J. H. BEAN.

Holders for Sewing-Machine Attachments.

No. 157,059. Patented Nov. 24, 1874.

Fig. 1

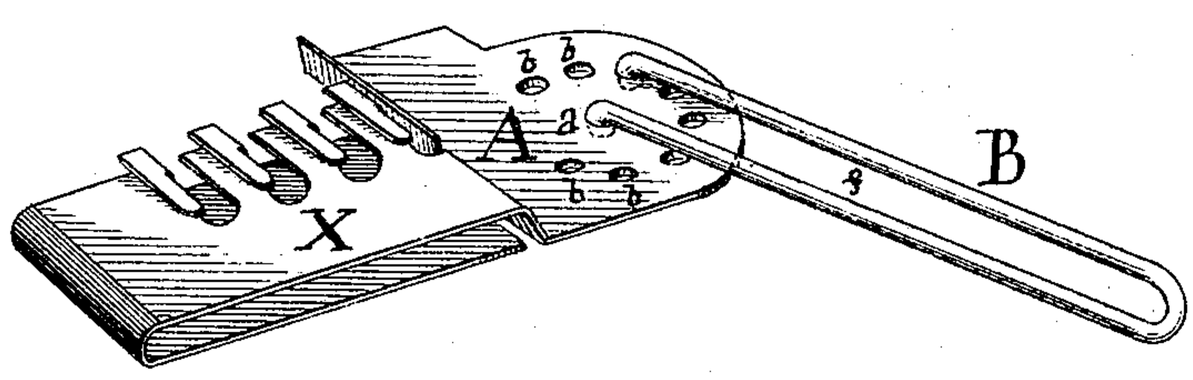


Fig. 3

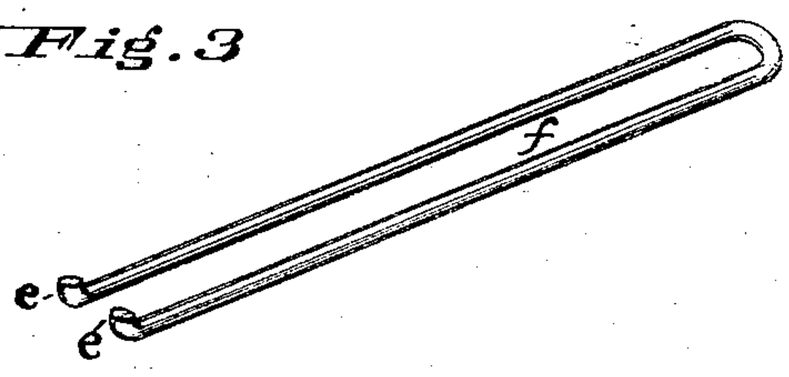


Fig. 4

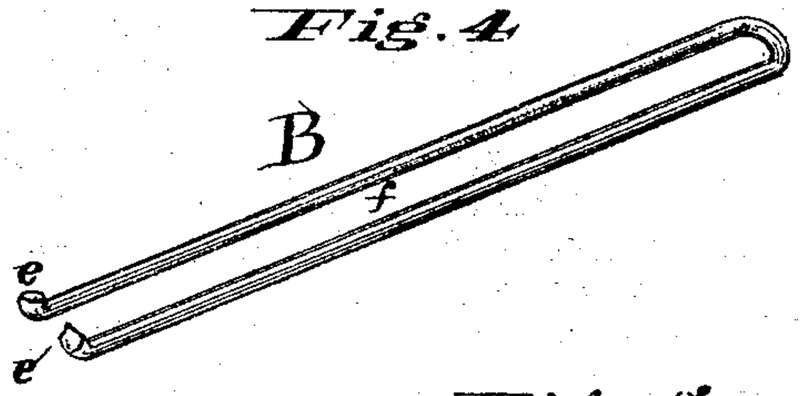


Fig. 5

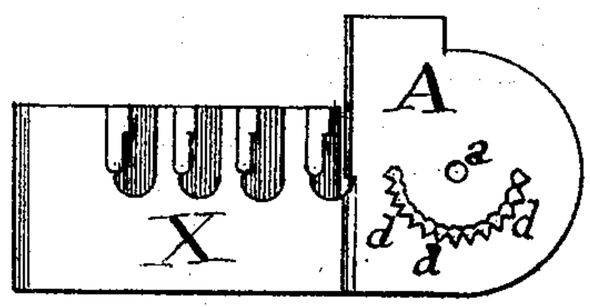


Fig. 2

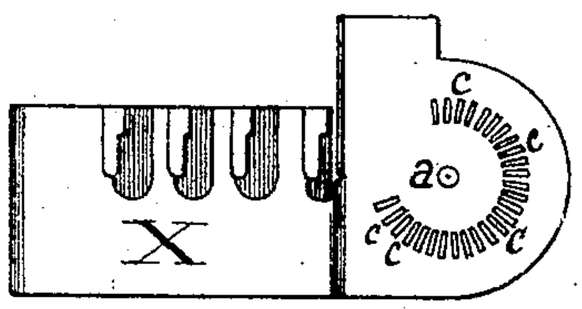
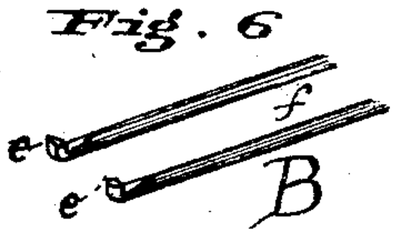


Fig. 6



Attest

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UNITED STATES PATENT OFFICE.

