No. 854,163. PATENTED MAY 21, 1907.

F. F. HASKELL.

FOLDING SCAFFOLD BRACKET.

APPLICATION FILED JULY 20, 1906.

Fig. 1.

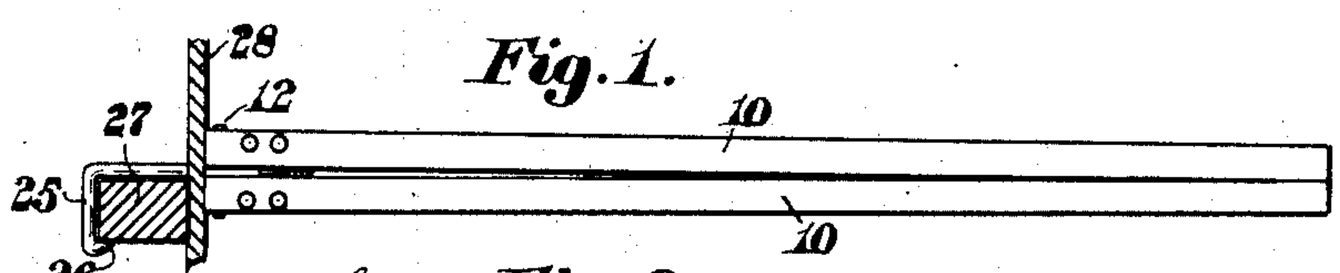


Fig. 3.

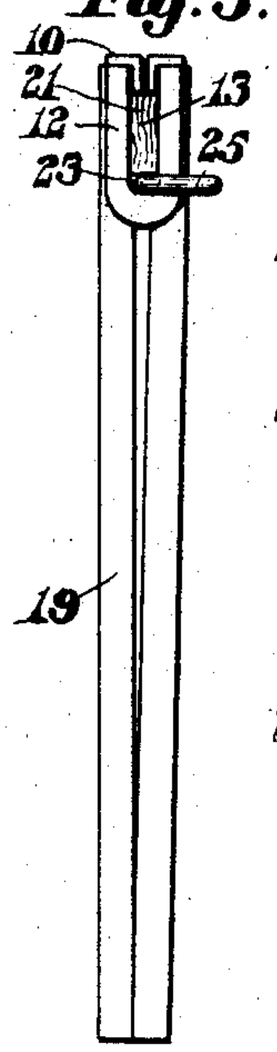


Fig. 2.

