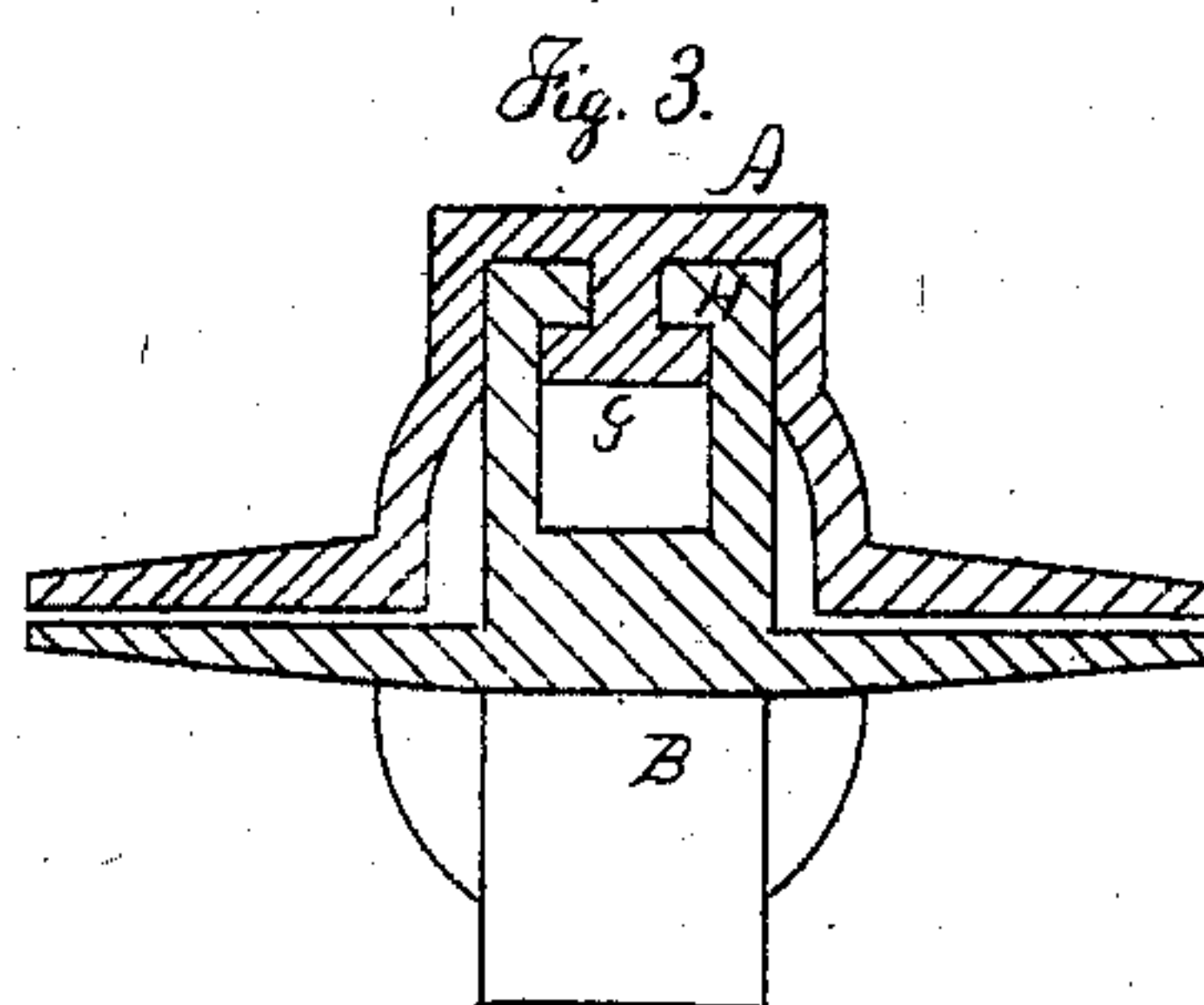
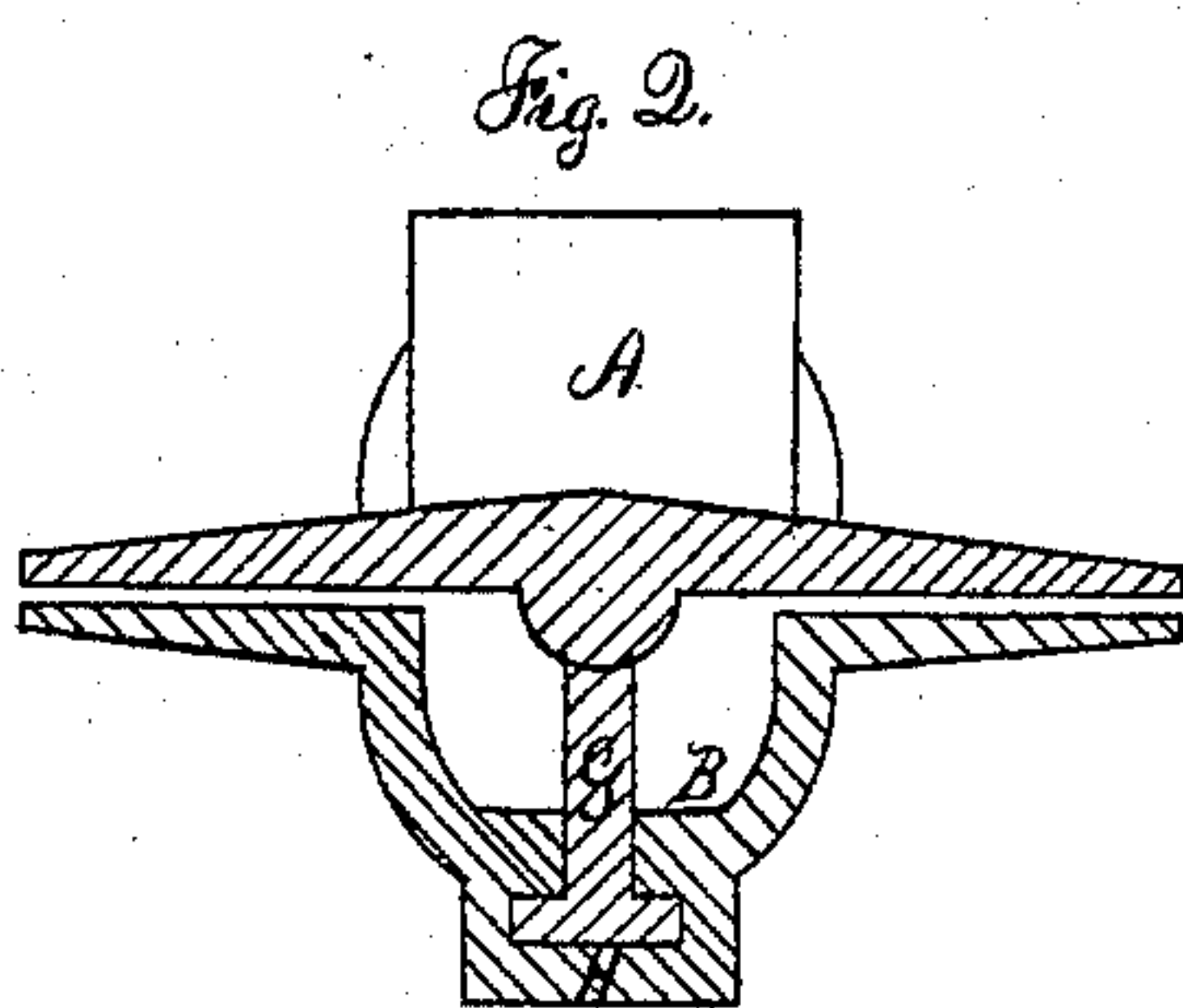
