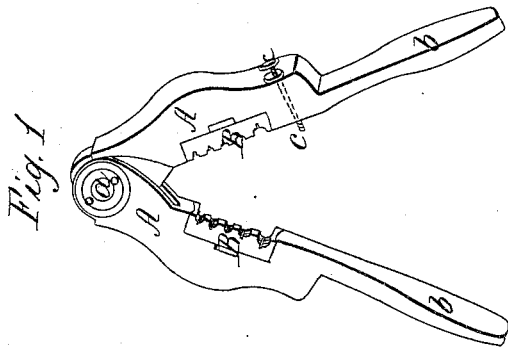
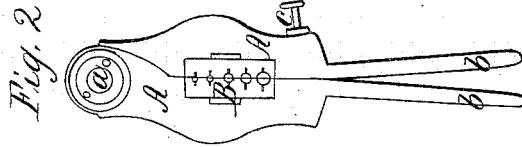


J. Koberle,

Die Stock,

Nº 49.687,

Patented Aug. 29, 1865.



Witnesses

M. Randolph
A. Wagner

Inventor
Joseph Koberle.

UNITED STATES PATENT OFFICE.

JOSEPH KOBERLE, OF THE KINGDOM OF BAVARIA.

IMPROVED DIE-STOCK.

Specification forming part of Letters Patent No. 49,687, dated August 29, 1865.

To all whom it may concern:

Be it known that I, JOSEPH KOBERLE, of the Kingdom of Bavaria, have invented a new Die-Stock for the purpose of cutting threads upon very small bolts, such as are used in watches, mathematical instruments, &c.; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon and forming part of this specification, in which—

Figure 1 is a perspective view of the stock and dies, the stock being opened. Fig. 2 is a plan of the stock closed up.

The nature of this invention consists in making the stock in two pieces, hinged together at one end and open at the other, which terminate in small handles, which may be grasped by the operator and brought together at his will, so as to close up against the bolt which is placed between the dies.

The stock A is made of steel or other suitable metal, and the two sides or parts of it are hinged together at *a*, while the other ends of them terminate in the handles *b*. There are recesses left in the inner sides of the stock-pieces, into which the dies B are fitted. There is a small set-screw, *c*, which may be set so as to keep the two parts of the stock at a certain

distance from each other, so as to make the dies cut the threads on a bolt of any required size.

When the operator wishes to use the stock he can take the stock between his thumb and forefinger and bring it up onto the bolt with a pressure which he can readily feel with his fingers to be as much as the bolt can stand; but if he should inadvertently apply too much pressure and twist the bolt off, he can remove the broken piece from the die in a moment by opening the die and dropping the broken piece out.

If the operator should wish to cut a thread on a bolt with a conical end, all he will have to do will be to file off the end of the bolt to the required conical shape and then apply the stock and dies, which will accommodate themselves to the required position by the delicate pressure of the thumb and fingers.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

The several parts, arranged and employed as described in this specification.

JOSEPH KOBERLE.

Witnesses:

M. RANDOLPH,
A. WAGNER.