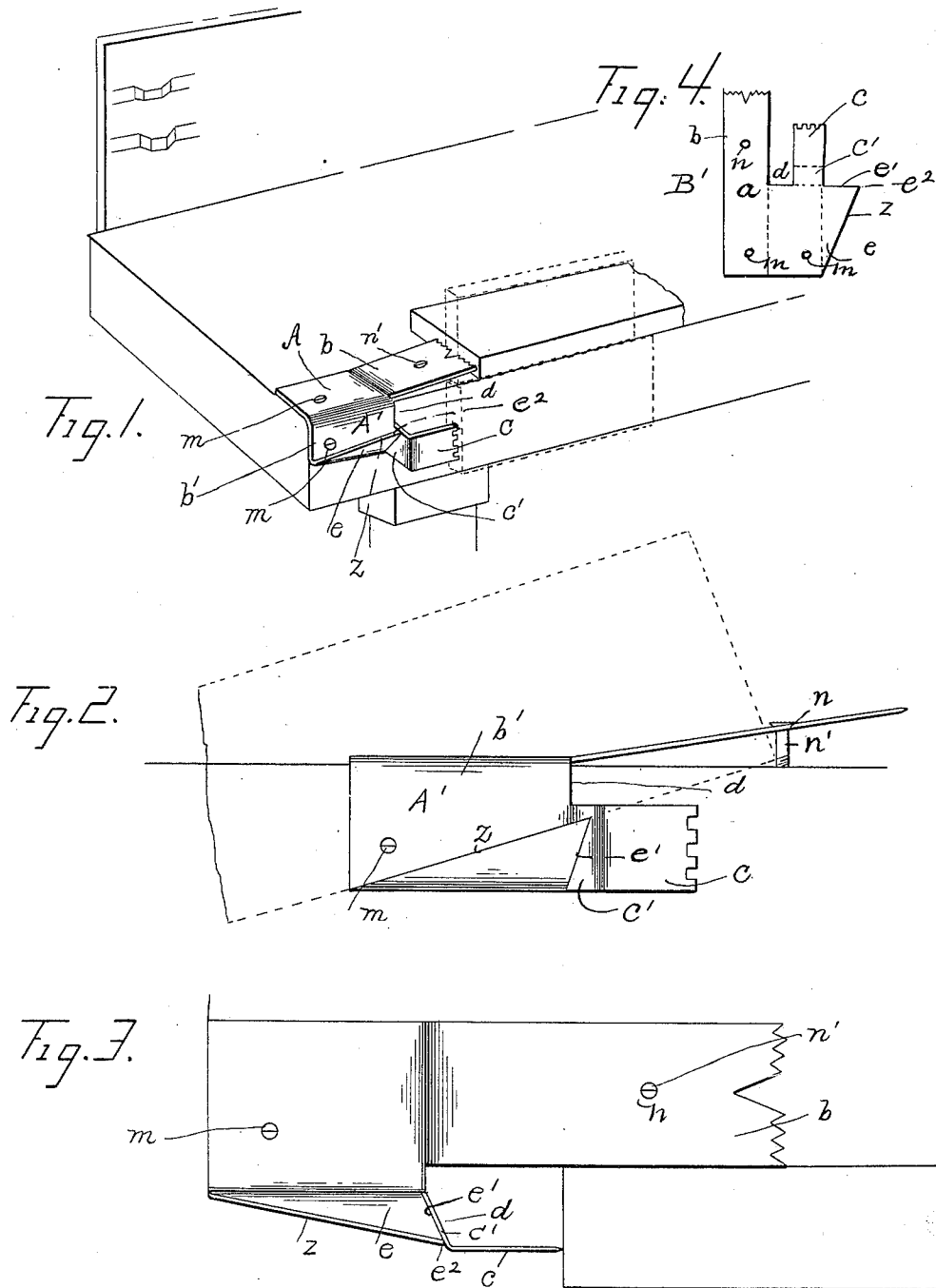


R. P. WHIPPLE.

BENCH HOOK.

