

CHARLES GRAHAM.

Improvement in Removable Handles for Sad-Irons.

No. 127,596.

Patented June 4, 1872.

Fig: 1

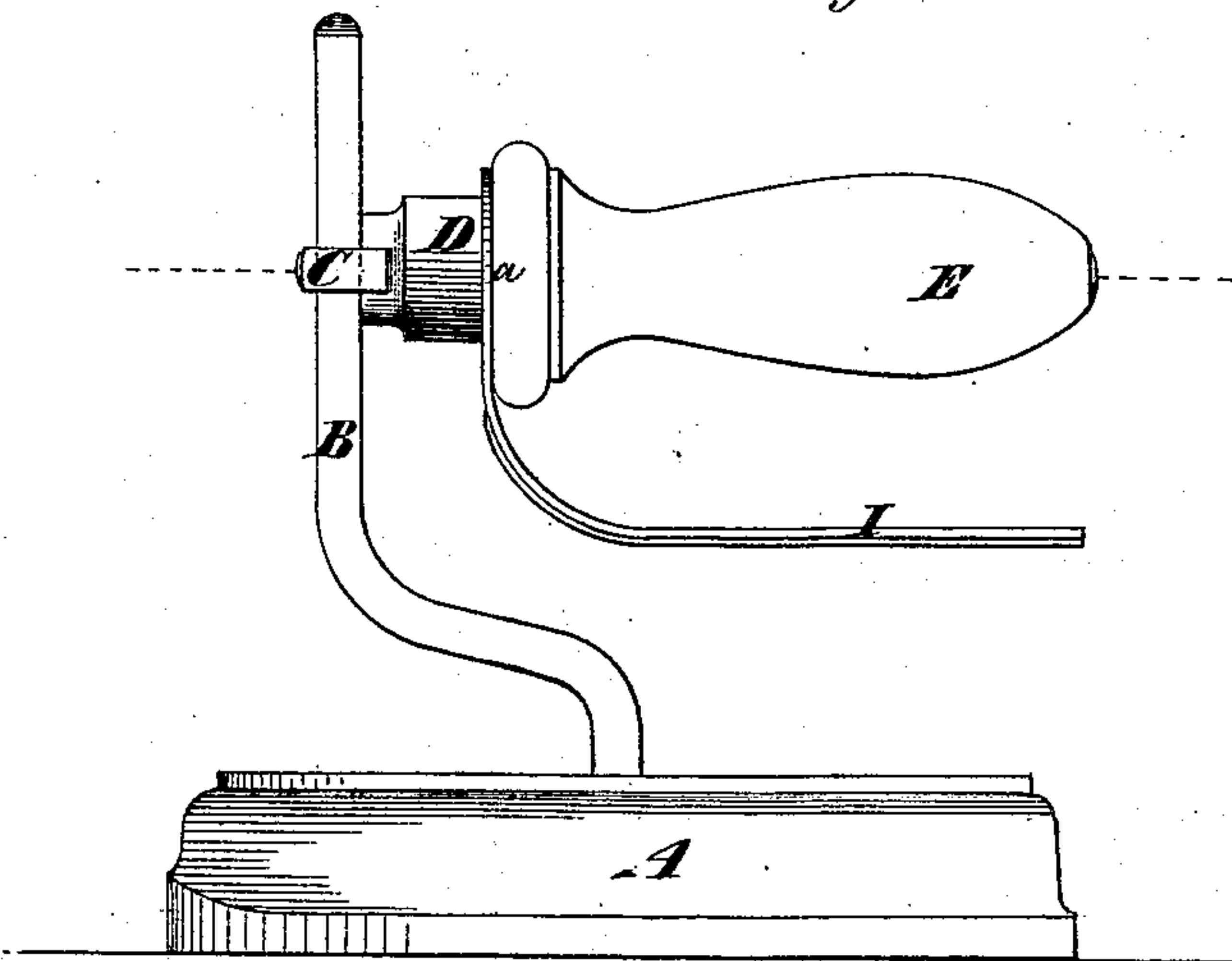
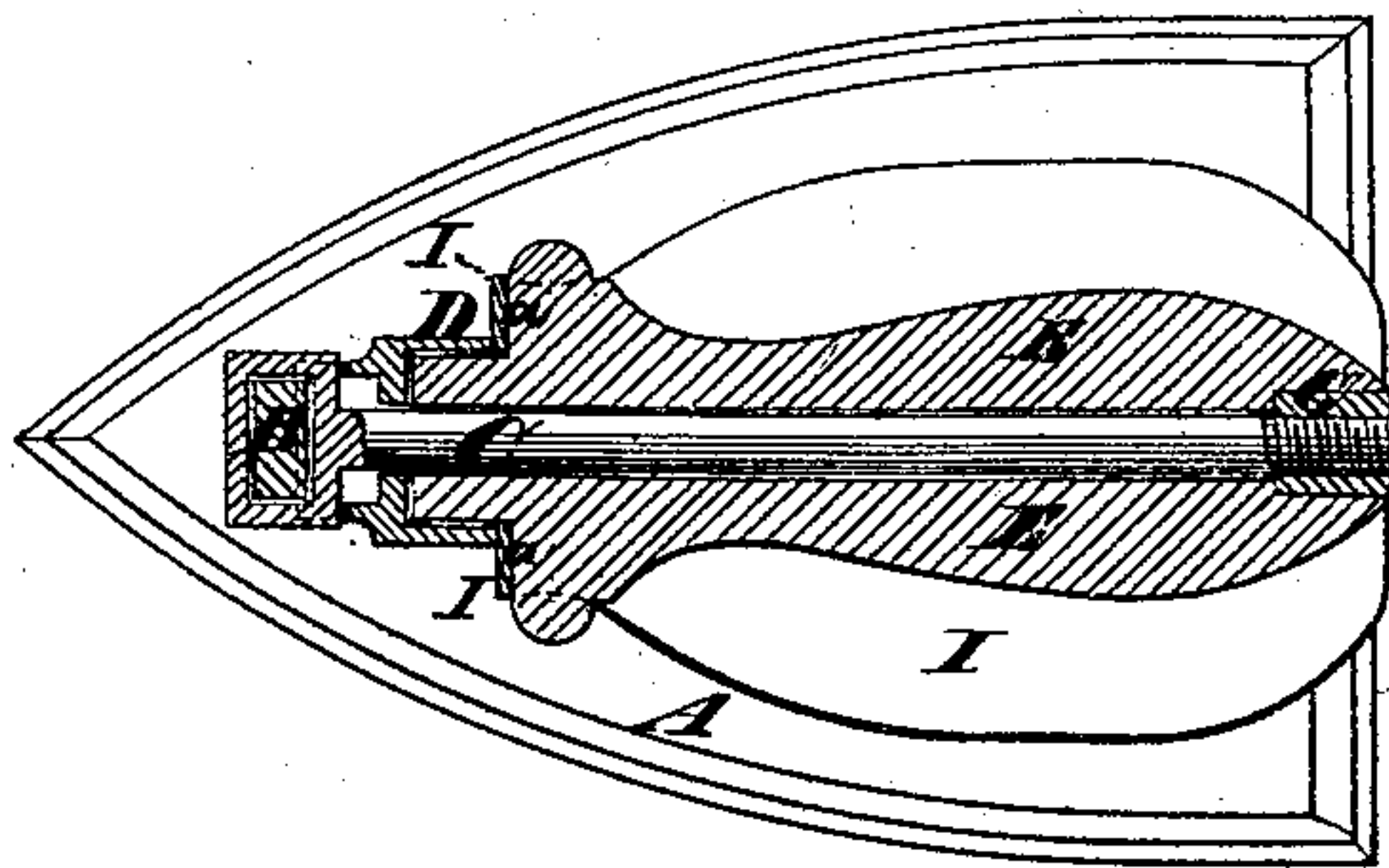


