

No. 705,403.

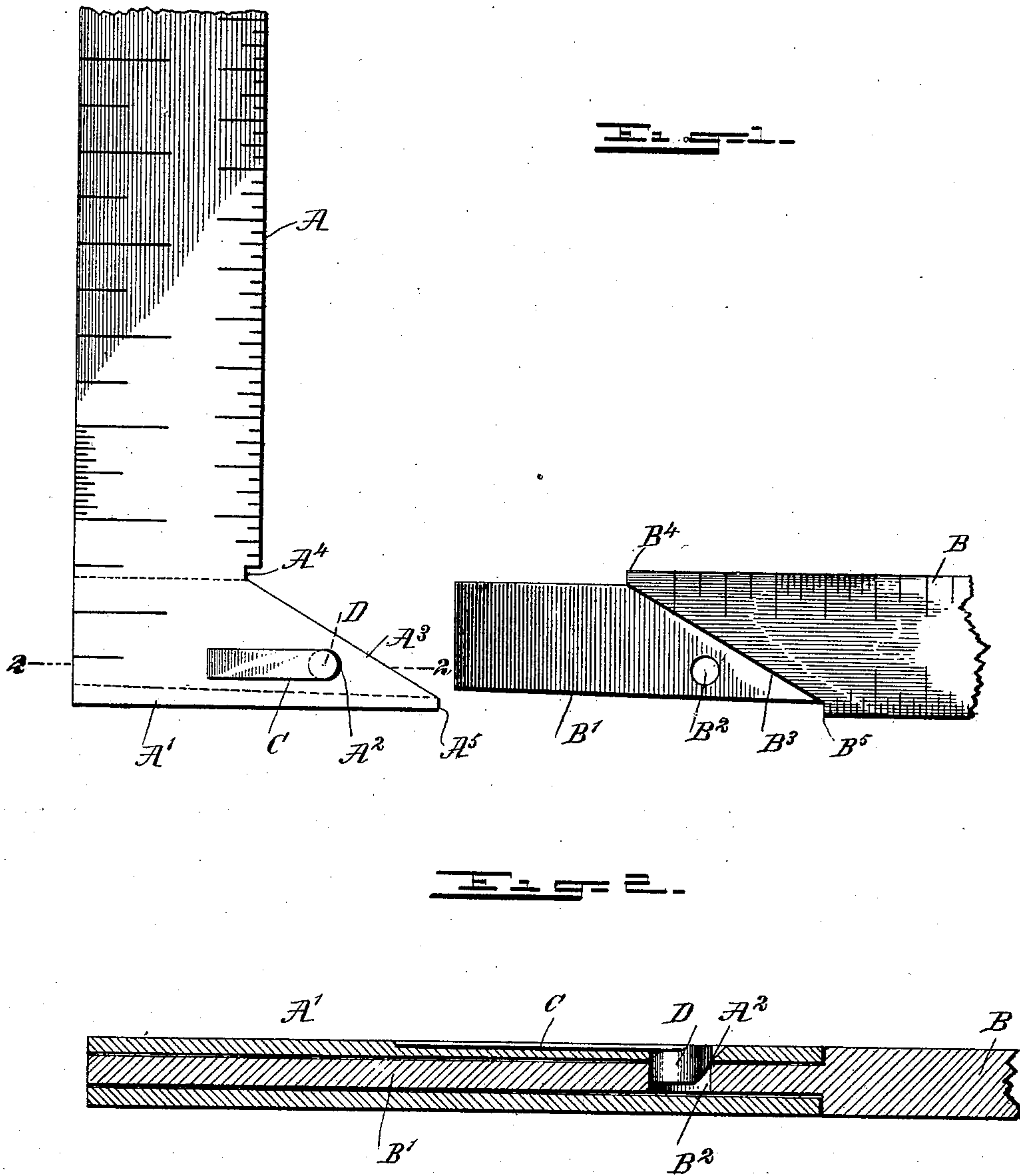
Patented July 22, 1902.

C. L. F. & M. C. HOOKER.

SEPARABLE SQUARE.