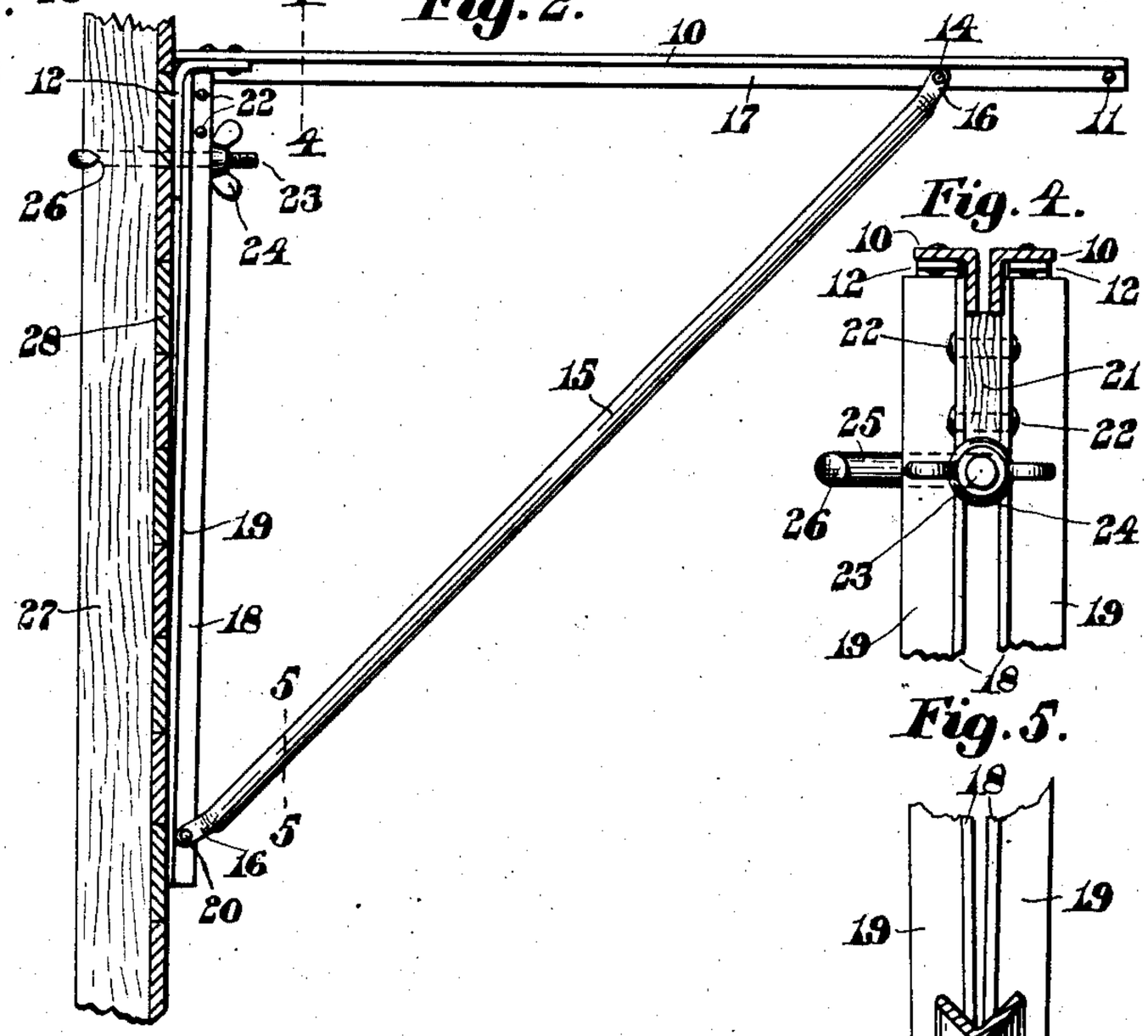


Fig. 4.

Fig. 5.

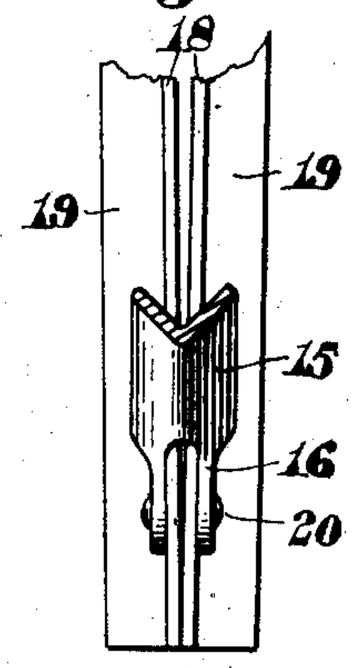
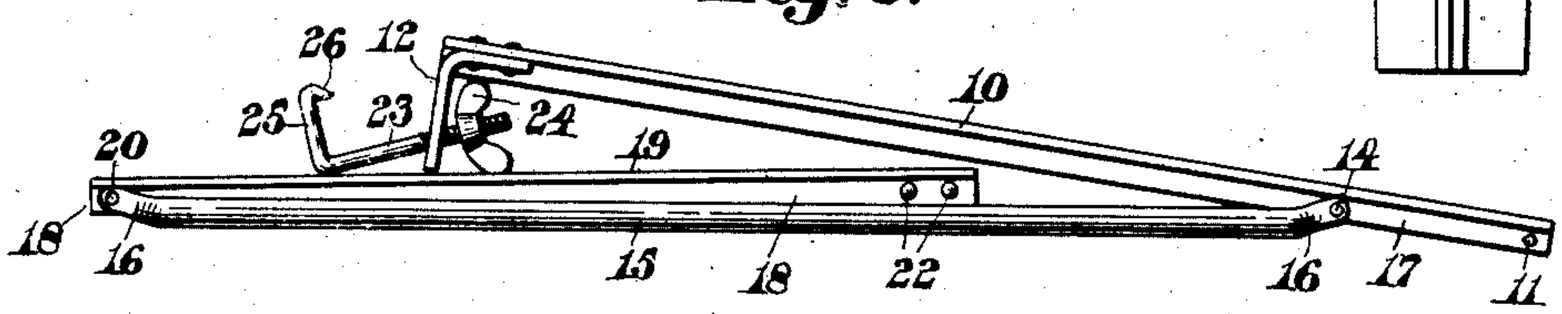


Fig. 6.



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FOLDING SCAFFOLD-BRACKET.

No. 854,163. Specification of Letters Patent. Patented May 21, 1907.

Application filed July 20, 1906. Serial No. 327,012.

To all whom it may concern:

Be it known that I, FREDERICK F. HASKELL, a citizen of the United States of America, and a resident of Cambridge, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Folding Scaffold-Brackets, of which the following is a specification.

This invention relates to folding scaffold brackets to support platforms for the use of carpenters or other mechanics during the construction of the walls of a building.

It consists in a device of this nature formed of angle irons and pivoted together in such a manner that it may be folded readily into small compass and as readily may be affixed to the side of a wall and clamped thereto.

The invention consists in certain novel features of construction and arrangement of parts which will be readily understood by reference to the description of the drawings and to the claims to be hereinafter given.

