

(Model.)

J. WESTBY & J. WHITFIELD.

MEANS FOR ATTACHING KNIVES TO THEIR HANDLES.

No. 528,452.

Patented Oct. 30, 1894.

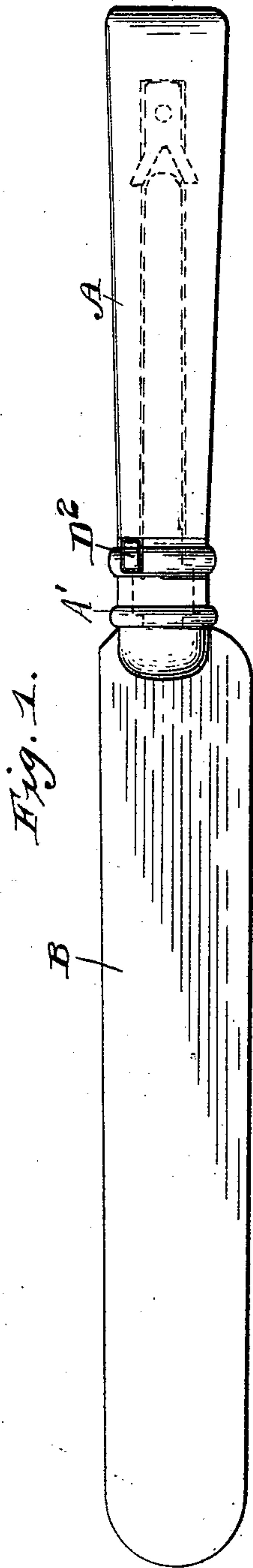


Fig. 1.

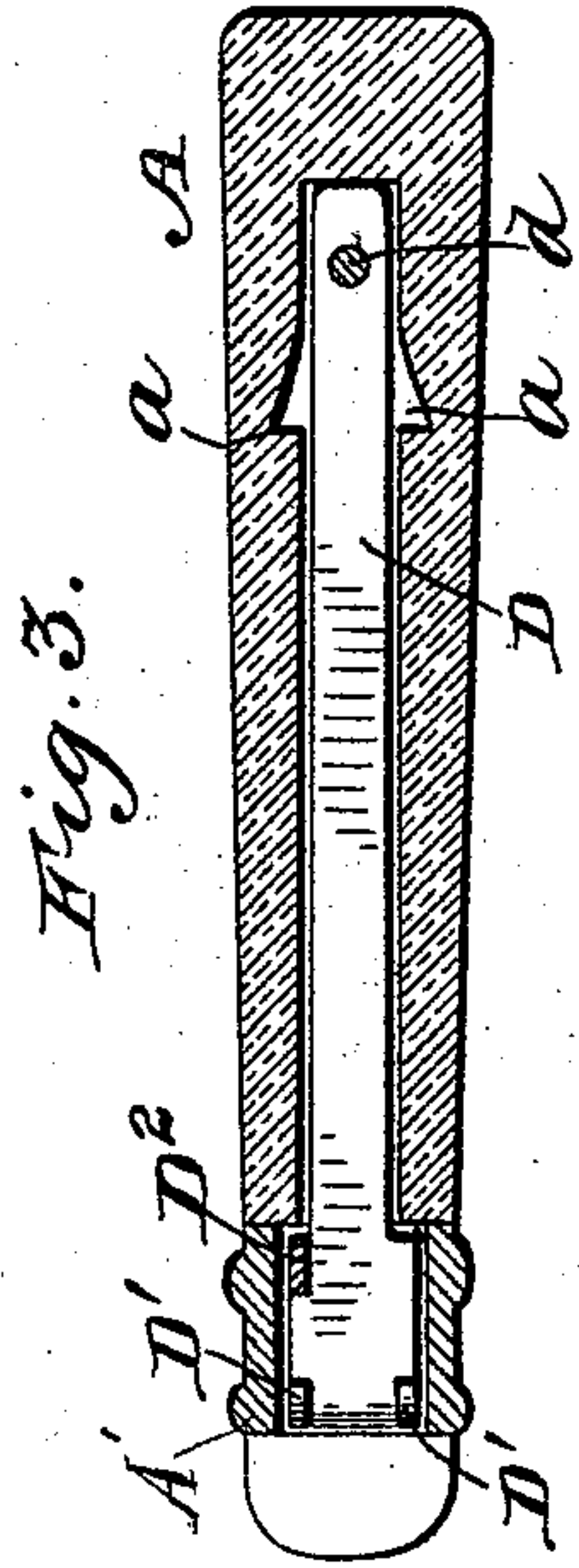


Fig. 3.

