

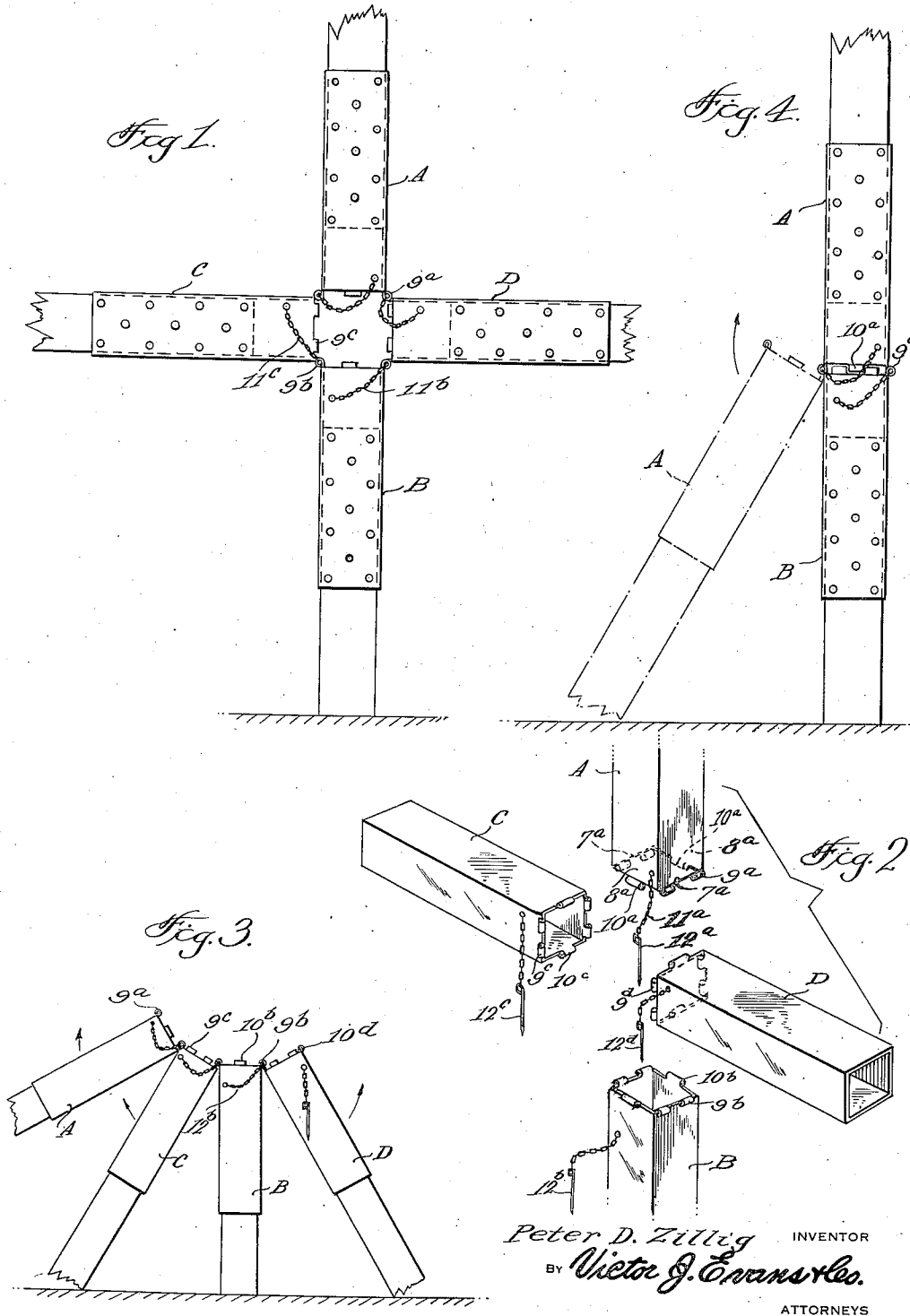
Dec. 10, 1940.

P. D. ZILLIG

2,224,499

TIMBER SPLICER

Filed May 10, 1939



UNITED STATES PATENT OFFICE

2,224,499

TIMBER SPLICER

Peter D. Zillig, Salamanca, N. Y.

Application May 10, 1939, Serial No. 272,883

1 Claim. (Cl. 287—54)

My invention relates to timber splicers and has as one of the principal objects thereof the provision of a simple device of the character referred to by means of which timbers or standards

5 may be extended by utilizing additional sections, which are placed in end to end relation, the splicing device serving to effectively couple and lock the adjacent ends of the timber sections together.

Another object of my invention is to provide a device of the above described character so constructed and arranged that timbers may be assembled in end to end and angular relation, for instance vertically and horizontally.

