

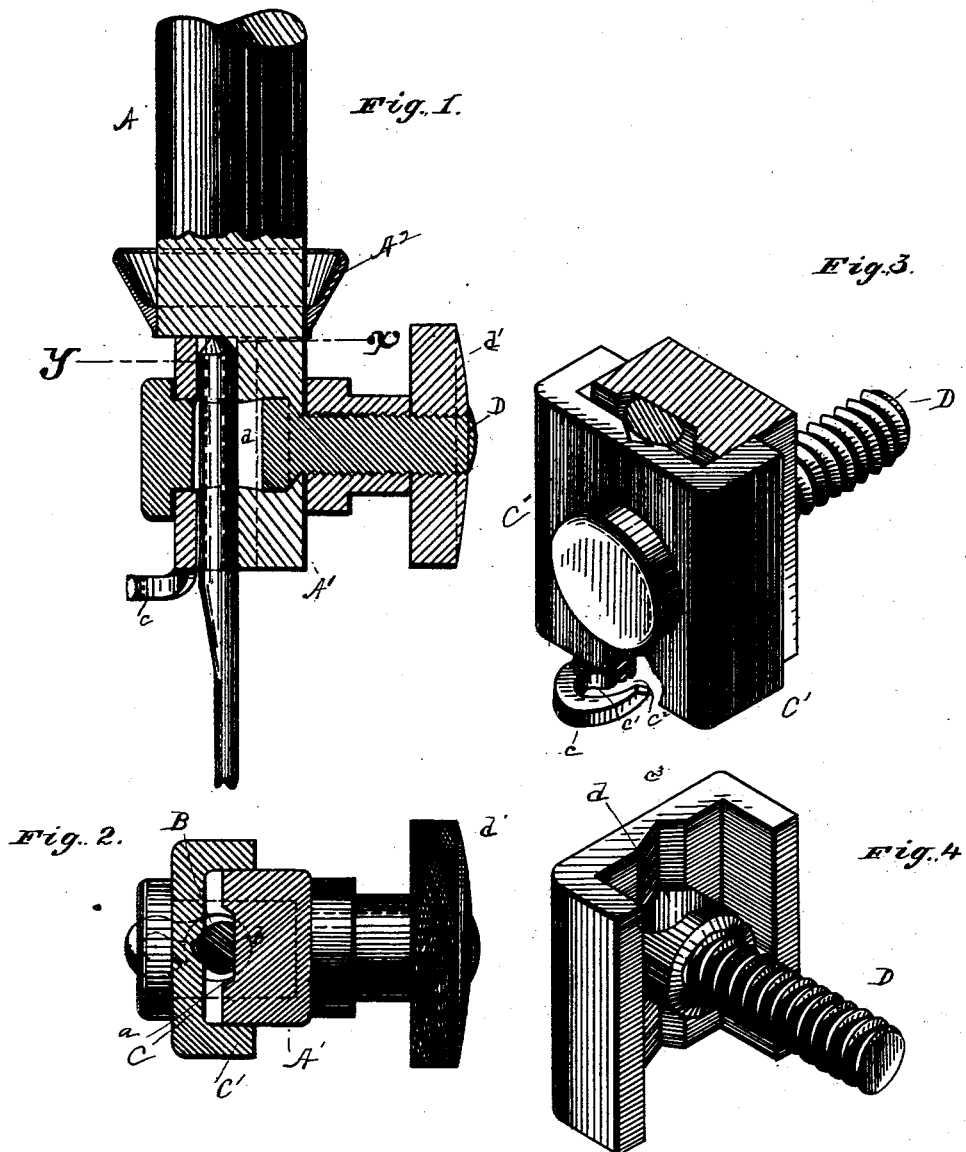
(No Model.)

G. W. BAKER.

CLAMP FOR SEWING MACHINE NEEDLES.

No. 423,113.

Patented Mar. 11, 1890.



Witnesses  
W. R. Edilen  
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Inventor  
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Att'ys

# UNITED STATES PATENT OFFICE.

GEORGE W. BAKER, OF CLEVELAND, OHIO, ASSIGNOR TO THE WHITE SEWING MACHINE COMPANY, OF SAME PLACE.

## CLAMP FOR SEWING-MACHINE NEEDLES.

SPECIFICATION forming part of Letters Patent No. 423,113, dated March 11, 1890.

Application filed September 3, 1889. Serial No. 322,868. (No model.)

### *To all whom it may concern:*

Be it known that I, GEORGE W. BAKER, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Clamps for Sewing-Machine Needles; and I 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 the same.

My invention relates to improvements in clamps for sewing-machine needles; and it consists in certain features of construction and in combination of parts, hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation partly in section. Fig. 2 is a horizontal section on line *y y*, Fig. 1. Figs. 3 and 4 are views in perspective.

The drawings are much exaggerated in size, so as to show the device more clearly.

A represents the needle-bar, the lower end of the same having been compressed in dies to form the rectangular head A'. The face of head A' has a depressed seat *a*, this seat having a vertical face for engaging the flattened section *b* of the needle-head B.

C is a cap, usually pressed from plate-steel, the cap having flanges C' embracing the edges of head A'. The extreme lower end of the cap is flanged outward to form a lip *c*. A hole *c'* is punched or drilled in the lip, and the latter is severed on one side, as shown at *c''*, this perforated severed ear constituting a loop for the thread. The cap on the inner face thereof is provided with a vertical-shaped groove *c'''* for receiving the rounded section of the needle-head. The cap and head A' are pierced laterally for receiving bolt D, the head of the bolt being located, as shown, on the front side of the cap. The shank of bolt D is of considerable size to admit of hole *d* being made large enough to clear the head of the needle. The bolt is provided with thumb-nut *d'* for

tightening the clamp. An oil-cup A<sup>2</sup> is pressed onto the needle-bar; but this device has heretofore been in common use. With the clamp loosened the needle-head is inserted with the flattened side thereof bearing against seat *a*. On tightening the clamp by means of a thumb-nut the engagement of the walls of the V-shaped groove of the cap with the rounded section of the needle-head brings the needle in accurate adjustment without any skill or care on the part of the operator, and the clamp having been tightened the needle is rigidly held in place.

What I claim is—

1. In a needle-clamp for sewing-machines, the combination of a needle-bar head having a vertical recess to engage the flattened section of the needle-head, a cap having flanges to embrace the needle-bar head and provided with a groove to receive the rounded portion of the needle-head, a bolt passing through the needle-head and the cap and having an elongated perforation for the reception of the needle, and a thread-loop at the lower extremity of the cap projecting laterally from the needle, substantially as set forth.

2. In a needle-clamp for sewing-machines, the combination, with the needle-bar head and a cap having flanges to embrace the opposite side edges of same, said parts being provided with aligned perforations, of a headed bolt passing through said perforations and having a threaded portion, the shank of the bolt being enlarged and provided with an elongated perforation for the accommodation of the needle, and a thumb-nut on said bolt, substantially as set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 15th day of June, 1889.

GEORGE W. BAKER.

Witnesses:

CHAS. H. DORER,  
ALBERT E. LYNCH.