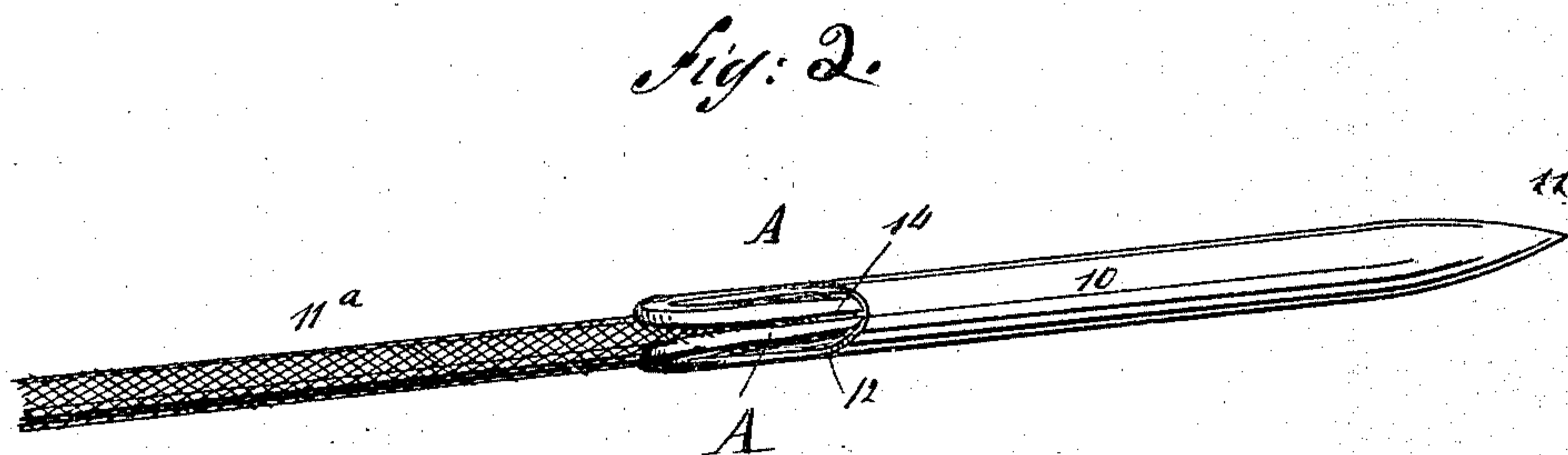
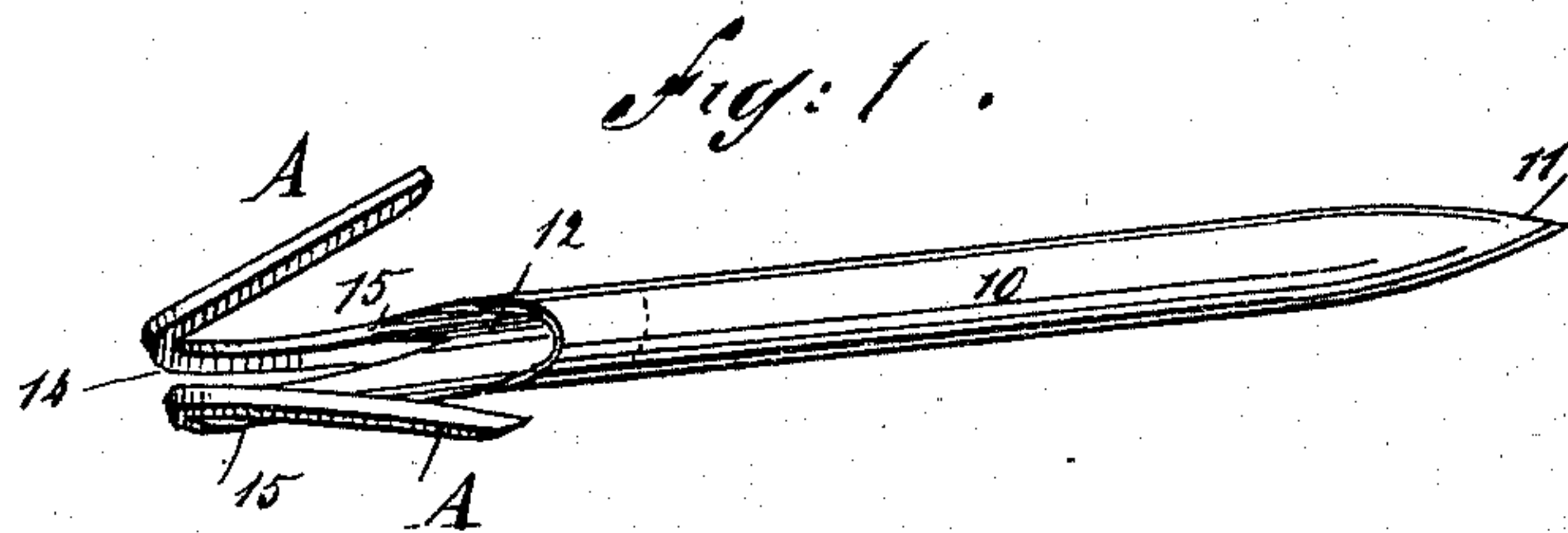


(No Model.)

A. MANDEL.  
BUTTON SEWING NEEDLE.

No. 413,405.

Patented Oct. 22, 1889.



WITNESSES:

*Chas. Viala*  
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BY

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# UNITED STATES PATENT OFFICE.

ADOLF MANDEL, OF NEW YORK, N. Y.

## BUTTON-SEWING NEEDLE.

SPECIFICATION forming part of Letters Patent No. 413,405, dated October 22, 1889.

Application filed July 12, 1889. Serial No. 317,303. (No model.)

*To all whom it may concern:*

Be it known that I, ADOLF MANDEL, of New York city, in the county and State of New York, have invented a new and useful Improvement in Button-Sewing Needles, of which the following is a full, clear, and exact description.

My invention relates to that class of needles employed to attach buttons to shoes, and has for its object to so construct the shank of the needle that the cord adapted to serve as the thread may be expeditiously and firmly secured thereto and an essentially smooth longitudinal surface be maintained from the shank to the point.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully described, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters and figures of reference indicate corresponding parts in both the views.

Figure 1 is a perspective view of the needle detached from the cord, and Fig. 2 is a similar view illustrating the cord clamped to the needle.

The needle 10 consists of a solid piece of metal, of any suitable or approved construction, having a point 11 at one end and a longitudinal groove 12 produced in the opposite or shank end, and the groove is graduated in depth from the inner to the outer end, whereby

the outer end of the needle-shank is comparatively thin, and a longitudinal slot 14 is produced in the bottom of the groove, and the members 15 thus formed are forced apart slightly, as illustrated in Fig. 1, and bent upon themselves in the direction of the point of the needle to form a hook-like extremity A to the shank.

To secure the cord in the needle, one end of the cord is placed in the groove 12, the body of the cord being made to pass upward between the hooks over the slot 14. By one operation of any suitable mechanism the hook-like extremities of the shank of the needle are carried inward toward one another until they are both located at or near the longitudinal center of the groove 12, and are then pressed downward to a secure frictional contact with the body of the cord, longitudinally of the same, as illustrated in Fig. 2.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

As an improved article of manufacture, a button-sewing needle having a longitudinally-reduced butt 12, slotted, as at 14, and forming the two members 15, said members being bent back upon themselves toward the point of the needle to form the hook-like extremities A A, substantially as set forth.

ADOLF MANDEL.

Witnesses:

HERRIS FLAURY,  
FANNY MANDEL.