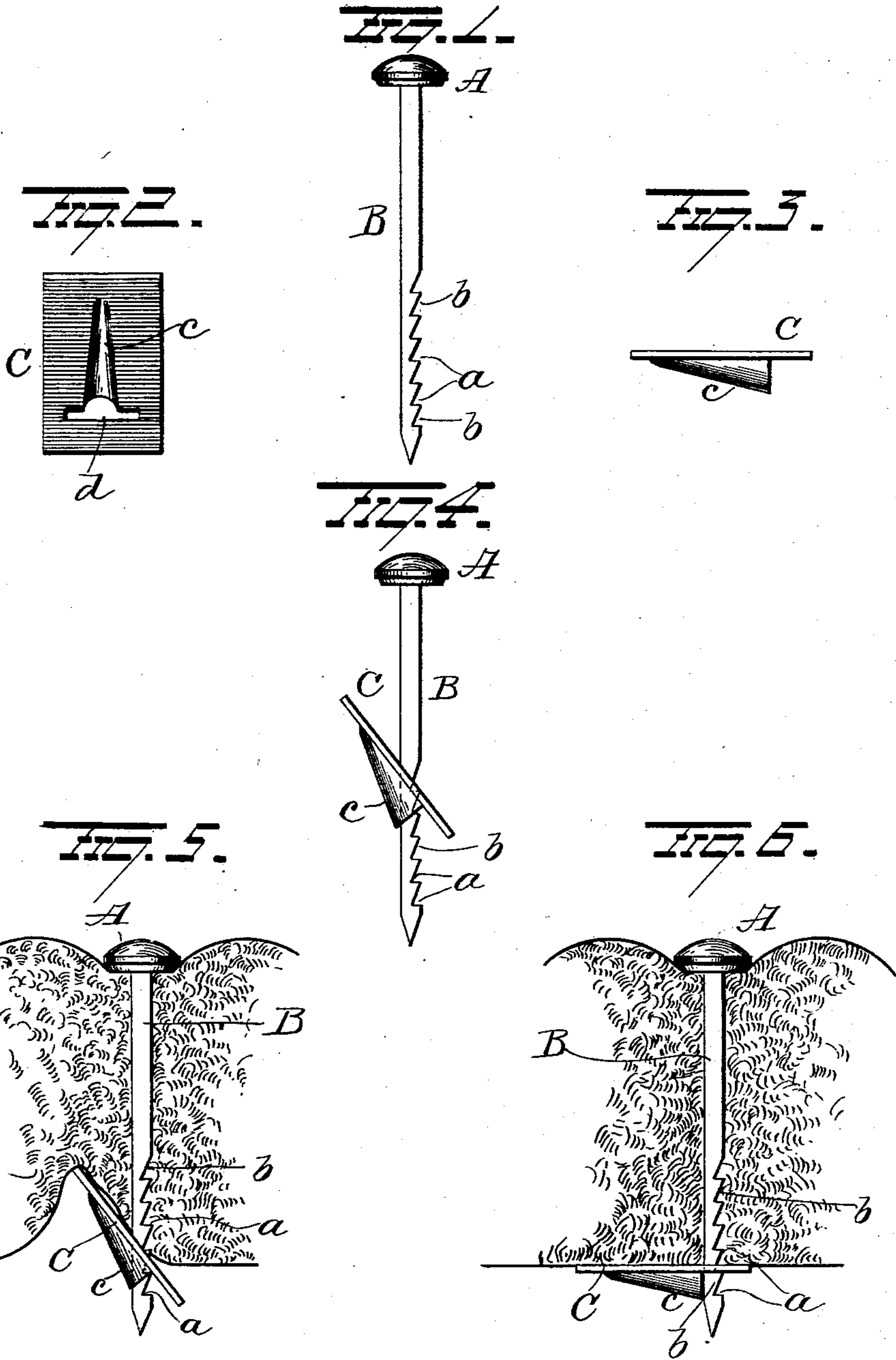


(No Model.)

J. M. BOLTON & G. H. HOWELL.
UPHOLSTERING PIN.

No. 570,838.

Patented Nov. 3, 1896.



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UPHOLSTERING-PIN.

SPECIFICATION forming part of Letters Patent No. 570,838, dated November 3, 1896.

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To all whom it may concern:

Be it known that we, JAMES M. BOLTON and GEORGE H. HOWELL, citizens of the United States, residing at Sioux City, in the county of Woodbury and State of Iowa, have invented a certain new and useful Improvement in Upholstering Appliances known as an Upholstering-Pin; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form a part of this specification.

Heretofore in the manufacture of tufted upholstery-work a long needle, pointed at both ends, bearing a stout thread or cord, has to be passed down through the padded material, then brought back, close by the first insertion, to form the loops of the thread. Then a button with a shank-eye has to be threaded onto the string, a knot put in the thread or cord behind the button, and the tufted work drawn together by the knotted thread until the button is buried in the tuft of the goods. Then a final knot is placed in the thread behind the eye of the button to complete the fastening. Up to the present time this has been the only means of tufting upholstered furniture. The method is tedious and expensive because high-priced labor is required. It is not satisfactory because it soon cuts the thread and the tuft is loosened.

The object of our invention is to obviate these objections; and the invention consists in certain novel features of construction and combinations of parts, which will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of the pin. Fig. 2 is a view of the lock-plate. Fig. 3 is an edge view of this plate. Fig. 4 is a view showing the pin and plate together. Fig. 5 is a similar view showing the pin and lock-plate in the first position assumed by the plate in the act of tufting, and Fig. 6 is a similar view after the plate has been moved to its normal position.

A represents the head, and B the shank, of the pin. The pin has a pointed end, prefer-

ably so as to find its own way through the material, and on one edge it is provided with notches *a a*, the outer edges *b* of which preferably incline and the upper or inner edges of which extend out straight or at about an angle of ninety degrees from the central longitudinal axis of the shank.

C is the lock-plate. This is furnished with the crimped or offset part *c*, which extends in one direction of the plate, say longitudinally thereof, and the slot *d*, which may extend transversely thereof, although it is not necessary that this transverse slot should be as long as shown.

The crimped or offset portion *c* extends out at an angle to the lock-plate, and it constitutes a guide for the pin to direct it to the slot or opening *d*.

In applying the improved pin it is made to penetrate the upholstering material. The lock-plate is then applied substantially as shown in Fig. 5, its position being about at an angle of forty-five degrees to the pin. When pushed on as far as possible or desired, the plate is swung to the position shown in Fig. 6 at substantially right angles to the shank of the pin, the upholstering material expanding and holding it in position, where the plate is virtually locked in place by the material and the material is also locked by it, and in this position it will be seen that the end of the offset acts as a shoulder to abut against the shank of the pin.

A device of this construction is easily and quickly applied and is most effectual in performing the function designed for it.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination with a pin, of a plate having an opening therein which receives the pin diagonally and is locked to the pin when disposed at or approximately at right angles thereto, substantially as set forth.

2. The combination with a pin having notches on its shank, of a lock-plate having an opening therein adapted to receive the pin and an edge thereof to enter a notch and an offset adapted to engage the pin at a point

opposite to hold the lock-plate in a position approximately at right angles to the shank of the pin, substantially as set forth.

3. The combination with a pin the shank
5 of which has notches formed therein, of a lock-plate having a slot therein and an inclining offset leading to the slot, one edge thereof adapted to abut against the shank at

a point opposite the teeth, substantially as set forth.

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