

(No Model.)

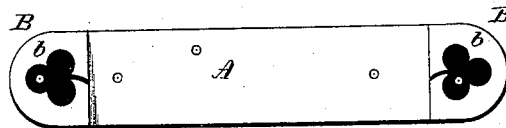
J. D. FRARY.

POCKET KNIFE.

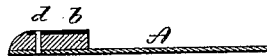
No. 266,454.

Patented Oct. 24, 1882.

*fig. 1*



*fig. 2*



*fig. 3*



*Witnesses.*

*J. P. Chumway*  
*Jos. P. Earle*

*James D. Frary*  
*Inventor,*  
*By atty.*  
*Wm. E. Earle*

# UNITED STATES PATENT OFFICE.

JAMES D. FRARY, OF BRIDGEPORT, CONNECTICUT.

## POCKET-KNIFE.

SPECIFICATION forming part of Letters Patent No. 266,454, dated October 24, 1882.

Application filed August 21, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES D. FRARY, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new Improvement in Pocket-Cutlery; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view; and in Fig. 2, a longitudinal section.

This invention relates to an improvement in handles for pocket-cutlery, with special reference to that class in which a soft-metal bolster is cast upon a hard-metal lining. The bolster is usually made from what is usually called "white metal," and affords very little support for the pivot, because of its soft nature. Again, the end of the pivot exposed on the surface of the bolster is of a different character from the metal of the bolster, and detracts somewhat from the finished appearance of the handle.

The object of my invention is to more firmly support the pivot, and at the same time remove the defect in the appearance of the handle produced by the exposed end of the pivot; and it consists in embedding into the bolster, in the process of casting, a surface ornament of harder metal, which will form a bearing for the end of the pivot on the outside of the bolster corresponding to the lining upon the inside, as more fully hereinafter described.

A represents the lining, shaped corresponding to the handle required; B, the bolster, which is also of any desirable form, and is cast in the molds upon the lining, and secured thereto by countersunk perforations in the lining, as at *a a*, or otherwise.

I prepare an ornament, *b*, for the bolster. (Here represented as clover leaf shape.) This I cut from hard sheet metal, and lay it in the mold upon the side opposite the lining. Then pour the metal for the bolster into the mold in the usual manner. It flows around the ornament *b*, and firmly secures it as a part of the bolster. Its surface is polished or finished to correspond to the surface of the bolster. Then for the pivot I drill through the ornament, bolster, and lining to form the seat *d* for the pivot. The pivot should be of the same metal as the ornament. Hence, when finished, it will not appear on the surface.

Instead of drilling after the bolster is formed, the bolster and ornament may be drilled, and a pin introduced through the hole, which will form a core to cast the bolster upon, so that the pivot-hole will be formed in the process of casting. The pin will also serve to locate the ornament.

The ornament may be simply a round disk, its shape being immaterial.

I am aware of Patent No. 249,344, assigned to me, and do not wish to be understood as herein claiming anything described or shown therein.

I claim—

The herein-described improvement in the manufacture of cutlery handles, consisting in the sheet-metal ornament *b*, introduced into the outer surface of the soft-metal bolster in the process of casting the bolster upon the lining, substantially as described.

JAMES D. FRARY.

Witnesses:

J. H. SHUMWAY,  
L. D. KELSEY.