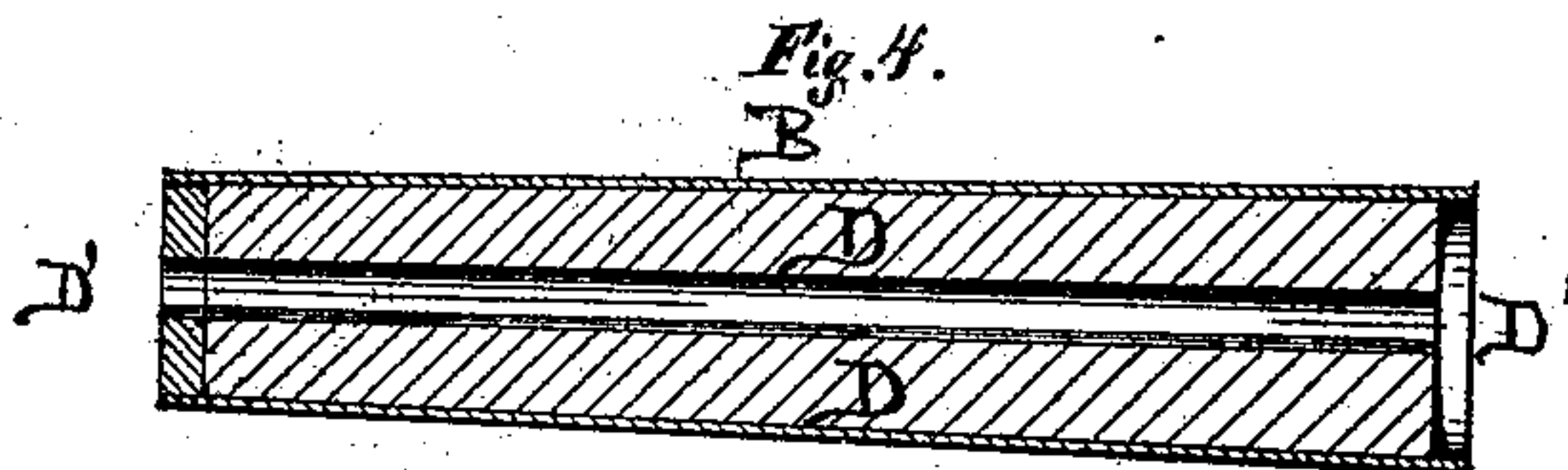
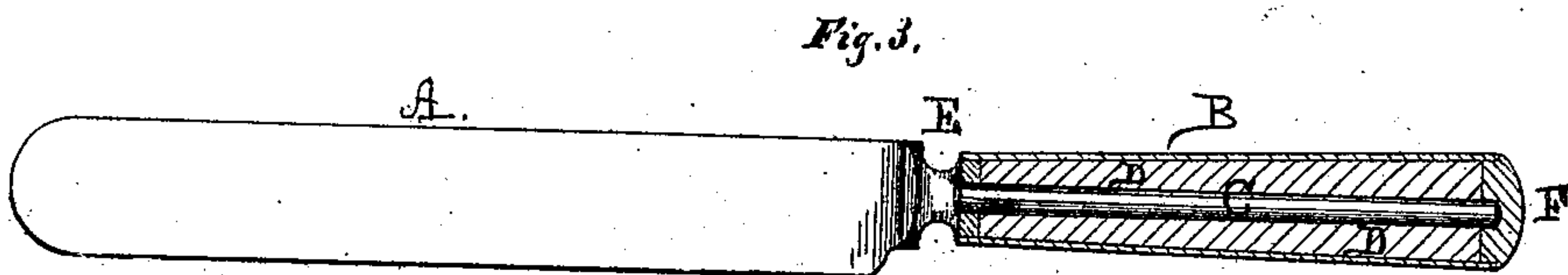
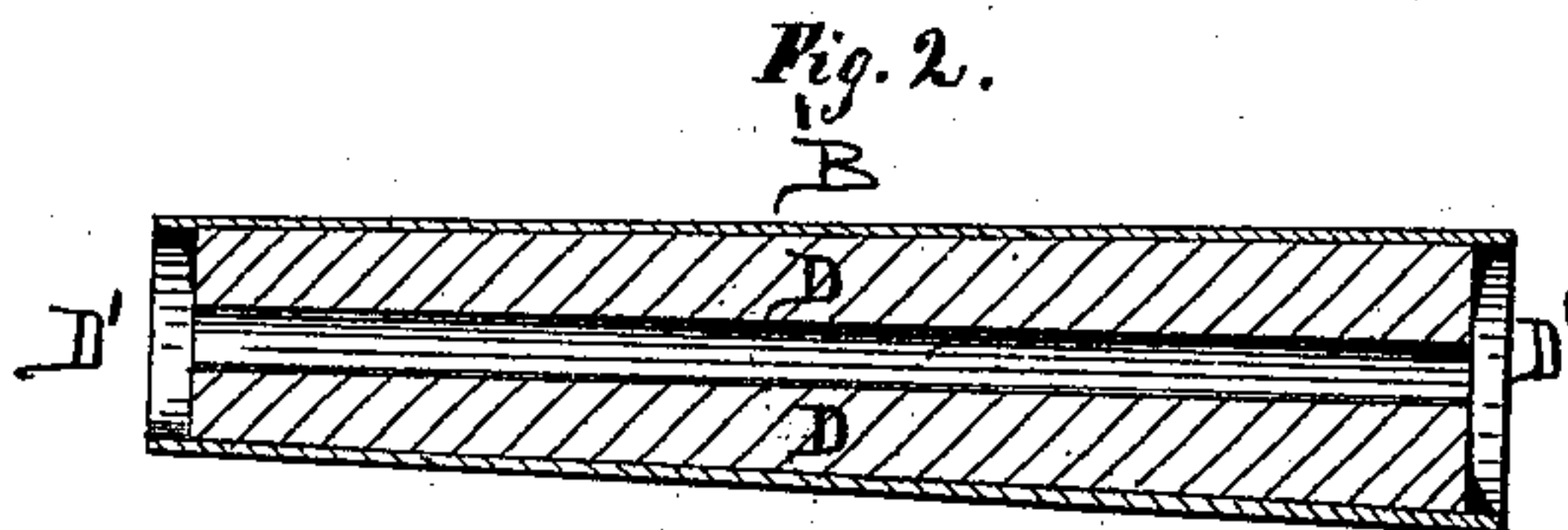
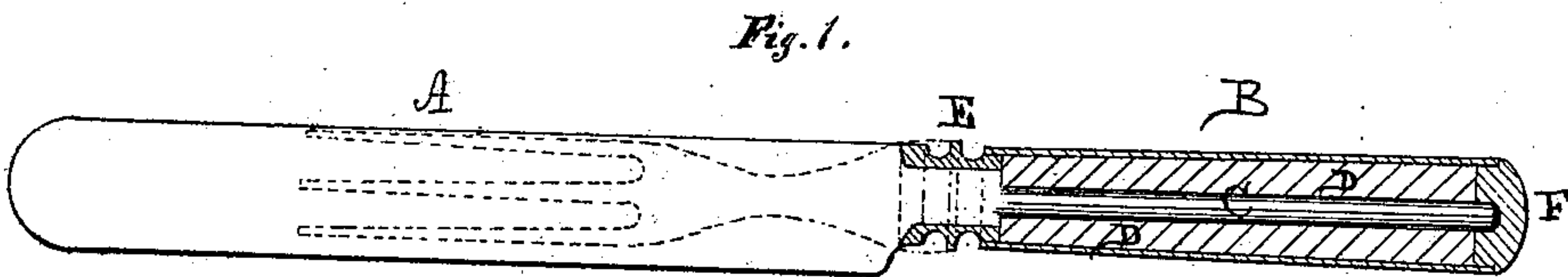


