

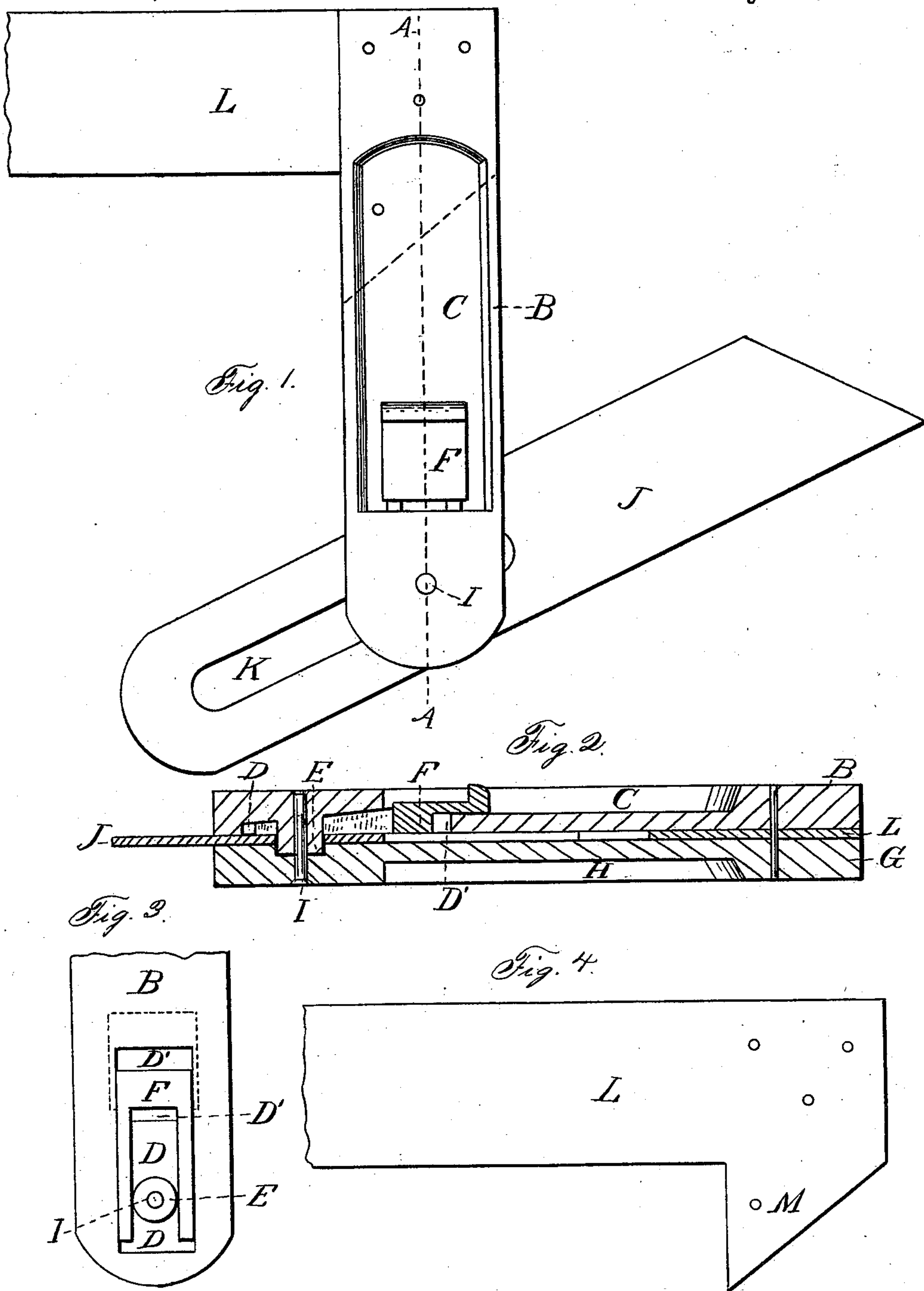
(No Model.)

R. STEELE.

COMBINED CARPENTER'S SQUARE AND BEVEL.

No. 299,435.

Patented May 27, 1884.



Witnesses.
John Edwards Jr.
William James Dawey

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Atty.

UNITED STATES PATENT OFFICE.

RANSOM STEELE, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE RUSSELL & ERWIN MANUFACTURING COMPANY, OF SAME PLACE.

COMBINED CARPENTER'S SQUARE AND BEVEL.

SPECIFICATION forming part of Letters Patent No. 299,435, dated May 27, 1884.

Application filed February 13, 1884. (No model.)

To all whom it may concern:

Be it known that I, RANSOM STEELE, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented a certain new and useful Combined Carpenter's Square and Bevel, of which the following description and claim constitute the specification, and which is illustrated by the accompanying sheet of drawings.

This invention relates to certain improvements in the method of making the stock and arm of a carpenter's bevel adjustable relatively to each other, and in the method of making the stock and arm of a carpenter's square so that they will permanently remain fixed precisely at right angles to each other.

Figure 1 in the drawings is a plan view of my improved combined implement. Fig. 2 is a section on line A A of Fig. 1. Fig. 3 is a view of the lower surface of the left-hand end of the upper part of the stock shown in Fig. 2. Fig. 4 is a plan view of the arm of the square removed from the stock.

B is the upper part of the stock. It is constructed with the recesses C and D, communicating together at D'. It is also constructed with the boss E, and is furnished with the fork-like wedge F, the tines of which have their upper surfaces inclined so as to fit the inclined surfaces of the recess D, and the handle of which slides reciprocally and longitudinally in the recess C.

G is the lower part of the stock. It is constructed with the recess H, and with a recess for the reception of the boss E.

I is a pivot, which passes through the two parts of the stock, and by holding the boss E firmly within the recess in the lower part of

the stock keeps both parts of the stock in unison. The boss E is so adjusted to the depth of its recess that the arm J of the adjustable bevel, except when wedged in a particular position, may readily be changed in its angle with the stock or moved in any direction permitted by the slot K. If the user requires only to change the angle of the arm J with the stock, the arm may have a round hole instead of the slot K.

L is the fixed arm of the square. It is constructed with the triangular projection M, and fastened between the right-hand ends of the two parts of the stock by any sufficient number of rivets, one or more of which pass through the projection M.

The mode of operation is as follows: The square is used as other squares are; but the projection M gives a means of fastening the arm L within the stock much more securely than such arms have heretofore been fastened within such stocks. The arm J slides between the two parts of the stock and may slide upon the boss E. It is fastened in any desired position by pressing the handle of the wedge F toward the pivot I, and is released, so as to be changed in position, by pressing that handle in the opposite direction.

I claim as my invention—

The combination of the parts B and G, one having the boss E and the other having the recess for the reception of that boss, with the adjustable arm J and the bifurcated wedge F, all combined and operating together substantially as described.

RANSOM STEELE.

Witnesses:

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