

No. 668,264.

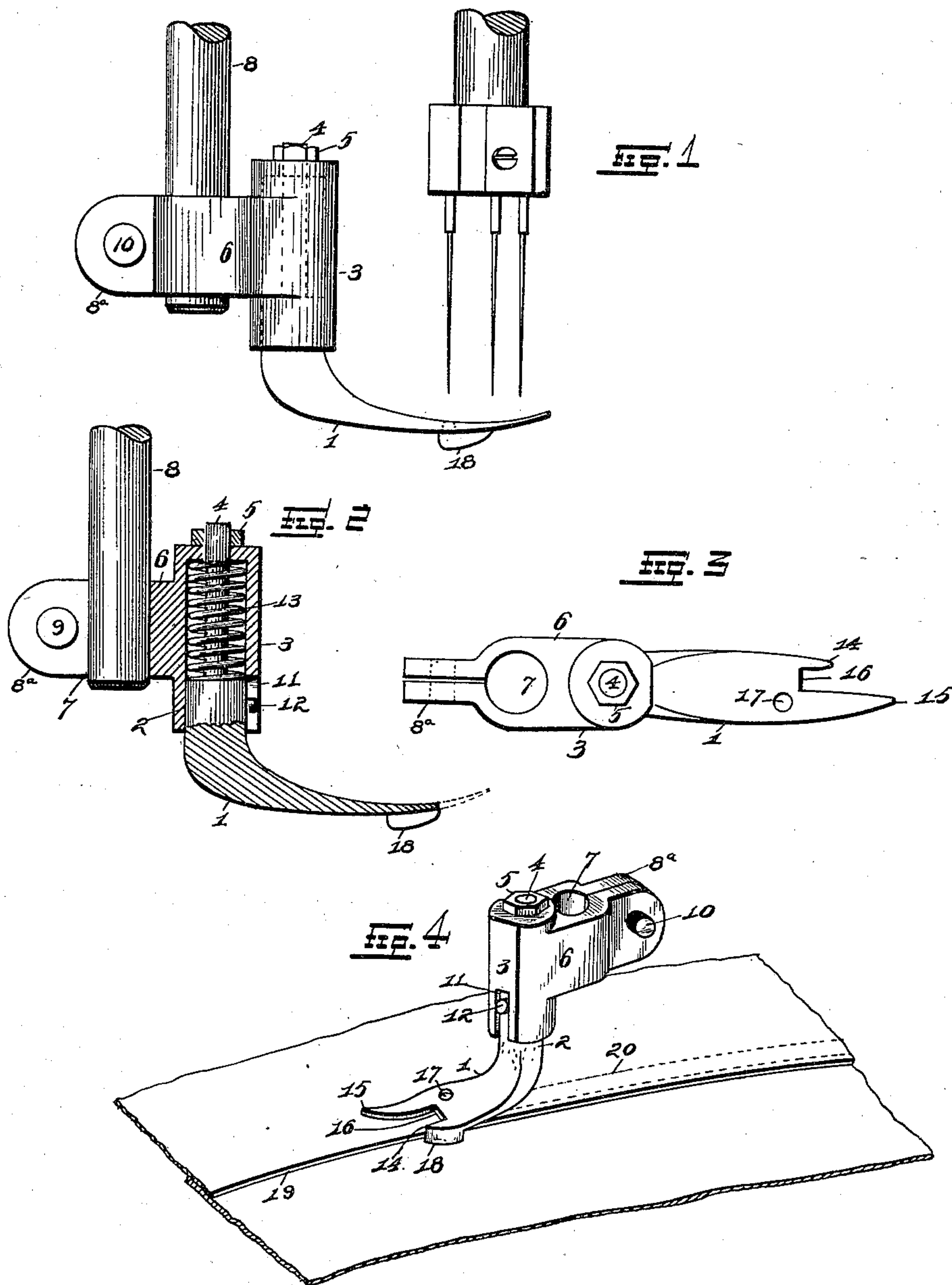
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C. PEARCE.

PRESSER FOOT ATTACHMENT FOR SEWING MACHINES.

(Application filed Oct. 30, 1899.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES PEARCE, OF JEFFERSON CITY, MISSOURI, ASSIGNOR OF ONE-HALF
TO GEORGE L. ELSTON, OF SAME PLACE.

PRESSER-FOOT ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 668,264, dated February 19, 1901.

Application filed October 30, 1899. Serial No. 735,198. (No model.)

To all whom it may concern:

Be it known that I, CHARLES PEARCE, of Jefferson city, Cole county, in the State of Missouri, have invented certain new and useful Improvements in Presser-Foot Attachments for Shoe-Sewing Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to presser-foot attachments for shoe-sewing machines; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

The object of this invention is to provide means whereby the foot of a shoe-sewing machine is self-adjustable and also to guide the material to be sewed in even alinement, making the line of stitches an equal distance from the edge.

Figure 1 is a side elevation of my complete invention attached to the supporting-rod and showing its location beneath needles carried by the needle-bar. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a top plan view of the same detached from the supporting-rod. Fig. 4 is a perspective view of my complete invention detached from the supporting-rod and shown in operative position in connection with the material to be sewed.

In the construction of my invention I provide a foot 1, suitably bent and provided with a vertical extending portion 2 of sufficient length to fit within the closed casing 3. The projection 2 is provided with an integral pin 4, which extends through the closed casing 3 and is held in position by means of a nut 5, mounted upon the top of said closed casing. The closed casing 3 is provided with a projection 6, provided with a vertical bore 7, by which said closed casing is held upon the supporting-rod 8. The same is adjusted and tightly held to said rod by means of the ears 8^a, formed on the outer end of the projection 6 and provided with apertures 9, through which the bolt or screw 10 is adapted to be passed and tightened therein, clamping said closed casing firmly upon the rod 8. At the base of the front side of the closed casing 3 is provided an elongated slot 11. This is for the purpose of allowing the detent 12, formed upon the projection 2 of the foot 1, free movement and which acts as a guide, keeping said

foot in direct alinement with the closed casing and rod 8. Within the socket I provide a spring 13, its upper end communicating with the inner surface of the top of the closed casing 3 and its bottom resting upon the projection 2 of the foot. The object of the spring 13 is for the purpose to allow the foot 1 to vertically adjust itself in case the thickness of the material upon which it rests should vary, thus preventing breakage of the machine. The free end of the foot 1 is provided with two fingers 14 and 15, the latter being longer than the finger 14, and between the same is formed a recess 16. In alinement with the finger 15 is formed a vertical aperture 17, through which one of the needles is adapted to pass. Another needle is adapted to pass within the recess 16 and the third needle on the outside of the finger 14.

The finger 14 is provided on its under side with a downwardly-projecting lug 18, which is for the purpose to come in communication with the edge 19 of the material to be sewed (see Fig. 4) for guiding the same, allowing the stitches 20 to correspond in alinement with the edge 19 of said material, thus giving the material when sewed a neat appearance.

By the use of the lug 18 the guide-roller which is now used in present machines may be dispensed with, as said lug is so arranged as to be entirely out of the way of the operator, and thus perform the same function as the devices now used on machines of this class.

The device is simple in construction, durable, self-adjustable, and can readily be placed in position upon the rod 8 or removed therefrom without any difficulty.

I claim—

In a sewing-machine, a presser-bar, a cylindrical casing having clamping-ears to engage said presser-bar, the presser-foot having a cylindrical portion to enter said casing, and provided with a pin, a spring about said pin and housed in said casing, and a pin 12 on said foot to engage a slot in said casing.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES PEARCE.

Witnesses:

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