

No. 858,791.

PATENTED JULY 2, 1907.

F. G. BREUL.
SQUARE.

APPLICATION FILED APR. 15, 1907.

Fig. 1.

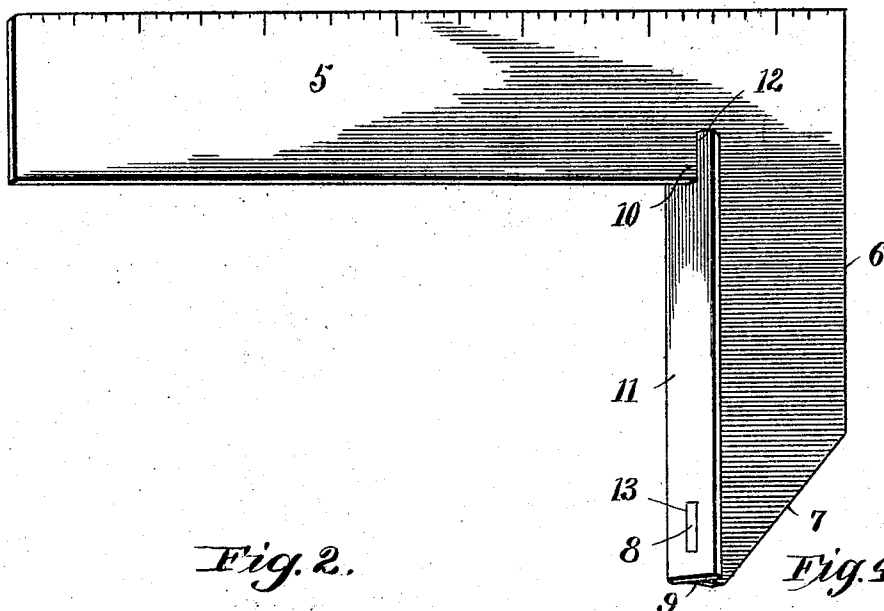


Fig. 2.

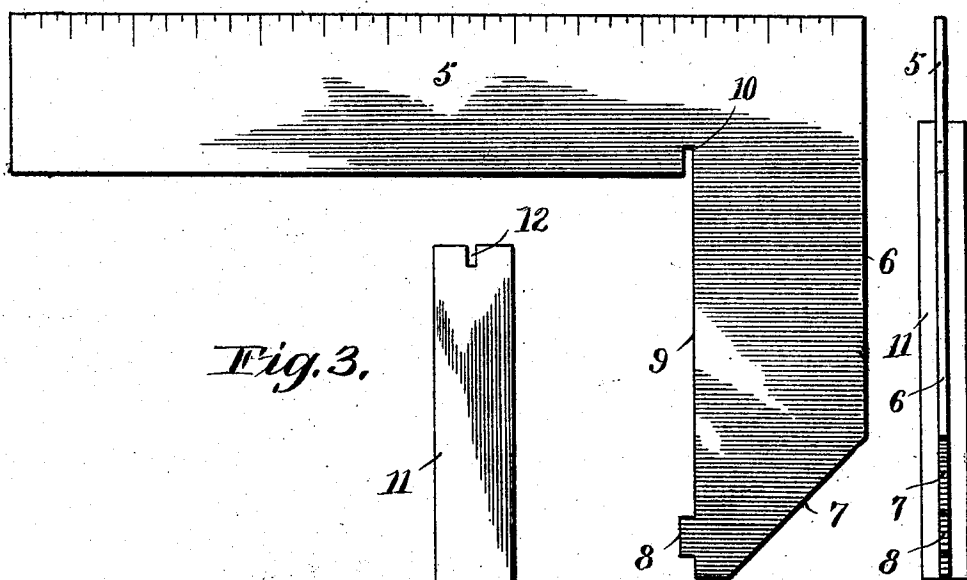
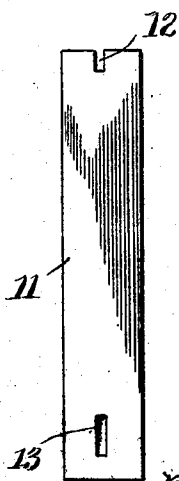


Fig. 3.



