T. STROBRIDGE.
Handle for Cutlery.

No. 219,996. Patented Sept. 23, 1879.

Fig. 1.

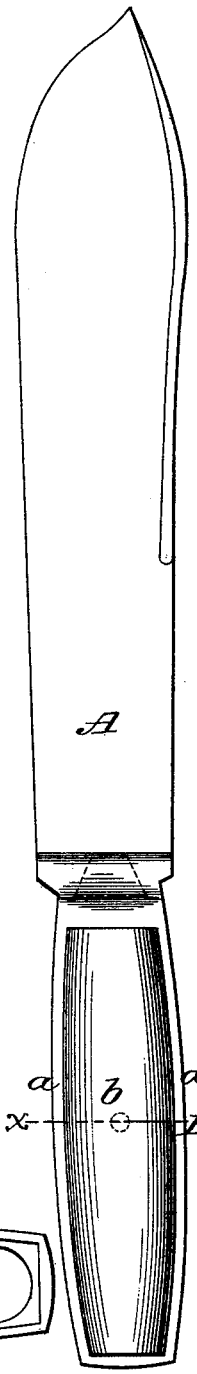


Fig. 2.

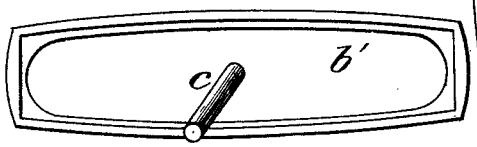
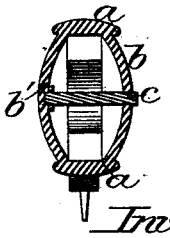


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

TURNER STROBRIDGE, OF NEW BRIGHTON, PENNSYLVANIA.

IMPROVEMENT IN HANDLES FOR CUTLERY.

Specification forming part of Letters Patent No. **219,996**, dated September 23, 1879; application filed December 16, 1878.

To all whom it may concern:

Be it known that I, TURNER STROBRIDGE, of New Brighton, in the county of Beaver and State of Pennsylvania, have invented a new and useful Improvement in Handles for Cutlery; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an elevation of a knife handled in accordance with my invention, part of the shell forming the handle being removed. Fig. 2 is a view of the detached portion of the handle. Fig. 3 is a transverse section of the handle.

Like letters refer to like parts wherever they occur.

My invention relates to the formation of cast handles for cutlery; and consists in casting an open box-form section of the handle upon the tang of the article, and closing the open side thereof by a shell or scale, whereby a light, strong, and easily-produced handle is obtained.

Heretofore, where handles of uniform exterior have been desired for the commoner kinds of cutlery, it has been customary to cast the handle solid upon a permanent core; around a core which was subsequently removed and the hollow handle sealed; or, in case of soft metal, by chilling the outer portion of the casting and pouring out the liquid core metal through an orifice subsequently sealed; but such methods are objectionable, either because they render the handle too heavy, involve too much labor, and thus add to the cost, or necessitate the use of metals too expensive or too soft to produce good and durable handles.

In some instances, however, an open frame has been cast on the tang of the article, and the handle completed by closing the open sides of the frame with shells or scales riveted to the shell and to each other; but such a construction multiplies the parts which require to be accurately fitted to insure a neat article and greatly enhances the cost of production.

The object of the present invention is to both lighten and cheapen the article.

I will now proceed to describe my invention so that others skilled in the art to which it appertains may apply the same.

In the drawings, A indicates a knife-blade with the usual short tang (see dotted line Fig. 1) for casting the handle thereto. B indicates the handle, which is cast in box form, the parts *a a b* being cast in one, as shown in Fig. 1 of the drawings, and the part *b′* separately.

The section or piece *b′* will be provided with a rivet, *c*, either secured thereto at the time of casting, or otherwise, as preferred, and part *b* will have a rivet-hole, *d*, for the reception of the end of the rivet *c*.

The section *a a b* can be readily cast upon a core in manner well known in the art, and therefore not requiring specific description here.

Having obtained the sections of the shell as specified, and one of said sections (the skeletons *a b a*) being cast on the blade A, the remaining part, *b′*, is fitted to the part attached to the blade, and the whole secured by the rivet *c*.

The handle specified is equally applicable to the various forms and sizes of cutlery and tools, but is of especial advantage in the larger sizes, where lightness, strength, and finish are desirable features.

I do not herein claim a hollow cast-metal handle for cutlery, whether the same is or is not cast upon a core, or whether the same is or is not subsequently filled and sealed. Neither do I claim a hollow handle for cutlery wherein a portion of the shell is cast upon the article and scales or other portions of the shell are riveted thereto and to each other.

Having thus set forth the nature and advantages of my invention, what I claim, and desire to secure by Letters Patent, is—

A hollow handle for cutlery wherein the portions *a b a* are cast on the tang of the article in box form and the handle closed by a scale, *b′*, substantially as and for the purpose specified.

In testimony whereof I, the said TURNER STROBRIDGE, have hereunto set my hand.

TURNER STROBRIDGE.

Witnesses:
S. S. MCFERRAN,
JOHN GLASS.