

No. 690,735.

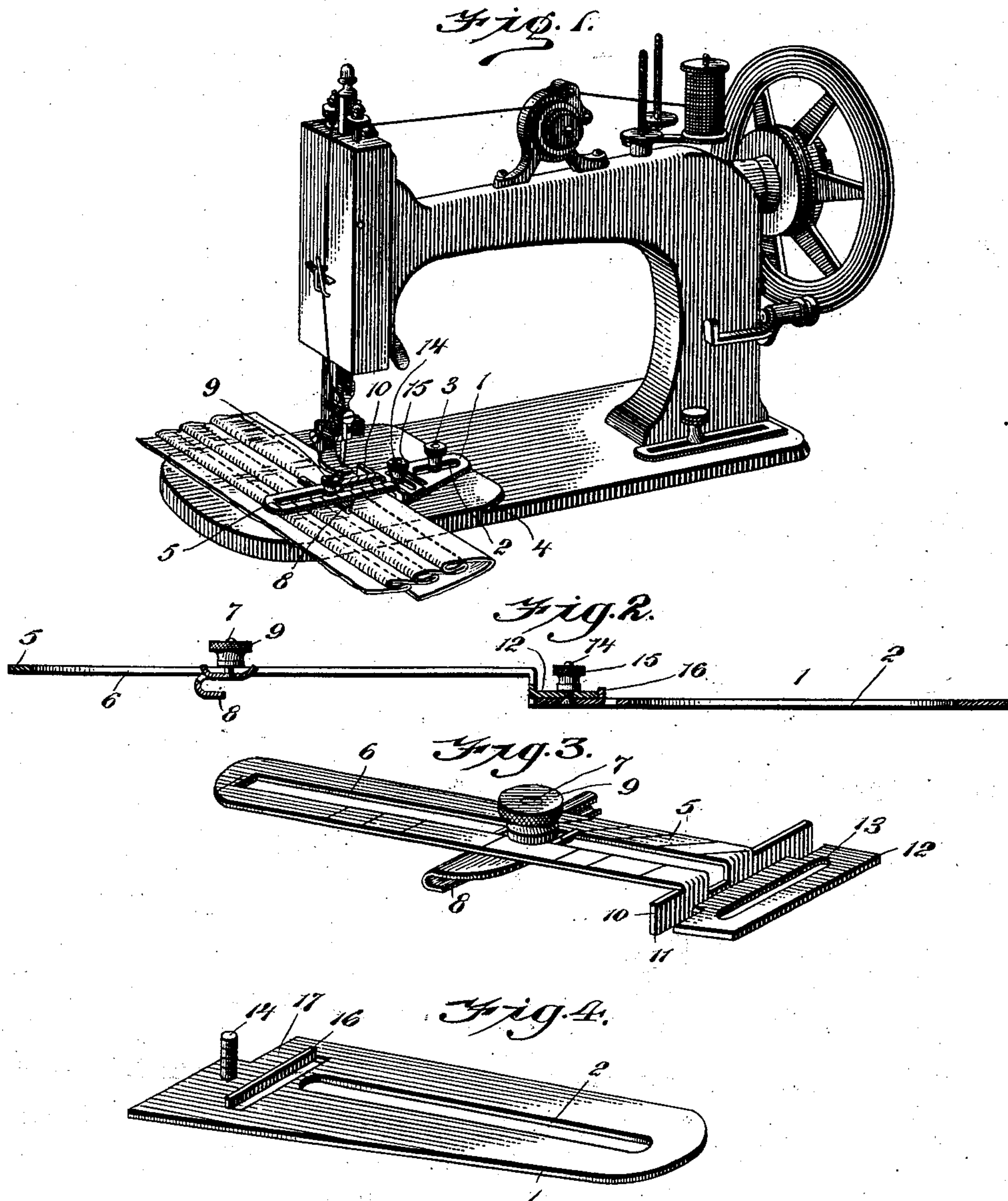
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R. C. JOHNSON.

TUCKING GUIDE FOR SEWING MACHINES.

(Application filed Dec. 13, 1900.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

RUSSELL CALHOUN JOHNSON, OF CINCINNATI, OHIO.

TUCKING-GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 690,735, dated January 7, 1902.

Application filed December 13, 1900. Serial No. 39,621. (No model.)

To all whom it may concern:

Be it known that I, RUSSELL CALHOUN JOHNSON, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and Improved Tucking-Guide for Sewing-Machines, of which the following is a full, clear, and exact description.

The invention relates to improvements in tucker attachments for sewing-machines.

Tucking-guides are sometimes made in one piece, and where they are bent to form the guide-flange they have a rounded surface, so that when the tucker is fastened to the bed-plate of the machine the cloth slips under the tucker, resulting in an uneven tuck, and, further, such a tucker made in one piece cannot be adjusted to the different feeds and feet found in various machines.