JOSEPH H. BEAN, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO WILLIAM H. FISHER, OF SAME PLACE.

IMPROVEMENT IN HOLDERS FOR SEWING-MACHINE ATTACHMENTS.

Specification forming part of Letters Patent No. **157,059**, dated November 24, 1874; application filed September 26, 1874.

To all whom it may concern:

Be it known that I, JOSEPH H. BEAN, a resident of the city of Cincinnati and State of Ohio, have invented certain new and useful Improvements in Universal Holdfasts for Sewing-Machines, of which the following is a specification:

My invention consists in a flat piece of metal, having a central hole or depression, and around this hole or depression a circular row of holes or depressions, this flat piece of metal being of one and the same piece as the attachment for which it serves as a holdfast, or of a separate piece, and connected or attached to the attachment in any suitable manner, and combined with a rod or wire, &c., so formed as to contain a slot for the reception of the holding-screw, and so bent at the ends that when one of the latter has entered the central hole or depression aforementioned the other end can be inserted in a hole or depression in the circular row.

By this device I obtain an exceedingly simple, cheap, and effective holdfast, capable of enabling the attachment to be adjusted to the set-screw and needle of any of the sewing-machines now in use.

In the accompanying drawing, Figures 1, 2, and 5 represent the lip or flat metal piece of my universal holdfast. In the holdfast, Fig. 1, the holes for the reception of the ends of the rod are circular. In the holdfast, Fig. 2, the central hole is round, and the holes or depressions of the circular row are slits. In the Fig. 5, the central hole is round, and the holes in the circular row are triangular, and, for convenience in manufacture, open into each other. Figs. 3, 4, and 6 each represent a rod, formed so as to contain a slot for the reception of the holding-screw. The ends of the rod in Fig. 3 are adapted to fit the holes in the attachment-lip, shown in Fig. 1. The ends of the rod in Fig. 4 are adapted to enter the hole and slits in the attachment-lip, shown in Fig. 2, and the ends of the rod in Fig. 6 are are bent over, forming nibs *e*, and adapted to fit the holes in the attachment-lip, shown in Fig. 5.

A designates a lip of any sewing-machine attachment, or a plate of flat metal employed as a lip. This plate and the attachment or a constituent part thereof consists of a single piece of metal. This plate, however, may consist of a piece of metal other than that or those of which the attachment is made. In the latter instance the plate is to be attached or coupled to the attachment in any preferable manner, the mode of its connection with the attachment being immaterial to the subject of this invention. In this plate A is a circular row of holes, *b*. In the center or point, where radiuses of equal lengths drawn from the holes in the circular row meet, is a hole, *a*. X represents a hemmer. In the present instance, this hemmer and plate A consist of one and the same piece of metal. B designates a rod or thin strip of metal, so formed by bending or stamping, &c., as to contain a slot, *f*, for the reception of the ordinary holding-screw of a sewing-machine. The ends of rod B are bent down, and shaped to fit the holes *a* and *b*. The holes or depressions in the circular row instead of being round, may be mere slits, as those designated in Fig. 2 by the letter C, in which case the ends of rod B will be shaped, as in Fig. 4, to fit therein.

In the plate A, shown in Fig. 5, the shape of the holes *d* in the circular row is triangular, the base of each triangle being on the inner side of said circular row, and the holes open into each other at each side near their bases. In this case, the ends of rod B will be shaped to fit the holes *a* and *d*. But the shape of the holes is not deemed a material part of the present invention.

To operate the holdfast, place the attachment in the desired position for operation in front of the presser-foot. Then hold down the attachment with one hand, and with the other place one end of rod B in the central hole *a* of plate A. Then move rod B over the table till its slot *f* is over the female screw of the holding-screw. Then pass the holding-screw through the slot *f* into its female screw. Place that end of the rod B, which is still at liberty, into that one of the holes of the circular row which is directly beneath it, and screw down the holding-screw.

What I claim as my invention, and desire to secure by Letters Patent, is—

The adjustable holdfast, substantially as described, consisting of the plate A, connected with or to a sewing-machine attachment, and provided with a central hole for the reception of one of the nibs of rod B, and with surrounding perforations or depressions for the reception of the other nib of rod B, in combination with the rod B, provided with nibs *e*, for insertion, as aforesaid, into the hole *a* and depressions or perforations of plate A, and forming the slot *f*, adapted to receive the machine set-screw, whereby the said rod and plate A are held in position, as and for the purposes set forth.

JOSEPH H. BEAN.

In presence of—
D. O. KENNEDY,
R. J. GANETTE.