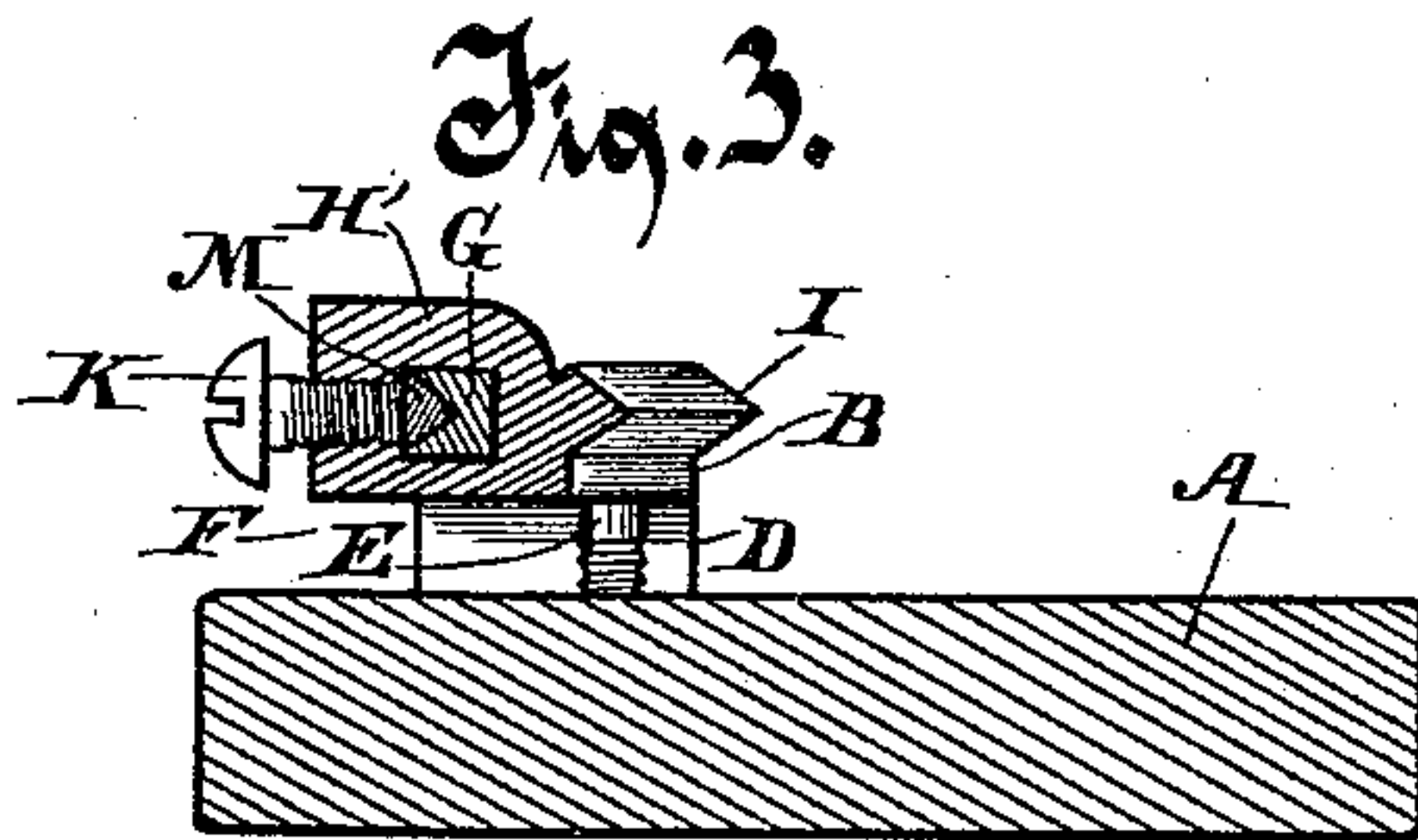
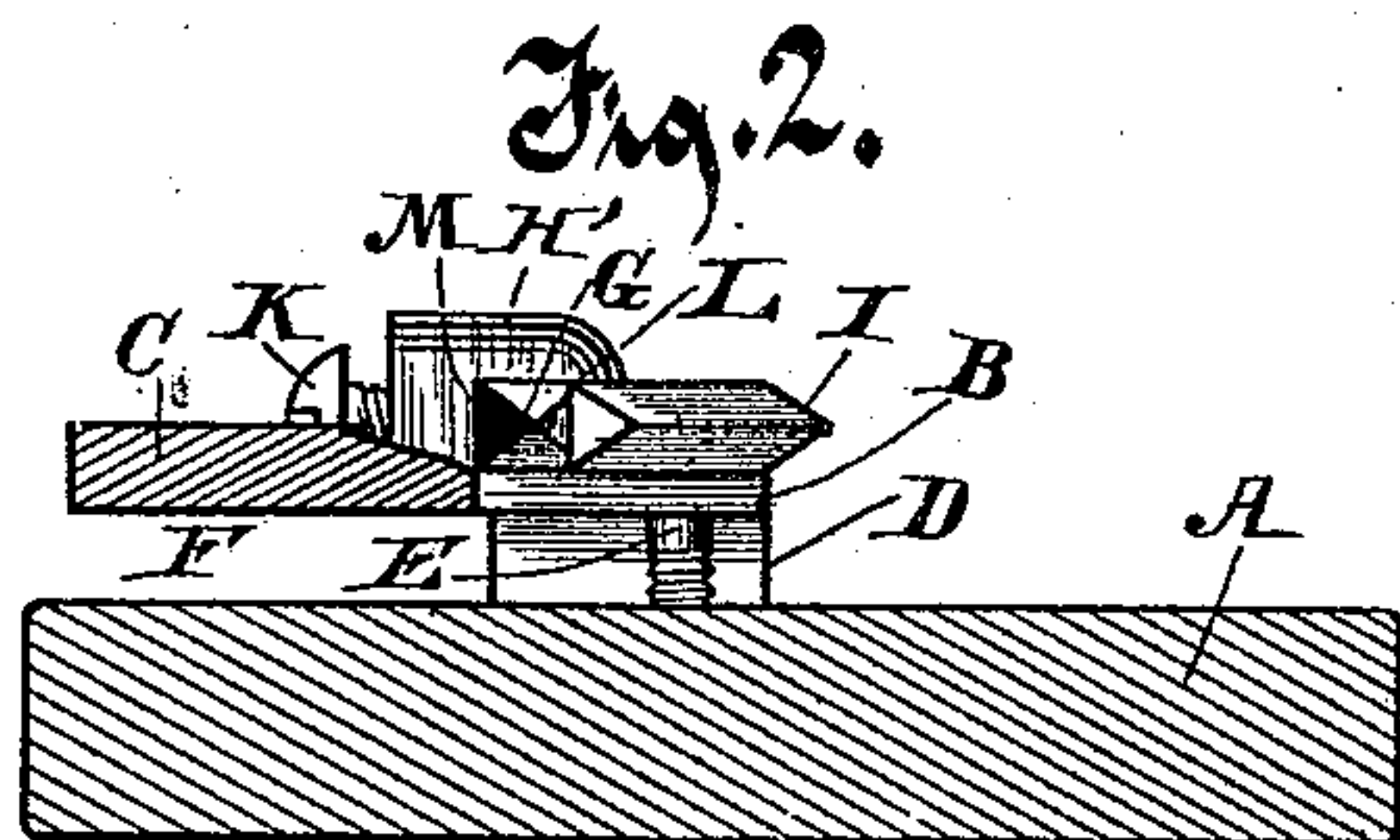