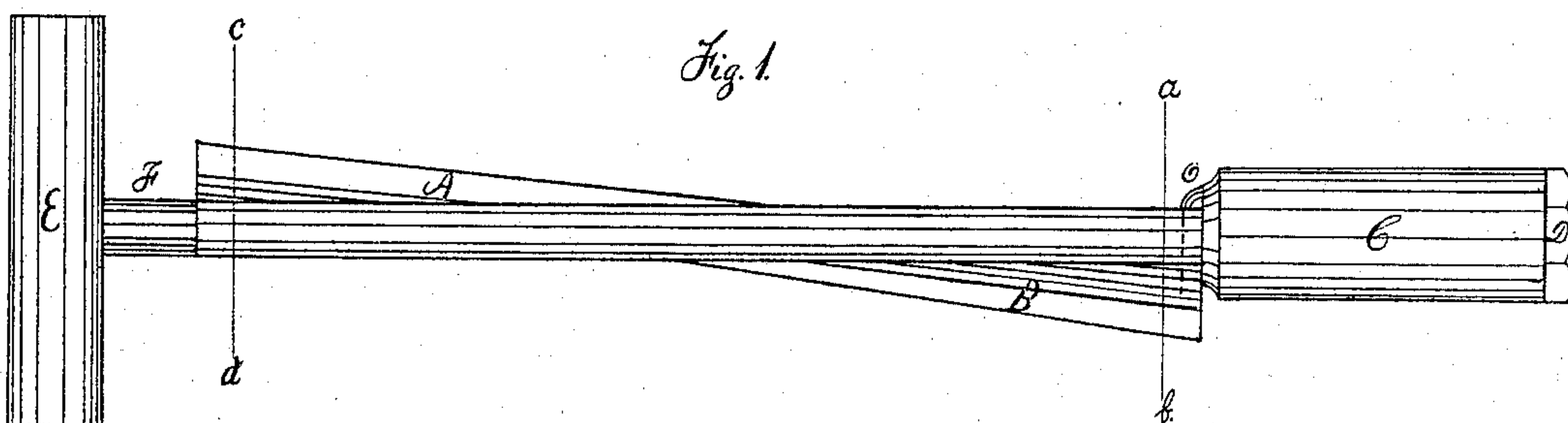


