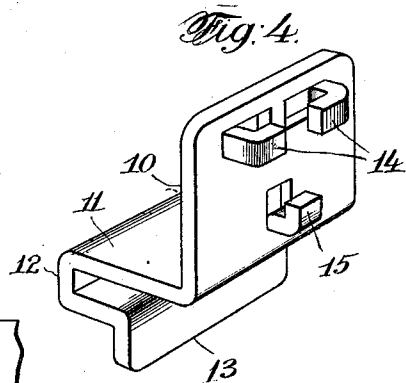
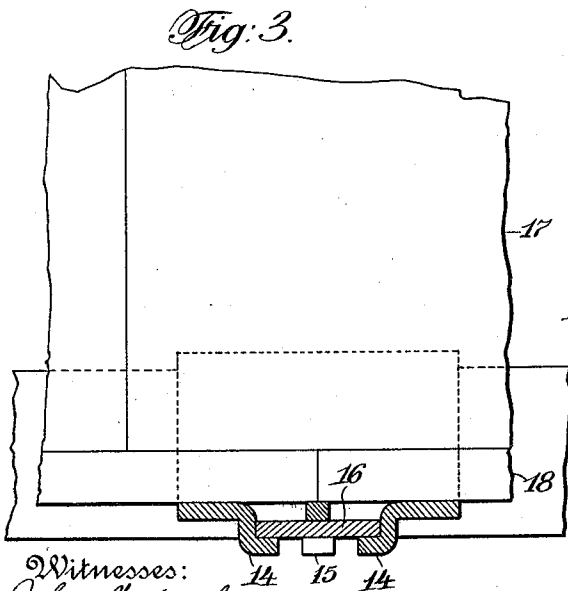
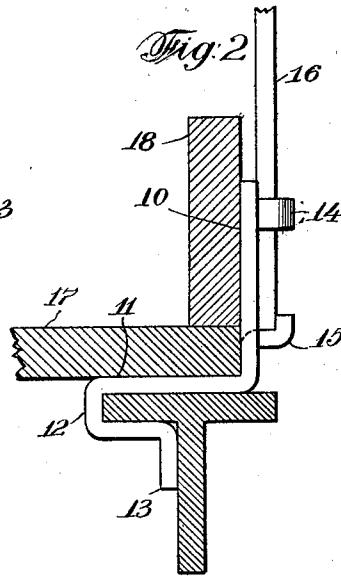


1,000,465.



Witnesses: 14 15
John J. Kitter
J. C. Davis

Wesley Hail-
Inventor
By his Attorney
Chas. S. Williams

UNITED STATES PATENT OFFICE.

WESLEY WAIT, OF NEWBURGH, NEW YORK.

SUPPORTING-BRACE.

1,000,465.

Specification of Letters Patent. Patented Aug. 15, 1911.

Application filed September 13, 1910. Serial No. 581,857.

To all whom it may concern:

Be it known that I, WESLEY WAIT, a citizen of the United States, residing at Newburgh, in the county of Orange and State of New York, have invented a new and useful Supporting-Brace, of which the following is a specification.

My invention relates to an improvement in supporting braces to be used in connection with T beam stringers or supports, and the objects of my invention are to provide (1) a supporting brace to hold the bottom, side and end boards of my bench for greenhouses in place upon the upper surfaces of the horizontal flanges of the longitudinal and transverse T beam stringers of my bench for greenhouses, and (2) to provide a supporting brace which will prevent a plane surface when laid upon the upper surface of the horizontal flanges of a T beam stringer or support from slipping or shifting out of position. I attain these objects by the device illustrated in the accompanying drawing in which—

Figure 1, is a side view of my supporting brace. Fig. 2, is a sectional view on the line 2—2 of Fig. 1. Fig. 3, is a sectional plan view on the line 3—3 of Fig. 1. Fig. 4, is a perspective view.

Similar numerals refer to similar parts throughout the respective views.

My supporting brace, which is stamped out of a single piece of metal or cast in a single piece, comprises a vertical portion or back, 10, a horizontal portion or seat, 11, bent at right angles to the back, 10, and arranged to rest upon or engage with the upper surface of the horizontal flange of a T beam stringer, a clasp, 12, formed by bending over the seat, 11, and extending inwardly the bent over portion horizontally and parallel with the seat, 11, so as to clasp the edge of the horizontal flange of the T beam stringer and bear upward against or engage with a part of the under surface of said horizontal flange, and a leg, 13, formed by extending downward the inwardly extending portion of the clasp, 12, so that it will bear against or engage with one side of the vertical flange or web of the T beam stringer; the effect of this construction being that pressure against the back, 10, will cause the various other parts of my supporting brace to bear against or engage with the adjacent portions of the flange surfaces and the web

of the T beam stringer and hold the brace firmly in place on the stringer.

Upon the rear or outer side of the back, 10, a socket, 14, is arranged, either stamped out of the metal of the back, 10, or cast on the back, 10, as may be desirable. The socket, 14, is provided with a bottom stop, 15, also stamped out of the metal of the back, 10, or cast thereon.

In use my supporting brace is applied to a T beam stringer of my bench for greenhouses so that the clasp, 12, engages the edge of the horizontal flange of the stringer and the inwardly extending portion of the clasp, 12, engages that part of the under surface of the horizontal flange extending outwardly from the vertical flange or web of the stringer, the seat, 11, resting upon the upper surface of the horizontal flange and the leg, 13, bearing against one side of the vertical flange or web of the stringer, the braces being ordinarily used in pairs, but the use in pairs is not essential as the braces may be used singly.

A transverse bottom board, 17, of my bench for greenhouses, is laid upon the seat, 11, of each brace with one end of the board abutting against the back, 10, of each brace of the pair, the backs, 10, thus holding the bottom board, 17, on the stringer, as many bottom boards with their braces as are necessary being arranged with the edges of the boards adjoining. A side board, 18, is placed longitudinally of my bench for greenhouses on edge on the end of the bottom board, 17, one side of the side board, 18, bearing against and held up by the back, 10, of the supporting brace, the required number of side boards being thus arranged, the pressure of the earth or other contents from the interior of the box formed by the side boards, 18, holding the side boards against the backs, 10, of the supporting braces. End boards may be supported in a similar manner except that they are laid transversely of my bench for greenhouses. If no soil be placed in the beds but small plant pots are used the pressure against the backs, 10, of my supporting braces is slight and the legs, 13, could be shortened or done away with, one object of the legs, 13, being to act as reinforcing or strengthening bars for the turned over portion of the clasp, 12.

When it is desired to retain a plane surface such as a top or platform upon the up-

per surface of the horizontal flanges of T beam stringers or supports it is only necessary to apply the supporting braces with their parts in engaging relationship with the flange surfaces and webs of the stringers as above set forth and lay the top or platform between the backs, 10, of the supporting braces so that the edges of the platform or top abut against the backs 10.

10 An advantage in the use of my supporting brace lies in the fact that the brace requires no fixed sockets to attach it to the T beam stringers or supports, but it may be applied to a T beam stringer or support at any desired point. Another advantage thereof is that where wooden side or end boards are used in my bench for greenhouses all the timber can be utilized, for if a board 15
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