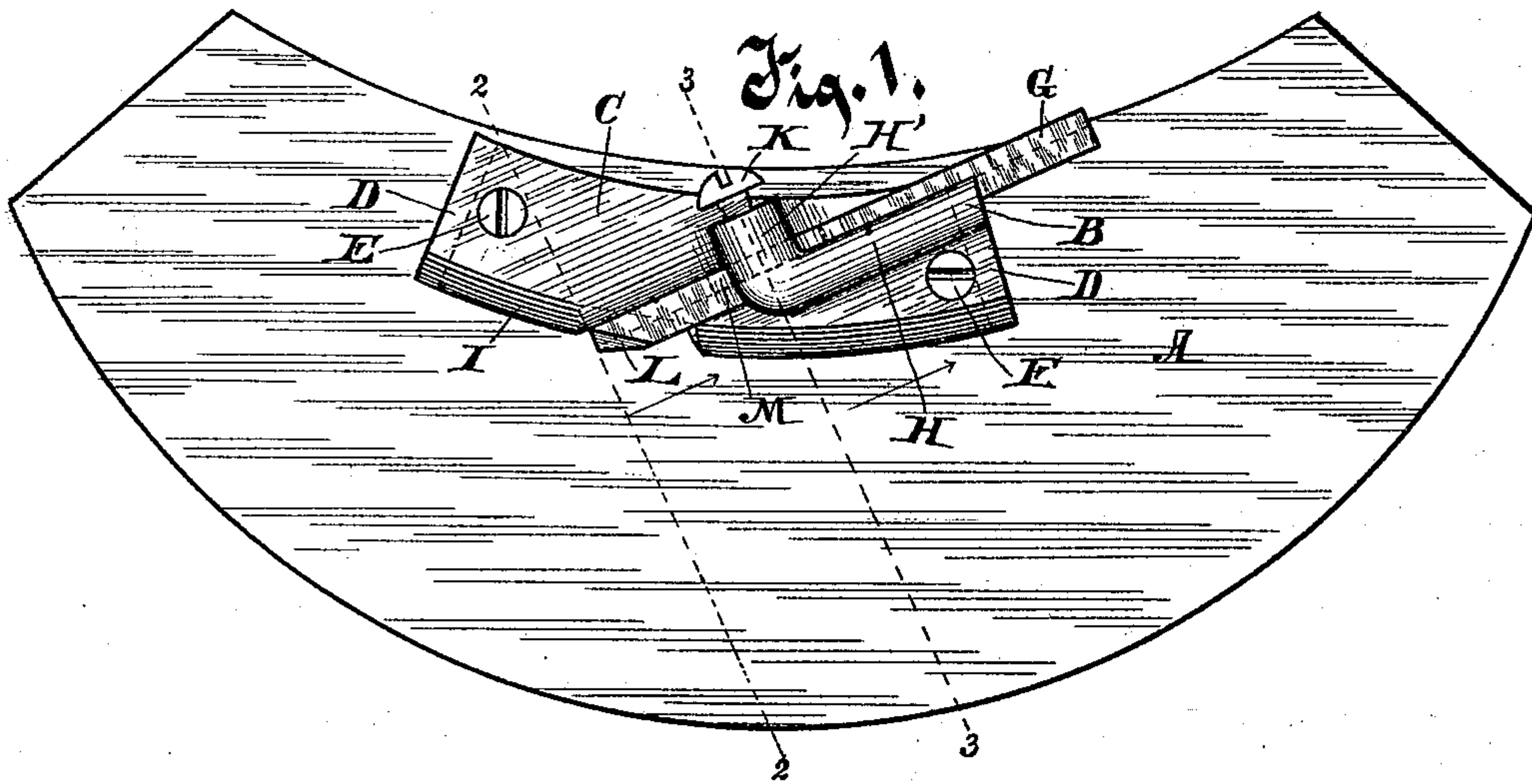


