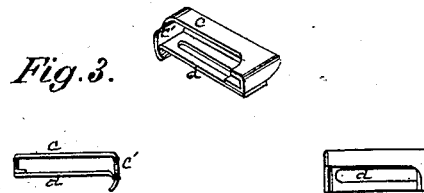
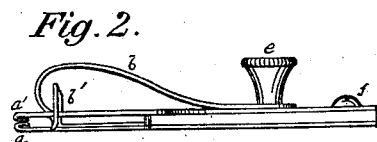
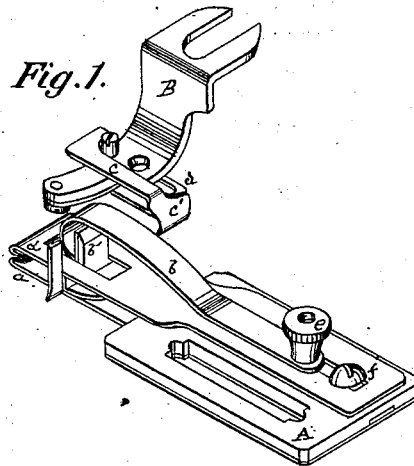


W. N. MARTIN.

Binding Attachment for Sewing Machines.

No. 109,366.

Patented Nov. 15, 1870.



Witnesses:

Honn. Rauten
Fred. Astor

Inventor:

Wm Nelson Martin.

By his Attorneys

A. H. Evans

United States Patent Office.

WILLIAM NELSON MARTIN, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 109,366, dated November 15, 1870.

IMPROVEMENT IN BINDING-ATTACHMENTS FOR SEWING-MACHINES.

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, WILLIAM NELSON MARTIN, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Binders for Sewing-Machines, of which the following is a clear, full, and exact description, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a perspective view of my binder with the presser-foot in position.

Figure 2 is a side view of a portion of my binder separated from the improvement attached to the presser-foot.

Figure 3 is a view of the binder-slide and spring, detached from the presser-foot and in three positions.

Figure 4 is a side view of the presser-foot, showing the groove in which the binder-slide moves, and under plate which holds the slide in place.

My invention relates to a binding-attachment for sewing-machines, and consists chiefly in a hooked spring, which I attach to the presser-foot, and which holds the binding tightly to the edge of the cloth, allowing it no possible chance to get out of place, and holds it just as laid on until the stitching is done and the binding completed.

To enable others skilled in the art to make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the drawing—

A represents the plate of an ordinary binder, and $a\ a'$ the arms.

The guide b regulates the slide b' , and is itself adjustable by means of the thumb-screw e .

The upper arm a' is also adjustable by means of the screw f .

The lower arm a is stationary.

B is an ordinary presser-foot, with the groove m in the lower side, in which moves the slotted slide d , to which is attached the spring c , with its curved end c' fitting snugly over the curved end of the slide d .

These curved ends catch the binding as it passes from the arms of the binder, and bear it up smoothly and tightly against the edge of the goods, giving it the desired shape and fitting it to the rounded edges of the work.

The spring c is securely attached at its left or outer end to the slide d , and, by its perpendicular motion, is adjustable to any thickness of cloth or binding passing under the presser-foot.

Having thus described my invention,

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

1. The combination of the arms $a\ a'$, guide b , slide b' , with the presser-foot and its slide d , and hooked spring c , all constructed as and for the purpose set forth.

2. The hooked spring c and slide d , in combination with, and adjustable on, the presser-foot, as and for the purpose described.

WILLIAM NELSON MARTIN.

Witnesses:

G. W. WAITE,

I. M. MARTIN.