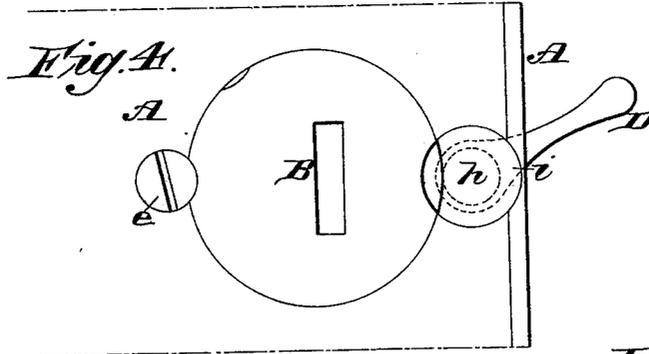
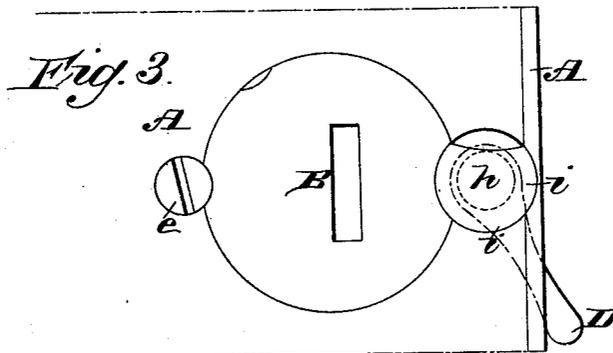
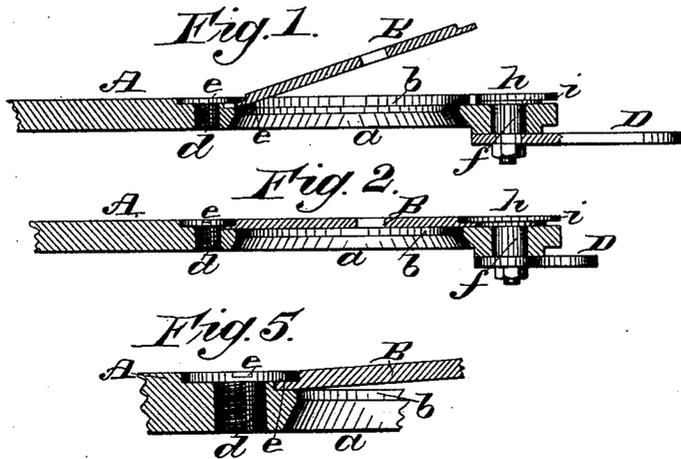


G. REHFUSS.

Sewing Machine Work Plate.

No. 91,484.

Patented June 15, 1869.



Witnesses:
Wm. A. Steel.
John Parker

Inventor:
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United States Patent Office.

GEORGE REHFUSS, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE AMERICAN
BUTTON-HOLE OVER-SEAMING AND SEWING-MACHINE COMPANY, OF SAME PLACE.

Letters Patent No. 91,484, dated June 15, 1869.

IMPROVEMENT IN SEWING-MACHINE WORK-PLATE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE REHFUSS, of Philadelphia, Pennsylvania, have invented an improved Work-Plate for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention consists in so attaching the circular detachable work-plate to the permanent work-plate of a sewing-machine, as fully described hereafter, that the upper surfaces of the two plates, as well as of the fastening-devices, shall be in the same plane, there being, consequently, no impediment to the free movement of the fabric over the whole, while every facility is afforded for gaining access to the shuttle beneath the detachable plate, all of which is fully described hereafter.

In order to enable others to make and use my invention, I will now proceed to describe the mode of constructing and applying the same, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figures 1 and 2 are sectional views of my improved work-plate for sewing-machines;

Figures 3 and 4, plan views; and

Figure 5, a detached view, drawn to an enlarged scale.

A represents part of the permanent work-plate of a sewing-machine, and in the plate is a circular opening, *a*, in which is formed an annular ledge, *b*, for receiving the disk or detachable plate B, the latter fitting snugly in the said circular opening, and having its upper surface in the same plane with that of the permanent plate A.

Into this plate a set-screw, *d*, is so introduced that its flat head *e* overlaps the edge of the plate B, which is recessed to receive it, the head being sunk in the middle plate A, but being thinner than the plate B, so that on the latter is formed a lip, *e'*, on which a portion of the head *e* bears.

It will be observed, on referring to fig. 5 that this lip *e'* is bent at a slight angle, so that when the lip is inserted beneath the head of the screw *d*, the said plate shall have a slight tendency to spring upwards at its front end, but not sufficient to prevent its being readily depressed to a horizontal position.

A pin, *f*, is so fitted to the plate A, near the front of the same, as to turn freely therein, the pin being

held in its place above by the flat head *h*, which fits in a circular recess in the plate A, and below by a small lever, D, which is secured to the said pin *f* by a nut or otherwise.

This pin is so situated that the rim *i* of its head *h* can overlap the plate B to a limited extent, a segmental recess being made in the said plate, for the reception of a portion of the head, the upper surface of which is in the same plane with that of the plates A and B.

A segmental portion is cut from the edge of the head *h*, so that when the latter is turned to the position shown in fig. 4, the plate B is free from the head, and will, owing to the slight bend which is given to its lip *e'*, spring upwards, so as to elevate its front edge, as shown in fig. 5, after which the said plate can be detached by pulling it outwards free of the head of the screw *e*. (See fig. 1.)

The plate can be as readily replaced, and can be confined, when depressed to its proper position, by simply turning the pin *f* so that its head occupies the position shown in fig. 3.

It will be seen that as the upper surface of the plate B is on the same plane with that of the plate A, screw-head *e*, and plate *h* of the pin *f*, there can be no impediment to the free movement of the fabric over the whole, while every facility is afforded for gaining access to the shuttle beneath the plate B.

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

1. The detachable work-plate B, having two lips, one catching beneath a projection on the base-plate of the machine, and the other adapted to a projection on a pin, *f*, turning in the base-plate, and provided at the lower end with a handle or its equivalent, substantially as and for the purpose described.

2. The plate B, with its lip *e'*, bent and adapted to a projection on the base-plate, for the purpose specified.

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

GEO. REHFUSS.

Witnesses:

JOHN WHITE,
HARRY SMITH.