

919,396.

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SCALE ATTACHMENT FOR SEWING MACHINES.  
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Fig. 1

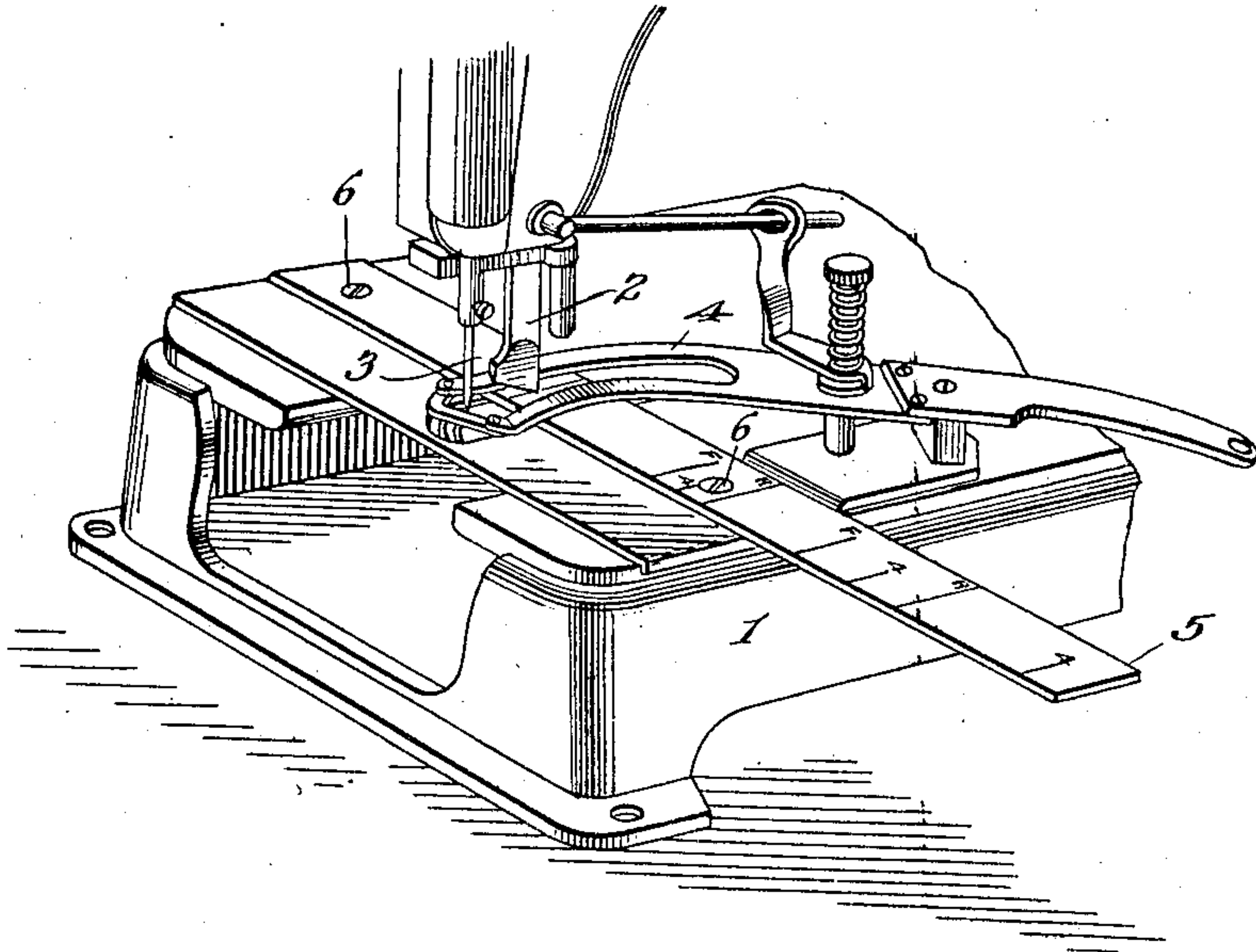
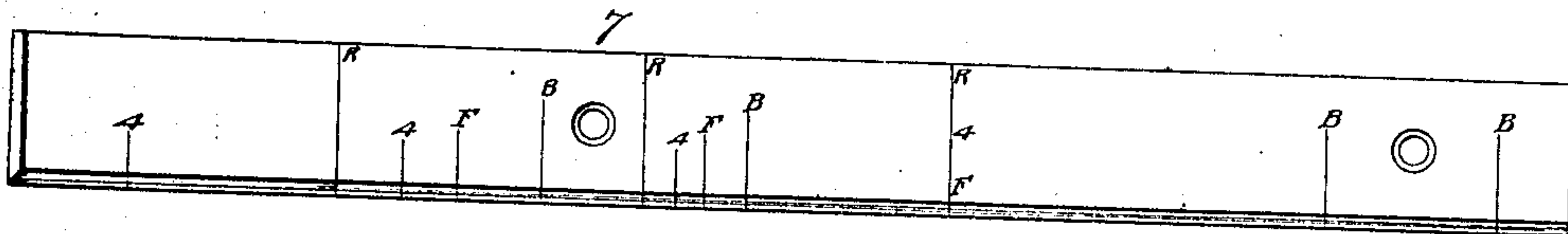


