L. O. BLOMQVIST.

CONNECTING BLOCK FOR KNOCKDOWN STRUCTURES.

APPLICATION FILED APR. 30, 1914.

1,114,336. Patented Oct. 20, 1914.

Fig. 1.

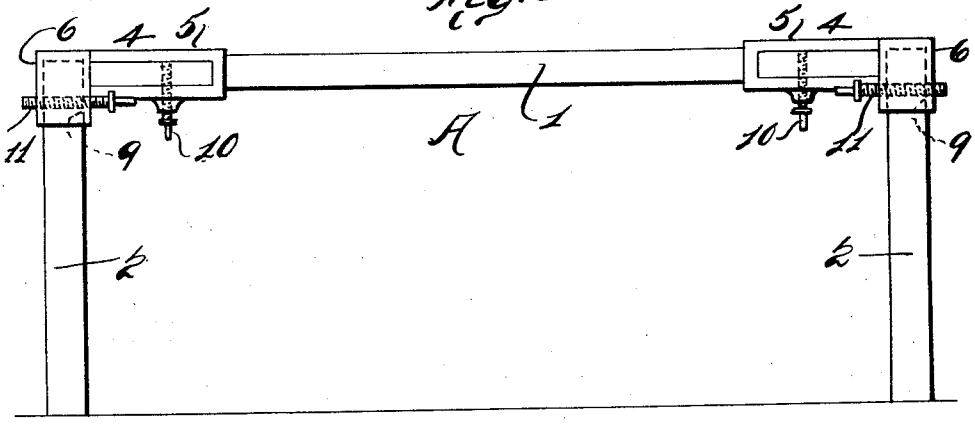


Fig. 2.

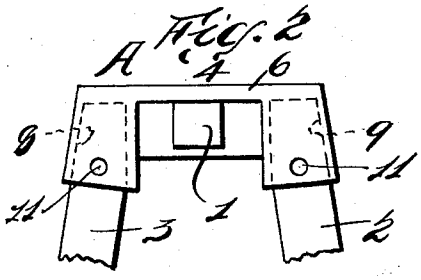


Fig. 4.

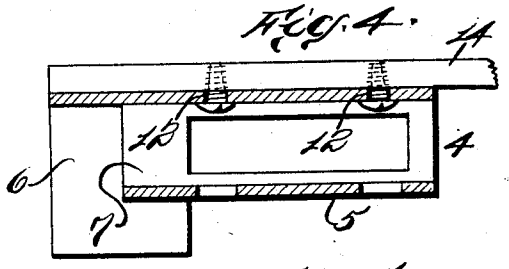


Fig. 5.

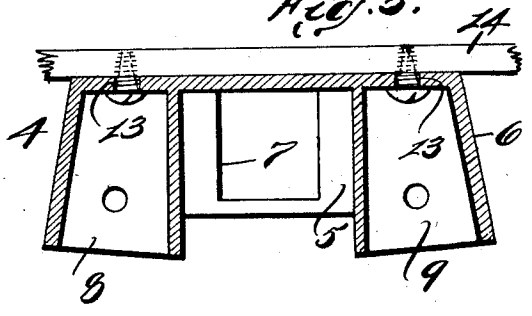


Fig. 7.

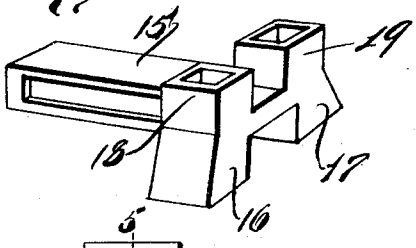


Fig. 3.

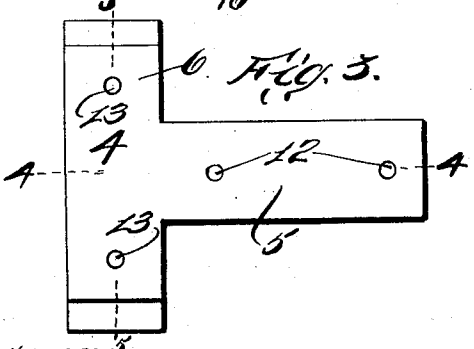
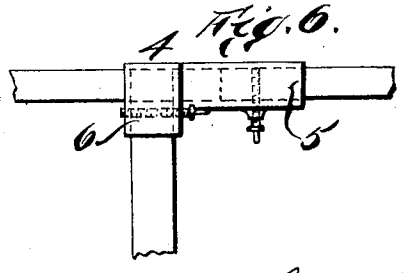


Fig. 6.



