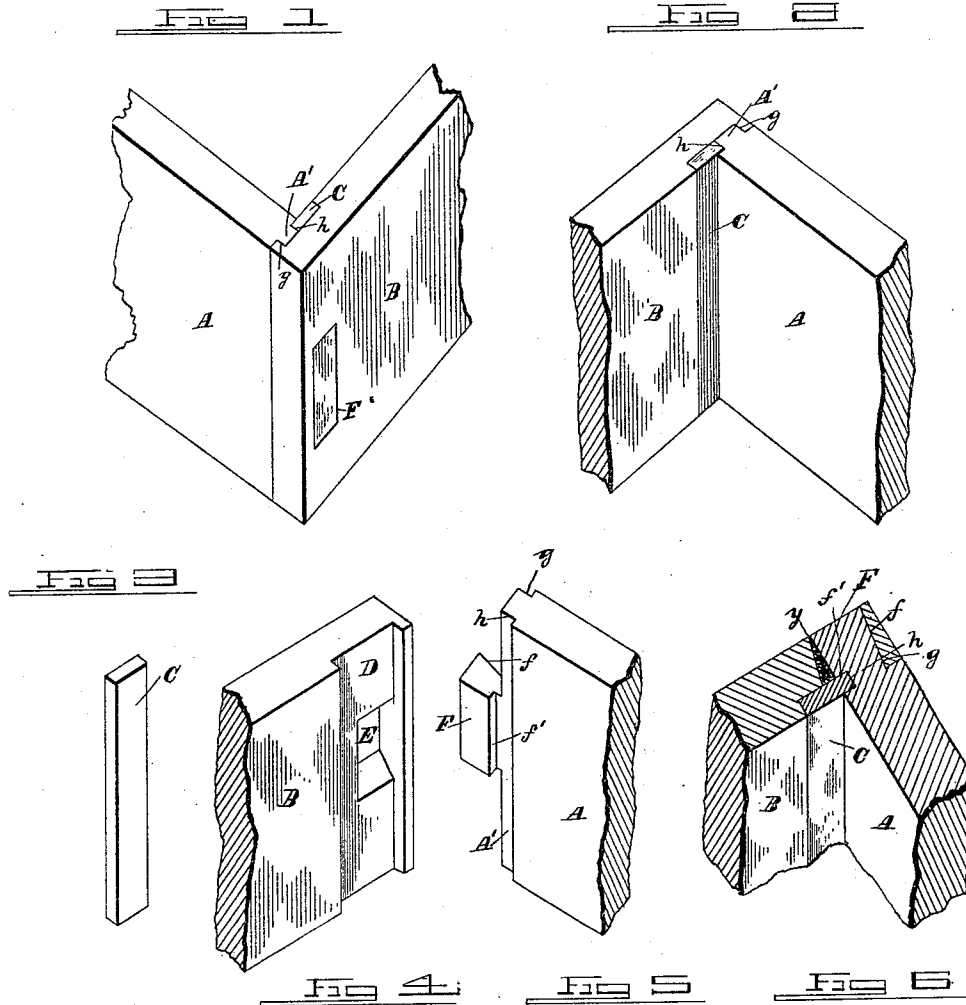


(No Model.)

J. H. BEERS.
COFFIN CORNER.

No. 461,730.

Patented Oct. 20, 1891.



WITNESSES
E. W. Levitts.
Jas. W. Mansfield.

INVENTOR
John Henry Beers.
G. T. Oplinger
Attorney

UNITED STATES PATENT OFFICE.

JOHN HENRY BEERS, OF HEIDELBERG, LEHIGH COUNTY, PENNSYLVANIA.

COFFIN-CORNER.

SPECIFICATION forming part of Letters Patent No. 461,730, dated October 20, 1891.

Application filed January 2, 1891. Serial No. 376,444. (No model.)

To all whom it may concern:

Be it known that I, JOHN HENRY BEERS, a citizen of the United States, residing in the township of Heidelberg, in the county of Lehigh and State of Pennsylvania, have invented a new and useful Dovetail for Corners of Slate or other Stone Coffins, Vaults, Boxes, Bath-Tubs, &c., of which the following is a specification.

The object of my invention is to provide a dovetail corner for the purpose of manufacturing coffins, vaults, troughs, bath-tubs, &c., out of slate or any kind of stone material, so that the corners can be made at right-angle air-tight and water-proof without using iron or any other metallic material in bolting or screwing together, as it has been the custom heretofore, all as will be hereinafter fully explained.

Reference is to be had to the accompanying drawings, in which similar letters of reference indicate corresponding parts in all the figures and form a part of this specification.

Figure 1 is a perspective view of the corner-joint from the outside. Fig. 2 is a similar view from the inside. Fig. 3 is a detail of the key. Figs. 4 and 5 are detail perspective views of the side and end pieces for forming the joint. Fig. 6 is a detail sectional perspective view of the joint.

This invention is an improved joint or dovetail connection for uniting the sides and ends of boxes, coffins, &c., and is especially designed for use in making stone coffins; and it consists in the novel construction and combination of parts hereinafter clearly described and claimed.

Referring to the drawings by letter, A designates a slab having its ends rabbeted, as at *g h*, forming a tenon A' thereon, from which projects a dovetailed tenon F, the outer face *f* of which is inclined, as shown, while its inner face has a shoulder *f'* formed at the junction of tenons F and A'. B designates a slab having a wide vertical groove or recess D in its inner face near its end, into which tenon A' of slab A fits, as shown, and slab B also has a transverse opening E through it corresponding in width to the outer end of tenon

F, but this opening is made slightly oblique to slab B, so that when tenon F is inserted into said opening the outer face of said tenon fits tightly against the outer side of opening E, but leaves a space *y* between the inner faces of the tenons and opening, as indicated in Fig. 6. To insert tenon F through opening E it is necessary to turn slab A slightly oblique to slab B, and as the tenon F is inserted slab A is gradually turned at right angles to slab B until the tenons, openings, and recesses are interlocked, as shown in Figs. 1, 2, and 6. A key C is then inserted vertically in recess D and is locked between the shoulder *f'* and rabbet *h* and between tenon A' and inner side of recess D, as shown in Fig. 6. This key when inserted prevents slab A being turned inwardly toward slab B, and consequently locks tenon F in opening E, and the inclined faces of the tenon F and opening effectively prevent the slabs being separated. A filling of cement may be placed in space *y*, preferably after key C is put in place. In the drawings but one tenon F is shown; but obviously more may be used, according to the width of the slabs. By this construction a strong interlocking tight connection or joint is made between the sides and the corners appear neatly finished, as the main parts of the joint are concealed. By varying the inclination of the opening E or of the tenon F the slabs may be united to stand at various angles to each other.

Having described my invention, what I claim as new, and desire to secure by Letters Patent thereon, is—

The combination, in a joint of the character described, of a slab having an oblique opening E and a recess D in its inner face, and a slab having a tenon F on its end beveled or inclined on its outer face and having a rabbet *h* in its inner side adjoining said tenon, with a locking-key C, placed in said recess D and rabbet *h*, all substantially as and for the purpose specified.

JOHN HENRY BEERS.

Witnesses:

MEDA SELL,
WILLIAM M. SELL.