

(No Model.)

W. RAEUCHLE.
GUIDE FOR SEWING MACHINES.

No. 490,885.

Patented Jan. 31, 1893.

Fig: 1

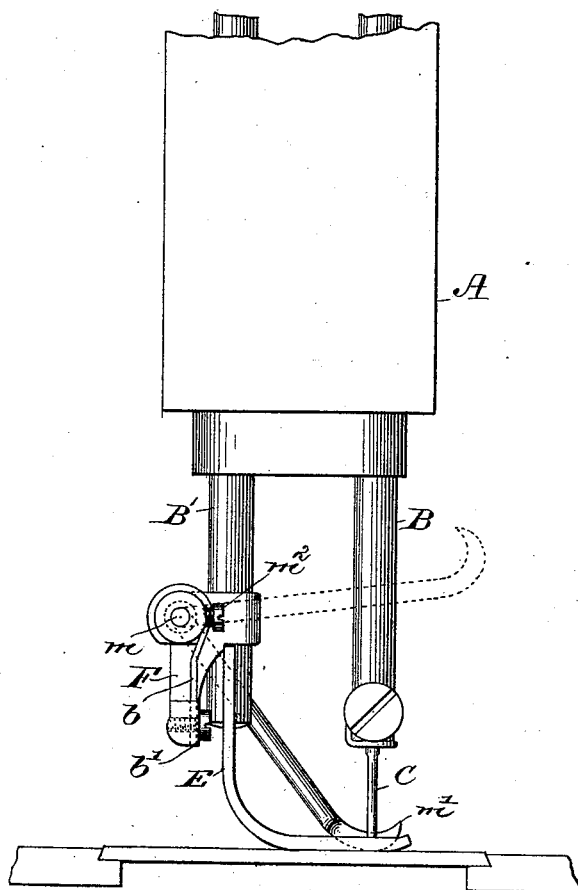
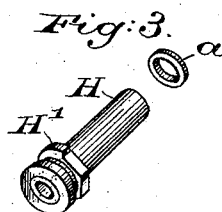
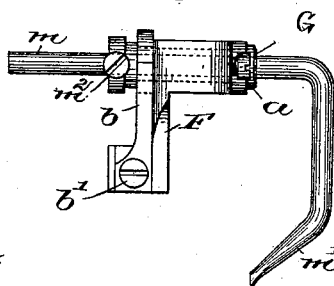


Fig: 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

WILLIAM RAEUCHLE, OF BOSTON, MASSACHUSETTS.

GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 490,885, dated January 31, 1893.

Application filed April 1, 1892. Serial No. 427,380. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM RAEUCHLE, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in
5 Guides for Sewing-Machines, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 This invention has for its object to provide an improved gage for use in quilting, or parallel stitching, or edge-stitching, the gage being provided with means whereby it may be readily thrown into or out of operative position
15 as desired, and be retained in either of its positions.

Figure 1, in front elevation represents a sufficient portion of a sewing machine with my improved gage applied to illustrate my invention. Fig. 2, is a top or plan view of one of
20 my improved gages; and Fig. 3, shows the sleeve and a collar *a* detached.

The head A; needle-bar B; needle C; presser-bar B'; and presser-foot E are and may be
25 as usual in sewing machines.

In accordance with my invention I provide a block F, and by a screw G, or otherwise, I secure the block in place on the presser-bar. The block constitutes a bearing for the sleeve
30 H having a ratchet H', said sleeve being mounted loosely in the block and kept from moving longitudinally by the collar *a*, applied thereto. The shank *m* of the gage *m'* is extended through to the sleeve and confined thereto by the set screw *m*² so that the
35 said sleeve may be rotated partially and take with it the gage. The ratchet H' is acted upon by a suitable spring *b* shown as attached by a screw *b'* to a depending arm of the
40 block F, the shape of the block and the strength of the spring being such as to enable the gage *m'* to be kept in its operative position either near the bed of the machine or the work thereon, as shown by full lines;
45 or up away from the material in its inoperative position as shown by dotted lines Fig. 1. By loosening the set screw *m*² the gage shank may be drawn to the right or left through the sleeve H so as to place the gage
50 face at the proper distance from the side of

the presser-foot, according to the work to be done. When turned down into its full line position, the face having a straight edge and located at one side of the presser-foot, may be used as a quilting gage, or as an edge gage. 55

My improved gage, for the greatest economy in cost, will be made of wire bent into shape.

A quilting gage carried by a block secured to a presser-bar is not broadly new but prior
60 to my invention I am not aware that a gage of the class referred to has ever had co-operating with it a spring controlled locking device whereby the gage may be held in either
65 its operative or inoperative position, or as represented by full and by dotted lines, without removal of any parts or the employment of any screws. The gage is free to vibrate against the action of the spring, yet it is restrained positively from any accidental longitudinal
70 movement.

This invention is not limited to the exact shape shown for the foot or gage end of the guide.

Having described my invention, what I
75 claim and desire to secure by Letters Patent, is:—

1. A gage having a face and a right-angled shank, a block to constitute a bearing for the sleeve, and a sleeve mounted loosely therein
80 and having a shouldered hub or wheel said shank being connected to the sleeve, combined with a locking device co-operating with said shouldered hub and adapted to retain it and the gage with its face in operative, or in
85 inoperative position, as and for the purposes set forth.

2. The presser-bar, the bearing, and the sleeve movable axially therein and provided with the toothed portion H', combined with
90 a gage having a substantially right-angled shank, means to adjust said gage shank and sleeve longitudinally one with relation to the other, and a locking spring to co-operate with said toothed portion to retain the gage raised
95 or lowered, substantially as described.

3. The presser-bar, its block F, the sleeve axially movable therein, and restrained from longitudinal movement, and the gage having
100 the gage face and a right-angled shank ex-

tended through and longitudinally movable
in said sleeve, whereby the gage face may be
adjusted toward and from the line of stitching
and presser-bar, combined with means to
5 retain the adjusted shank fixed in the sleeve,
substantially as described.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

WILLIAM RAEUCHLE.

Witnesses:

FREDERICK L. EMERY,
EDWARD F. ALLEN.