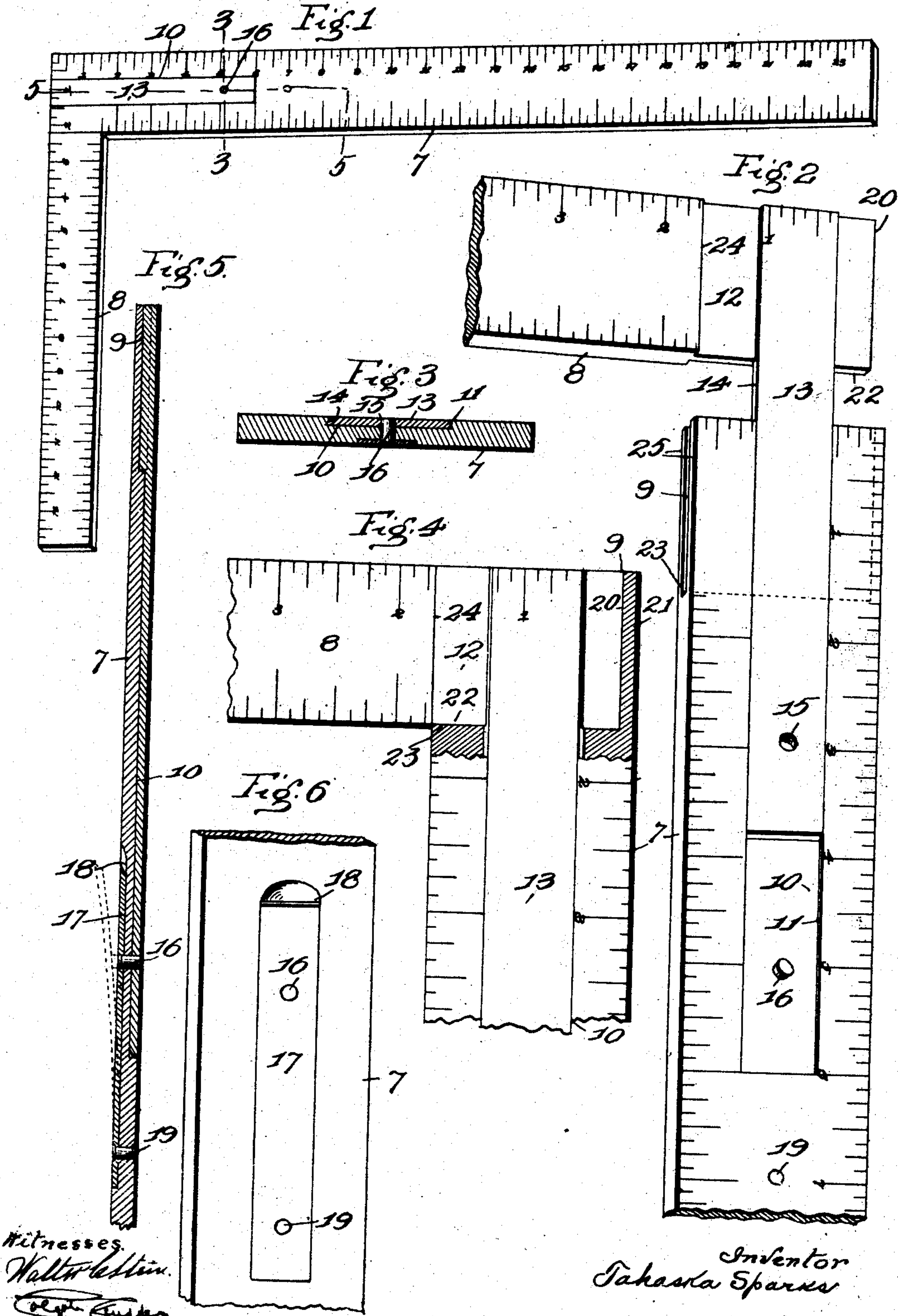


No. 865,129.

**T. SPARKS.  
SQUARE.**

PATENTED SEPT. 3, 1907.

APPLICATION FILED FEB. 6, 1907.





# UNITED STATES PATENT OFFICE.

TAHASKA SPARKS, OF ST. LOUIS, MISSOURI.

## SQUARE.

No. 865,129.

Specification of Letters Patent.

Patented Sept. 3, 1907.

Application filed February 6, 1907. Serial No. 356,123.

To all whom it may concern:

Be it known that I, TAHASKA SPARKS, a citizen of the United States, and a resident of St. Louis, Missouri, have invented certain new and useful Improvements in Squares, of which the following is a specification.

