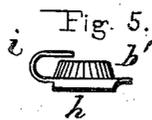
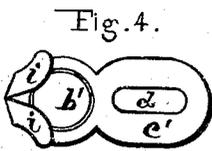
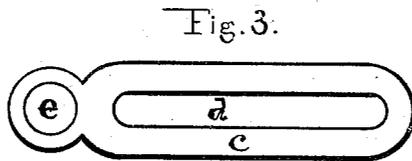
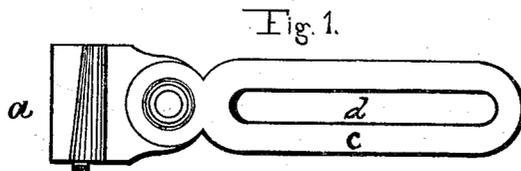


H. C. GOODRICH.

Hemmers and other Sewing-Machine Attachments.

No. 148,048.

Patented March 3, 1874.



WITNESSES:

C. A. West.
O. W. Bond -

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HARRY C. GOODRICH, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN HEMMERS AND OTHER SEWING-MACHINE ATTACHMENTS.

Specification forming part of Letters Patent No. 148,048, dated March 3, 1874; application filed January 15, 1874.

CASE B.

To all whom it may concern:

Be it known that I, HARRY C. GOODRICH, of the city of Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Hemmers and other Sewing-Machine Attachments, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view; Fig. 2, a side elevation of a hemmer, with its tapering stud; Fig. 3, a plan view of the holder. Figs. 4, 5, and 6 represent a variation, in which the stud is loosely connected with the holder, instead of being attached to the hemmer.

My invention consists in providing a hemmer or other attachment with a tapering stud, by means of which and a suitable holder such hemmer or attachment can be secured to, and adjusted upon, sewing-machines of different kinds, and be held in place by the pressure and friction of the holder upon the tapering stud, as more fully hereinafter set forth.

In the drawing, *a* represents a hemmer, having a plate extending out therefrom, provided with a tapering stud, *b*. *c* is the holder, provided with the usual slot *d*, through which passes the set-screw used in connecting it to the machine. At one end of this holder *c* is a hole, *e*, adapted to receive the tapering stud *b*. The walls of this hole *e* may be made tapering, to correspond with the stud, or may be straight. It should be a little smaller than the lower end of the stud, to allow the holder to be pressed down upon the stud.

In use, the hemmer or other attachment can be placed upon the machine in its proper position. The holder, being loosely placed upon the stud, can be turned so as to bring the slot

d over the hole for the set-screw, and by means of the set-screw the end of the holder over the stud can be pressed down upon the same, and will hold the hemmer in place much more securely than though the stud were straight, and the end of the holder rested upon the plate.

The stud can be most conveniently made by stamping it up from the sheet-metal plate of which the hemmer is made.

A series of hemmers of different sizes, each being provided with a proper stud or boss, can be used with a single holder.

Instead of making the stud a part of the hemmer or attachment, it may be loosely connected with the holder by means of the lips *i i*, or in some other similar manner, as represented in Figs. 4, 5, and 6, in which case the stud may be provided, upon the under side, with lips or grooves *h*, into which a tongue connected with the hemmer may be inserted.

I make no claim for these lips or grooves in this application, as the same are fully shown, described, and claimed in another application of even date herewith.

In Figs. 4, 5, and 6, *b'* represents the stud, and *c'* the holder, which are substantially the same as in the other figures.

What I claim as new is as follows:

The tapering stud *b*, in combination with a hemmer or other sewing-machine attachment, and the holder *c*, constructed as shown, and adapted to be locked by pressure, substantially as specified.

H. C. GOODRICH.

Witnesses:

E. A. WEST,
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