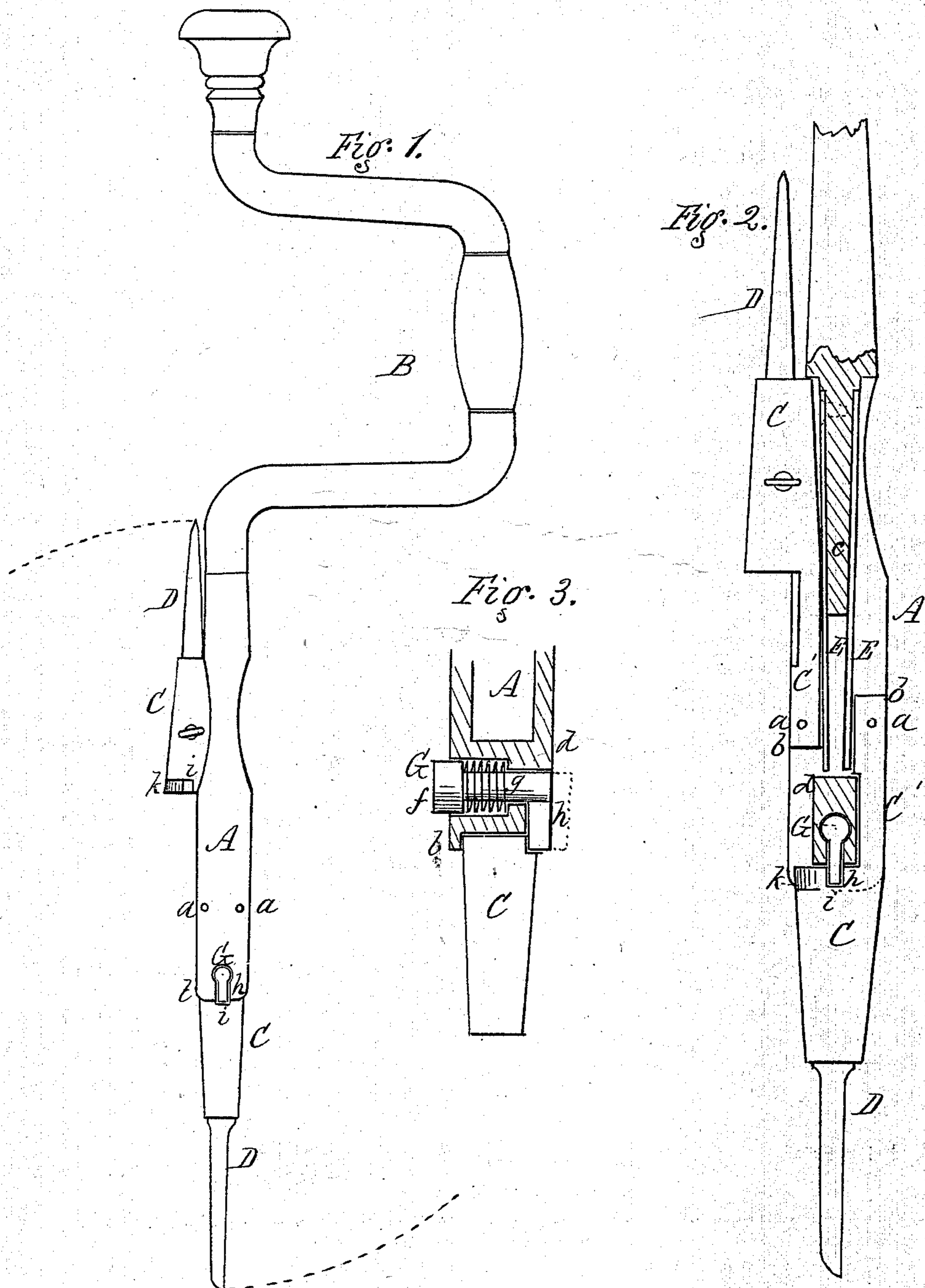


L. FEELY.
Bit-Stocks.

No. 146,056.

Patented Dec. 30, 1873.



Witnesses.
E. B. Scott.
Geo Devenport

Inventor.
Lawrence Feely,
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att'y

UNITED STATES PATENT OFFICE.

LAURENCE FEELY, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN BIT-STOCKS.

Specification forming part of Letters Patent No. **146,056**, dated December 30, 1873; application filed November 7, 1873.

To all whom it may concern:

Be it known that I, LAURENCE FEELY, of the city of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Combination Tool-Holders; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

My improvement is intended for use with an ordinary carpenter's brace or bit-stock, and is intended for holding two tools—for instance, a bit and a screw-driver—so arranged that one may be turned up out of the way when the other is in use, and vice versa. The invention consists more particularly of two sockets for the tools, pivoted to the holder, and resting against springs, which enable them to be turned up and down like the blade of a jack-knife.

A is the holder or shank, attached either permanently or loosely to an ordinary carpenter's brace or bit-stock, B. C C are the two sockets for holding the tools D D. The sockets are provided with shanks C' C', which rest flush in cavities in the sides of the holder, and are pivoted at *a a*, so as to leave cam ends *b b*, which rest against the springs E E. These springs may be of any desired form, but I prefer that in the drawing, which is flat; and the two springs are screwed or otherwise attached to a central fillet, *c*, of the holder. Thus arranged, it will be seen that the sockets may be turned either up or down, at pleasure, and the springs, reacting against the shanks of the sockets, will cause them to spring into place, and be retained in proper position. G is a catch or thumb-lock, resting in a socket in the block *d* of the holder. It has a head, *f*, projecting on one side, and a reaction is produced by a coiled spring, *g*, or equivalent, which encircles it. At the opposite end is a tang, *h*, like the bit of a key, which projects downward or outward a suitable extent. The upper end of each socket C C has a notch, *i*, which coincides with the tang *h* when said socket is turned fully down, and this tang strikes into

the notch, thereby locking the socket, and preventing any displacement of the same when in use. The outer edge of the end of each socket is also provided with an inclined plane, *k*, over which the tang rides to strike into the notch, as before described. The lower end of the holder has two lips or flanges, *l l*, between which the upper ends of the sockets strike when turned down, being thereby inclosed and strengthened against lateral strain in use. This, in connection with the lock before described, holds the sockets tightly in place, and prevents any loose movement.

The invention above described is useful to workmen, as it allows two tools to be used at once without laying down the bit-stock. To make the change, it is only necessary to turn one tool up and the other down, as described. It is particularly useful as a bit and screw-driver holder, as it enables the screw-holes to be bored and the screw driven at once, and without releasing the part being operated on, to do which would frequently disarrange the adjustment and spoil the work.

Instead of the form of the catch G shown in the drawings, any equivalent form may be employed which will lock the sockets in place when thrown down.

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

A brace or bit-stock having two sockets or bit-holders, C C, pivoted to the holder A, and adapted to receive different tools, in combination with the flat springs E E, arranged in the holder A, between it and the sockets C, substantially as described, for the purpose described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

LAURENCE FEELY.

Witnesses:

R. F. OSGOOD,
E. B. SCOTT.