(No Model.)

J. S. PATTEN.

NEEDLE GUARD FOR SEWING MACHINES.

No. 412,202. Patented Oct. 1, 1889.

Fig. 1.

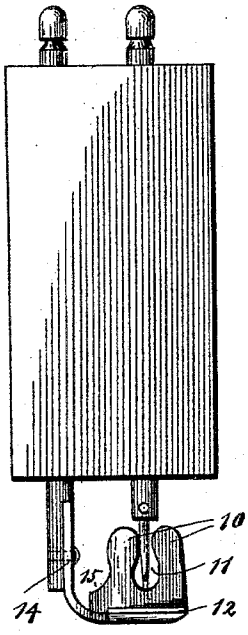


Fig. 3.

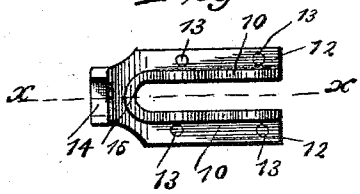


Fig. 4.

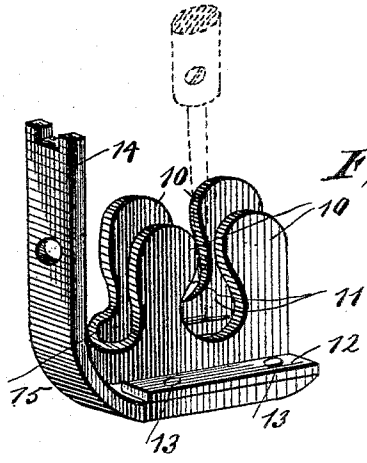


Fig. 2.

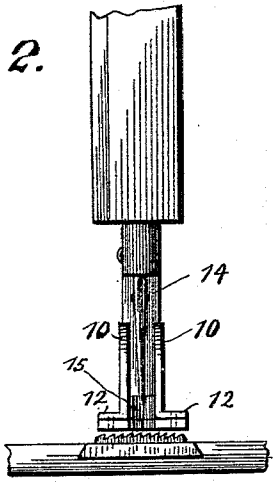
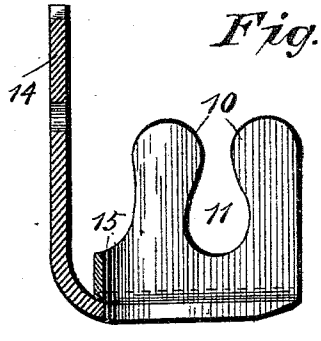


Fig. 5.



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NEEDLE-GUARD FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 412,202, dated October 1, 1889.

Application filed December 5, 1888. Serial No. 292,689. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. PATTEN, a citizen of the United States, at present residing in the city of Baltimore, in the State of Maryland, have invented a new and useful Sewing-Machine Attachment, of which the following is a full, clear, and exact description.

The object of this invention is to provide a simple attachment for sewing-machines, by the use of which all danger of the operator accidentally getting his or her finger in the path of the needle will be avoided.

The invention consists in the construction and arrangement of parts, as will be hereinafter described, and specifically pointed out in the claim.

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

Figure 1 is a side view of a portion of a sewing-machine, representing the same as it appears when provided with my improved attachment. Fig. 2 is a front view of the same, a portion of the table, however, being represented in this view. Fig. 3 is an enlarged plan view of a presser-foot, representing it as it appears when provided with my attachment. Fig. 4 is a perspective view of a presser-foot and the attachment on an enlarged scale; and Fig. 5 is an enlarged sectional view on line x x of Fig. 3.

The shield forming the subject-matter of this application is preferably formed from a sheet of metal stamped and bent to the form shown in the drawings—that is, so that there will be two side wings or guards 10, each of which is formed with a central downwardly-extending opening 11, and provided with a side flange 12, through which there are passed rivets 13, whereby the shield or guard is connected to the presser-foot 14. The metal between the shields or guards 10 is cut away, as shown at 15, and, if desired, the shields or guards could be made of separate pieces of metal, as will be readily understood.

Although I prefer to connect the attachment to the presser-foot of the machine by riveting it to place, still I desire it to be understood that any proper means for connecting the parts could be employed.

By forming the side openings 11, I provide for the admission of the required amount of light and for the easy threading of the needle.

In operation the guards 10 will prevent the fingers of the operator from being passed beneath the needle, so that all danger of piercing the fingers will be avoided.

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

A needle-guard for a sewing-machine presser-foot, consisting in the parallel vertically-extending plates 10, connected at the lower ends of their rear edges, as shown at 15, formed on their lower edges with apertured flanges 12, and provided with openings 11, extending downwardly from their upper edges.

JAMES S. PATTEN.

Witnesses:
H. M. STUART,
T. WATERS RUSSELL.