

W. ROSS.  
Crochet-Needle.

No. 215,979.

Patented May 27, 1879.

FIG. I.



FIG. II.



— WITNESSES —

D. P. Cowl

L. Bacon

— INVENTOR —

William Ross,  
by Chas. W. J. Howard  
Attorney.

# UNITED STATES PATENT OFFICE.

WILLIAM ROSS, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF HIS  
RIGHT TO GEORGE P. SPAMER, OF SAME PLACE.

## IMPROVEMENT IN CROCHET-NEEDLES.

Specification forming part of Letters Patent No. **215,979**, dated May 27, 1879; application filed  
September 26, 1878.

*To all whom it may concern:*

Be it known that I, WILLIAM ROSS, of the city of Baltimore and State of Maryland, have invented certain Improvements in Crochet-Needles, of which the following is a specification; and I do hereby declare that in the same is contained a full, clear, and exact description of my said invention, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to certain improvements in the method of providing crochet-needles with handles, or of attaching the handle of a crochet-needle to the stem; and it consists of a crochet-needle having a tempered hooked stem provided with a handle formed by casting a readily-fusible metal on one end of said stem, as will be hereinafter more fully set forth, and pointed out in the claim.

In the description of the invention which follows, reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure 1 is a partially-sectional view of a single crochet-needle made in accordance with the present improvements, and Fig. 2 a similar view of a double needle of a like construction.

Similar letters of reference indicate similar parts of the invention in both views.

A represents the needle stem or shank, and B the handle. The handle, which is made from some metal easily fused, is formed by placing the stem in a mold and pouring the fused metal around it.

In Fig. 1 the handle is formed at the end of the stem. In Fig. 2 the handle serves to unite two needles, which may be either of the same size or of different sizes, as required. The metal of the handle, being soft, admits of figures being stamped thereon to designate the size of the wire forming the stem.

One special advantage in constructing crochet-needles as herein described consists in the fact that the stem may be formed of tempered steel of a uniform thickness or gage, and the needles finished without the temper being affected.

In wholly metallic needles heretofore constructed, the handle has invariably been of the same metal as the stem, and where steel was used the stems, after being reduced to the required size, had to be tempered before the needles were fit for use.

By casting a very fusible metal around an end of the tempered stem to form the handle two results are attained, the first being that the temper of the stem is not affected by the low temperature requisite to fuse the metal and form a handle; and, secondly, the soft metal forming the handle can more readily be impressed with the numbers of the needles than when a hard metal is employed.

I am aware that a solid metal handle has heretofore been cast upon the tang of a knife-blade, and I therefore lay no claim to such invention, nor, broadly, to casting one metal around another.

Having thus described my invention, what I claim as new, and wish to secure by Letters Patent of the United States, is—

The crochet-needle herein described, consisting of the tempered hooked stem A, provided with the handle B, formed by casting a readily-fusible metal on one end of said stem, substantially as described, and for the purpose set forth.

WILLIAM ROSS.

Witnesses:

WM. T. HOWARD,  
THOS. MURDOCH.