(Application filed Oct. 9, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES L. F. HOOKER AND MARTIN C. HOOKER, OF BOCA, CALIFORNIA.

SEPARABLE SQUARE.

SPECIFICATION forming part of Letters Patent No. 705,403, dated July 22, 1902.

Application filed October 9, 1901. Serial No. 78,088. (No model.)

To all whom it may concern:

Be it known that we, CHARLES L. F. HOOKER and MARTIN C. HOOKER, citizens of the United States, and residents of Boca, in the county of Nevada and State of California, have invented a new and Improved Separable Square; of which the following is a full, clear, and exact description.

The invention relates to measuring instruments; and its object is to provide a new and improved separable square for the use of carpenters and other mechanics and arranged to permit of conveniently separating the members for folding the same so as to take up comparatively little space in a tool-chest.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings; forming a part of this specification, in which similar characters of reference indicate corresponding parts in both views.

Figure 1 is a face view of the improvement, showing the members separated; and Fig. 2 is an enlarged sectional plan view of the same, showing the members locked together, the section being taken on the line 2 2 of Fig. 1.

The separable square consists, essentially, of the members A and B, of which the member A is provided at one end with a mortise or socket A', into which fits the tenon B', formed on the corresponding end of the other member B. A flat spring C is secured at one end in a recess formed in the top of the socket A', and on the under side of the free end of the spring is secured or formed a lug D, adapted to engage registering apertures A² and B², formed in the socket A' and the tenon B', to securely lock the tenon in position in the mortise or socket, as will be readily understood by reference to Fig. 2. The mortise or socket A' has its bottom slightly inclined, and the tenon B' is correspondingly shaped to permit of conveniently inserting the tenon in the socket. The mortise or socket A' is preferably formed with an extension A³, projecting beyond the inner edge of the member A, and the top edge of the extension is preferably beveled to form a seat for the beveled end B³ of the member B to insure a secure

holding of the member B on the member A when the tenon engages the socket or mortise. The inner end of the member B is formed with a shoulder B⁴, adapted to engage a recess A⁴ on the inner edge of the member A, and a similar shoulder B⁵ on the inner end at the bottom of the member B is adapted to abut against the end of the extension A³ at the point A⁵ to insure proper fitting of the member B on the member A. The forward end of the lug B is preferably beveled, so that when the tenon B' is pushed into the mortise A' the lug D moves outward and rides over the face of the tenon D' and finally snaps into the aperture B² to securely lock the tenon in position in the mortise or socket. It is understood that the socket A' is of the same thickness as the members A and B, so that when the latter are fitted together and locked in place both sides of the members are preferably flush to permit of using the square conveniently in the usual manner the same as an ordinary carpenter's square having rigid members.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. A separable square, comprising separable members, of which one is formed with a socket and the other with a tenon for engaging the socket, the members having registering apertures formed in the socket and tenon and a locking device comprising a spring secured in a recess on the outer face of the socket, and a lug on the free end of the spring adapted to pass into the registering apertures, the said lug having a beveled portion for the purpose set forth.

2. A separable square having separable members, of which one is formed with a socket having an extension formed with a beveled top, and the other member having a tenon for engaging the socket, the inner end of the tenon member being beveled to be seated on the beveled top of the extension, the said tenon member having a shoulder for engaging a recess in the inner end of the socket member, and a shoulder adapted to abut against the end of the extension of the socket member, and a locking device for locking the tenon in position in the socket, as set forth.

3. A separable square having separable

members, of which one is formed with a socket
having an extension formed with a beveled
top, and the other member having a tenon
for engaging the socket, the inner end of the
5 tenon member being beveled to be seated on
the beveled top of the extension, the said
members having registering apertures formed
in the socket and the tenon and a flat spring
secured at one end in a recess on the outer
10 face of the socket member, and provided at
its free end with a lug adapted to engage said

registering apertures, the said lug being beveled at its forward end, as set forth.

In testimony whereof we have signed our names to this specification in the presence of 15 two subscribing witnesses.

CHARLES L. F. HOOKER.
MARTIN C. HOOKER.

Witnesses:

W. F. WILKIE,
C. F. MCGLASHAN.