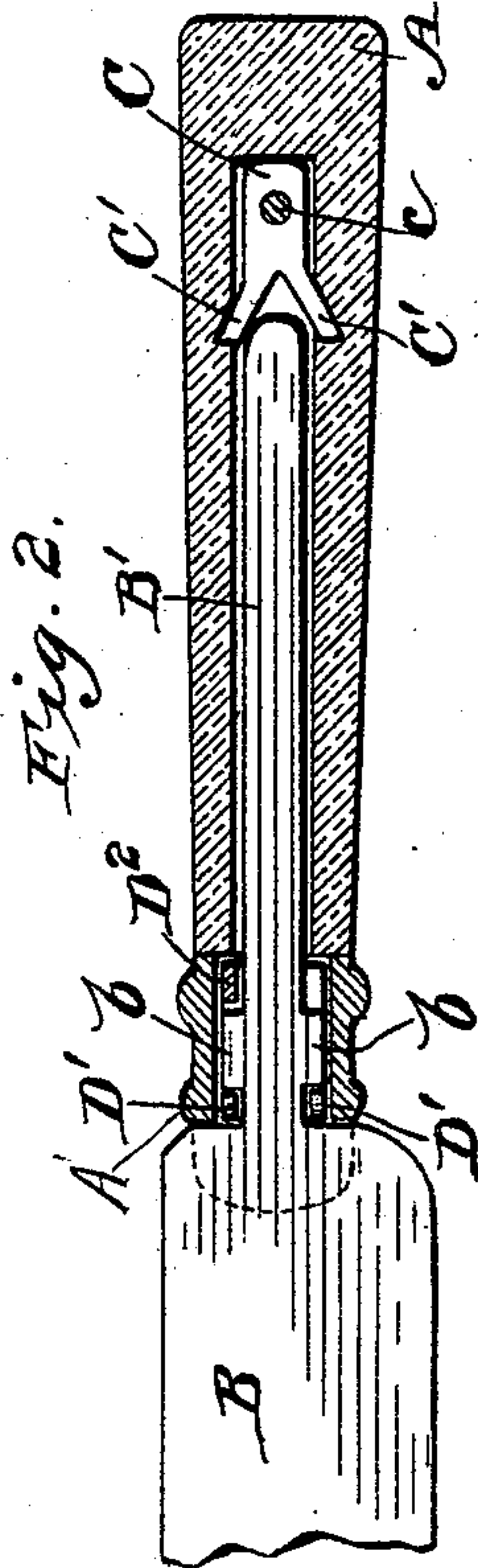


Fig. 2.

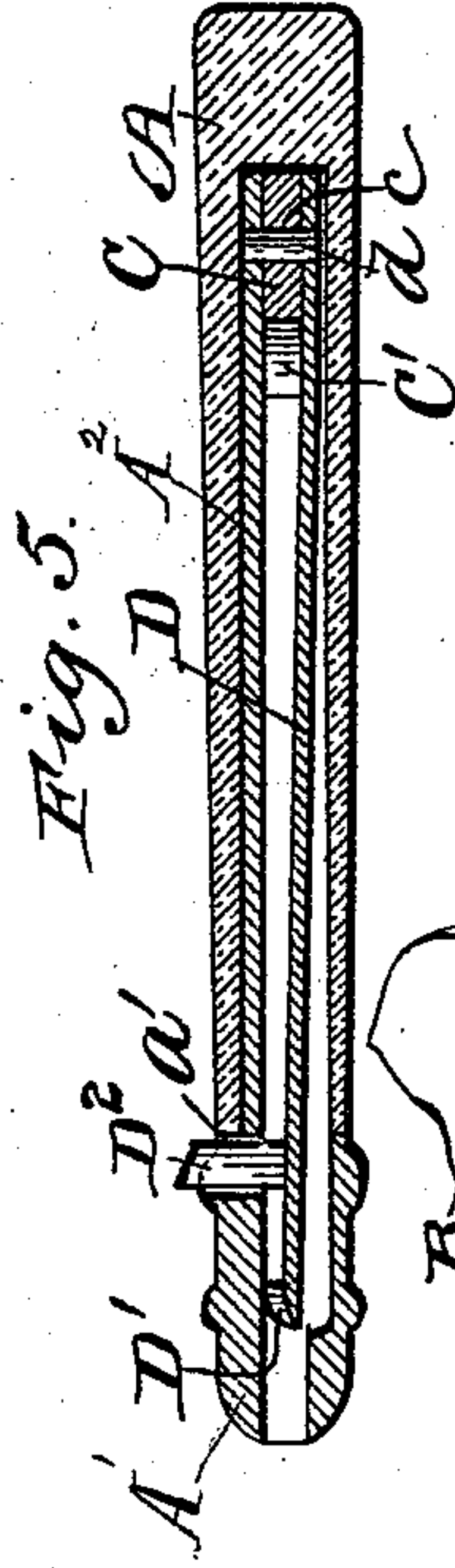


Fig. 5.

