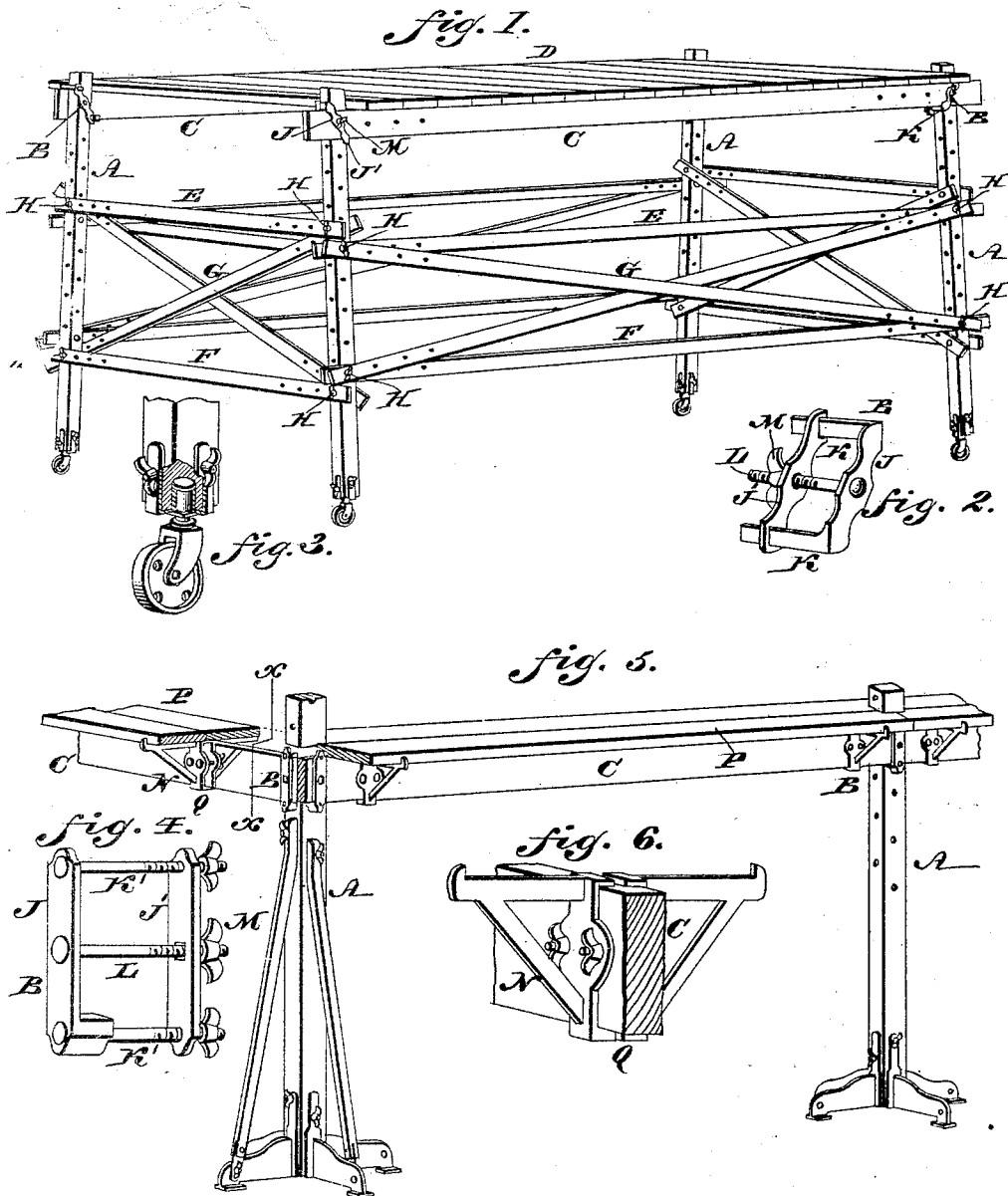


(No Model.)

J. T. O'BRIEN.
MOVABLE SCAFFOLD.

No. 437,935.

Patented Oct. 7, 1890.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN T. O'BRIEN, OF PHILADELPHIA, PENNSYLVANIA.

MOVABLE SCAFFOLD.

SPECIFICATION forming part of Letters Patent No. 437,935, dated October 7, 1890.

Application filed January 24, 1890. Serial No. 337,985. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. O'BRIEN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Movable Scaffolds, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a movable scaffold formed of parts that may be readily set up and taken down, and when in operative condition is strong and durable.

Figures 1 represents a perspective view of a movable scaffold embodying my invention. Fig. 2 represents a perspective view of one of the ties or saddles employed. Fig. 3 represents a partial side elevation and partial vertical section of one of the uprights and cast-er-roller. Fig. 4 represents a perspective view of another form of tie or saddle. Fig. 5 represents a perspective view of a modification of the scaffold. Fig. 6 represents a partial perspective view and partial vertical section, on an enlarged scale, on line *x x*, Fig. 5.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates the legs or uprights of a scaffold, to the top of which are secured by ties or saddles B the ledgers C, on which latter is supported the flooring D,

At the sides and ends of the scaffold there are secured the horizontal top and bottom braces E and F and diagonal braces G, the ends of said braces E, F, and G being secured by bolts H to the uprights A.

The ties or saddles B consist of heads J J' at an angle of inclination, cross-bars K, and a bolt L, the heads J' being removable and the bars projecting from the head J and passing freely through the head J'. The bolt L passes through said heads J J' and is provided with a tightening-nut M. It will be seen that each head J J' embraces the end of the ledger and upright, and the bars K K are above and below said end of the ledger and abut against the opposite side of the upright. The bolt L passes through the ledger C and upright A, so that when the nut M is tightened said parts are firmly clamped

together, and owing to the construction of the tie and saddle lateral motions of the ledger and uprights are prevented, thus also preventing swaying of the scaffold. The ledgers and braces are adjustable by means of apertures, as shown, and several parts are held by the same fastening.

N designates brackets, which are bolted to the ledgers C and support the platforms P independent of the flooring D, said brackets having flanges Q on the top and bottom of the back plate thereof, the same embracing the ledgers C, so that the brackets are firmly supported thereon.

In Fig. 4 I show another form of tie or saddle, wherein bolts K' are employed in lieu of the cross-bars K of Fig. 2.

In Fig. 5 I show legs or uprights A, with feet at the bottom thereof, thus providing broad bases for the same.

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

1. A scaffold having uprights and floor-supporting ledgers adjustably connected therewith, brackets attached to and having flanges embracing said ledgers, and adjustable saddles embracing said ledgers and uprights, substantially as described.

2. A scaffold having uprights and floor-supporting ledgers adjustably connected therewith, in combination with brackets attached to and having flanges embracing said ledgers, substantially as described.

3. A scaffold having uprights and floor-supporting ledgers adjustably connected therewith, said uprights having a series of openings, and diagonal and horizontal braces having openings therein, in combination with brackets attached to and having flanges embracing said ledgers, adjustable saddles embracing said ledgers and uprights, and removable fastening devices connecting said diagonal and horizontal braces with the uprights, substantially as described.

JOHN T. O'BRIEN.

Witnesses:

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