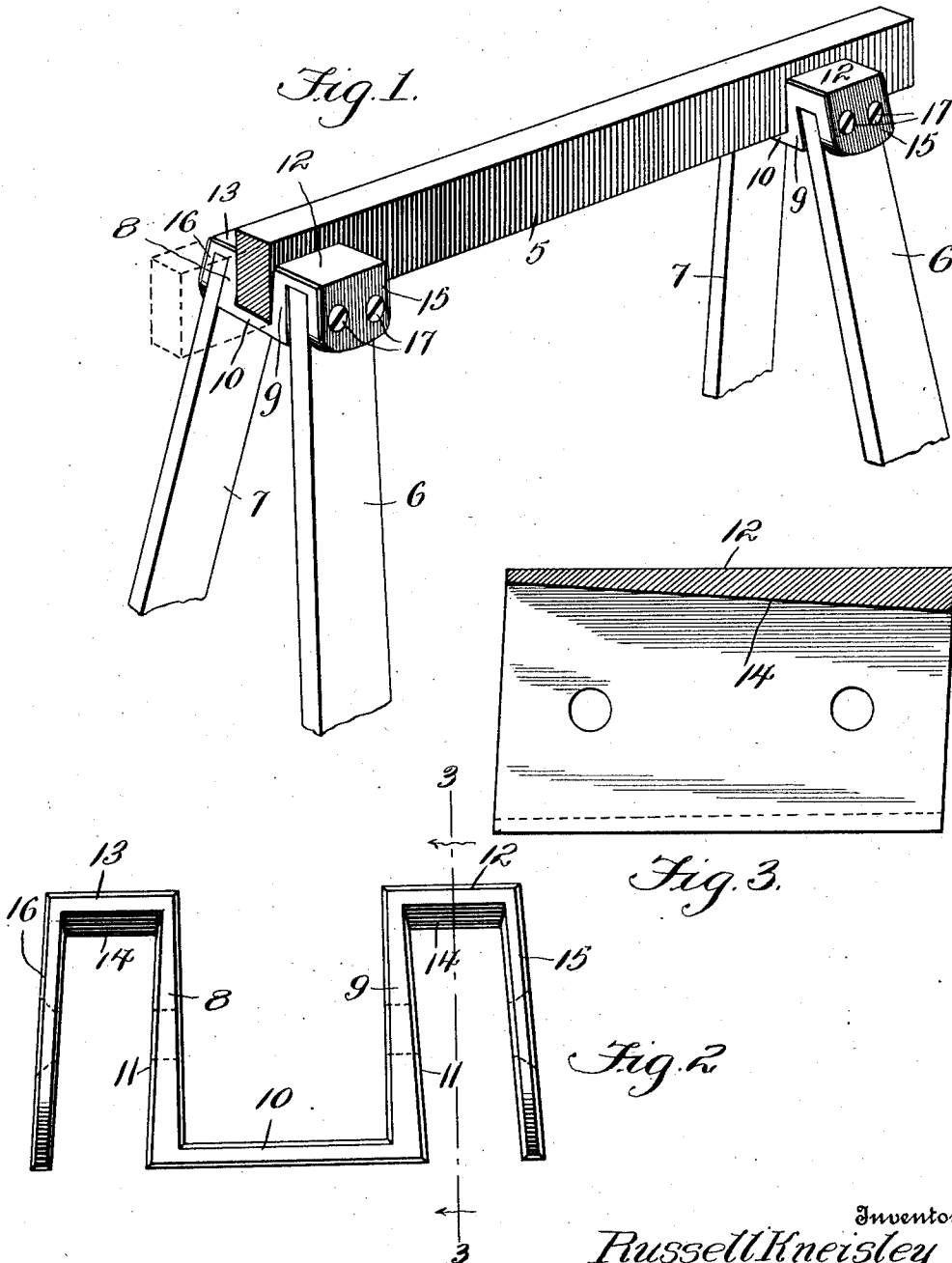


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TRESTLE.

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1,015,191.

Patented Jan. 16, 1912.



Witnesses

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UNITED STATES PATENT OFFICE.