C. A. GARDNER & J. A. ENOS.

Carriers' Tools.

No. 137,671.

Patented April 8, 1873.



J. R. Nichols
J. F. Brown

Chas. A. Gardner
John A. Enos
by J. A. Bassett Atty

UNITED STATES PATENT OFFICE.

CHARLES A. GARDNER AND JOHN A. ENOS, OF PEABODY, MASSACHUSETTS.

IMPROVEMENT IN CURRIERS' TOOLS.

Specification forming part of Letters Patent No. **137,671**, dated April 8, 1873; application filed September 16, 1872.

To all whom it may concern:

Be it known that we, CHARLES A. GARDNER and JOHN A. ENOS, both of Peabody, in the county of Essex and State of Massachusetts, have invented certain Improvements in Curriers' Tools, of which the following is a specification:

Our invention relates to the tools used by curriers for shaving and whitening leather, and consists in a new method of uniting the parts forming the stock which holds the knife blades, the stock being provided with a tongued and grooved inclined plane, one part of the stock sliding into the other, holding the blades firmly and being adjusted and held in position by a nut and screw at the end of the stock.

The drawing represents in Figure 1 a plan view of the tool, showing the stock and handles; Fig. 2 represents a section on line *a b* of Fig. 1; Fig. 3 represents a section on line *c d* of Fig. 1.

Similar letters of reference indicate like parts in all the figures.

A represents the upper slide or the upper half of the stock. The straight handle C is attached to this slide. B represents the under slide or under half of the stock, to which the cross-handle E is attached. On one end of the slide B a flange, O, is turned up through which the bolt end of the slide A passes. The handle C fits against the flange

O, and by turning the handle C and nut D the under slide B is forced against the upper slide. The upper slide A has a tongue, G, extending through the whole length of the middle of the slide. The lower slide B has a groove, H, into which the tongue G slides, and is made to fit. The stock is made straight, and the tongue and groove are inclined at an angle parallel with the length of the stock, so that as the parts approach each other in closing the stock the straight parts of the stock in which the knives are inclosed are pressed together, holding the blades firmly in position. On the other end of the slide B is a bolt, F, which fits into a square socket in the cross-handle E. In the common knife a number of screws are used to hold the two parts of the stock together. In this but one screw is used at the end of the stock, and the knives are more readily adjusted and held in position.

We claim as our invention—

A currier's knife in which the parts of the stock are fitted together with a tongued and grooved joint formed as an inclined plane, which is tightened and held in position by a nut and screw at the end of the stock.

CHAS. A. GARDNER.
JOHN A. ENOS.

Witnesses:

J. A. BASSETT,
BENJ. M. HILLS.