Of the drawings: Figure 1 represents a plan of a bracket embodying the features of this invention, applied to a section of a wall. Fig. 2 represents a side elevation of the same, shown as applied to the section of a wall. Fig. 3 represents a rear elevation of the bracket. Fig. 4 represents an enlarged section on line 4—4 on Fig. 2. Fig. 5 represents an enlarged section on line 5—5 on Fig. 2, and Fig. 6 represents a side elevation of the device in the folded position.

Similar characters designate like parts throughout the several figures of the drawings.

In the drawings, 10—10 represent two angle irons the outer ends of which are riveted together at 11 while the inner ends are riveted to the horizontal portion of a forked plate 12, the rear of which extends downwardly and is provided at its lower end with a closed slot 13.

At 14 is pivoted to the under ribs of the angle irons 10 a brace 15 formed of angle iron with its ends 16 bifurcated to straddle the downwardly extending ribs 17 of the platform support 10 and the outwardly extending ribs 18 of the vertical member 19 to which said brace is pivoted at 20, said pivot 20 also serving to secure together the ribs 18 of the angle iron of which said vertical member is composed.

The upper ends of the ribs 18 are separated by means of a block 21 secured thereto by the rivets 22, these ribs 18 being separated sufficiently to permit the insertion of a threaded bolt 23 provided on its outer end with a clamping nut 24 and on its inner end with a portion 25 bent at right angles to its shank, the extreme end of said bent portion being provided with an outwardly extending spur 26 adapted to engage a stud 27 of a building in the course of construction.

In the operation of the invention, boards 28 are secured to the outer face of the studs 27 and as soon as the highest one has been placed in position at a point conveniently in the reach of the operator the bracket is placed in the position shown in Fig. 2 with the shank of the bolt 23 immediately above the upper edge of the highest board. The board placed immediately above this board is notched out at its lower edge so as to clear the shank of the bolt 23, leaving a small opening therein through which the bolt may be readily removed when it is desired to change the position of the bracket to a higher point, this being accomplished by loosening the nut 24, moving the bolt 23 slightly to the rear to disengage its contact from the stud 27, turning the bolt so as to free itself entirely from said stud, and then moving the bracket forwardly until the bent portion 25 reaches the rear face of the boards 28 and then swinging the bracket so that the bent portion 25 may be readily passed through the notch formed in the lower edge of the board.

This construction of bracket makes a very strong, durable affair, capable of sustaining great weights, and is folded readily into small compass in transit and at the same time is secured readily in position without the use of securing means other than those contained within itself.

It is believed that from the foregoing the operation and advantages of the invention will be fully apparent without further description.

Claims.

1. In a folding scaffold bracket, the combination of a vertical member; a horizontal member; a brace pivoted to both of these members; a downwardly extending plate secured to the free end of said horizontal member; and means for locking said downwardly extending plate to said vertical member.

2. In a folding scaffold bracket, the combination of a vertical member; a horizontal member; a brace pivoted to both of these members; a downwardly extending plate secured to the free end of said horizontal mem-

ber; and a threaded bolt and nut for locking said downwardly extending plate to said vertical member.

3. In a folding scaffold bracket, the combination of a vertical member; a horizontal member; a brace pivoted to both of these members; a downwardly extending slotted plate secured to said horizontal member; and a locking device for securing said plate to said vertical member.

4. In a folding scaffold bracket, the combination of a vertical member; a horizontal member; a brace pivoted to both of these members; a downwardly extending slotted plate secured to said horizontal member; and a threaded bolt and nut for securing said plate to said vertical member.

5. In a folding scaffold bracket, the combination of a vertical member; a horizontal member; a brace pivoted to both members; a downwardly extending plate secured to said horizontal member; and a threaded member and nut for securing these members together.

6. In a folding scaffold bracket, the combination of a vertical member; a horizontal member; a brace pivoted to both members; a downwardly extending plate secured to said horizontal member; a threaded member provided on its inner end with a stud-engaging device; and a clamping nut on the threaded end thereof.

7. In a folding scaffold bracket, the combination of a vertical member; a horizontal member; a brace pivoted to both members; a downwardly extending plate secured to said horizontal member; a threaded member provided on its inner end with a spur adapted to engage the stud of a building; and a clamping nut on the threaded end thereof.

8. In a folding scaffold bracket, the combination of a vertical member formed of two angle irons riveted together and separated at the upper end by a suitable block; a horizontal member formed of two angle irons riveted together; a brace pivoted to each of these members; a downwardly extending plate secured to the free end of the horizontal member and provided with a slot therein; and a bolt extending through the opening in the vertical member and said slot and provided with a nut for clamping said plate to said vertical member.

Signed by me at Boston, Mass., this 19th day of July, 1906.

FREDERICK F. HASKELL.

Witnesses:
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