M. Chapman,

Table Knife.

No. 29,465. Patented Aug. 7, 1860.

Fig. 1

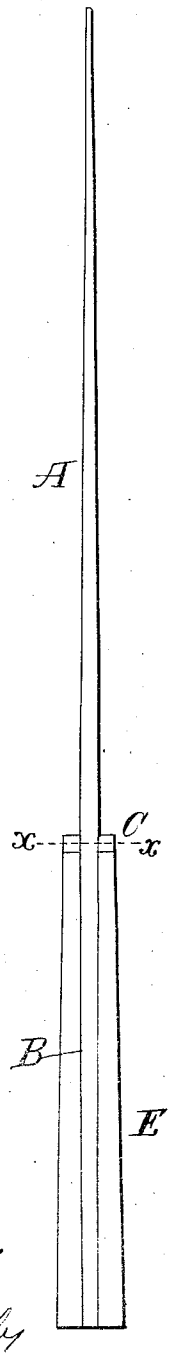


Fig. 2

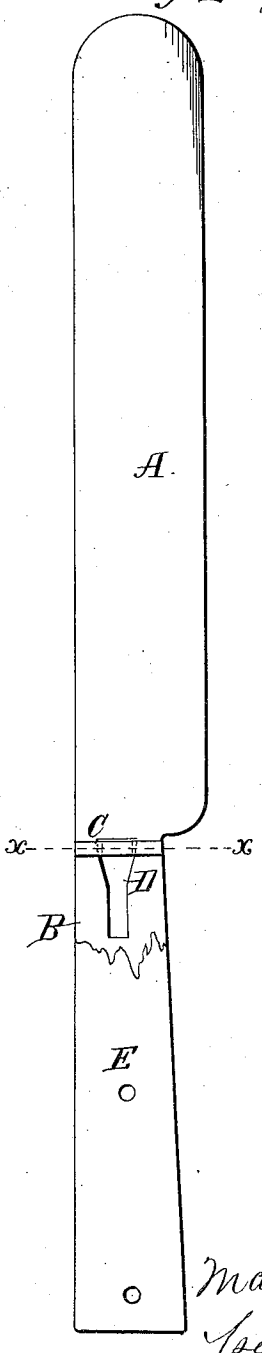
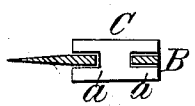


Fig. 3



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UNITED STATES PATENT OFFICE.

MATTHEW CHAPMAN, OF GREENFIELD, MASSACHUSETTS.

HANDLE FOR CUTLERY.

Specification of Letters Patent No. 29,465, dated August 7, 1860.

To all whom it may concern:

Be it known that I, MATTHEW CHAPMAN, of Greenfield, in the county of Franklin and State of Massachusetts, have invented a new and useful improvement in the manufacture of cutlery and tools which have handles and are provided with a tang and bolster; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a back view of a table knife, constructed according to my invention; Fig. 2, a side view of the same, a portion of the handle being removed or broken away; Fig. 3, a transverse section of the same taken in the plane *x*, *x*, Figs. 1 and 2.

Similar letters of reference indicate corresponding parts in the several figures.

In the manufacture of cutlery and all tools or implements of a superior class which have handles, and are provided with tangs and bolsters, the latter are most commonly forged on the implement, the blade, bolster, and tang, being all forged from a single bar a transverse section of which is equal in area to that of the bolster,—the blade, if a knife is being formed, being drawn out at one side of the bolster the tang at the opposite side and the bolster then swaged in proper form. This process of manufacture requires three heats, one for the formation of each part of the implement and consequently considerable time and labor is expended.

The object of the within described invention is to obviate this difficulty and to this end I make the bolsters separate or detached from the other parts, and attach them thereto in a peculiar way, as hereinafter shown and described.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A, represents the blade of a table knife, and B, the tang. The tang is of the flat form such as are used with handles formed of two parts or which nearly divide the handle, the tang being equal in breadth to the handle and both edges of the former exposed. The blade and tang are forged at once from the same metal bar, a transverse section of which is equal in area to that of a transverse section of the tang. The latter therefore does not require much labor, the drawing out of the blade being the principal work. The blade and tang may be of the usual or any proper form and resemble an ordinary knife with the exception of the absence of the bolster at the junction of the blade and tang.

The bolsters C, are made separately and may be swaged or cut out in proper form, or they may be cast. The bolsters are formed with a longitudinal slot *a* in each end— said slots being equal in width to the thickness of the tangs B.

The tangs B, are slotted at the junction of the blades A, with them. These slots D, are oblong and their ends adjoining the blades are expanded in V form as shown clearly in Fig. 2. The slots D, are equal in length to the bolsters C, so that the latter may be inserted longitudinally in them and then turned at right angles with the tang and blade, the edges of the tangs at the sides of the slots fitting in the slots *a*, of the bolster as shown in Fig. 3, the upper surface of the central part of the bolster bearing against the upper edge of the slot D.

By this arrangement it will be seen that the bolster is firmly secured to the tang, the former when the handle E is attached bearing snugly on the end thereof and having the usual appearance. See Fig. 1. Thus it will be seen that the labor of forging the bolster, with the blade and tang is avoided, and the process of manufacture greatly expedited.

I am aware that bolsters have been made detached from the other parts of cutlery and other tools, but so far as I am aware they have been used with round tangs and arranged in an entirely different way from that herein shown and described.

I do not claim therefore broadly and irrespective of the arrangement herein shown and described, the making of the bolsters separately from the other parts of the cutlery, or other tools, or implements; but

I do claim as new and desire to secure by Letters Patent—

The fitting of the bolsters C, in the flat tangs B, by means of the slots D, therein substantially, as shown and described.

MATTHEW CHAPMAN.

Witnesses:
T. B. RUSSELL,
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