

No. 871,117.

PATENTED NOV. 19, 1907.

S. C. FINNEY.
SQUARE.

APPLICATION FILED MAR. 27, 1907.

Fig. 1.

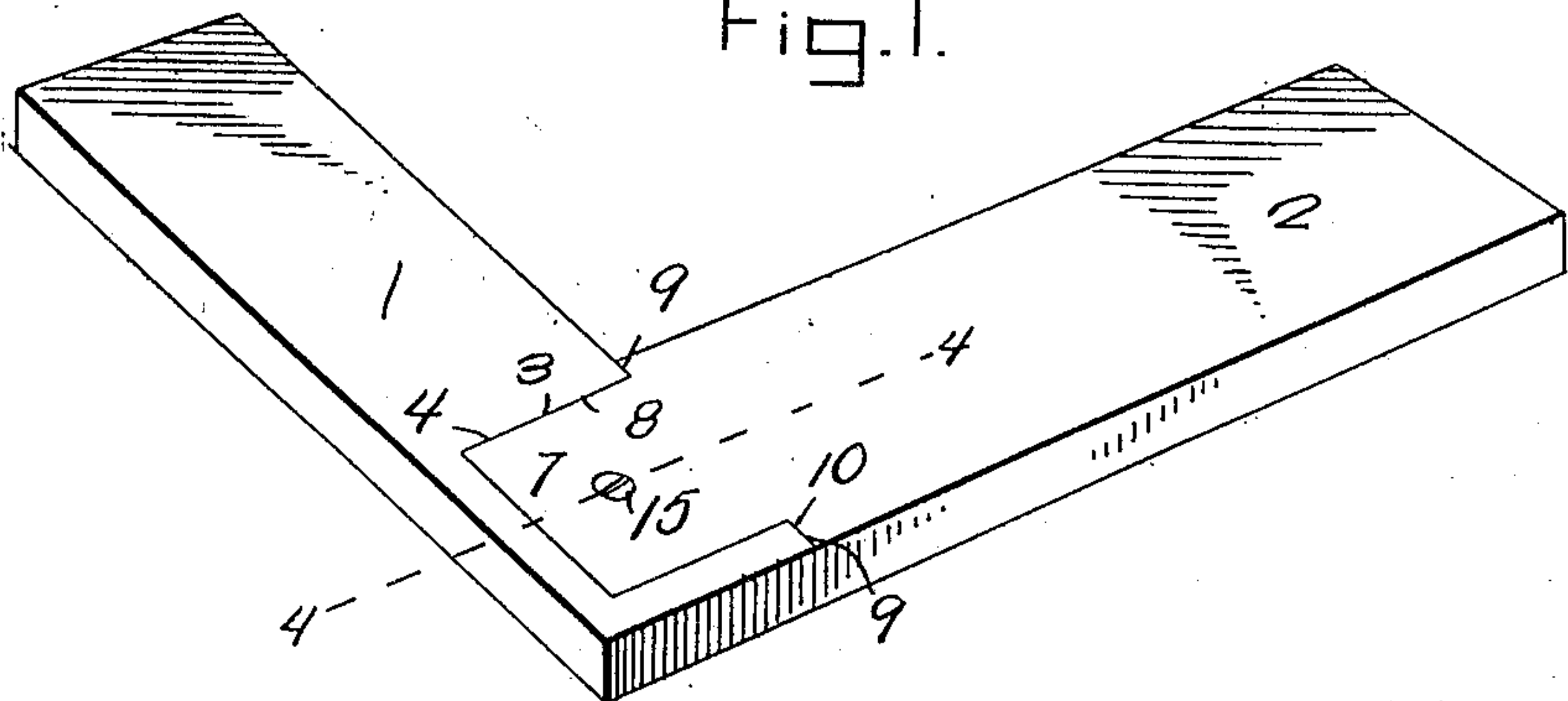


Fig. 2.