Fig: 2



Witnesses:

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IMPROVEMENT IN REMOVABLE HANDLES FOR SAD-IRONS.

Specification forming part of Letters Patent No. 127,596, dated June 4, 1872.

Specification describing an Improved Removable Handle for Sad-Irons, the invention of CHARLES GRAHAM, of Kingston, in the county of Luzerne and State of Pennsylvania.

This invention consists in the combination, with a single standard, cast or otherwise secured to the body of the iron, of an eye-bolt applied to said standard, and a handle which surrounds the shank of the said bolt and contains a nut screwing onto a screw-thread on the said shank, whereby the handle is secured to the standard so as to be adjustable at various heights relatively to the body of the iron, and in such manner that its attachment and detachment is rendered very easy. It also consists in novel means of securing, in combination with said eye-bolt, collar, and handle, a shield or guard for protecting the hand from the heat radiated from the iron.

In the accompanying drawing, Figure 1 is a side view of a sad-iron having a handle made according to my invention, and Fig. 2 is a horizontal section taken through the handle.

Similar letters of reference indicate corresponding parts in both figures.

A is the body of the sad-iron, which is of ordinary form, and has cast or otherwise secured to its middle a standard, B, the lower part of which is bent forward, but the upper part of which is upright, as represented in Fig. 1. This handle is preferably made of flat bar-iron. The entire handle of the iron may be said to consist of three parts—an eye-bolt, C, a collar, D, and the shell or handle proper, E, which has arranged within it a nut, G. The eye-bolt C has formed on one end an eye or loop of a size and form to fit loosely the standard B, and on the other end is screw-threaded to receive the nut G. The collar D surrounds the bolt near its eye, and at its forward end is transversely mortised to receive the back portion of the eye and enable itself to bear against the said standard B. This mortise also pre-

vents the collar from turning on the eye-bolt. The back portion of the said collar receives the forward end of the handle E loosely within it. The handle is made of wood or other material which is a poor conductor of heat, and of ordinary form, and in its rear portion the nut G is secured. I is a guard or shield for protecting the hand from the heat of the iron. It is made of sheet metal or other suitable material, and is fitted to the handle proper, E, between the back of the collar D and a shoulder, *a*, provided on the said handle proper.

To apply the handle so constructed to an iron, the handle-shell E is turned to screw back on the bolt C, and so allow the collar D to move back. The loop or eye of the bolt is then slipped over the top of the iron standard B and adjusted to the most convenient height, and the shell is then turned so that its nut G is caused to move it toward the standard B, and thereby to press the collar against the standard B, whereby the latter is clamped between the collar and the opposite side of the eye and securely gripped and held.

To detach the handle from the iron the shell E is turned in a direction to move backward on the bolt, and thereby loosen the collar, and the handle may then be lifted off, the shield coming with it.

Claim.

1. The combination, with the standard B on the sad-iron and the handle proper, E, of the eye-bolt C, fitted to the standard, and the nut G, provided in the said handle and screwing on the bolt, substantially as set forth.

2. The combination of the eye-bolt C, the collar D, and shoulder *a* on the handle, and the shield or guard I, essentially as specified.

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Witnesses:

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