(No Model.)

K. W. JACOBS.
CROZE.

No. 459,457.

Patented Sept. 15, 1891.



Witnesses.

C. H. Keeney.

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UNITED STATES PATENT OFFICE.

KENNETH W. JACOBS, OF MILWAUKEE, WISCONSIN.

CROZE.

SPECIFICATION forming part of Letters Patent No. 459,457, dated September 15, 1891.

Application filed February 7, 1891. Serial No. 380,704. (No model.)

To all whom it may concern:

Be it known that I, KENNETH W. JACOBS, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Improvement in a Croze, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

My invention relates to improvements in a croze, the object of which is to provide a device with the minimum amount of material, and consequently of weight, at the same time to secure the most desirable form of the various parts for strength, endurance, and ready adjustment.

In the drawings, Figure 1 is an elevation of the complete device. Fig. 2 is a transverse section on line 2 2 of Fig. 1. Fig. 3 is a transverse section on line 3 3 of Fig. 1.

The stock A is constructed of wood and is in the form and of a size common in such implements.

The tool-holder B is constructed of metal, and has a plate or body part C and terminal flanges D D, which flanges extend laterally substantially at right angles to the face of the body part C and rest at their extremities on the surface of the stock A. The tool-holder is secured permanently to the stock by screws E, a space F being thus formed between the body of the tool-holder and the stock between the flanges D D. An oblique channel substantially square in cross-section is formed through the body C, in which the tool or bit G is located. This bit-receiving channel is cut in the outside of the body of the tool-holder, and a rib H is formed on the body part C along one edge of the channel, and at its inner end the rib changes its direction and extends at right angles across the tool-receiving channel, forming a part H'. The tool-receiving channel is formed partly in the body part C and partly in the rib H and transversely through the part of the rib H'. The longer longitudinal edge I of the tool-holder B is curved longitudinally and is V-shaped in cross-section. The bit G is formed of a square bar of steel having its outer sur-

face grooved longitudinally, preferably in V shape, and a set-screw K, turning in the rib H', bears against block M, fitted and movable in the groove in the bit, and locks the bit in position adjustably. The cutting end of the bit is ground and beveled off at L rearwardly, so as to form a sharp cutting-edge about the V-shaped groove and at right angles to the axis of the bit. A bit thus formed of a square bar of steel grooved as described is easily and inexpensively constructed, has a broad and desirable bearing in its seat, and is strong and enduring at its cutting-edge. The tool-holder thus constructed contains a minimum amount of material, but is strong in those parts where strength is required, and furnishes a reliable support for holding and retaining the bit in place.

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

1. In a croze, a tool-holder having a plate-body, a right-angled rib formed on one surface thereof, a square channel formed obliquely in the body and in and through the rib, and a bit formed of a square bar of metal having a flat bearing-surface opposite to a holding-screw K, turning in the rib against a block in the bit, combined substantially as described.

2. In a croze, a tool-holder having a bit-receiving channel, a bit formed of a square bar of metal and having a groove in its outer surface, and a set-screw turning in the rib on the holder against a block in the groove of the bit, all combined substantially as described.

3. In a croze, a bit formed of a square bar of steel having a longitudinal V-shaped groove in its outer surface and the cutting end of the bit beveled off rearwardly from and about the sides of the groove, forming a V-shaped cutting-edge at right angles to the axis of the bit, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

KENNETH W. JACOBS.

Witnesses:

C. T. BENEDICT,
ANNA V. FAUST.