H. C. HART.

SQUARE.

APPLICATION FILED SEPT. 8, 1909.

1,091,332. Patented Mar. 24, 1914.

Fig. 1.

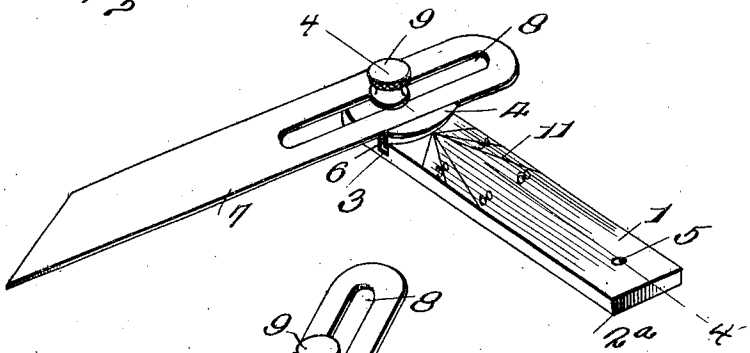


Fig. 2.

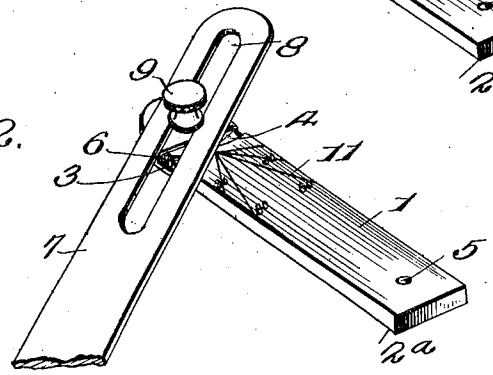


Fig. 3.

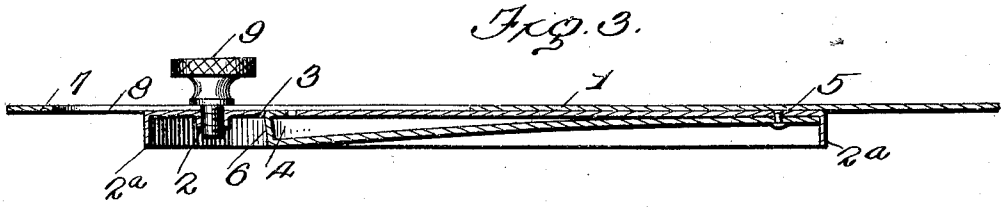
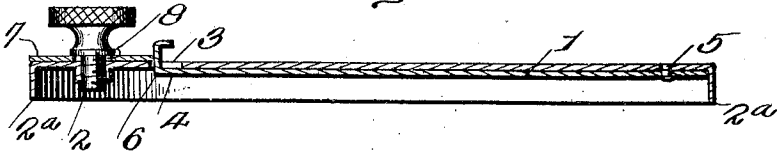


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SQUARE.

1,091,332. Specification of Letters Patent. **Patented Mar. 24, 1914.**

Application filed September 8, 1909. Serial No. 516,750.

To all whom it may concern:

Be it known that I, HUBERT C. HART, a citizen of the United States, residing at Unionville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Squares, of which the following is a specification.

This invention relates to improvements in squares, designed primarily from mechanic's use.

The object of the invention is to provide a tool of sheet metal, capable of being used as an ordinary square, or set in adjusted position to be employed for accurately obtaining bevel surfaces.

The invention also relates to improvements in the specific form of base, and the means employed for locking the blade to said base when the tool is used as an ordinary square, whereby to accurately position said blade and base.

The invention also relates to the specific details of construction and arrangement of parts to be hereinafter described, and particularly pointed out in the claims.

In the drawings: Figure 1, is a perspective view of my improved tool when using the same as an ordinary square. Fig. 2, is a similar view when in use as a beveling tool. Fig. 3 is a longitudinal section showing the tool folded. Fig. 4, is a similar view taken on the line 4—4 Fig. 1.

The numeral 1 indicates a base made from sheet metal and having its edges turned down to provide outwardly extending flanges 2^a, which extend entirely around the edge of the base. This construction forms a continuous rim entirely around the base, as clearly shown in the drawing. Near one end of the base is a threaded opening 2, and spaced therefrom is a transverse slot 3. The base portion is projected inwardly adjacent the opening 2, to provide extended walls to receive the threads, and to form a substantial bearing for the screw. The flanges 2^a, form a housing for a flat spring catch 4, fastened at 5, and having one end bent upwardly through the transverse slot 3, the outer end of the bent end being reversely bent to provide a finger piece, as at 6.

The blade indicated at 7, is of flat metal and is formed with a longitudinal slot 8, through which a set screw 9 passes, the same engaging the threaded opening 2 in the base.

To use the tool as a square, the set screw 9 is released and the blade is turned from the closed position shown in Fig. 3, to the position shown in Fig. 1. In the folded position the blade compresses the spring catch 4 and immediately it is turned to open position and alines with the upturned end of the catch the latter is forced up in its slot and bears against the edge of the blade and fixes its angular disposition with reference to the base. The set screw is then tightened and the two members are rigidly fastened together. The slot permits of the adjustment of the length of the blade, according to the convenience of the mechanic using the tool.

On the upper surface of the base are lines 11, with appropriate characters to indicate the degree the blade may be set. The indicating lines 11, in the top of the base permit of positioning the blade at different angles, for gaging defining beveled surfaces as will be obvious.

The invention is extremely simple in construction and by reason of the arrangement of parts is durable and substantial and is not liable to get out of order.

What I claim is:

1. A tool of the character described, comprising a base formed of sheet metal and having its edges bent to provide an outwardly extending flange, one surface of the base being flat throughout its entire length and formed with a transverse slot and a threaded opening, the metal forming the surface of the base being extended inwardly to form extended walls of the threaded opening, a blade mounted on the flat surface of the base and extending outwardly therefrom, a screw engaging the threaded opening in the base and the blade to lock the latter in position on said base, and a spring catch secured to the base and having one end bent and extended through the transverse slot in the base, the edge of the blade engaging the bent end of the catch to hold said blade against movement.

2. A tool of the character described comprising a base of sheet metal formed with a

slot and having its ends bent to provide an outwardly extending flange, a spring catch secured to the under side of the base and having a bent end extending up through the slot in the base, the bent end having a flat transverse face, a blade pivoted to the upper side of the base and when turned at right angles thereto engages the transverse face of the catch, and means for pivotally mounting the blade to the base.

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

HUBERT C. HART.

Witnesses:
GEORGE E. TAFT,
H. G. WOODRUFF.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents Washington, D. C."