(Application filed Jan. 9, 1900.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT OFFICE.

ROLLIN P. WHIPPLE, OF GREENFIELD, MASSACHUSETTS.

BENCH-HOOK.

SPECIFICATION forming part of Letters Patent No. 649,379, dated May 8, 1900.

Application filed January 9, 1900. Serial No. 885. (No model.)

To all whom it may concern:

Be it known that I, ROLLIN P. WHIPPLE, a citizen of the United States, and a resident of Greenfield, in the county of Franklin and State of Massachusetts, have invented certain new and useful Improvements in Bench-Hooks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a perspective view of the invention as applied. Fig. 2 is a side elevation of the invention. Fig. 3 is a top plan view of same. Fig. 4 is a plan view of the blank.

This invention has relation to carpenters' bench-hooks; and it consists in the novel construction and combinations of parts, as hereinafter set forth.

In the accompanying drawings the letter A designates the bench-hook, which is preferably made of sheet-steel from a blank indicated at B'. The blank consists of the body portion *a*, having the parallel projections *b* and *c* at right angles thereto and separated by a narrow interval at *d*, and the lateral angular projection *e* at the end of the body portion, said angular projection extending beyond the root of the longitudinal projection *c* and having an oblique edge *z*. Dotted lines on the blank indicate the position of the bends. At its junction with the body portion *a* the broad projecting portion *b* is bent slightly out of plane with said body portion upward. At the interval *d* the body portion is bent at right angles downward. At its junction with the body portion the projection *c* is bent laterally outward at right angles, or nearly so, and then again bent forward in a plane parallel to the downward-bent flange A' of the body portion. The ends of the projections *b* and *c* are suitably toothed or serrated to hold the work securely. The angular projection *e* is bent upward and outward obliquely, its shoulder end *e'* abutting against

the outward or shoulder portion *c'* of the projection *c* to support the same. The angular corner *e²* of the angular projection *e* in the bent position is about level with the upper edge of the shoulder *c'* of the projection *c*. These projections *c* and *e* are in this matter relatively strengthened and adapted to form strong abutments for the work. Screw-holes are formed at *m m* and *n*, the latter being designed for the reception of an adjusting-screw, (indicated at *n'*.) Through the holes *m* and *m* the screws are passed which serve to secure the hook to the bench.

This device is usually made, as described, of a single piece of steel, and when formed as described consists of a body portion bent at right angles to form a side flange, the main portion having a projecting part rising at a slight angle from the plane of said main portion and the flange portion having a right-angled projection and in rear thereof and supporting the same an oblique lateral angular projection. It is designed to hold a board flat or edgewise on the top of the bench, and it will also hold a board on the side of the bench to plane the edge. It will also hold a board across the corner of the bench to take the corner off the board, this being accomplished through the bearing afforded by the angularly-projecting portion.

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

1. A bench-hook, consisting of a body portion arranged to be firmly secured to the bench, a forward toothed extension of said body, a flange of said body at right angles thereto having an extension bent outwardly and forwardly of said flange and toothed at its front edge, substantially as specified.

2. A bench-hook consisting of a body portion, having a forward toothed extension, a flange of said body portion bent downwardly therefrom a toothed extension of said flange bent first outwardly and then forwardly and a second extension of said flange bent upwardly into bracing engagement with the outwardly-bent portion of the first-named extension of said flange.

3. A bench-hook consisting of a body portion having a forward toothed extension, a flange of said body portion at right angles thereto, a toothed extension from the front edge of said flange bent first outwardly and then forwardly and a triangular extension of said flange bent upwardly into bracing engagement with the outwardly-bent portion of

said first-named flange, substantially as specified. 10

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

ROLLIN P. WHIPPLE.

Witnesses:

LYMAN W. GRISWOLD,
FRANK L. JUDD.