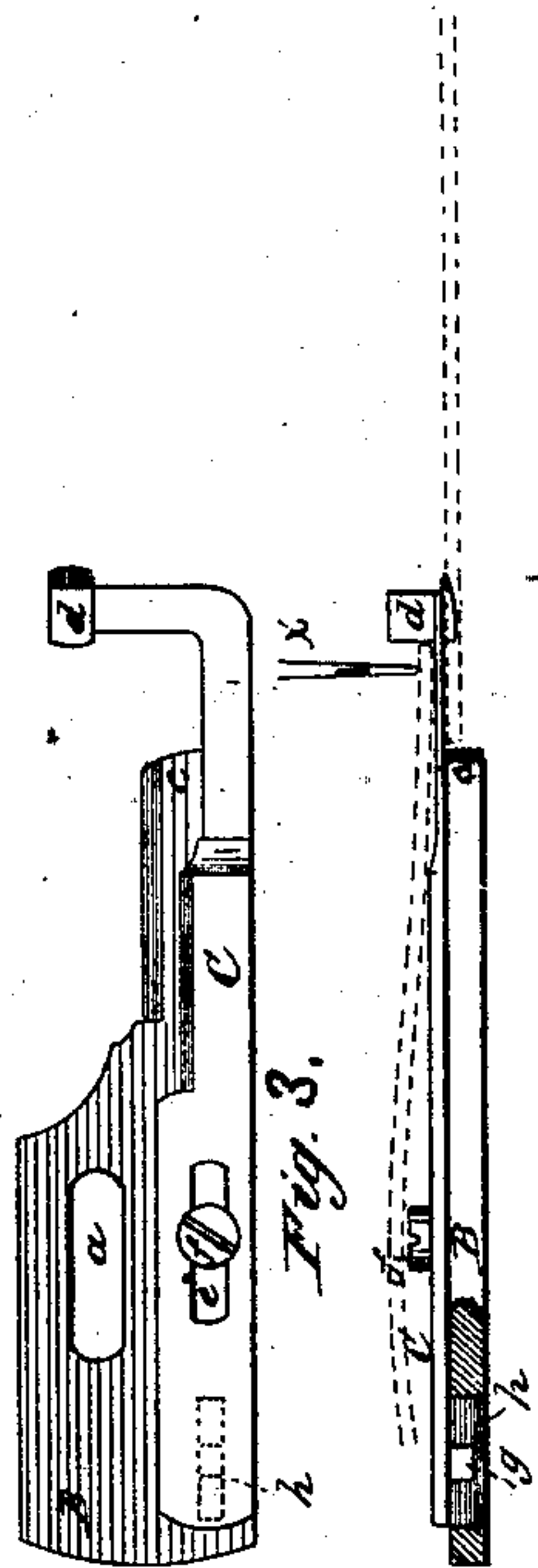


# SEAM GAGE FOR SEWING MACHINES.

Patented July 26, 1881.



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## SEAM-GAGE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 244,739, dated July 26, 1881.

Application filed January 8, 1880.

*To all whom it may concern:*

Be it known that I, WILLIAM P. BROSIUS, of Richmond, in the county of Henrico and State of Virginia, have invented a new and Improved  
5 Seam - Gage for Sewing - Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

10 Figure 1 is a plan view of the device looking down upon the work-plate of the sewing-machine, and showing the two sections of a quarter of a shoe about to be connected by the first row of stitching. Figs. 2 and 3 are respectively a plan and edge view in detail of the device.

The object of my invention is to provide a seam-gage for determining the amount of lap in sewing together two pieces of leather in the  
20 manufacture of boots and shoes, or in connecting parts of any other material, so that a uniform amount of lap is preserved and the line of stitching kept at the proper distance from and in parallel position with the edge. It is  
25 an improvement in that form of gage in which a guide-face is arranged to rest in the plane of one of the sections of work and bear against its edge, and a second guide-face is arranged in the plane of the other sections of the work  
30 and is arranged to bear against the other edge, and the distance between which two faces may be varied to regulate the width of the lap.

In the drawings, A represents the work-plate of the sewing-machine, upon which, to the left  
35 of the needle, is attached the base-plate B of the gage, the said base-plate being slotted at *a* and secured to the work-plate by a screw, *b*. The end *c* of the base-plate approaches closely to the needle, (shown at *x*,) but stops  
40 short of the same a little to the left of the line of stitching, and is rounded so as to form the gage stop or guide *c* for the edge of the lower piece of material. Upon the edge of the base-plate B of this gage is arranged a thin metal  
45 tongue, C, whose end *d* is thickened and formed into a raised gage-stop, which rests above the

thickness of the lower piece of material and forms a gage stop or guide for the edge of the top piece of material. The tongue carrying this stop, it will be seen, extends between the  
50 two pieces of material just in front of the needle, and at its other end is thickened and connected adjustably to the base-plate by a slot, *e*, and set-screw *f*, a lug, *g*, on said tongue projecting down through a slot, *h*, in the lower  
55 plate, so as to hold the tongue against turning on its screw *f*, and cause it to be adjusted always in a straight line. It will thus be seen that the distance between the left-hand edge of stop *d* and the right-hand edge of stop *c*  
60 determines the width of the lap, and this width may be varied by adjusting the tongue on the base-plate and the base-plate on the work-plate by means of the set-screws, as described.

For better illustration of the operation of the  
65 device I have shown two sections of the quarter of a shoe in position to be connected at the back seam. Of these sections the bottom piece on the right has its edge resting against the stop *c*, while the top piece on the left covers  
70 the whole of the attachment, except the end of the tongue carrying stop *d*, and has its edge resting against the latter. Now, although the lower edge is obscured by the top piece, so long as the edges are kept against their gage-  
75 stops the two pieces are united with an equal lap.

Having thus described my invention, what I claim as new is—

The combination, with the base-plate, B, 80 having a stop or guide, *c*, and a slot, *h*, of the tongue C, having its end extended beyond the end of the base-plate and provided with upwardly-projecting lug *d*, and having its body portion adjustably connected to the base-plate  
85 by a set-screw, *f*, and lug *g*, substantially as described.

WILLIAM PARKISON BROSIUS.

Witnesses:

CHAS. I. WALLACE,  
WM. P. SEVY.