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TRESTLE.

1,015,191.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, RUSSELL KNEISLEY, a citizen of the United States of America, residing at Carrollton, in the county of Carroll and State of Missouri, have invented new and useful Improvements in Trestles, of which the following is a specification.

This invention relates to improvements in trestles and has particular reference to a bracket to be employed for connecting the cross beam with the legs of the trestle.

One object of the invention is the provision of a bracket so constructed that the cross beam and legs of a trestle may be readily connected without the usual method of mitering the ends of the legs of the trestle in order that the legs will assume the proper pitch or angle to the cross beam of the trestle.

Another object is the provision of a bracket so constructed that the legs and cross beam may be readily connected and disengaged whenever desired.

With these and other objects in view, which will more fully hereinafter appear, the present invention consists in certain novel details of construction and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings and more particularly pointed out in the appended claim; it being understood that various changes in the form, proportion, size, and minor details of the device may be made, within the scope of the appended claim, without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, forming part of the specification;—Figure 1 is a perspective view of a trestle provided with my improved device. Fig. 2 is a detail end view of the device. Fig. 3 is a vertical section taken on the line 3—3 of Fig. 2 looking in the direction of the arrow.

Similar numerals of reference are employed to designate corresponding parts throughout.

The cross beam of the trestle is designated by the numeral 5 and the legs thereof by the numerals 6 and 7.

The bracket forming the subject matter of the present invention is preferably of metal and in the application of the device a pair of these brackets will be employed and arranged at the opposite end portions of the cross beam 5 to connect the legs with the

opposite end portions of the cross beam. The bracket is preferably formed of a single casting and is shown to include a substantially U-shaped portion the opposite limbs of which are designated by the numerals 8 and 9, and the horizontal cross piece connecting said limbs by the numeral 10.

By reference now to Fig. 2 it will be seen that the outer surfaces of the limbs 8 and 9 are inclined as shown at 11. This inclination 11 extending inwardly from the lower to the upper end portions of the limbs 8 and 9. The limbs 8 and 9 terminate in outwardly extending plates 12 and 13, the said plates being arranged at right angles to the limbs 8 and 9 and having their lower or inner faces inclined, as shown at 14, such inclinations extending from corresponding ends of the plates 12 to the opposite ends thereof. The plates 12 terminate in what will subsequently be termed cheek plates 15 and 16, the said cheek plates 15 and 16 being parallel with the inclined surfaces 11 of the limbs 8 and 9. By the provision of the limbs 8 and 9, the plates 12 and 13 and cheek plates 15 and 16, it will be manifest that sockets are provided to receive the upper ends of the legs 6 and 7, and by virtue of the inclined portions 11 and 14 the said legs 6 and 7 will be given the required lateral and endwise pitch with respect to the cross beam 5. The U-shaped portion of each bracket receives the end portion of the cross beam 5, and in order to prevent displacement of the latter alining openings are formed in the limbs 8 and 9 and cheek plates 15 and 16, these alining openings receive screws 17 or the like which extend through openings in the cross beam 5. Owing to the inclination of the limbs 8 and 9 the weight upon the cross beam 5 will draw the limbs toward each other and thereby bind the beam against displacement.

From the foregoing, it is evident that I have provided a device which is comparatively simple in structure and inexpensive in manufacture, embodying few parts and these so arranged that the danger of derangement will be reduced to a minimum.

I claim:—

In a trestle, a body portion comprising a central bar adapted to receive a horizontal supporting member or beam and inverted U-shaped end portions, the opposing walls of each end portion being inclined upwardly and inwardly and the top walls of said end

portions being inclined in a common direction, the outer walls of said end portion having openings therein and legs having beveled upper terminals fitting between said walls
5 and snugly engaging the inclined surfaces thereof, said end portion being adapted to bind against the supporting member or beam under the influence of a load upon said supporting member or beam, and means ex-

tending through said under portions for securing the legs thereto.

In testimony whereof I affix my signature in presence of two witnesses.

RUSSELL KNEISLEY.

Witnesses:

WM. G. BUSBY,
RUTH DYER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