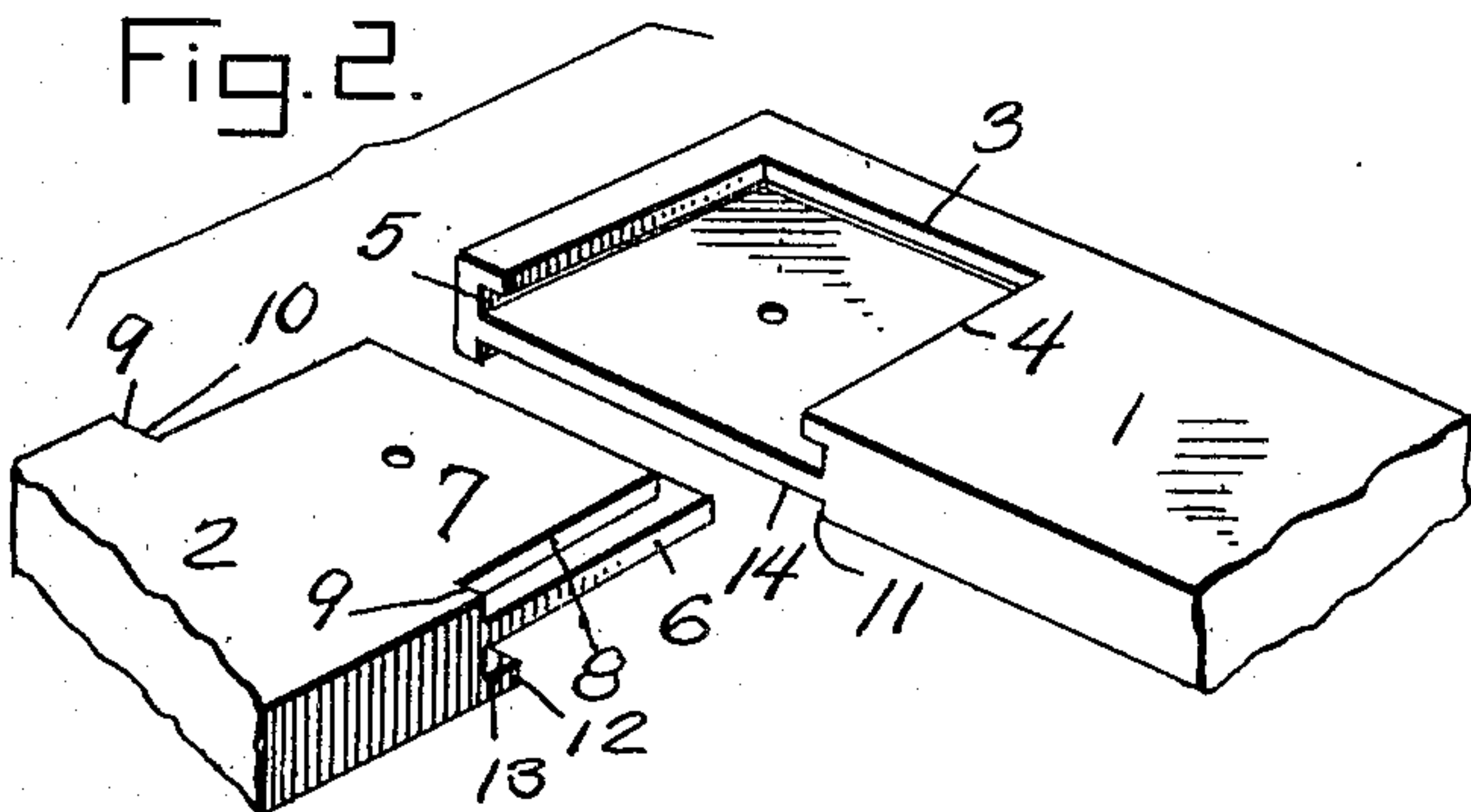


Fig. 3.

