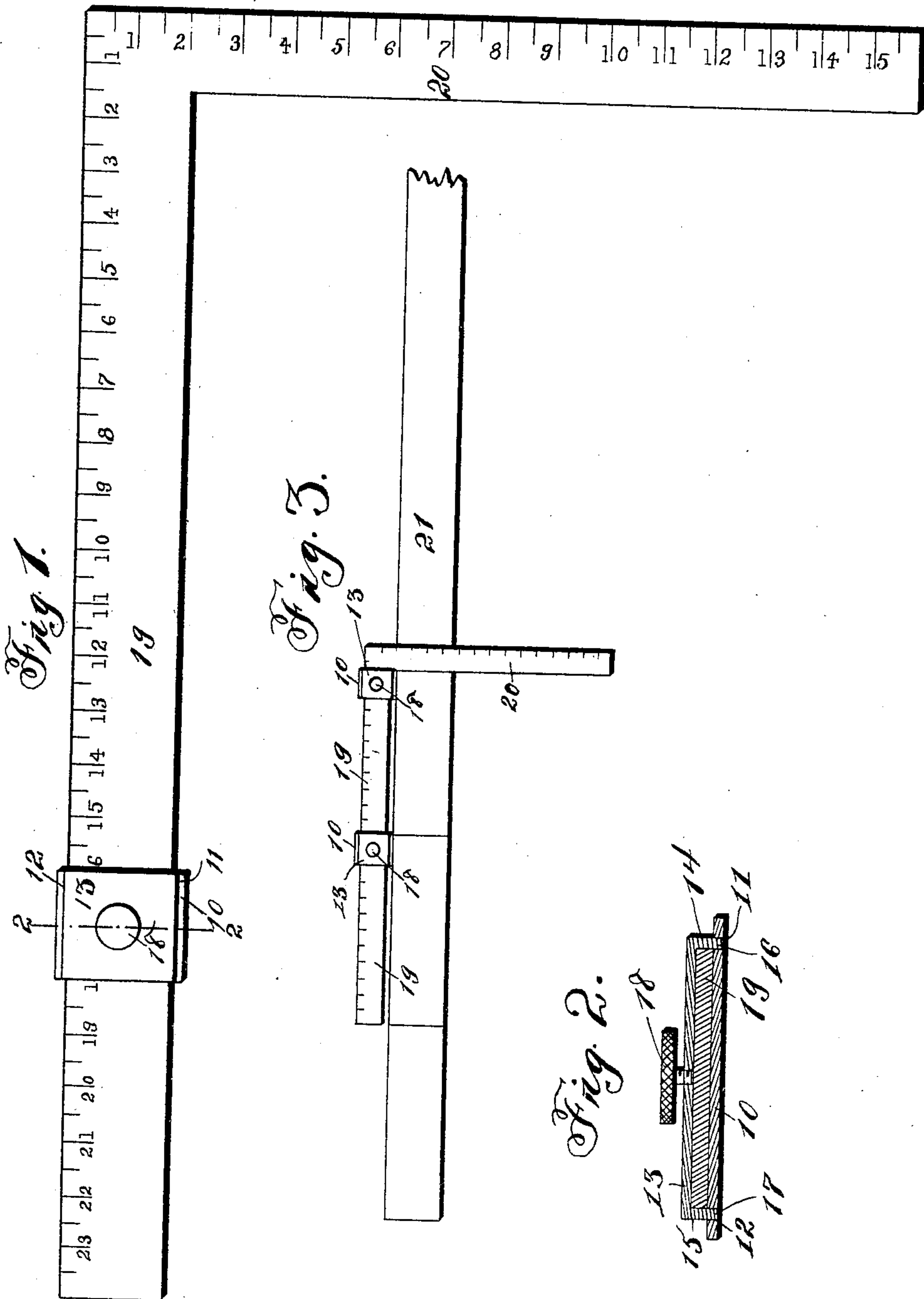


No. 814,157.

