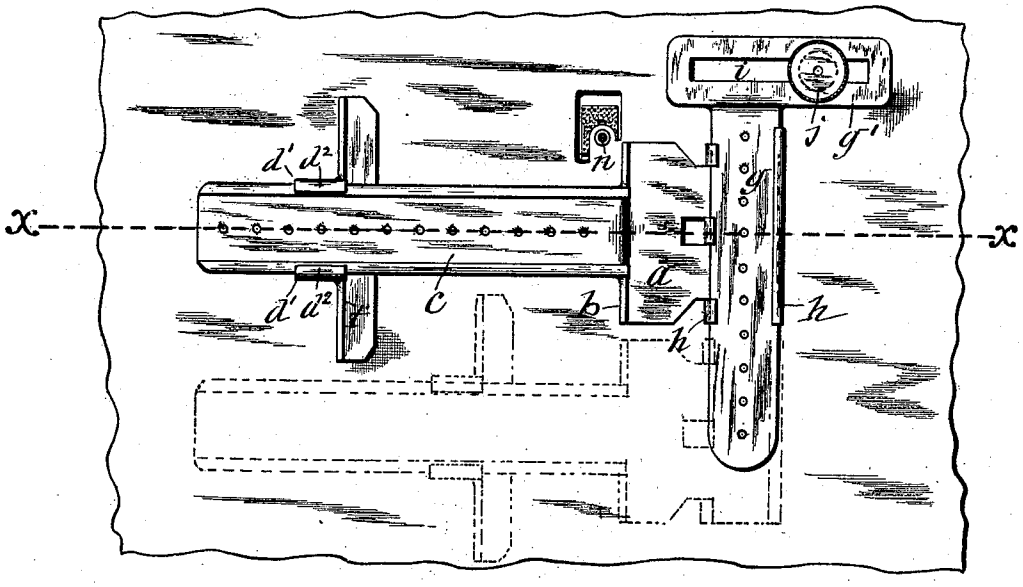


Fig. 1

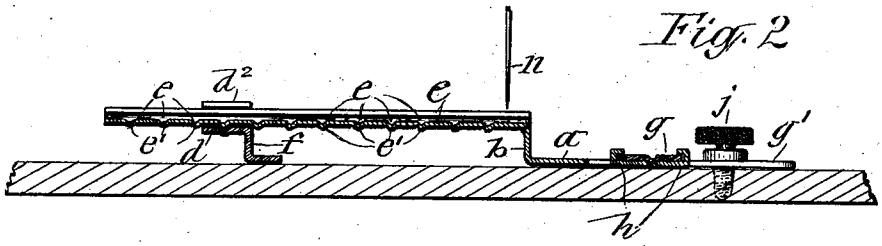


Fig. 2

WITNESSES.

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TUCKING-GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 691,705, dated January 21, 1902.

Application filed February 15, 1901. Serial No. 47,401. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. LEWIS, a citizen of the United States, and a resident of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Tucking-Guides for Sewing-Machines, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention consists in an improved construction and combination of the component parts of a gage designed to be used on a sewing-machine in the operation of sewing tucks in fabric, said invention affording greater range of adjustment for sewing tucks of various widths and other great conveniences in its operation.

In the annexed drawings, Figure 1 is a plan view of a tucking-guide or tuck-folding attachment embodying my invention. Fig. 2 is a horizontal section on line X X in Fig. 1.

Similar letters of reference indicate corresponding parts.

a denotes the stay-plate of the tucking-guide. This plate is formed with a gaging-shoulder *b*, consisting, preferably, of an upwardly-bent portion of the plate *a* to simplify and reduce the cost of manufacture. From the top edge of the shoulder *b* extends at right angles a horizontal tongue *c*, which is also preferably formed integral with the aforesaid shoulder, and thus allows the three members *a*, *b*, and *c* to be formed in one piece stamped out of suitable sheet metal.

On the under side of the tongue *c* is carried a shoe *d*, which is movable lengthwise of the tongue and adjustably clamped in its required position by any suitable means, preferably by jaws *d'*, formed on the shoe and engaging opposite edges of the tongue *c* and provided with inwardly-bent lips d^2, bearing on top of the tongue and holding the shoe snugly on the under side of the tongue, which latter is provided with a plurality of downwardly-projecting spurs *e*, distributed lengthwise of the tongue and adapted to engage an indentation *e'* in the underlying portion of the shoe.

f represents the coöperating gaging-shoulder, which projects downward from the shoe and is preferably formed integral therewith. The aforesaid construction allows the gaging-shoulder *f* to be adjusted to the requisite distance from the shoulder *b* to form on the fabric a tuck of the desired width.

For fastening the stay-plate *a* to the table of the sewing-machine I employ the attaching-arm *g*, which is formed in one piece with the laterally-extending supplemental arm *g'*, provided with a longitudinal slot *i* for the reception of the attaching-screw *j*. The stay-plate *a* is formed integral with a rectilinear guide *h*, disposed parallel with the gaging-shoulder *b* and extending lengthwise of the attaching-arm *g*, on which it is supported by lips formed on the guide *h* and embracing the longitudinal edges of the arm *g*, as clearly shown in Fig. 2 of the drawings. The stay-plate is thus allowed to be shifted longitudinally on the attaching-arm *g* to carry the tongue *c* a greater or less distance from the front of the sewing-machine needle *n*, as may be desired.

The gaging-shoulder *b* is rendered adjustable in its distance from the side of the needle *n* by the longitudinal slot *i* in the supplemental attaching-arm *g'*, which is integral with the arm *g* and clamped adjustably on the table by the attaching-screw *j*, passing through the slot *i*, as hereinbefore described.

The stay-plate is retained in its desired position by one of a plurality of spurs on the under side of the arm *g* engaging an indentation in the underlying guide *h* substantially in the same manner as the retention of the shoe *d* on the tongue *c*.

What I claim as my invention is—

The combination with the attaching-arm, of the stay-plate formed with a guide provided with lips embracing the edges of said arm and adjustably clamped thereon, a gaging-shoulder formed on said plate, a tongue extending from said shoulder, a shoe adjustably sustained on said tongue by jaws on the shoe engaging the edges of the tongue and by a spur on one engaging an indentation in the other of said parts and a gaging-shoulder projecting from said shoe substantially as set forth and shown.

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Witnesses:

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