(No Model.)

E. R. CAHOONE.

BUCKLE HOLDER.

No. 260,450. Patented July 4, 1882.

Fig. 1.

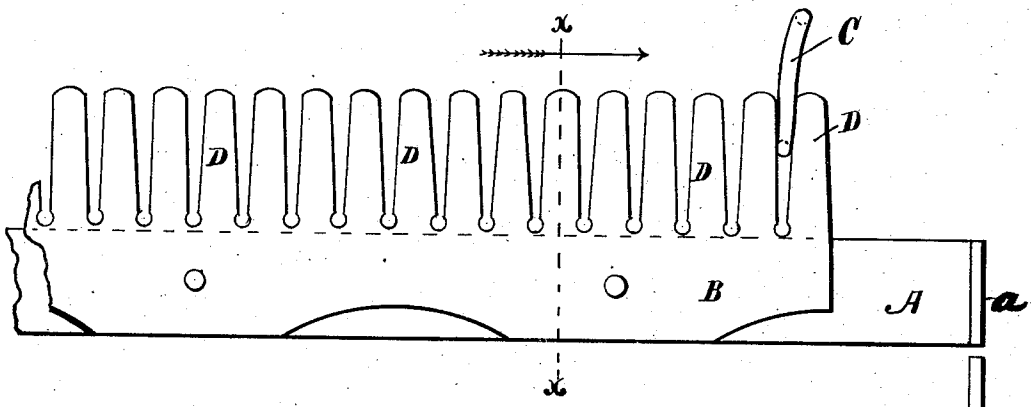
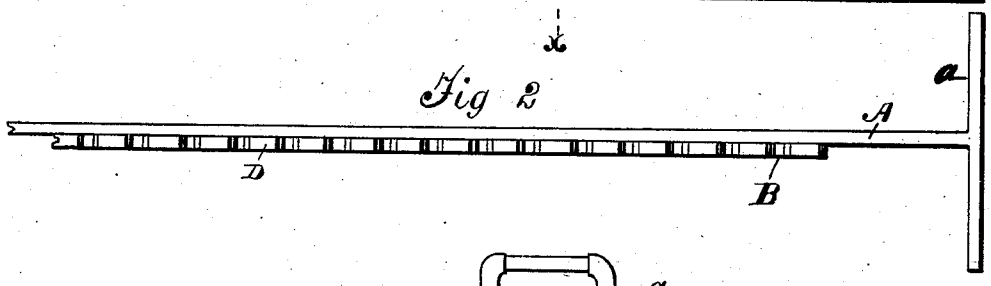


Fig 2



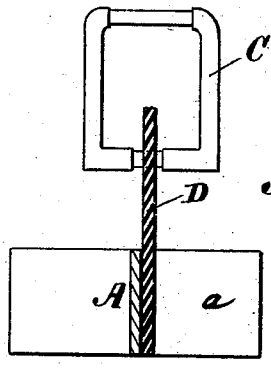
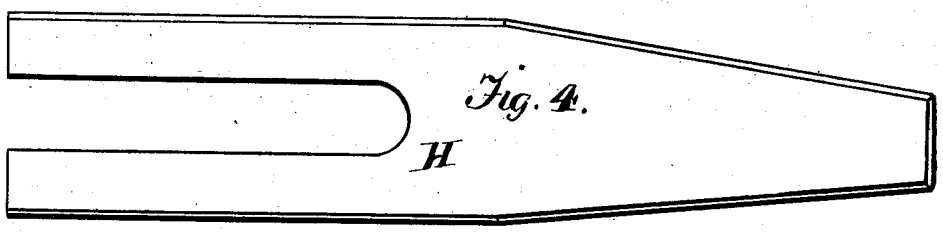


Fig. 3.

Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

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BUCKLE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 260,450, dated July 4, 1882.

Application filed April 14, 1881. (No model.)

To all whom it may concern:

Be it known that I, EDWIN R. CAHOONE, of Newark, Essex county, in the State of New Jersey, have invented a new and useful Buckle-Holder, or instrument for holding buckles and other small articles while undergoing the process of varnishing or being dipped into or coated with any japan or other coating and baked or dried, of which the following is a specification.

The object of my invention is to obtain a simple and rapidly-operated device for use in japanning or coating processes, whereby buckles and other small articles may be held securely without marring while being dipped and dried, and is especially intended for first-rate goods.

Buckles and similar articles are ordinarily strung on rods or wires during dipping and drying; but under this practice there is more or less injury or marring of the japan at the point of contact between the buckle and the rod or wire on which it is strung.

I make use of a toothed bar, say, about three feet long and about three inches wide, provided with long teeth upon one edge, having taper spaces between the teeth, as shown in the drawings. The other edge of this bar is secured to the handle-bar.

Figure 1 is a side view, showing a short length of my device with a buckle in place. Fig. 2 is a plan view, looking down edgewise of the teeth. Fig. 3 is a cross-section on line *x x* of Fig. 1, with buckle in position between two teeth. Fig. 4 represents a hammer-block, which may be used in removing the buckles.

A is the metallic or wooden handle-bar, with a cross-handle, *a*, at one or both ends.

B is the tooth-bar, which may best be made like a saw-blade, but having the incisions made to form deep, long teeth D of a conical shape, with the spaces between the teeth also tapering from a width at the bottom a little less than the thickness of the smallest article to be held, and widening out to a width somewhat larger than the thickness of the largest article to be held.

The teeth D are rigid with the bar B. Ordinarily I get the best and cheapest toothed bar by casting the same. The handle A, with its cross-piece *a*, affords a foot or base upon which the toothed bar is upheld or rests with its load in a vertical position, secure against toppling over.

C shows a buckle in position. The buckle is forced downward into the taper space between the teeth, so that each buckle is held by the pressure of two teeth, pressing and touching only that part of the buckle around which the tongue is afterward bent. Ordinarily my device should hold some six or eight dozen buckles.

When buckles have been properly secured in all the spaces the instrument is dipped, with its load of buckles, into the japan or varnish, as desired. This is done by reversing the position shown in Fig. 1. After being dipped, the "holder" is p'aced as in Fig. 1, to drip, or to be dried, or to be put into the japan-oven, as desired, the cross-piece *a* holding up the device and its load in either event. Sight will not be lost of the fact, also, that the cross-piece *a* affords a convenient grasp for the bar or holder in handling it.

The device thus described constitutes a portable instrument for use in coating or japanning articles. Buckles thus held have no marring or defacement of their coating.

After the buckles have been dried, a slight force applied with the fingers to each buckle readily removes it; but by using the cleft hammer-block H (shown in Fig. 4) I can more readily remove the buckles without touching them.

The tooth-bar, being rested on supports, buckles downward, block H is placed astride the edge of the bar, over a space in which a buckle is held, and upon striking the block with a light hammer, or simply jarring the block itself against the bar, the buckle will drop out. This operation can be rapidly done.

I claim—

1. The portable holder-bar B, having elongated rigid teeth D of wedge shape, and forming beveled or tapering spaces to receive and sustain articles to be coated, substantially as described.

2. The improved holder for use in coating and drying coated articles, consisting of the bar B, having wedge-like teeth D, and the handle A, secured thereto, and having the cross-piece *a* to hold the device from toppling over, substantially as shown and specified.

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Witnesses:
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