This invention relates to improvements in squares and consists of the novel arrangement, construction and combination of parts as will be fully hereinafter described and claimed.

10 The object of this invention is to construct a square designed to be taken apart so as to be more readily packed within the tool box or chest without one end of the same projecting and inconveniencing the mechanic while carrying the kit of tools from one location to 15 the other.

A further object of my invention is to construct a square to be taken apart and when placed together to be absolutely true and the sides perfectly flush.

20 In the drawings—Figure 1 is a perspective view of my complete invention. Fig. 2 is a perspective view with parts broken away and in section, showing the two sections of the square in the act of being placed together. Fig. 3 is a cross-sectional view taken on the line 3—3 of Fig. 1. Fig. 4 is a plan view of a corner 25 of the square with parts broken away and in section, showing the two members in their relative position. Fig. 5 is an elongated sectional view of a part of the square taken on the line 5—5 of Fig. 1. Fig. 6 is a detail perspective view of a portion of the square showing the location of the locking member. 30

In the construction of my invention I provide a square composed of two sections 7 and 8, the section 7 having its upper end or that portion forming the corner of the square provided with a mortise 9 and an elongated 35 groove 10; the two walls of said groove being dove-tailed as indicated by the numeral 11.

40 The section 8 is provided with a tenon 12 to which is integrally formed a projecting strip 13, its edges beveled or dove-tailed as indicated by the numeral 14 and arranged to fit within the groove 10 in the member 7.

45 In the strip 13 is formed an aperture 15 in which fits a pin 16 passing through the member 7 and rigidly attached to a spring-strip 17, the said spring-strip 17 being located in a recess 18 formed in the section 7 opposite to the elongated groove 10, and the said spring-strip 17 being secured at its lowest end to the strip by means of the pin or rivet 19, and in order to gain access to the strip so that the same may be pulled outwardly 50 as indicated by the dotted lines in Fig. 5, I extend the upper end of the recess 18 beyond the strip 17 (see Fig. 5), so that the finger nail may be inserted to operate the strip and remove the pin 16 from the aperture 15.

By this arrangement, when both sections are placed

in position as shown in Figs. 1 and 4, a perfect right- 55 angle is formed and the same is prevented from becoming out of square by means of the ends 20 contacting with the wall 21, the lower edge 22 contacting with the surface 23 of the mortise and the edges 24 contacting with the edges 25, together with the strip 13 held in 60 the groove 10, and when the sections are placed together the surfaces of the square are absolutely free from projections and all of the parts being flush so that either side of the square can be used freely.

By constructing a square in this manner, when the 65 same is taken apart it can be readily packed within the tool-chest and conveyed without one end of the square projecting through the chest as is necessary in the present style.

Having fully described my invention, what I claim 70 is:

1. A square comprising two sections, one of said sections provided with an elongated groove on its one side and a recess on the opposite side, a projection formed on the other section provided with an aperture and arranged to fit 75 one with the other, forming a true square and a spring strip for locking the same together, substantially as specified.

2. A square comprising two sections, a dove-tailed groove formed in one section, a dove-tailed strip carried by 80 the other section, the one section provided with a mortise, the other section with a tenon, said sections arranged to be inserted one within the other to form a true right-angle, and a spring locking device for securing said sections together, substantially as specified. 85

3. A device of the class described comprising two sections, a tenon formed on one section, a dove-tailed strip provided with an aperture connected to the tenon and projecting at right-angles thereto, a dove-tailed groove formed in the other member to receive the strip, a mortise formed 90 in the second member to receive the tenon, a spring-strip provided with a pin to engage in an aperture formed in the strip to lock said sections together, the several parts when connected forming a true right-angle and preventing the same from becoming out of square, substantially as specified. 95

4. A square of the class described comprising two sections, a tenon formed on one section, an elongated dove-tailed strip formed integral with said tenon and projecting at right angles therefrom, a mortise formed in the 100 other section for the insertion of the tenon, an elongated dove-tailed groove formed in said section for receiving the elongated dove-tailed strip, the said strip and the member in which it is inserted being provided with apertures both in alignment when the sections are in position, a recess 105 formed in the one section opposite to the elongated dove-tailed groove, a spring strip located in the recess, and a pin carried by the spring strip to pass through the apertures for locking the sections together, substantially as specified.

In testimony whereof, I have signed my name to this 110 specification, in presence of two subscribing witnesses.

TAHASKA SPARKS.

Witnesses:

ALFRED A. EICKS,  
WALTER C. STEIN.