J. D. Frary,
Cutlery Handle.
No. 92,369. *Patented Dec. 28, 1869.*



Witnesses:
Will. H. Finkel.
Will. J. Peyton.

Inventor:
J. D. Frary
by John A. Duerksen
Att'y.

United States Patent Office.

JAMES D. FRARY, OF NEW BRITAIN, CONNECTICUT.

Letters Patent No. 98,369, dated December 28, 1869.

IMPROVEMENT IN HANDLES FOR CUTLERY.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES D. FRARY, of New Britain, in the county of Hartford, State of Connecticut, have invented a new and useful Improvement in Articles of Cutlery; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains, to fully understand and use the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side elevation, and partly in section, of a knife and fork, constructed according to my plan.

Figure 2 is a central vertical longitudinal section of the handle.

Figure 3 is a modification.

Figure 4 is a central vertical longitudinal section thereof.

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

My invention consists in forming a knife or fork-handle hollow, and of sheet-metal, and interposing therein a core or filling, in such a manner that when the bolster and end cap (or the cap alone) are being cast on the tang, the metal will not run through the handle, but only sufficiently therein to be stopped by the outer end or ends of the core or filling, and thereby take firm hold of the tang and handle, and produce an article of cutlery, which shall be strong, durable, and light.

In the drawings—

A may represent the blade of a knife, or prongs of a fork, of ordinary form and construction.

B is the handle thereof. It consists of a piece of sheet-metal, formed or struck up into suitable shape, and its ends united by brazing or otherwise.

The tang C of the knife or fork is passed entirely through the handle, and its end projects beyond.

In order to secure the tang within the handle, it is surrounded by a core or filling, D, which shall leave spaces D' at both ends of the handle. (See fig. 2.)

The bolster E and cap F are now cast over the tang, so as to unite it firmly to the handle, and thus present the appearance of a solid handle.

It will be perceived that the part of the metal which is to form the bolster and cap, flows into the spaces D', and by means of the core or filling is prevented from flowing through the hollow handle. The bolster and cap are thereby firmly united to the tang and handle, a portion of said bolster and cap being within the handle.

In some cases the bolster is struck up or formed with the blade or prongs and tang. In such instance, the tang is passed through the filling, but the space D', at the bolster end, is filled up with metal or other suitable material, and the bolster and handle are brazed or soldered together.

The cap F is cast on the end of the tang and handle, as in the previous description.

In either case, I design to form the handle with a filling, to allow the reception of a portion of the cap, or of the cap and bolster, and prevent the flow of the metal through the handle, or beyond the portion occupied by the spaces, as set forth.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The hollow handle, and the tang passing entirely through it, with the interposed filling, leaving spaces at one or both ends, to receive portions of the cap, or of the cap and bolster, cast on the tang, substantially as and for the purpose described.

The above signed by me, this 1st day of December, 1869.

JAS. D. FRARY.

Witnesses:

W. HAUFF,

J. VAN SANTVOORD.