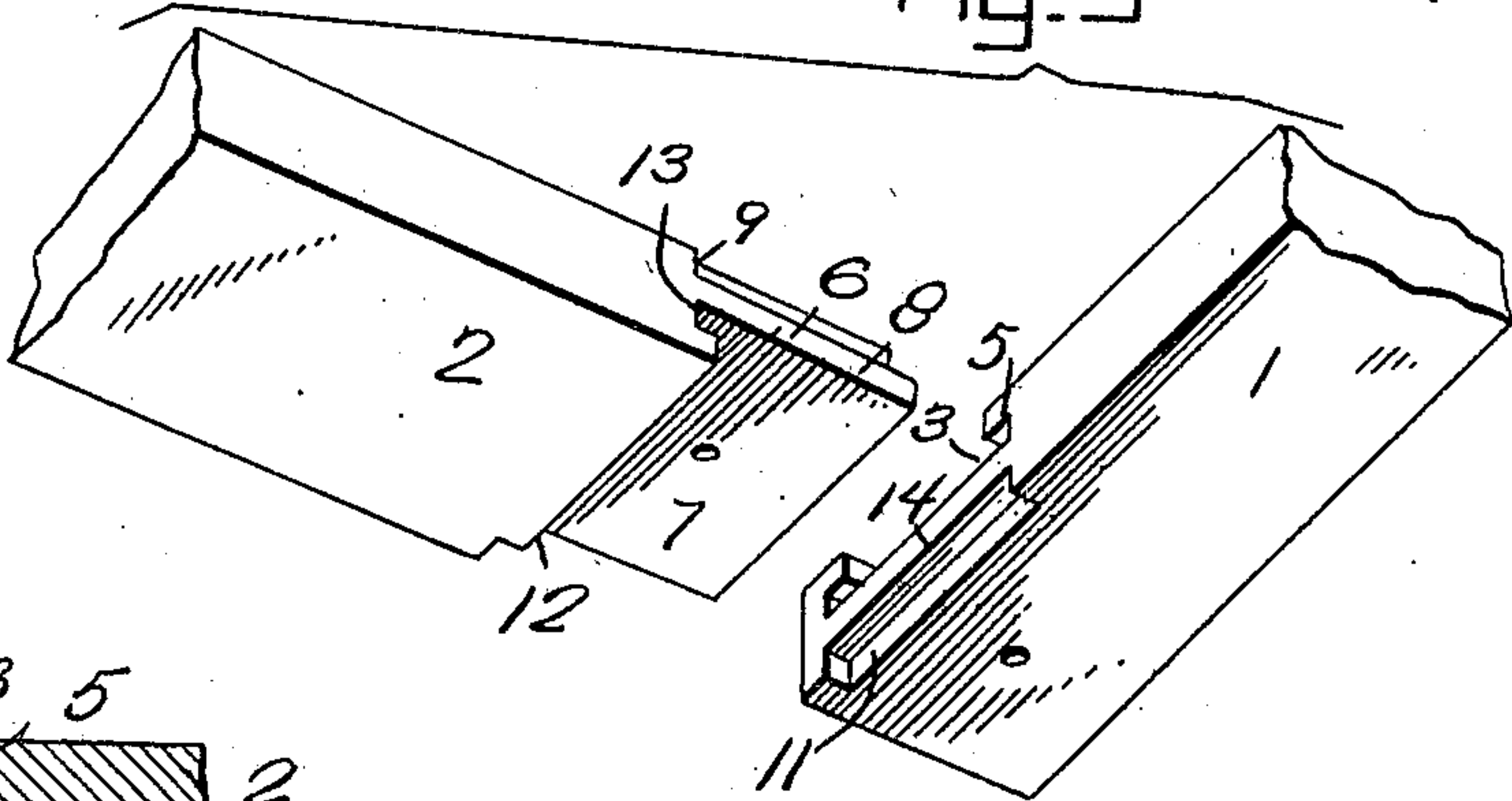
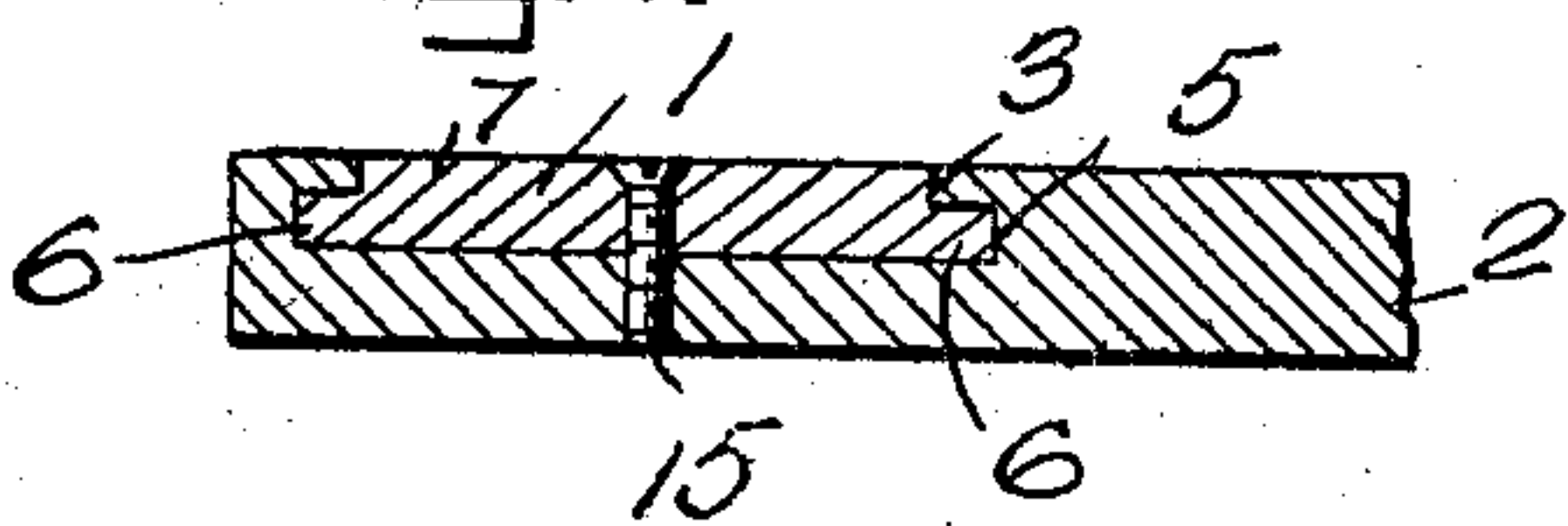


Fig. 4.



