

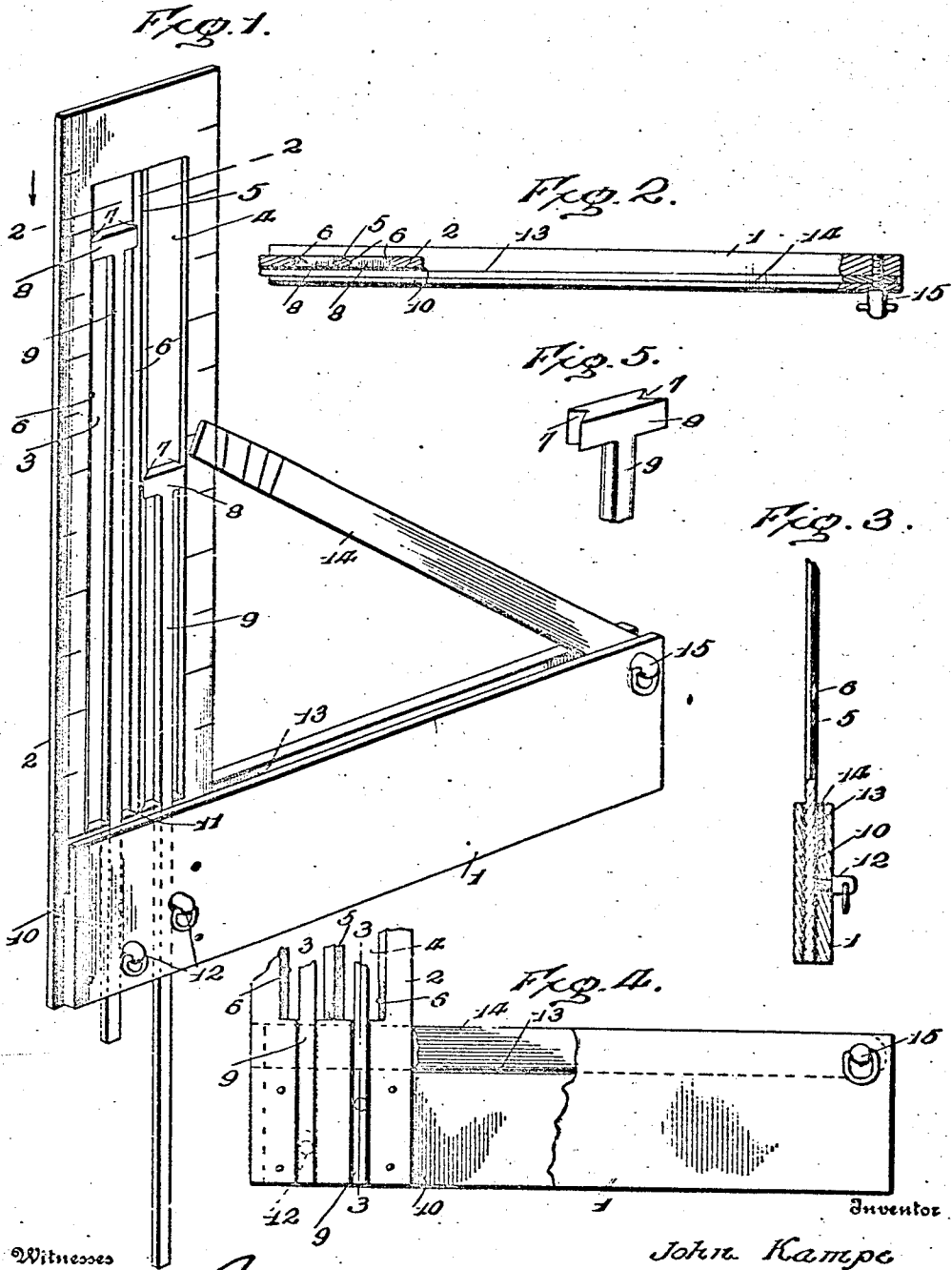
No. 895,468.

PATENTED AUG. 11, 1908.

J. KAMPE.

COMBINED SQUARE, GAGE, AND BEVEL.

APPLICATION FILED NOV. 22, 1907.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN KAMPE, OF MERCER, WISCONSIN.

COMBINED SQUARE, GAGE, AND BEVEL.

No. 895,468.

Specification of Letters Patent.

Patented Aug. 11, 1908.

Application filed November 22, 1907. Serial No. 403,337.

To all whom it may concern:

Be it known that I, JOHN KAMPE, citizen of the United States, residing at Mercer, in the county of Iron and State of Wisconsin, have invented certain new and useful Improvements in Combined Squares, Gages, and Bevels, of which the following is a specification.

This invention has for its object a simple measuring instrument, particularly designed for the use of carpenters, and combining in the one instrument the functions of a square, gage, and bevel, and the invention consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of my improved combined square, gage and bevel; Fig. 2 is a horizontal sectional view thereof; Fig. 3 is a fragmentary vertical sectional view; Fig. 4 is a view of a portion of the square with parts broken away; and, Fig. 5 is a detail perspective view of the outer end of one of the gage beams.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

My improved measuring instrument comprises a square embodying the legs 1 and 2 that are preferably rigidly connected together. The leg 2 displays linear graduations, as shown along both edges and is formed with two longitudinally extending slots 3 and 4 separated by a bar 5, the walls of said slots being preferably beveled as indicated at 6 and fitting corresponding grooves 7 in the laterally enlarged ends 8 of the gage bars 9 mounted to slide longitudinally in the respective slots. The leg 1 is formed with an opening 10 registering with the slots 3 and 4 and through said openings, the gage bars are designed to extend when drawn out to the desired extent. Preferably the bar 5 is enlarged at one end of the opening 10, as indicated at 11 so as to accurately guide the main portions of the gage bars.

12 designates set screws that are mounted to work in the leg 1 and that are designed to impinge against the gage bars in order to hold them at the desired adjustment.

The leg 1 is formed in one edge with a recess 13, and a protractor or bevel 14 is pivotally mounted at one end to swing within the recess and out of the same to the required inclination, being held in such position by a set screw 15 working through the leg 1. The bevel 14 contains graduations and lines designed to register with the adjacent edge of the leg 2, to indicate different bevels.

From the foregoing description in connection with the accompanying drawing, it will be seen that I have provided a very simple and efficient construction of combination square, gage, and bevel for carpenters' and others' use, which may be very cheaply made, and which will economize space, as the bevel may be folded down within the recess of one of the legs, and the gage bars be retracted into the other leg in an evident manner.

Having thus described the invention, what is claimed as new is:

1. A device of the character described, comprising legs connected together to form a square, one of said legs being formed with a longitudinally extending slot, and the other leg being formed with an opening registering with said slot, a gage bar mounted to slide in said slot, and a set screw working through one of the legs into the opening formed therein and adapted to impinge against said gage bar.

2. A device of the character described, comprising legs connected together to form a square, one of said legs being formed with a longitudinally extending slot, the side walls of which are beveled, and the other leg being formed with an opening extending there-through in registry with said slot, a set screw working in said last named leg, and a gage bar mounted to slide longitudinally in said slot and pass through the opening and designed for engagement by said set screw, said gage being provided with a laterally enlarged end formed with grooves fitting the beveled walls of said slot.

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

JOHN KAMPE. [L. s.]

Witnesses:

FERNAM G. BALL,
ROBERT L. BALL.