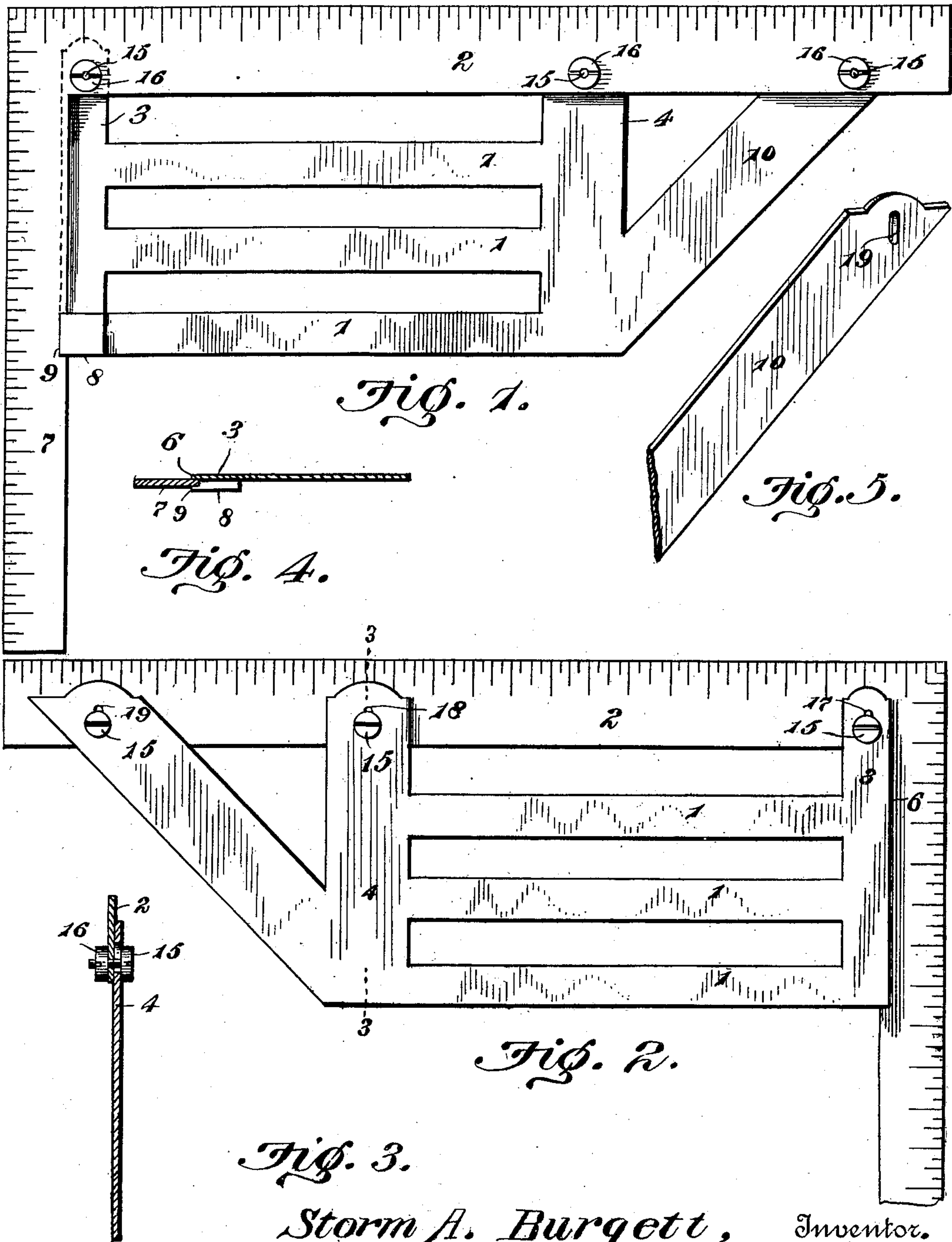


No. 862,445.

PATENTED AUG. 6, 1907.