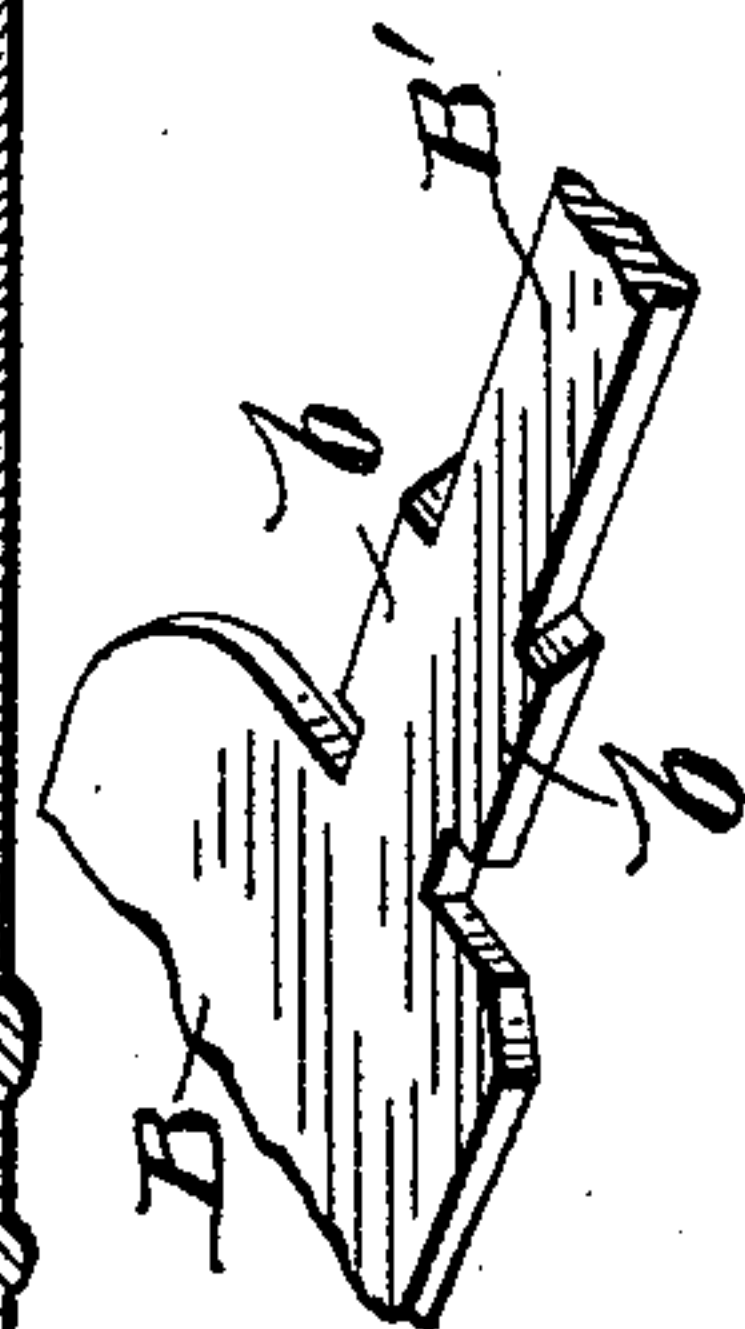


Fig. 7.

