No. 860,161. PATENTED JULY 16, 1907.

C. H. THOMAS.

ADJUSTABLE TRESTLE.

APPLICATION FILED FEB. 25, 1907.

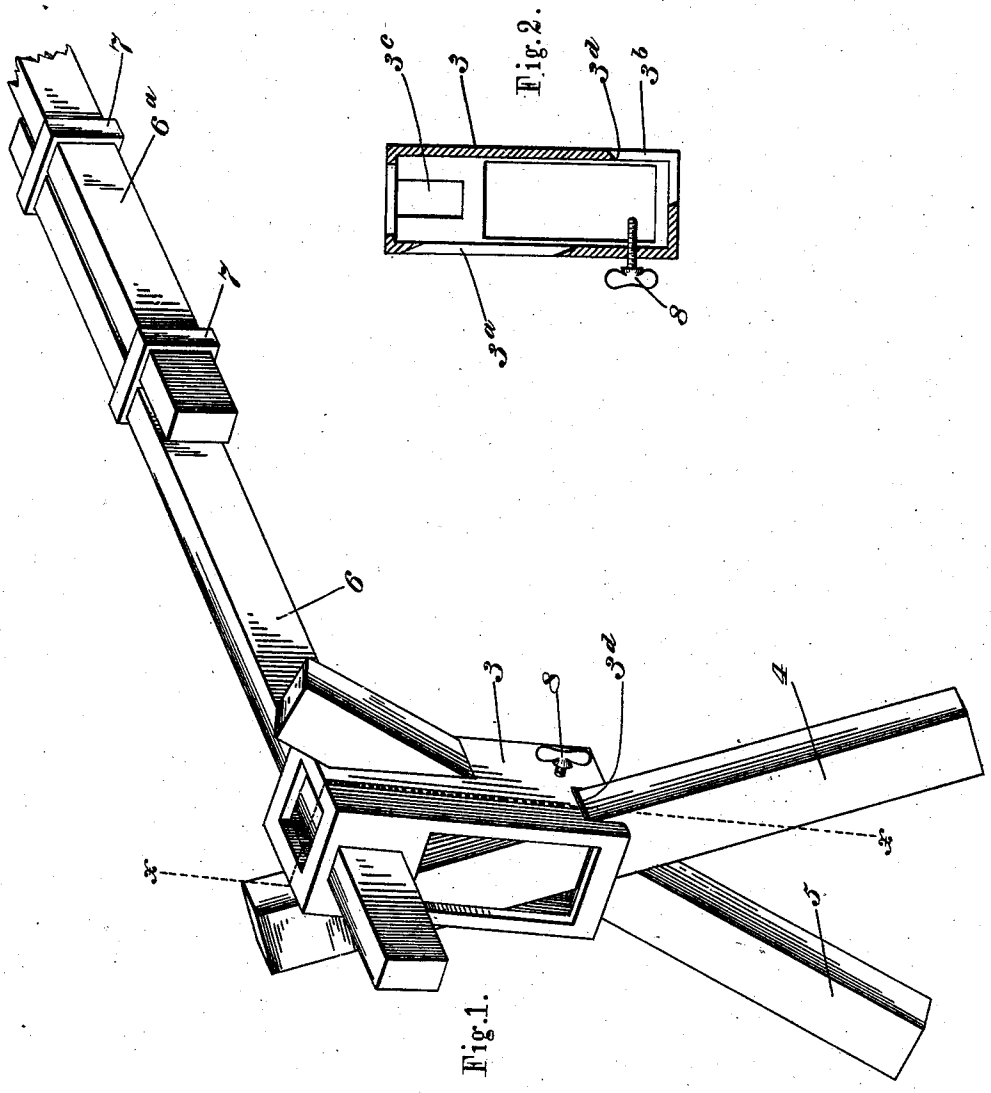


Fig.1.

Fig.2.

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE TRESTLE.

No. 860,161. Specification of Letters Patent. Patented July 16, 1907.

Application filed February 25, 1907. Serial No. 359,075.

To all whom it may concern:

Be it known that I, CHARLES H. THOMAS, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Adjustable Trestles, of which the following is a specification.

The object of this invention is to provide for the use of plasterers, paper-hangers, carpenters, and other artisans an improved horse or trestle that shall be adjustable as to both its height and its length.

The invention consists in the construction hereinafter described and claimed.

In the accompanying drawings—Figure 1 is a perspective view of one end, showing a portion also of the supporting bar of the opposite end, the opposite ends being substantial duplicates of each other. Fig. 2 is a sectional view on a plane, including the line x—x Fig. 1.

In the views 3 designates end blocks or castings of iron or other metal of approximately parallelepiped form but made hollow and frame-like for the purpose of reducing its weight. In the walls of the block are made openings or passages, as shown at 3^a and 3^b, the general direction of which is oblique to the longitudinal axis of the block. These oblique openings are formed in different planes in the block and at angles to each other, and are designed to freely receive wooden legs 4 and 5. In the block above the intersection of the planes of the legs is provided a horizontal opening 3^c through which is freely passed the wooden ledger or supporting bar 6. The ledger or supporting bar can be made in several parts, a fraction of an additional part being designated 6^a, and they can be held together but so as to be longitudinally adjustable by means of metal yokes 7. The upper wall of the lower portion of the passages 3^a and 3^b can be beveled or sharpened (as seen at 3^d) to penetrate the wood of the legs to prevent possible slipping of them, but the mere obliquity of the passages and weight of the block and ledger will ordinarily suffice to prevent slipping of the legs after adjustment. To prevent the legs from slipping out when the device is lifted about I can use set screws 8 to pinch the legs against the upper wall of the passage.

To secure steadiness the horizontal passage of each block 3 is made at a slightly obtuse angle to the plane of the passages for the legs, thus causing an outward inclination of each pair of legs to the horizontal support or ledger.

From this construction it will be observed that the horse or trestle is adapted to very small as well as very large rooms, either as to their height or length and width, and hence is especially useful for plasterers and paper-hangers.

I am cognizant of the United States patents issued to Hughes No. 319,723, June 9, 1885, and Jones No. 495,492, April 18, 1893, and do not wish to be understood as attempting to claim anything shown by said patents.

What I claim and desire to secure by Letters Patent is:

1. A trestle comprising two integral end blocks each provided with opposing diagonal through passages in approximately vertical planes and a horizontal passage intersecting said planes above the line of intersection of said diagonal passages, a wall of each of said diagonal passages being provided with a penetrating edge, legs passing through and adjustable by movement through said diagonal passages, and a supporting bar loose in said horizontal passages.

2. In an adjustable trestle, an end block provided with an oblique passage to receive an adjustable leg, the wall of said passage provided with a penetrating edge.

3. In an adjustable trestle, an end block provided with an oblique passage to receive an adjustable leg, the wall of said passage provided with a penetrating edge, and a set screw in said block to press the leg toward said penetrating edge.

CHARLES H. THOMAS.

Witnesses:
BENJAMIN FINCKEL,
ALICE B. COOK.