

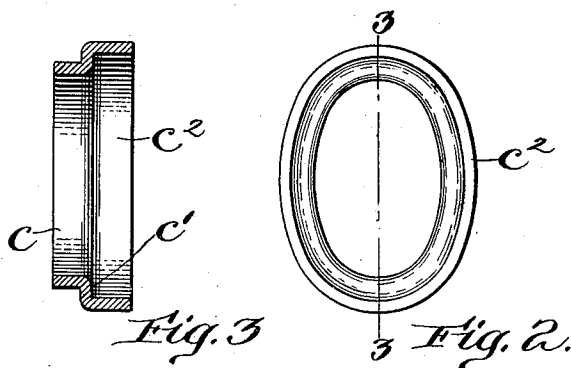
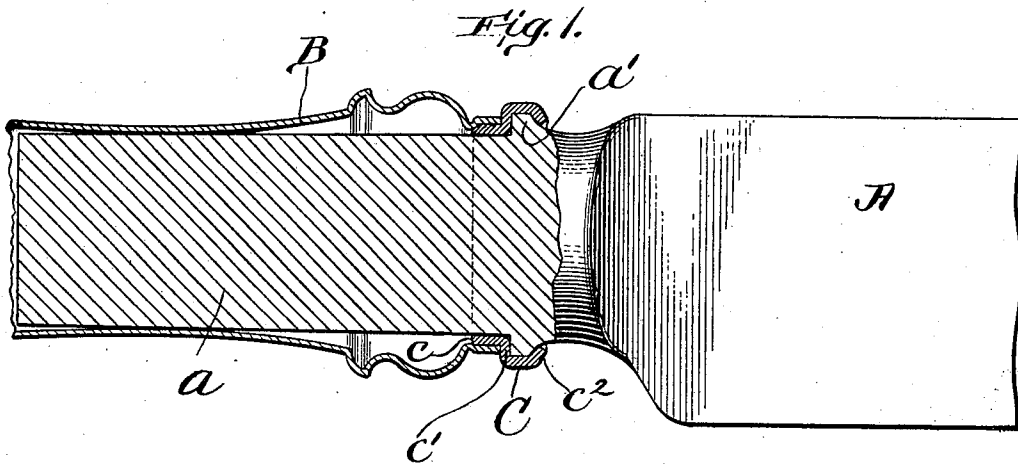
No. 763,111.

PATENTED JUNE 21, 1904.

W. A. RAYMENT.  
KNIFE.

APPLICATION FILED JUNE 15, 1903.

NO MODEL.



Witnesses:

Arthur J. Randall  
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# UNITED STATES PATENT OFFICE.

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## KNIFE.

SPECIFICATION forming part of Letters Patent No. 763,111, dated June 21, 1904.

Application filed June 15, 1903. Serial No. 161,415. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM A. RAYMENT, a subject of the King of Great Britain, and a resident of Taunton, in the county of Bristol and State of Massachusetts, have invented new and useful Improvements in Knives, of which the following is a specification.

My invention relates to cutlery; and its object is to provide an improved article of this class.

It has been customary to construct articles of cutlery, such as table knives and forks, with a hollow sheet-metal handle, within which the shank of the blade or fork is fastened by means of a rivet passing through both the handle and the shank or by solder, or both. This construction required that the handle be made of comparatively thick sheet metal, so that the connection between the rivet and the handle would be a strong one not liable to give under strain. Also it is customary to fasten the shank within the hollow handle by turning the mouth or open end of the hollow handle inwardly over a shoulder on the shank. This construction also requires the handle to be made of comparatively thick strong stock in order that the inturned end would not give under strains brought upon it under conditions of ordinary use. When the handle is to be made an ornamental one, embossed with a design, as usually is the case, it is desirable for the purpose of economy and for embossing purposes that the metal be as thin as possible.

The object of my invention is to improve articles of cutlery, particularly with respect to the connection between the shank and the handle, to the end that a stronger and improved joint will be provided and one that will at the same time enable the manufacturer to use a thinner and cheaper stock for the handle.

My improved article of cutlery in its simplest form comprises a shank made with a shoulder and fastened in place in a hollow handle by a coupling member, one end of which is soldered to the end of the handle and the other end of which is swaged or turned inwardly over the shoulder on the shank.

In the best form of my invention the shoulder on the shank is one side of a flange and the other side of the flange engages a seat or shoulder on the coupling member. The flange is rigidly held between the seat and the inturned end of the coupling member. This construction permits making the handle of thin sheet metal, the coupling member of thicker metal, giving strength at the part of the handle where strength is required.

In the accompanying drawings, Figure 1 is an elevation, partly in section, of part of a table-knife and shows one embodiment of my invention. Fig. 2 is a detail plan view of the coupling member hereinafter described. Fig. 3 is a section on line 3 3 of Fig. 2.

Referring to the drawings, A represents the blade of a table-knife forged with a shank *a*, provided with a flange *a'*. B represents the handle of the knife, and C the intermediate coupling member which I employ to join the handle to the shank.

The coupling member C is a ring of sheet metal struck up by dies, so as to provide a neck *c* at its inner end, a shoulder *c'* near its middle, and a rim *c''* at its outer end. The neck *c* is soldered within the end of handle B, as shown in Fig. 1, and after the shank *a* of handle A has been inserted in the handle B with its flange *a'* resting against the shoulder *c'* the rim *c''* is turned inwardly over the flange, thus rigidly fastening the handle to the shank.

It will be seen that by employing the construction above described the handle B may be made of metal too thin to bear without reinforcement the strain of ordinary use, which comes chiefly upon the point where the blade is joined to the handle, but that the coupling member C will furnish the requisite strength. This construction affords a further advantage to the manufacturer in constructing and assembling articles of cutlery. He is enabled to join the handle and the blade or implement part together without the use of solder or rivet, or both, as has been the practice heretofore. While I have described a table-knife constructed as above described as an illustration of an embodiment of my invention, it is

obviously applicable to the construction of all articles of similar character wherein a handle part is joined to an implement part.

What I claim is—

- 5 An improved knife comprising a shank made with a flange; a hollow sheet-metal handle; and an intermediate annular coupling member directly surrounding said shank, and fastened at one end within the end of the handle  
10 and turned inwardly at its other end over the

flange on the shank so as to interlock therewith, said member constituting the bolster of the knife.

Signed by me at Taunton, Massachusetts, this 27th day of May, 1903.

WILLIAM A. RAYMENT.

Witnesses:

WM. B. H. DOWSE,  
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