Inventor

S. C. Finney

Witnesses

G. R. Thomas
Wm. E. Oliver

By

Dean Swift

Attorney

UNITED STATES PATENT OFFICE.

SAMUEL C. FINNEY, OF BREADYSVILLE, PENNSYLVANIA.

SQUARE.

No. 871,117.

Specification of Letters Patent.

Patented Nov. 19, 1907.

Application filed March 27, 1907. Serial No. 364,766.

To all whom it may concern:

Be it known that I, SAMUEL C. FINNEY, a citizen of the United States, residing at Breadysville, in the county of Bucks and State of Pennsylvania, have invented a new and useful Square; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

This invention relates to a square, having primarily and essentially for its object to provide a connection between the two right angled portions thereof, of such peculiar con-
15 struction, that the two said portions are readily connected together, so as to prevent displacement of either, and to provide a true square; this square is to be manufactured of any suitable material, preferably metal of
20 any kind. One of the said portions may be in the form of a thin blade if desired, but preferably the square is to be manufactured of solid steel, of uniform thickness, and by this peculiar connection the two portions of
25 the square may be readily disconnected, so as to occupy a small amount of space in the mechanic's toolchest. The square may be provided with graduations, and the proportions of the square may be of any desired di-
30 mensions, suitable for the manufacture of the device.

This invention comprises further objects and combinations of elements which will be hereinafter more fully described, shown in
35 the accompanying drawings, and the novel features thereof will be pointed out by the appended claims.

To obtain a full and correct understanding of the details of construction, combinations
40 of features, elements and advantages, reference is to be had to the hereinafter set forth description and the accompanying drawings in connection therewith, wherein

Figure 1 is a perspective view of the square.
45 Fig. 2 is a perspective view of the two portions of the square, in readiness to be connected together, looking downward thereon. Fig. 3 is a perspective view of the square showing the two portions thereof disposed similar to
50 that shown in Fig. 2, looking upward. Fig. 4 is a sectional view on line 4—4 of Fig. 1.

Making renewed reference to the accompanying drawings, wherein similar reference
55 characters indicate corresponding parts in the several illustrations, by figures, 1 and 2 designate two portions of the square, the por-

tion 1 having a tapered recess 3, one wall 4 of which is slightly inclined, as shown; the walls of this recess are provided with a groove
5, about its entirety, for the purpose of re- 60 ceiving a supplemental tongue 6, of the main tongue 7, of the portion 2, which tongues 6 and 7 upon one edge thereof, as at 8, are slightly tapered to correspond with the wall
4, so as to provide a ready connection of the 65 portions of the square, as will be evident from the drawings.

At the termination of the supplemental tongue upon each edge of the portion 2 is a shoulder 9 to form a solid abutment or bear- 70 ing against which the portion 1 will contact, when the said portions are connected, thereby obviating all chances of changing the position of the two portions of the square. One of these shoulders extends further, laterally, 75 than the other, as at 10, as clearly shown.

The portion 1 is provided upon the face, opposite the face having the recess 3, with a slight recess 11, while the portion 2 upon the face corresponding to that of the portion 1, 80 is provided with a short tongue 12 to be received by the recess 11; this construction serves as a reinforcement of strength in every direction.

The main tongue and the tongue 12 form a 85 groove 13 designed to receive a short tongue 14, of the portion 1 formed by the recess 11, as will be clearly seen in the drawings; the two portions of the square are securely fas-
90 tened together by means of a suitable screw 15, or they may be fastened by any other suitable means, if desired.

The tapering portion of the main tongue, and of the wall of the recess 3 provides a tight connection between the two portions of 95 the square, that is when they are gradually connected together, and this tapering construction also obviates the danger of straining the connection, when the mechanic is in the act of releasing or disconnecting the two 100 portions of the square, for cleaning purposes.

It is to be understood that various changes and modifications may be employed in the construction and embodiment thereof, com- 105 binations of features, and elements, without in any way departing from the spirit and scope of the invention covered by the claims thereof; it being understood that whatever variations or modifications are employed must fall within the scope of the appended 110 claims.

From the foregoing, the essential features,

elements and the operation of the device, together with the simplicity thereof, will be clearly apparent, and, when manufactured in accordance with the invention, an inexpensive market will be easily obtained therefor.

Having thus fully described the invention, what is claimed as new and useful by the protection of Letters Patent, is:—

10 In a square, the combination of the two portions thereof; one of which has a rectan-

gular grooved recess; while the other portion is provided with a main and supplemental tongue to be received by said grooved recess, and means for fastening the portions together. 15

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL C. FINNEY.

Witnesses:

DAVID SLACK,

JOHN S. MERRICK.