Oct. 23, 1923. 1,471,467

H. T. HUBBARD

T-SQUARE

Filed Nov. 9, 1922

Fig. 1

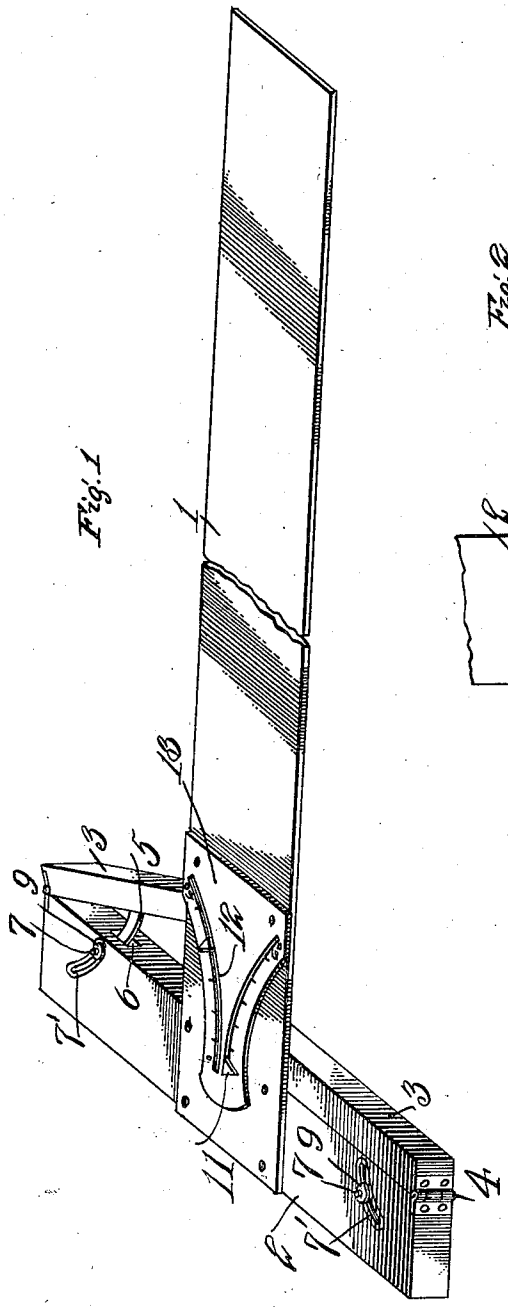


Fig. 2

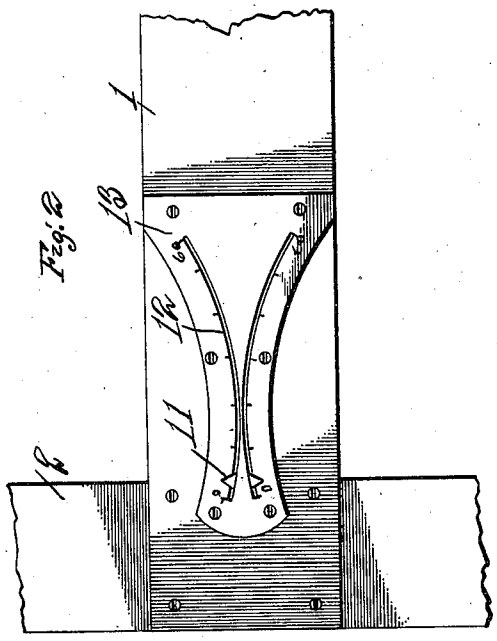
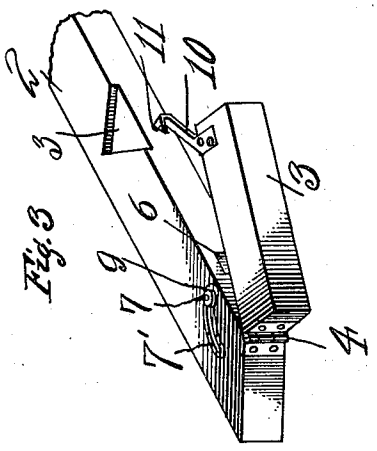


Fig. 3



Inventor

Hubert T. Hubbard.

By Richard B. Owen,

Attorney

Witnesses

H. H. Gay Co.

Chas. H. Smith.

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UNITED STATES PATENT OFFICE.

HUBERT T. HUBBARD, OF DETROIT, MICHIGAN.

T SQUARE.

Application filed November 9, 1922. Serial No. 599,873.

To all whom it may concern:

Be it known that I, HUBERT T. HUBBARD, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in a T Square, of which the following is a specification.

The present invention relates to a T-square and has for its principal object to provide means whereby the T-squares may be used for drawing parallel lines extending at angles in relation to the drawing board.

Another important object of the invention is to provide a T-square of this nature which will be simple and efficient in construction, reliable in operation, easily manipulated durable, and well adapted to the purpose for which it is designed.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:—

Figure 1 is a perspective of the T-square embodying my invention,

Figure 2 is a fragmentary plan view thereof, and

Figure 3 is a fragmentary detail of one end of the head of the T-square.

Referring to the drawing in detail, it will be seen that the blade 1 is of the usual construction being attached to the intermediate portion of the head 2. The upper surface of the head 2 is provided with a triangular shaped recess 3 registering with the central portion of the blade 1. A pair of blocks 3 are hinged at 4, one to each end of the head 2 and are provided with rods 5 extending into recesses 6 in the head 2. A threaded shank 7 projects from each rod 5 through a curved slot 7 in the head 2 and a lock nut 9 is mounted thereon so that the block 3 may be held in any adjusted position in angular relation with the blade 1. An indicator 10 is mounted on the inner end of each block 3 and is adapted to be disposed in the triangular shaped recess 3 when the block lies in abutment with the head 2. The point 11 of each indicator 10 projects through arcuate slots in the blade 1 a corresponding slot 12 being provided in a plate 12 mounted on the blade 1 and provided with suitable degree indicating indicia.

It will be readily understood that either of the blocks 3 may be easily adjusted to the desired angle, and the adjusted block will be engaged with the edge of the drawing board so that parallel angularly extending lines may be drawn as desired.

Having thus described my invention what I claim is:—

1. In combination, a T-square including a blade and a head, a block pivoted to the head, an indicator, said blade provided with an arcuate slot, said indicator projecting through said slot, and means for holding the block in adjusted position in relation to the head.

2. In combination, a T-square including a blade and a head, provided with a recess, a block pivoted to the head, an indicating device mounted on the block so as to project into the recess of said head when the block is abutting the head, said blade provided with a slot, said indicator projecting through said slot, and means for holding the block in adjusted relation to the head.

3. In combination, a T-square including a blade and a head, a pair of blocks, one pivoted to each end of the head, and indicating means associated with the blade for designating the angle at which blocks extend from the head.

4. In combination, a T-square including a blade and a head, a pair of blocks, one pivoted to each end of the head, and means associated with the blocks for holding the blocks at different angles in respect to the head.

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

HUBERT T. HUBBARD.

Witnesses:
R. M. ROPER,
FREEMAN MOTSINGER.