15 A further object of my invention is to provide a device of the above described character which is easy of attachment, durable in use, efficient in operation and economical in manufacture.

Other objects and advantages will be apparent from the following description, appended claim and annexed drawing.

20 Referring to the drawing wherein like reference characters designate like parts throughout the several views:

Figure 1 is a side elevation of my invention.

25 Figure 2 is a disassembled perspective view thereof.

Figure 3 is a side elevation of the invention illustrating the parts in position to be assembled.

Figure 4 is a side elevation illustrating the device as connecting a pair of timber sections together in end to end relation.

In practicing my invention, as disclosed in Figures 1 to 3 inclusive of the drawing, I provide a quaternary of sleeves or housings A, B, C and D respectively. Inasmuch as the housings A, B, C and D are of a substantially identical construction, a detailed description of housing A will suffice, it being understood, for the purpose of description, that the reference numerals indicative of parts of the housing A are set forth with exponents "a" and that the same reference numerals indicative of like parts of the housings B, C and D are set forth with exponents "b," "c" and "d" respectively.

45 The housing A encloses one end of a timber or the like and is of an elongated hollow construction and substantially square in cross section, although it is to be distinctly understood that any desired shape may be employed without departing from the spirit of the invention. The housing A is provided with pairs of oppositely disposed walls 7a and 8a, each of the walls 7a being fashioned on the inner end thereof with a pair of spaced hinge sleeves 9a and each of the walls 8a are fashioned on the inner end with a single hinge

sleeve 10a of a length substantially the same as the distance between each pair of the sleeves 9a. One wall of the housing A has attached thereto, adjacent the end thereof, a chain 11a to which is secured the end of a pintle 12a which is adapted to secure hinge sleeves of a pair of the housings in connected relation as hereinafter set forth. Each of the walls of the housings are provided with openings registering with the opposite wall and through which pass bolts for securing within the housings the ends of the timbers as clearly illustrated in the drawing.

In use, the housings being in disassembled relation as illustrated in Figure 2, the ends of the timbers are fixed therein by means of the aforementioned bolts and the housing B, being vertically disposed, has attached thereto the housing D through the medium of the sleeves 9b and 10d, the latter being coupled together by the pintle 12b. The housing B has connected on the opposite side the housing C through the medium of the sleeves 9b, 10c and also the pintle 12c as illustrated in Figure 3. The housing C has connected thereto, on the opposite side from the housing B, the housing A through the medium of the sleeves 10c, 9a and the pintle 12a. When the housings are thus connected, the housings A and C are raised above the housing B to align the timber 6b with the timber 6a and the housing D elevated to align the timber 6d with the timber 6c as clearly illustrated in Figure 1 of the drawing. In this position, the pintle 12d is employed to connect the sleeves 9a and 10d together thereby securing the timbers together and disposing the timbers 6a and 6b in vertical aligned position and the timbers 6c and 6d in horizontal aligned position.

As illustrated in Figure 4 of the drawing, a pair of the sleeves may be employed for securing a pair of timbers together in aligned relation, for instance, timbers 6a and 6b having their ends secured within housings A and B respectively. In this arrangement, the sleeves 10a of the housing A are fitted between the sleeves 9b of the housing B and the sleeves 10b of the latter between the sleeves 9a of the housing A. When thus arranged, the sleeves are connected together by pintles and thus secure the timbers together.

Obviously, other housings may be connected in angular relation, for instance, with reference to Figure 1, a pair of housings having timber ends secured thereto may be connected to the sleeves of the housings A, B, C and D on each side thereof and extend at right angles relative to the housings.

From the foregoing it will be apparent that I have provided a simple form of splicer whereby various lengths of timbers may be connected together in aligned and angular relation.

- 5 It is obvious that the invention is not confined to the herein described use therefor, as it may be utilized for any purpose to which it is adaptable. It is therefore to be distinctly understood that the invention is not limited to the specific construction as illustrated and described, as the same is only illustrative of the principles of operation, which are capable of extended application in advance forms, and that the invention comprehends all construction within the scope of the appended claim.
- 10
- 15

What I claim is:

A device of the character described, comprising, a housing provided with side walls having pairs of oppositely disposed end sections, one pair of said end sections provided with oppositely disposed pairs of spaced hinge sleeves and the other pair of said end sections each provided with a hinge sleeve of a length substantially the same as the distance between the respective pairs of hinge sleeves, and means insertable in said sleeves for connecting thereto similar hinge sleeves of a like housing whereby to secure said housings together in aligned relation.

5

10

PETER D. ZILLIG. 15