

T. A. MACAULAY.
Needle Holder for Sewing Machines.

No. 93,460.

Patented Aug. 10, 1869.

FIG. 1.

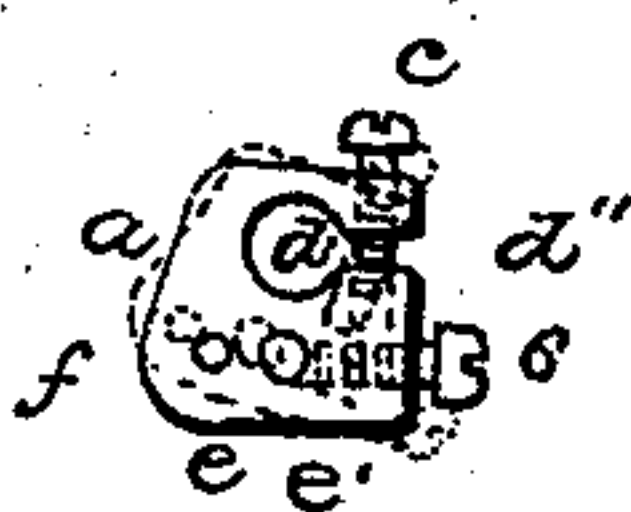


FIG. 2.

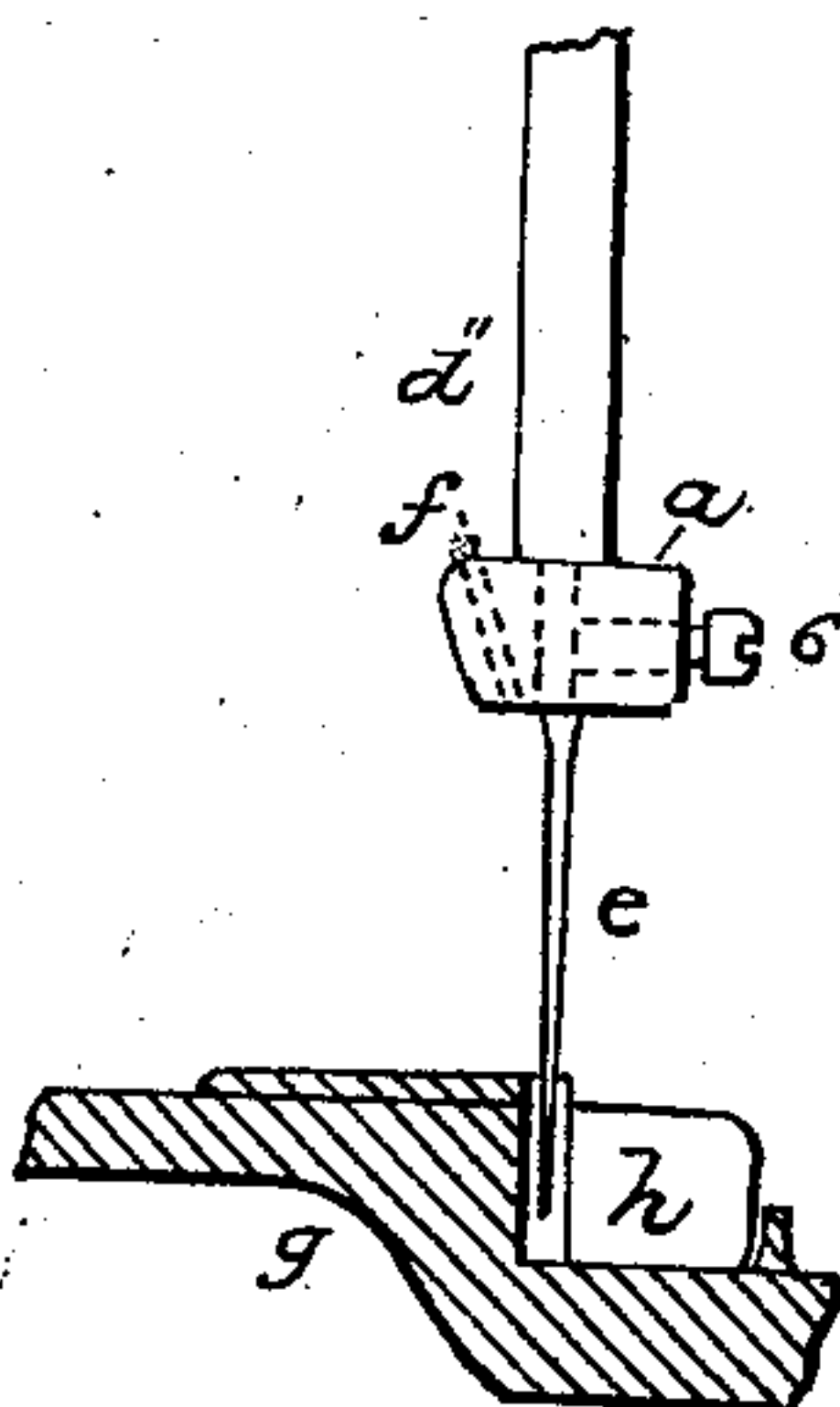


FIG. 3.