The object of my invention is to obviate the above difficulties by providing a tucker consisting of two sections, adjustable one relatively to the other, whereby the tucker may be used in a machine having a long or short feed, a long or a short foot, or wide or narrow feed, and also to so construct the tucker that the cloth will not slip under the guide-flange.

I will describe a tucker embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of a sewing-machine, showing a tucker embodying my invention as applied thereto. Fig. 2 is a longitudinal section of the tucker. Fig. 3 is a perspective view of the gage-plate, and Fig. 4 is a perspective view of the anchor-plate.

Referring to the drawings, 1 designates an anchor-plate having a longitudinal slot 2, through which a thumb-screw 3 may be passed to fasten the plate to the bed-plate 4 of the sewing-machine. Obviously by providing the slot 2 the anchor-plate may be adjusted to or from the needle, as required. Adjustable transversely of the anchor-plate is the gage plate or arm 5, provided with a longitudinal slot 6, through which a threaded lug 7 on the adjustable curved gage 8 extends. This lug 7 is engaged by a thumb-nut 9 for hold-

ing the curved gage at its place of adjustment. At its end adjacent to the end of the anchor-plate the gage-plate has a downwardly-turned flange 10, which forms the gage for the inner fold of the cloth, as indicated in Fig. 1. The end portions 11 of this flange 10 extend down to engage tightly against the bed-plate of the machine, so that the cloth cannot slip underneath the same. Between these ends 11 and slightly above the lower plane thereof is a rearwardly-extended plate 12, provided with a slot 13, through which a threaded lug 14 on the end of the plate 1 may pass. The slot 13 permits the gage-carrying plate to be adjusted transversely of the anchor-plate, so as to fit the device to different degrees of movements of the presser-feet, these degrees varying, of course, in different machines. When adjusted, the gage-plate will be so held by a thumb-nut 15 engaging with the threaded lug 14. When the gage-carrying plate is in position on the anchor-plate, the end portions 11 of the flange 10 engage the end of the anchor-plate. A flange 16 is turned upward from the anchor-plate to engage the rear edge of the plate 12, thus preventing any swinging movement of the gage plate or arm relatively to the anchor-plate.

At the end, near one edge, the anchor-plate is cut away, as at 17, which permits of adjustment of the plate for different lengths of feed of various machines to which it may be attached.

It will be seen that the slot 6 is extended downward into the flange 10, thus providing for close spacing for small or narrow tucks.

The arm 5 has on its top, at one side, diagonal graduations to indicate the width of the tuck, and marks on the other side are graduations to give the space between the tucks.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A tucking-guide for a sewing-machine, comprising an anchor-plate, designed to be adjustably secured to the bed-plate of the machine, and a gage-bearing plate or arm having a gage adjustable longitudinally thereon, the said plate or arm being formed at one end with an integral downwardly-extending flange, and a rearwardly-extending plate by which said gage-bearing arm is connected with

the anchor-plate and adjustable transversely thereon, the said rearwardly-extending plate being connected by a reduced portion with the flange between the ends thereof, the ends
5 of the flange extending beyond the connection of the said rearwardly-extending plate with the flange, and having straight lower edges adapted to engage tightly against the bed-plate of the machine, when the anchor-
10 plate is secured in position on said bed-plate, substantially as specified.

2. A tucker attachment for a sewing-machine, comprising an anchor-plate designed to be attached to the bed-plate of the machine,
15 a longitudinally-slotted gage-carrying plate, or arm having a downwardly-extended flange at its inner end, a rearwardly-extended transversely-slotted plate on said rear end, a threaded lug extended from the anchor-plate through
20 said slot, a thumb-nut engaging said lug, and a curved gage adjustable along the longitudinal slot of the gage-plate, substantially as specified.

3. A tucker attachment for a sewing-machine, comprising an anchor-plate having a
25 portion cut away at one edge at its forward end, a gage-carrying plate having a rearward extension adjustable transversely of the anchor-plate, a flange extended upward from
30 the anchor-plate for engaging with the rear edge of said rearwardly-extended plate, a

flange extended downward on the gage arm or plate, and having end portions the lower edges of which are slightly below the lower surface of said rearwardly-extending plate, 35 and adapted to engage tightly against the bed-plate of the machine, and a curved guide or gage on said gage-carrying arm or plate, substantially specified.

4. A tucking-guide for a sewing-machine, 40 comprising an anchor-plate designed to be secured to the bed-plate of the machine, and a longitudinally-slotted gage-bearing arm or plate having a downwardly-extending flange at its inner end having straight end portions 45 the lower edges of which are arranged to engage tightly against the bed-plate of the machine, a rearwardly-extending and transversely-slotted plate on said inner end and slightly above the plane of the lower edges of 50 the end portions of the flange, the said rearwardly-extending plate resting on the anchor-plate and adjustable thereon, and the end portions of the flange engaging the end of the anchor-plate, substantially as set forth. 55

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

RUSSELL CALHOUN JOHNSON.

Witnesses:

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JOHN T. ROUSE.