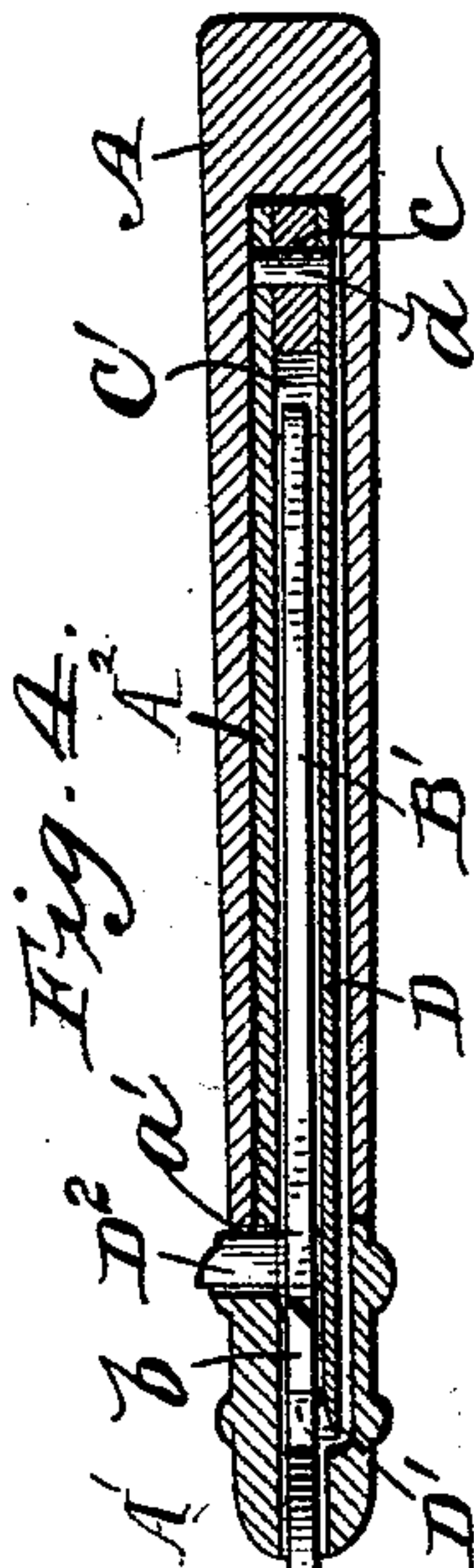


Fig. 4.

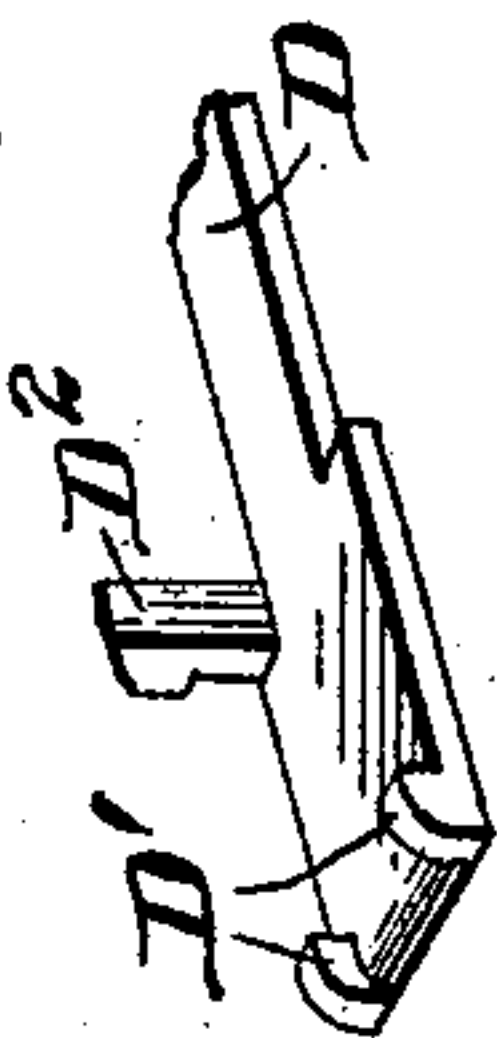


Fig. 6.

Witnesses

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# UNITED STATES PATENT OFFICE.

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## MEANS FOR ATTACHING KNIVES TO THEIR HANDLES.

SPECIFICATION forming part of Letters Patent No. 528,452, dated October 30, 1894.

Application filed October 16, 1893. Serial No. 488,319. (Model.) Patented in England May 18, 1893, No. 9,977.

*To all whom it may concern:*

Be it known that we, JOSEPH WESTBY, residing at 549 Crookes Moor Road, Sheffield, and JOSEPH WHITFIELD, residing at Elemeta Grange, Menston, Wharfedale, in the county of York, England, subjects of the Queen of Great Britain, have invented new and useful Improved Means for Attaching and Securing Knives, Forks, and the Like Implements to Their Handles, (for which we have obtained a patent in Great Britain, No. 9,977, bearing date May 18, 1893,) of which the following is a specification.

This invention relates to knives having a socketed handle provided with a spring catch for engaging a tang forming part of the blade.

