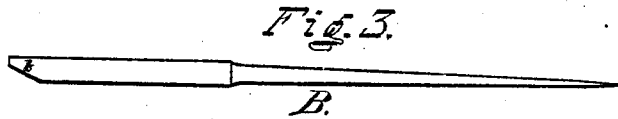
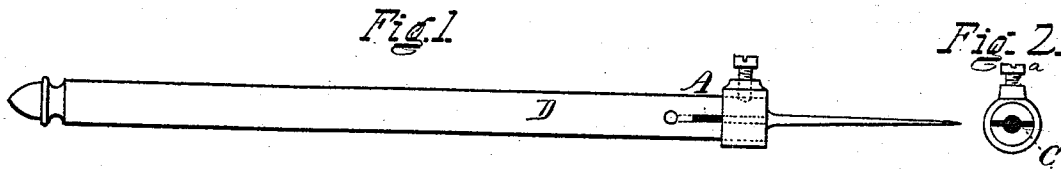


A. W. MATHUES.

Improvement in Sewing Machine Needle and its
Carrying Bar.

No. 123,576.

Patented Feb. 13, 1872.



Witnesses.
Lloyd J. Bell
Mr. McCreter

Inventor.
Andrew W. Mathues
per Edw. W. Down

UNITED STATES PATENT OFFICE.

ANDREW W. MATHUES, OF MEDIA, PENNSYLVANIA.

IMPROVEMENT IN SEWING-MACHINE NEEDLES AND THEIR CARRYING-BARS.

Specification forming part of Letters Patent No. 123,576, dated February 13, 1872.

I, ANDREW W. MATHUES, of the borough of Media, county of Delaware and State of Pennsylvania, have invented certain Improvements in Sewing-Machine Needle-Bars, of which the following is a specification:

SPECIFICATION.

The object of my invention is to set the needle properly in its bar, and as hereinafter described.

C is the axial hole in the needle-bar D, in which the needle B is secured by a set-screw, *a*, or otherwise. Near the upper end of this hole I drill a hole to intersect it, and in such hole I place a pin, A, that partially obstructs the hole C.

Figure 1 represents the needle and its bar; Fig. 2, an end view of the bar; and Fig. 3, a view of the needle.

I cut off obliquely the upper end of the needle-shank B and round the edges, as at *b*. The

shank is cut in a direction so that, when the needle is inserted and the beveled part strikes against and partly passes the pin, the long groove of the needle will come in proper sewing position. By rounding the edges, as at *b*, I am enabled to turn the needle slightly on its axis, as is sometimes necessary in order to allow the loop to bulge properly out from the opening in the shuttle-race face.

Claim.

I claim as my invention—

The combination, with the needle-bar having a transverse pin in the needle-receiving orifice, of a needle having the upper part of its shank obliquely cut and rounded, all substantially as and for the purpose set forth.

ANDREW W. MATHUES.

Witnesses:

O. FLAGG BULLARD,
A. P. OTTEY.