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

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CONNECTING-BLOCK FOR KNOCKDOWN STRUCTURES.

1,114,336. Specification of Letters Patent. Patented Oct. 20, 1914.

Application filed April 30, 1914. Serial No. 835,395.

To all whom it may concern:

Be it known that I, LARS O. BLOMQVIST, a citizen of the United States of America, residing at Woodside, Queens county, State of New York, have invented certain new and useful Improvements in Connecting-Blocks for Knockdown Structures, of which the following is a full, clear, and exact description.

This invention relates to an improvement in brackets or connecting means for knockdown structures, the object of the invention being to provide a handy bracket or connecting device by which means strips, bars, etc., can be separably connected together so that benches, scaffolds, workbenches, carpenters' horses or the like, can be built up quickly and as quickly knocked down and stored away or packed for transportation.

I will now proceed to describe my invention in detail, the novel features of which I will point out in the appended claim, reference being had to the accompanying drawing, forming part hereof, wherein—

Figure 1. is a side elevation of a carpenter's-horse to which my invention has been applied. Fig. 2. is an end view thereof, the legs being broken off. Fig. 3. is an enlarged top plan view of my improved bracket. Fig. 4. is a sectional view, the section being taken on a line 4—4 in Fig. 3. Fig. 5. is a similar view, the section being taken on a line 5—5 in Fig. 3. Fig. 6. is a side view showing the bracket connecting the adjacent ends of two strips whereby a long horse can be supported in the middle; and Fig. 7. is a perspective view of a modified form of bracket.

In the drawing, I have illustrated my improvement as utilized to build up a carpenter's-horse, indicated by A, Fig. 1, the said horse consisting of a reach bar 1 and two legs 2 and 3 at each end thereof. The reach bar 1 and legs 2 and 3 are rigidly secured together to form a strong firm structure by means of a connecting block or bracket 4 consisting of socketed members 5 and 6 disposed relative to each other to form a cross.

To receive the ends of a reach-bar, to form a horse, the member 5 of the block is provided with a socket or opening 7 which extends therethrough from end to end in order that a reach-bar can be engaged at its ends or intermediate the ends, as shown in Fig. 6. To receive the upper ends of members to form legs the member 6 is provided with pockets 8 and 9. The member 5 of the block is provided with a locking screw 10 which passes through the reach-bar and the member 6 with locking screws 11 which pass through the legs 2 and 3. The screws 10 and 12 prevent the reach-bar and legs from being prematurely pulled out. Each member 5 and 6 is further provided with screw-holes 12 and 13, respectively, in order that a board 14 (Figs. 4 and 5) can be secured to the blocks to form a table. For extra long horses, tables or scaffolds, a block such as 4 can be placed upon the reach-bar intermediate the ends, to brace the same, as shown in Fig. 6.

For building scaffolds the block may be made as shown in Fig. 7, that is to say, with a socketed member 15, downwardly directed pocketed members 16 and 17 and upwardly directed pocketed members 18 and 19. By means of this latter form of bracket a foundation structure can be built up as shown in Fig. 1; uprights can then be placed in the pockets of the members 18 and 19 and other brackets placed upon these uprights, and so on until the scaffold is built to the required height.

Having now described my invention, what I claim and desire to secure by Letters Patent is:

A securing device for scaffolds or the like, consisting of a block having an angular opening extending therethrough from end to end, one end of said block being provided with an extension, said extension being provided with a plurality of downwardly directed pockets, and said extension being further provided with a plurality of upwardly directed pockets alining with the downwardly directed pockets.

Signed at New York city, N. Y. this 29th day of April, 1914.

LARS O. BLOMQVIST.

Witnesses:
EDWARD A. JARVIS,
WM. G. JOHNSON.

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