The said invention has for its object to insure the firm attachment and easy detachment of the handle and the blade.

To this end the said invention consists in the construction and combination of parts hereinafter set forth and claimed.

In the accompanying drawings, Figure 1 represents a side elevation of a knife embodying our invention. Fig. 2 represents a longitudinal central section through the handle of the same, the blade being shown in side elevation. Fig. 3 represents a view similar to Fig. 2, with the blade removed. Fig. 4 represents a vertical central section taken in a plane at right angles to that of Fig. 2, the blade being shown in edge elevation. Fig. 5 represents a view similar to Fig. 4, the blade having been removed. Fig. 6 represents a detail perspective view of the end of the spring catch. Fig. 7 represents a similar view of the rear end of the blade and the proximate part of the tang.

A designates the hollow body of the knife handle which is provided at its forward end with a ferrule A', having a long plate or bar A<sup>2</sup> extending from it to within the said handle toward the closed end of the hollow or socket thereof, said bar or plate being located against one side of the said hollow or socket. A rivet c near the closed rear end of the said hollow or socket secures a fastening piece C and a spring-catch D to the said bar. The said spring-catch extends forward into the said ferrule where it is broadened and pro-

vided at its forward corners with two lugs D' having their forward faces rounded. The said spring-catch is also provided, a little behind the said lugs, with a push stud D<sup>2</sup> extending out through an opening a' in the side of the handle at the joint of the ferrule A' and the body A. The fastening piece C, which is located between the said bar and the said spring-catch, is provided with two lateral bifurcations C' capable of being bent out into recesses or notches a in the inner faces of the sides of the handle-body A.

To prepare the knife-handle for the blade, the bar A<sup>2</sup>, spring-catch D and fastening piece C are first riveted together as set forth and then passed into the hollow of the handle body A to the closed end thereof. A punch is then introduced and used to bend the bifurcations C' outward and force them into the notches or recesses a. They then effectually fasten the bar A<sup>2</sup> and spring D within the said handle body and hold the said ferrule A in place against the same.

B designates the knife-blade having an integral rearwardly extending tang B' adapted to pass through the said ferrule into the interior or socket of the knife body, until the handle end of the blade comes in contact with the said ferrule, and the rear end of the tang comes in contact with the fastening piece C. The said tang is provided near the said blade with lateral shoulders or flanges b having beveled rear faces for contact with the rounded faces of lugs D'. As the said tang is pushed into the handle the said beveled faces of the flanges come in contact with the rounded faces of the lugs and act on the same to depress the free end of the said spring catch. When the said shoulders or flanges have passed beyond the said lugs, the latter fly up by the resiliency of the said catch presenting their vertical rear faces to the corresponding forward faces of the said shoulders or flanges, so as to lock the said blade to the handle until it is released by pressure on the push stud D<sup>2</sup> which lowers the said lugs out of the way of the said shoulders again. This construction automatically and securely fastens the said blade to the said handle, but allows them to be readily separated at will.



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

1. A knife blade provided with a tang having two lateral shoulders beveled on their inner ends, in combination with a knife handle which receives the said tang and a spring catch fastened to the said handle within the socket of the same and provided with raised lugs which are rounded for contact with the beveled ends of the said shoulders but adapted to hold the tang and blade in place when they spring into their former position after the shoulders are pressed in beyond them substantially as set forth.

2. The body of a knife handle having notches or recesses in its inner face, in combination with a fastening piece having bifurcations adapted to be bent into the said notches or recesses, and a spring catch riveted to the said fastening piece, for engaging and holding the tang of a knife blade substantially as set forth.

3. A ferrule having a rearwardly extending bar or plate, a spring catch for engaging a knife blade tang and a fastening piece having bifurcations which are adapted to be bent outward, the said bar, catch, and fastening

piece being riveted together, in combination with a handle body formed with a hollow or socket to receive the parts thus riveted and having notches or recesses in its inner face to receive the said bifurcations substantially as set forth.

4. In combination with a hollow knife handle having a notched inner face, a fastening piece which in part is sufficiently flexible to be bent into contact with the said notched face, and a spring catch fixed to the said fastening piece and arranged to engage the tang of a knife blade substantially as set forth.

5. A ferrule having a rearwardly extending bar or plate, in combination with a fastening piece riveted to the said bar and in part capable of being bent outward, and a knife-handle body which is notched in its inner face to engage the fastening piece when thus bent, the said fastening piece operating to hold the said ferrule securely against the end of the said body substantially as set forth.

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