

E. C. CARLETON.
 Securing Handles to Cutlery.

No. 161,752.

Patented April 6, 1875.

Fig. 1.

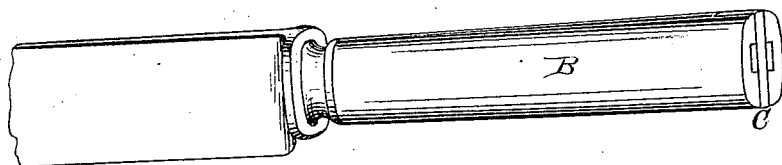


Fig. 2.

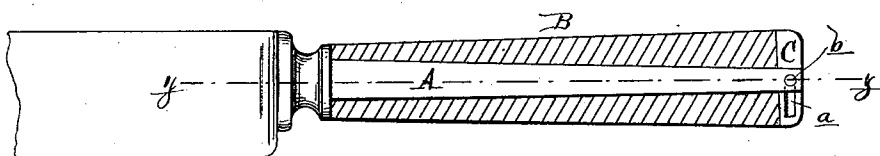


Fig. 3.

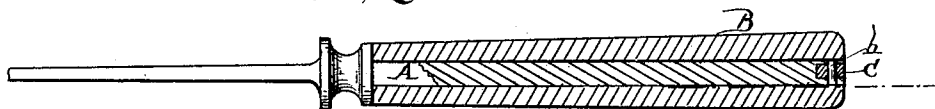


Fig. 4.

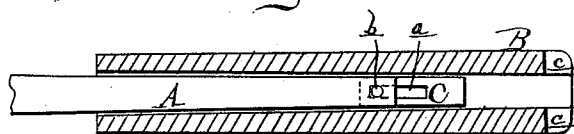
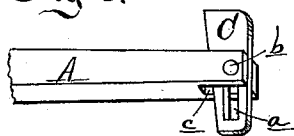


Fig. 5.



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 E. C. Carleton
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UNITED STATES PATENT OFFICE.

EZRA C. CARLETON, OF PORT HURON, MICHIGAN.

IMPROVEMENT IN SECURING HANDLES TO CUTLERY.

Specification forming part of Letters Patent No. **161,752**, dated April 6, 1875; application filed March 6, 1875.

To all whom it may concern:

Be it known that I, EZRA C. CARLETON, of Port Huron, in the county of St. Clair and State of Michigan, have invented a Device or Means for Securing Handles to Cutlery and Tanged Tools, of which the following is a specification:

The nature of my invention relates to an improvement in the means of securing the handles to the tangs of table-cutlery and all tanged tools in such a manner as to permit of their easy detachment.

The invention consists in a slotted key pivoted in a mortise at the extremity of the tang, in combination with a transverse keyway in the end of the handle.

Figure 1 is a perspective view of a table-knife fitted with my improved detachable handle. Fig. 2 is a longitudinal vertical section of the handle at *x x* in Fig. 3, which is a longitudinal transverse section at *y y* in Fig. 2. Fig. 4 is a similar section to Fig. 2, but showing the handle partly withdrawn from the tang. Fig. 5 is a perspective view of the tang and key.

In the drawing, A represents the tang of a case-knife, and B a handle of wood, ivory, hard rubber, or other material fitted to the same, but in such a way that it can be easily withdrawn. C is a key having a slot, *a*, extending from its middle nearly to the point thereof, and

is secured in a mortise at the end of the tang by a transverse pin, *b*. A keyway, *c*, is cut in the end of the handle.

To secure the handle on the tang, extend the key so as to bring it in line with the tang. Insert the tang in the handle. Then throw over the key, so as to lie in the deepest end of the keyway, and push it home. The reverse of this movement enables the handle to be removed from the tang.

Handles of ivory and other material liable to damage from immersion in hot water can thus be removed, while the knives or tools to which they belong can be washed or cleansed without damage.

It will also be noticed that there are no rivets through the handles to mar or detract from their appearance, or to cause them to split.

This improvement is applicable to all tools having tangs, as well as to cutlery or tableware.

What I claim as my invention, and desire to secure by Letters Patent, is—

The slotted key C, secured to the mortised tang A for detachably fastening the handle B thereon, substantially as described.

EZRA C. CARLETON.

Witnesses:

ANTHONY VASEY,
GEORGE MAITLAND.