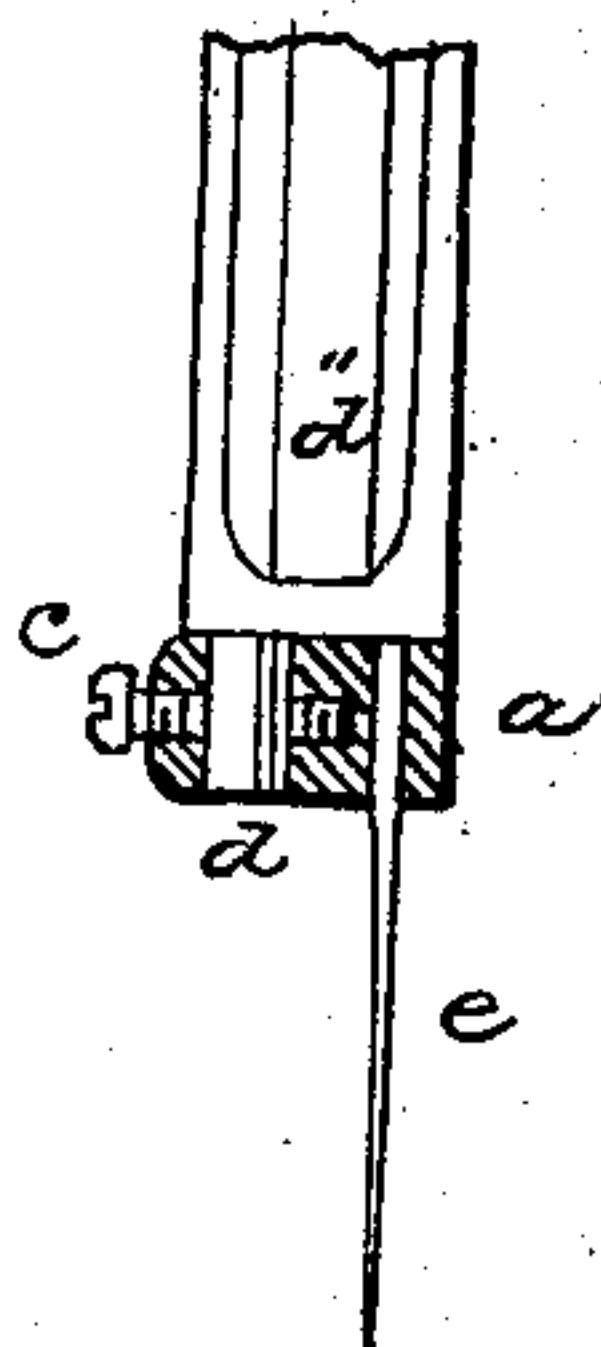
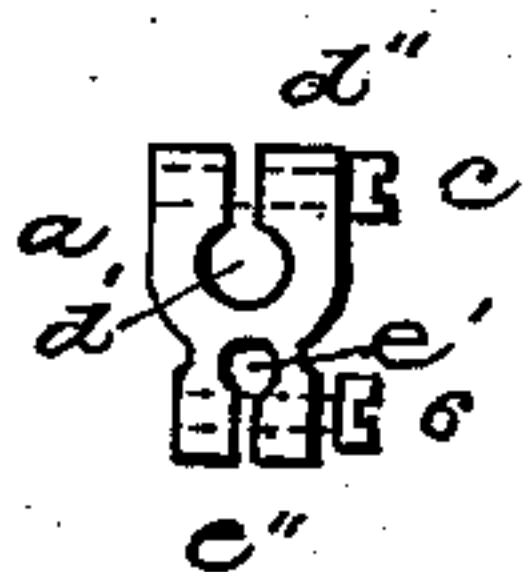


FIG. 4.



WITNESSES:

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IMPROVEMENT IN NEEDLE-HOLDING BLOCKS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 93,460, dated August 10, 1869.

To all whom it may concern:

Be it known that I, T. A. MACAULAY, of the town of Northampton, county of Hampshire, and State of Massachusetts, have invented a new and Improved Needle-Adjuster for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The nature of my invention relates to an improved manner of adjusting the needle in a sewing-machine, so as to bring it toward the shuttle or hook, as the case may require, and is accomplished by making a stem on the end of the needle-bar and mounting thereon an adjustable block having a clamping-screw, by which it is to be secured when in position.

Figure 1 is a horizontal view of the adjustable block *a*, showing the hole *d'*, through which the stem of the needle-bar passes, the slot *d³* and screw *c*, which, by closing the slot, binds the block in any required position, the needle-hole *e'*, the needle *e*, set-screw *b*, which confines the needle, the hole *f*, through which the thread passes. The needle is adjusted as to its position with the shuttle-race, hook, or

thread-carrier by turning the block on the stud *d*, and the dotted lines show the position of the block when turned.

Fig. 2 is an elevation showing the needle-bar *d²*, the block *a*, with the set-screw *b* and hole for the thread *f*, the needle *e*, shuttle *h*, and a portion of the frame *g*.

Fig. 3 shows the lower part of the needle-bar *d²*, the stem *d*, and a section of the block *a*, the clamping-screw *c*, and needle *e*.

Fig. 4 is a horizontal view of a different form of the adjustable block, in which the needle is confined by a clamping-screw in a manner similar to that by which the block is confined to the stem.

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

The combination, with the needle-bar, of the needle-block *a*, having the slot *d³*, and set-screw, by which it is attached to the needle-bar, and also provided with an opening and set-screw for confining the needle, substantially as described.

T. A. MACAULAY.

Witnesses:

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