PATENTED MAR. 6, 1906.

T. F. NORFOLK.
ATTACHMENT FOR STEEL SQUARES.
APPLICATION FILED MAR. 6, 1905.



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UNITED STATES PATENT OFFICE.

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ATTACHMENT FOR STEEL SQUARES.

No. 814,157.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed March 6, 1905. Serial No. 248,527.

To all whom it may concern:

Be it known that I, THOMAS F. NORFOLK, a citizen of the United States of America, and a resident of Ottumwa, Wapello county, Iowa, have invented a new and useful Attachment for Steel Squares, of which the following is a specification.

The object of this invention is to provide improved means for guiding the eye of the operator in framing with a steel square.

A further object of this invention is to provide means to aid an operator in laying off spaces for joists, studding, rafters, and the like with a steel square.

A further object of this invention is to provide means to aid an operator in marking for cutting off equal lengths of lumber, as in box-making and the like.

My invention consists in the construction, arrangement, and combination of elements hereinafter set forth, pointed out in my claim, and illustrated by the accompanying drawings, in which—

Figure 1 is a plan of a steel square, showing my invention applied thereto in the position required to aid an operator in spacing for joists, studding, or rafters separated sixteen inches from center to center. Fig. 2 is a cross-section of the devices on the indicated line 2 2 of Fig. 1. Fig. 3 is a plan showing the manner of employing my device in marking for cutting equal lengths of lumber, as in box-making and the like.

In the construction of the device as shown the numeral 10 designates a plate, preferably made of metal and formed with transverse slots 11 12 near its ends. A cap-plate 13 is provided, preferably of metal and with end portions 14 15 turned downwardly at right angles to the body portion thereof. The extremities 16 17 of the end portions 14 15 are reduced in width and are extended through the slots 11 12 and riveted on the opposite face of the plate 10. A set-screw 18 is screwed through an aperture in the center of the cap-plate 13.

The device may be mounted slidingly on the blade 19 of a steel square and adjusted into any desired position thereon—as, for instance, with its forward edge at the index “16” on said blade—and be held in such position by setting the screw 18 in contact with the blade. The plate 10 and cap-plate 13 are each one and one-half or one and three-fourths inches in width. The square-blade may be

laid on a stick or timber, with the forward margin of the plate 10 in contact with one end of the stick, and the operator may mark the stick by drawing a pencil or scratch-awl along the forward and rear margins of the tongue 20 of the square. The square may then be moved forward until the forward margin of the plate 10 is at the forward mark made and the stick be again scribed on either side of the tongue. This operation may be repeated throughout the desired distance, with the device adjusted in any desired position on the blade.

In marking for cutting several equal lengths of boards the blade 19 of the square is provided with two of the attachments, as shown in Fig. 3, and is laid along the board 21 with the forward margin of the rearmost plate 10 in contact with one end of the board and the inner ends of both plates 10 in contact with the margin of the board. Then the operator may mark the upper face of the board along the forward margin of the tongue 20, and such mark will square with the margins, because of the employment of the secondary attachment, which parallels the blade 19 to the board. The square may then be moved along the board until the forward margin of the rearmost plate 10 aligns with the first mark and another mark be made along the forward margin of the tongue.

I claim as my invention—

In combination with a steel square, an attachment therefor consisting in its entirety of a rectangular base-plate having each of its ends extending beyond the sides of the square for an equal distance and being formed with transverse slots at points alining with the sides of the square, a cap having each of its ends turned downwardly and projecting in and secured to said base in said slots thereof, and a set-screw extending through the cap-plate, the upper face of the base-plate thereby being in the same horizontal plane as the under face of the square, said ends of the cap-plate forming right-angular corners in conjunction with said upper face of the base-plate.

Signed by me at Ottumwa, Iowa, this 28th day of February, 1905.

THOMAS F. NORFOLK.

Witnesses:

LULA M. RYDER,
GRACE HEFLIN.