S. A. BURGETT.
ATTACHMENT FOR CARPENTERS' SQUARES.
APPLICATION FILED FEB. 20, 1907.



Witnesses

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STORM A. BURGETT, OF AURORA, ILLINOIS.

ATTACHMENT FOR CARPENTERS' SQUARES.

No. 862,445.

Specification of Letters Patent.

Patented Aug. 6, 1907.

Application filed February 20, 1907. Serial No. 358,341.

To all whom it may concern:

Be it known that I, STORM A. BURGETT, a citizen of the United States, residing at Aurora, in the county of Kane and State of Illinois, have invented a new and useful Attachment for Carpenters' Squares, of which the following is a specification.

The invention relates to an attachment for carpenter's 24 inch steel squares.

The object of the present invention is to improve the construction of attachments for carpenter's squares, and to enable the same to be employed for marking off miters as well as mortises, gains, tenons, splices and various other operations in carpentry, with great rapidity and accuracy.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is an elevation of an attachment, constructed in accordance with this invention and shown applied to a square. Fig. 2 is a similar view, showing the other side of the attachment. Fig. 3 is a sectional view, taken substantially on the line 3—3 of Fig. 2. Fig. 4 is a detail sectional view, illustrating the manner of interlocking the attachment with the short arm of the square. Fig. 5 is a detail perspective view of the combined miter bar and brace.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

The attachment comprises a plurality of spaced longitudinal bars 1, disposed in parallelism with the long arm 2 of a carpenter's twenty-four inch steel square, and connected with one another and with the said long arm 2 by means of integral cross pieces 3 and 4. The longitudinal bars 1 are one inch in width, and are arranged one inch apart, and the outer side edge 6 of the end cross piece 3 fits against one of the side faces of the short arm 7 of the square. A substantially rectangular block or plate 8 is secured to the rear face of the cross bar 3 at one end thereof, and the said block or plate 8 is recessed at the outer side edge to provide a projecting portion or flange 9, which is spaced from the adjacent portion of the side edge 6 of the cross piece 3, to provide a groove to receive the inner end edge of the short arm 7 of the square, whereby the attachment is interlocked with the same.

The attachment is provided at one end with an inclined or angularly disposed combined miter bar and brace 10, which extends from the outer end of the cross bar or portion 4 to the long arm of the square. The combined miter bar and brace 10, which is arranged at an angle to the cross bar 4, is formed integral with the same, the attachment being preferably constructed from a single piece of steel, or other suitable material.

The attachment is detachably secured to the long arm of the square by means of bolts 15, having round heads and provided with round nuts 16, the heads of the bolts and the nuts being preferably grooved, as shown. The bolts pierce the long arm of the square and are arranged in slots 17 and 18 of the cross pieces 3 and 4, and in the slot 19 of the combined miter bar and brace. The slots permit an adjustment of the attachment, and the bolts enable the latter to be readily applied to and removed from the square.

The parallel longitudinal bars are adapted for marking off single and double mortises, tenons, gains, and the like, and the combined miter bar and brace, which is arranged at an angle of 45 degrees, is adapted for marking off single and double tenons for braces, miters, etc.

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

1. An attachment for squares comprising a plurality of spaced longitudinal bars, cross pieces connecting the longitudinal bars and provided with means for securing them to a square, and a combined miter bar and brace located at one end of the attachment, and arranged at an angle for marking off miters, said miter bar and brace being provided with means for securing one end of it to the square.

2. An attachment for squares comprising a plurality of spaced longitudinal bars, cross pieces connecting the bars, and a combined miter bar and brace located at one end of the attachment and arranged at an angle, to and extending from one of the cross pieces, said bars, cross pieces, and combined miter and brace being constructed of a single piece of material, a block or plate arranged at one end of the attachment and provided with a flange spaced from one of the cross pieces to provide a groove to receive the short arm of the square, and fastening devices piercing the cross bars and the combined miter and brace for securing the attachment to the long arm of the square.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

STORM A. BURGETT.

Witnesses:

FRANK G. PLAIN,
JOHN PLAIN.