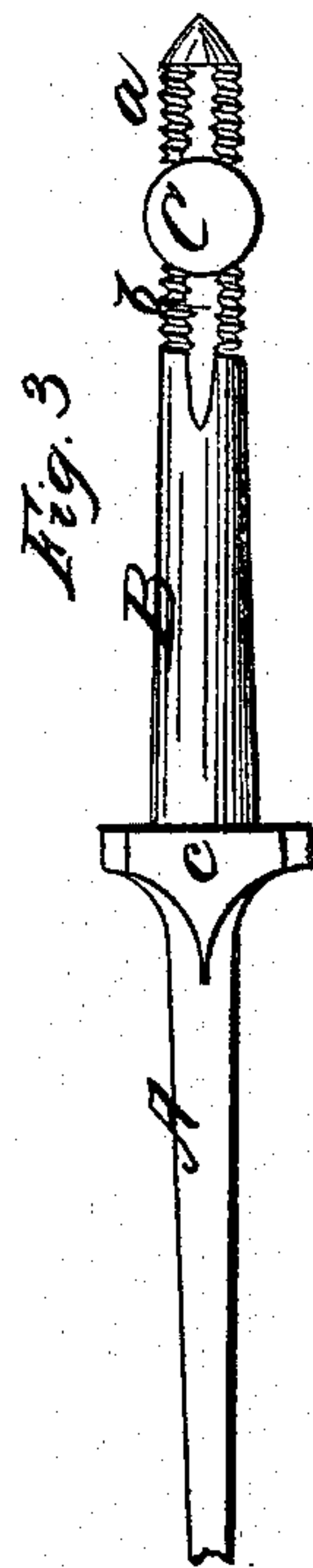
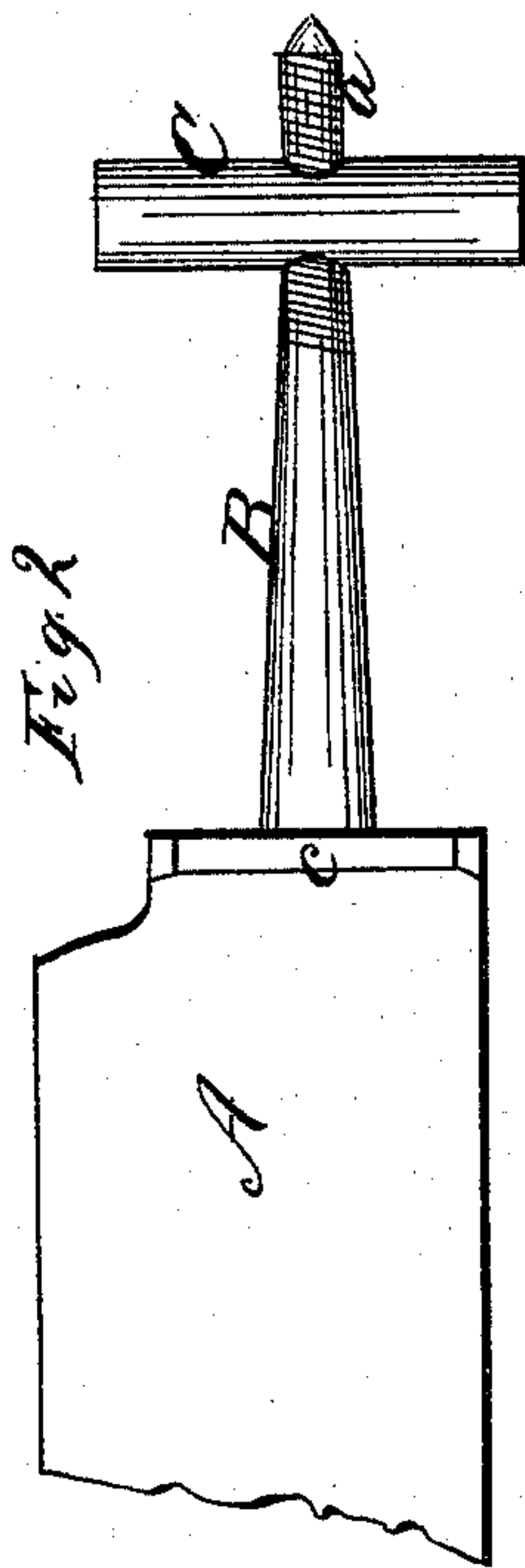
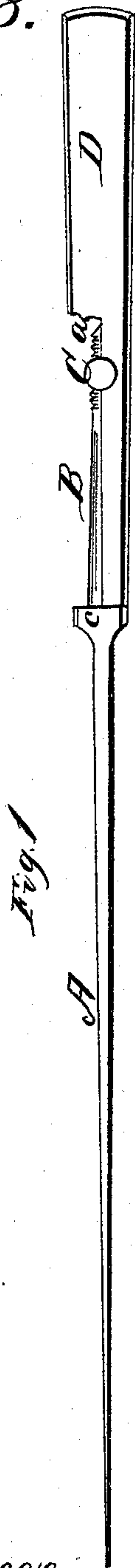