Fig. 2.



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## SCALE ATTACHMENT FOR SEWING-MACHINES.

No. 919,396.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed November 14, 1908. Serial No. 462,676.

*To all whom it may concern:*

Be it known that I, HARRY THEISS, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Scale Attachments for Sewing-Machines, of which the following is a specification.

My invention relates to improved scale attachments for sewing machines, and more particularly designed for use in connection with button-hole and button sewing machines, when employed in the making of button-holes and buttons for drawers.

The object of the invention is to provide a scale which can be secured upon the sewing machine and will designate the exact distances apart, the buttons and button-holes should be, to enable the operator to accurately place them on the garment.

With these and other objects in view the invention consists in certain novel features of construction, and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claim.

In the accompanying drawings, Figure 1, is a fragmentary perspective view illustrating the application of my improved scale on a button-hole making machine, and Fig. 2, is a plan view of a slightly modified scale for use with a button sewing machine.

1 represents the table of a button-hole making machine, 2 the knife or cutter, 3 the needle, and 4 the spring presser foot, the construction and operation of which parts are well known and need not be here described in detail.

5 represents my improved scale which comprises a strip of metal, removably secured to the base or table 1, by means of screws 6. The button-hole scale 5 is provided at an intermediate point with a line or mark, located at the point on the machine where the button-hole is to be made. This mark is indicated by the letters R, 4 and F, as shown in Fig. 2. These characters are left off on the scale in Fig. 1 to prevent confusion, but it is to be understood that the line on the scale adjacent to the cutter or knife 2 in Fig. 1 is to be marked as it is in Fig. 2, which latter scale is for use with a button sewing machine, as will more fully hereinafter appear.

On the button-hole scale 5 in Fig. 1 sev-

eral series of marks are provided, indicated by characters R, 4 and F, the marks of which series are an equal distance apart, and an equal distance from the line R—4—F, and indicate the measurements or distances apart the button-holes are to be placed on the goods. These characters are advisably used, the character F indicating French work which is a three button work, and the character 4, silk work which is a four button work; and the character R the regular or ordinary work. These marks indicate the points for button-holes to be made in the fly of drawers.

The operation is as follows: The garment is placed on the sewing machine, and the first button-hole of the series which we will assume to be of the ordinary or regular series, is made at the line R—4—F. The garment is then moved along the scale until this button-hole reaches the first mark R. The second button-hole is then made at the line R—4—F, and the garment is moved until the first button-hole comes opposite the second mark R when a third button-hole is made at the line R—4—F. The operation of all of the series would be identical.

In the scale 7 shown in Fig. 2, which is designed for use on a button sewing machine, there are four additional marks indicated by B. These marks indicate the points on the drawers where the back buttons are to be placed, and it will be seen that there are four of these marks, two of them on the one side of the line R—4—F, and two on the other. This enables the buttons to be placed on the drawers of different waist measures, the measures being taken from the center of the back of the drawers so as to properly place these buttons, which, as is well known, are for the purpose of adjusting the waist measure of the drawers.

While I have shown a particular series of marks on the scale, I would have it understood that I do not limit myself to any particular way of marking the indicating points on the scale, not to any particular spacing between the indicating points, but consider myself at liberty to use any scale or any way of marking the same, which will indicate the spaces the button-holes and buttons should be made in any goods.

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

In combination with a sewing machine,  
5 a removable bar having openings therein,  
said bar projecting across the bed plate of  
the sewing machine and in the line of feed,  
and extending out beyond the bed plate at  
one end of the bar, screws passing through  
10 the openings in the bar and into the bed

plate, and said bar marked substantially as  
and for the purpose set forth.

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

HARRY THEISS.

Witnesses:

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