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SQUARE.

No. 858,791.

Specification of Letters Patent.

Patented July 2, 1907.

Application filed April 15, 1907. Serial No. 368,394.

To all whom it may concern:

Be it known that I, FREDERICK G. BREUL, a citizen of the United States, and a resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Squares, of which the following is a specification.

This invention relates to new and useful improvements in squares and more especially to try squares for mechanics' use, as for instance carpenters, cabinet makers, etc.

It is the object of my invention to produce a square which can be made from sheet metal in an inexpensive and practical manner; to construct the square along the most durable lines possible consistent with a minimum amount of material and labor, and in this way provide a merchantable article that can be manufactured and placed upon the market to sell as a cheap square, as for instance on a ten cent counter.

Referring to the accompanying drawings forming a part of this specification and upon which similar characters of reference denote like or corresponding parts throughout the several figures, Figure 1, shows a perspective view of my improved square complete. Fig. 2, a side elevation of the main or angular body portion of the square. Fig. 3, a detached side elevation of the face plate forming a part of the square, and Fig. 4, a back elevation of the square as shown in Fig. 1.

As will be noted from the drawings my square is designed to be made from two parts of sheet metal, both of which are adapted to be stamped up, ready to be assembled by but one further operation to form the complete square as will later be explained.

In detail, 5 represents the longitudinal blade portion of the square and 6 the back which is obviously formed integral with the blade and extends at a right angle therefrom to form an L. The outer lower corner of the back is preferably cut away as at 7, and a lug 8 is formed upon the lower inner edge 9 of the back for the attachment of the face plate 11. At the inner corner of the blade and back portions 5 and 6 I provide a vertically disposed slot 10 which is in line with the inner edge 9. Both the lug 8 and the pocket 10 serve as engaging means for the face plate 11 which is arranged longitudinally against the said inner edge 9 of the back with its face disposed transversely thereof or at right angles to face of back to form a wide engaging surface or straight edge for said back.

The upper end of the face plate is provided with a slot of a width equal to that of the thickness of the blade and is adapted to receive that portion of the

blade immediately adjoining the bottom of the pocket 10 when the plate is shoved up into said pocket as in the assembling of the two parts. The lower portion of the face plate contains an oblong orifice 13 corresponding in size and shape to the lug 8 upon the inner edge of the back and is thus adapted to snugly receive said lug when the face plate is attached as shown in Figs. 1 and 4. The said extension is obviously hammered down and finished off flush with the face of the plate after the parts are assembled so as to hold the lower edge of plate against the back and likewise furnishing a smooth unbroken face for the plate as would obviously be desired.

By reason of the interlocking pocket and slot connection provided intermediate of blade and upper end of plate, the latter is firmly retained in its relative position when the plate is secured at the lower end as by means of the riveted lug connection with the orifice, thus providing a method of assembling which requires but one operation to properly secure the parts together, to form a practical and inexpensive device.

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

1. A square formed of sheet metal and comprising integral blade and back portions having a vertically disposed pocket extended in edge of blade, a face plate adapted to be inserted in said pocket and having a slot in its upper end to interlock with the edge of pocket of blade, and means for securing the lower portion of said plate to edge of said back.

2. A square formed of sheet metal and comprising integral blade and back portions having a vertically disposed pocket extended in edge of blade in line with the inner edge of back, a face plate adapted to be inserted in said pocket and having a longitudinally disposed slot in its upper end to receive the edge of blade adjoining said pocket, and means for securing the lower portion of said plate to edge of said back.

3. A square formed of sheet metal comprising an integral L-shaped blade and back having a vertically disposed pocket extended in under edge of blade in line with the inner edge of the back, an integral lug extended from lower portion of inner edge of back, a face plate adapted to be inserted in said pocket and having a centrally and longitudinally disposed slot in its upper end to receive the edge of blade adjoining said pocket, an orifice in the lower end of the plate to receive the extended lug whereby the plate is secured to the edge of back.

Signed at Bridgeport, in the county of Fairfield, and State of Connecticut, this 12th day of April, A. D. 1907.

FREDERICK G. BREUL.

Witnesses:

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