No. 659,032. Patented Oct. 2, 1900.

E. C. LARSEN.

SMOOTH SURFACE FOLDING SQUARE.

(Application filed Nov. 20, 1899.)

(No Model.)

Fig. 2

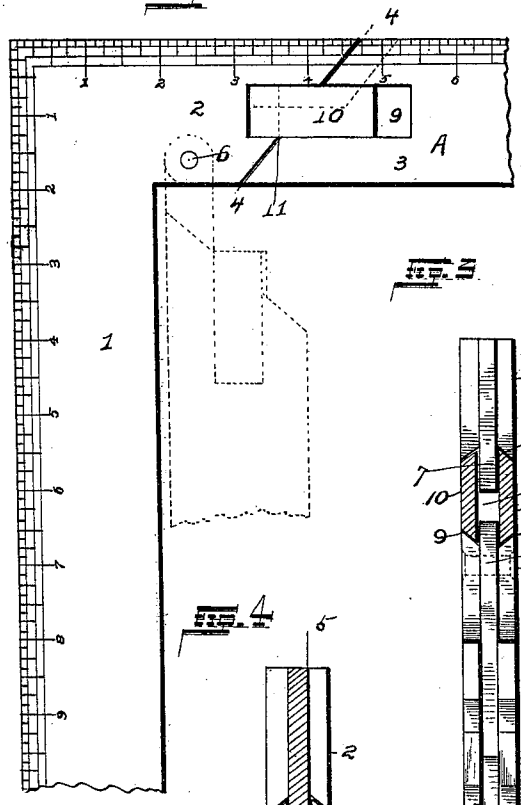


Fig. 1

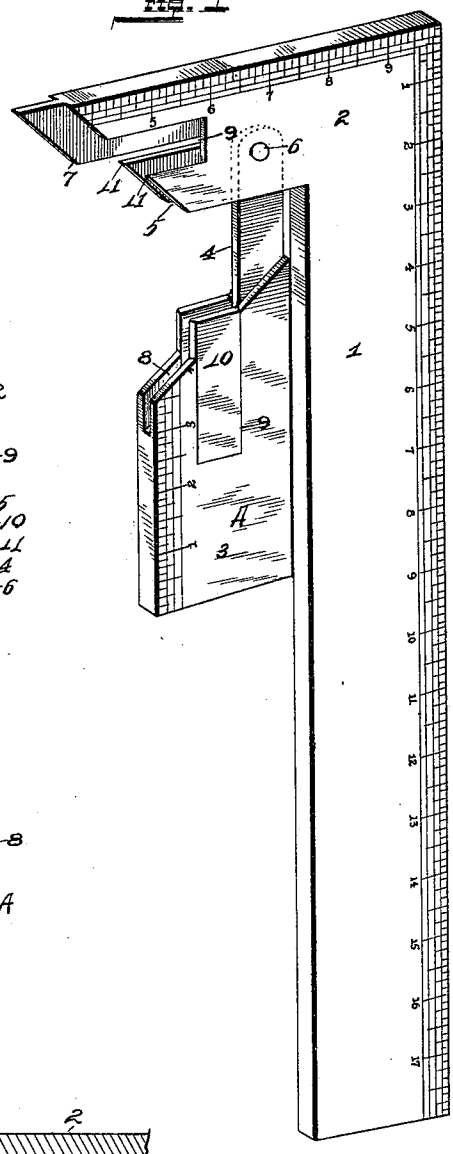


Fig. 3

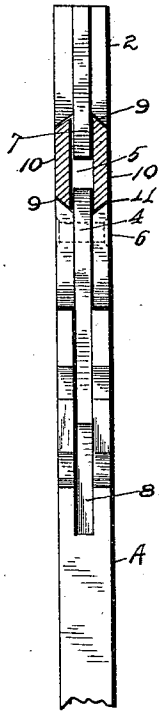


Fig. 4

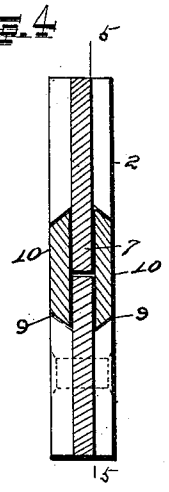
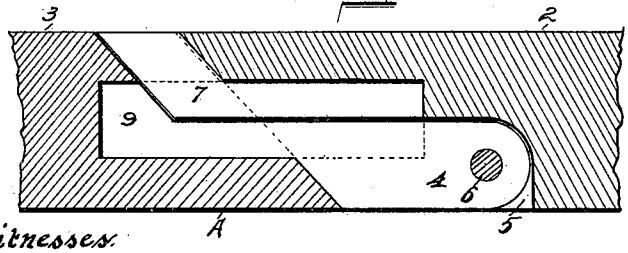


Fig. 5



Witnesses:

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EDDY C. LARSEN, OF ST. LOUIS, MISSOURI.

SMOOTH-SURFACE FOLDING SQUARE.

SPECIFICATION forming part of Letters Patent No. 659,032, dated October 2, 1900.

Application filed November 20, 1899. Serial No. 737,617. (No model.)

To all whom it may concern:

Be it known that I, EDDY C. LARSEN, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Smooth-Surface Folding Squares, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

This invention relates to folding squares; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

The object of this invention is to construct a square which can be folded and carried in the pocket of the one using it or placed in a small chest, said square being provided with a means whereby it can be locked in its normal or square position.

Figure 1 is a perspective view showing my invention in a folded position. Fig. 2 is a side view of the square in a normal or square position. Fig. 3 is a front view of Fig. 1. Fig. 4 is a view of Fig. 2 on the line 4 4. Fig. 5 is a longitudinal sectional view of the folding arm, showing the construction of the same, taken on line 5 5 of Fig. 4.

In the construction of this device I provide a square 1, having the arm A, consisting of two parts 2 3, separating along the oblique line 4 4. Integral with the part 3 is the arm 4, which projects into a mortise 5 in the part 2 and is there pivoted by the pin 6. A tenon 7 on the part 2 fits into the mortise 8 in the part 3 when the parts are in their normal or square position, as shown in Fig. 2. A key-seat 9 is arranged on each side of the arm A, a portion of said key-seats lying in each of the parts 2 3. Into said key-seats are dovetailed the locking-keys 10. The portions of the key-seats 9 lying in the part 3 are of equal length with the keys 10 in order that said keys 10 may be slid back into the key-seat 9 past the point 11, allowing the part 3 to be folded in the manner shown in Fig. 1.

A device of this kind would be both convenient and useful. It can be easily folded and carried in a small box or in the pocket of any one using it, and little cost is necessitated in its construction.

I claim—

A folding square having one side composed of two parts 2, 3, the part 2 being integral with the main part of the square, an arm 4 integral with the part 3, the said arm being pivotally secured within a mortise in the part 2, a tenon 7 integral with the part 2 and operating within a mortise in the part 3, and a key removably carried on each side of the folding part 3 for locking the same in a normal or square position, substantially as specified.

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

EDDY C. LARSEN.

Witnesses:

ROSCOE F. BIENENSTOK,

JOHN C. HIGDON.