

No. 683,655.

Patented Oct. 1, 1901.

N. MERSCH.  
NEEDLE.

(Application filed June 8, 1901.)

(No Model.)

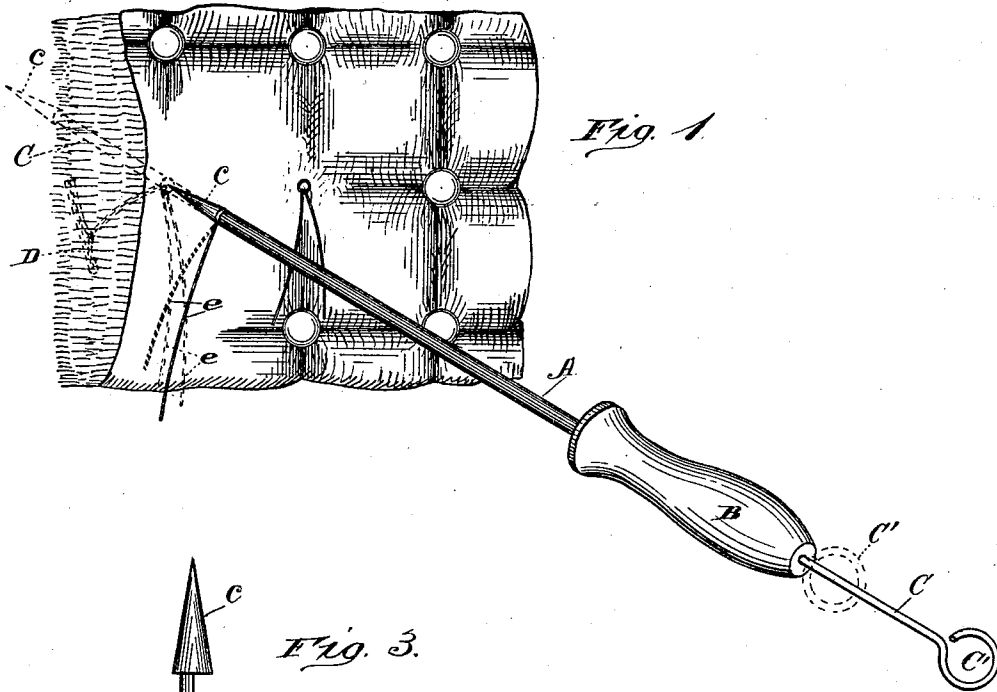


Fig. 1.

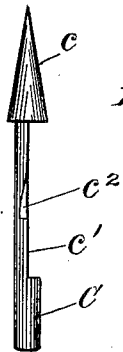


Fig. 3.

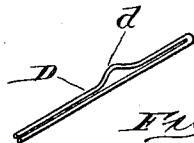


Fig. 5.

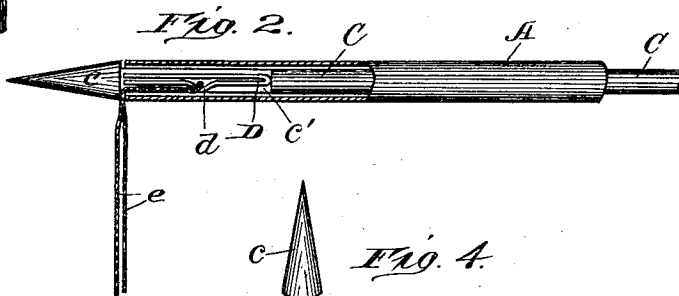


Fig. 2.

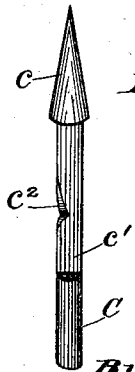


Fig. 4.

Witnesses:

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# UNITED STATES PATENT OFFICE.

NICHOLAS MERSCH, OF CHICAGO, ILLINOIS.

## NEEDLE.

SPECIFICATION forming part of Letters Patent No. 683,655, dated October 1, 1901.

Application filed June 8, 1901. Serial No. 63,678. (No model.)

*To all whom it may concern:*

Be it known that I, NICHOLAS MERSCH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Tufting-Needles, of which the following is a specification.

This invention relates to improvements in that class of needles used by upholsterers for tufting cushions and other padded articles, and for securing thereto the tufts or buttons; and it consists in certain peculiarities of the construction, novel arrangement, and operation of the parts thereof, as will be hereinafter more fully set forth and specifically claimed.

The principle object of my invention is to provide a needle of the above-named character which shall be simple and inexpensive in construction, strong, durable, and effective in operation, and which shall be so made as to hold and carry into or through the cushion a fastener to which the thread or cord is secured, and when so carried into or through the cushion the said fastener may be released from the needle and the latter withdrawn.

In order to enable others skilled in the art to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a perspective view of a needle embodying my invention and a portion of a cushion in the act of being tufted by the use of the needle. Fig. 2 is a view, partly in elevation and partly in section, of the front end of the needle, showing the fastener and thread in position ready to be inserted into the cushion. Fig. 3 is a fragmental view in elevation of the front end of the spindle. Fig. 4 is a similar view of a like part, but looking in another direction; and Fig. 5 is a detached perspective view of one of the fasteners used in connection with the needle.

Similar letters refer to like parts throughout the different views of the drawings.

A represents a tube which has at one of its ends a handle B, which is hollow. Passing through the handle B and tube A is a spindle

C, the front end of which is formed with a pointed head *c*, the butt or base of which is of about the same size as the tube A, against the front end of which the said head normally rests. Extending from the base or enlarged part of the head *c* rearwardly in the spindle C is a recess *c'* for the reception of one of the fasteners D, which fastener is provided with an eye *d* to receive the cord or thread *e*, as is clearly shown in Fig. 2 of the drawings. One edge of the recessed portion of the spindle C is provided with a notch or recess *c''*, which is for the reception of a portion of the thread or cord. The rear end of the spindle C is provided with a ring C', in which one of the fingers of the operator may be inserted when using the needle.

The operation is as follows: A string or cord *e* is passed through the eye *d* of one of the fasteners D, which is placed in the recess *c'*, so that the eye *d* will rest alongside the notch *c''*, which notch will receive the looped portion of the string or cord. By drawing the spindle rearwardly until the base or enlarged portion of the head *c* approaches the front end of the tube it is apparent that the fastener D will be inclosed by the tube and that the needle may be inserted into or through the cushion, when by advancing the spindle through the hollow handle and tube the fastener will be released and left within the cushion, as shown by dotted lines in Fig. 1 of the drawings, after which the needle may be withdrawn and the tufting-buttons secured in place.

A needle of the above-described construction is especially adapted for tufting the sides and backs of carriages and buggies or other cushions which are secured to frames, which will prevent passing an ordinary needle through the same.

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

1. A tufting-needle comprising a hollow tube, and a spindle longer than the tube and passing therethrough and provided at its front end with a pointed head and at the rear of said head with a longitudinal recess and having on its rear end a finger-hold, the head of

said spindle being about the same size as the tube through which it passes, substantially as described.

5 2. A tufting-needle comprising a tube, having at one of its ends a hollow handle, and a spindle passing through said handle and tube and having at its front end a pointed head and

at the rear thereof a longitudinal recess and a lateral notch, substantially as described.

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