*M. Chapman,*

*Attaching Handles to Cutlery.*

*N<sup>o</sup> 26,478.*

*Patented Dec. 20, 1859.*



*Witnesses*  
*Amos Brainard*  
*Saml. J. Lyons*

*Inventor*  
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# UNITED STATES PATENT OFFICE.

MATTHEW CHAPMAN, OF GREENFIELD, MASSACHUSETTS.

## ATTACHING HANDLES TO CUTLERY.

Specification of Letters Patent No. 26,478, dated December 20, 1859.

*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 Improved Mode of Attaching Handles to Cutlery and to Implements or Tools of Various Kinds; 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 having its handle attached to it according to my invention, the handle being partly bisected. Fig. 2, is a detached side view of the tang of the blade and its nut. Fig. 3, is a detached edge view of ditto.

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

The object of this invention is to obviate the use of cement in securing handles to cutlery and various tools, and to obtain a firm and durable connection of the two parts by a very simple and economical means.

In the annexed drawings A, represents the blade of a table knife. B, is its tang. The tang is of the usual length, or taper or conical form and has a screw thread *a*, formed on its lower end. This screw thread is flattened or filed off at two opposite points so as to form plane surfaces *b*, *b*, one of which is shown clearly in Fig. 3.

C, represents a small metal cylinder which is fitted transversely in the handle D, and passes entirely through it. This cylinder has a hole made through it transversely, said hole having an internal screw thread to fit the screw thread *a*, of the tang. The cylinder C, is adjusted in the handle D, with its hole in a vertical position so as to receive the lower part of the tang B, which is fitted in the handle D, as usual a proper hole being made longitudinally in the handle for its reception. The blade A, and tang B, are turned and the tang is consequently drawn within the handle and the bolster *c*, of the blade is firmly pressed or

drawn on the end of the handle by the screw *a*, of the tang and the cylinder C, which is in fact a nut. When the tang B, is snugly fitted in the handle D, the ends of the cylinder C, one or both, are hammered and its hole made to bear against the flat or plane sides of the screw *a*, thereby effectually preventing the turning of the tang within it. By this arrangement the handle is firmly and permanently secured to the tang, the cylinder or nut C, of course prevents the direct withdrawal of the tang from the handle, while the close adjustment of the cylinder to the plane surfaces *b*, effectually prevents the turning of the tang and the consequent liability of its becoming loose.

I am aware that tangs have been secured in handles by rivets, but they can not be firmly secured in that way without the aid of cement, it being impossible to prevent a play and rattle by the rivet alone. The cement as is well known is soon softened by washing the cutlery in hot water and oozes out between the bolster and handle leaving the tang in a loose state. By my invention the cutlery may be washed in hot water to facilitate cleansing without being in the least liable to be injured in any way, and the connection between the handle and the tang will last as long as the implement itself.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is,—

Securing handles to cutlery, and other tools or implements, by having a screw thread *a*, formed on the tangs B, and provided with plane longitudinal surfaces *b*, in connection with the cylinder or nut C, fitted in the handle and hammered or compressed to fit the screw *a*, and its plane surfaces *b*, substantially as and for the purpose set forth.

MATTHEW CHAPMAN.

Witnesses:

ALMON BRAINARD,  
SAML. J. LYONS.