

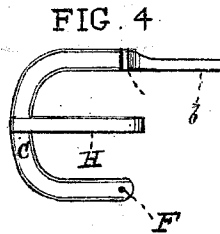
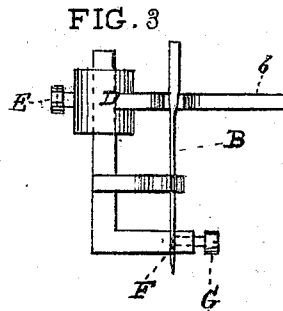
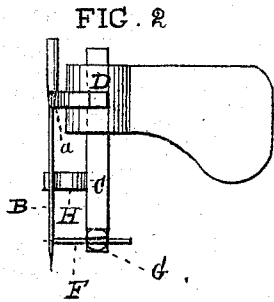
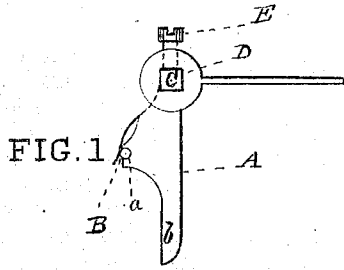
(134.)

WILLIAM RAEUCHLE.

Improvement in Needle Setters for Sewing Machines.

No 122,490.

Patented Jan. 2, 1872.



WITNESSES.

Thomas J. Dewley
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UNITED STATES PATENT OFFICE.

WILLIAM RAEUCHLE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN NEEDLE-SETTERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 122,490, dated January 2, 1872.

Specification describing certain Improvements in Needle-Setters for Sewing-Machines, invented by WILLIAM RAEUCHLE, of the city of Philadelphia and State of Pennsylvania.

My invention relates to needle-setters for sewing-machines; and consists in providing their gauge-bars with a projection so shaped and arranged that when it is brought against the pressure-bar the eye of the needle shall have its proper range in the machine.

Figure 1 is a plan view of my improved device. Figs. 2 and 3 are elevations of the same at right angles to each other. Fig. 4 is an elevation of the device, of modified construction. Fig. 5 is an edge view of the same from beneath.

Like letters in all the figures indicate the same parts.

A, Figs. 1, 2, and 3, represents a gauge-bar, which has a notch, *a*, in which the upper part of the shank of the needle B is placed. C is a bent bar, whose vertical part is adjustable in the socket D of the bar A, and fastened by means of the screw E. In the horizontal part of the said bar C is a pointed wire, F, which is to enter the eye of the needle B. The wire is adjustable, and is held in position by means of the tightening-screw G in the projecting end

of the bar. H is a spring, whose heel is fast to the bar. The resilient part bears against the needle to hold it in its position until it is brought into connection with the sewing-machine. Then the spring is borne off the needle and the setter device withdrawn therefrom. The bar A has a projection *b*, which, when brought against the pressure-bar, brings the eye of the needle in its proper range with the machine.

Figs. 4 and 5 show a device adapted to any one kind of machine, the gauge-bar being bent to hold the pointed wire F, and the wire being arranged the proper vertical distance from the upper side of the bar to project the upper end of the needle just far enough for connection with the needle-bar.

I claim as my invention—

The needle-setter herein described, having its gauge-bar provided with the projection *b*, arranged as described for setting the eye of the needle in its proper range with the machine, as above set forth.

WILLIAM RAEUCHLE.

Witnesses:

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