

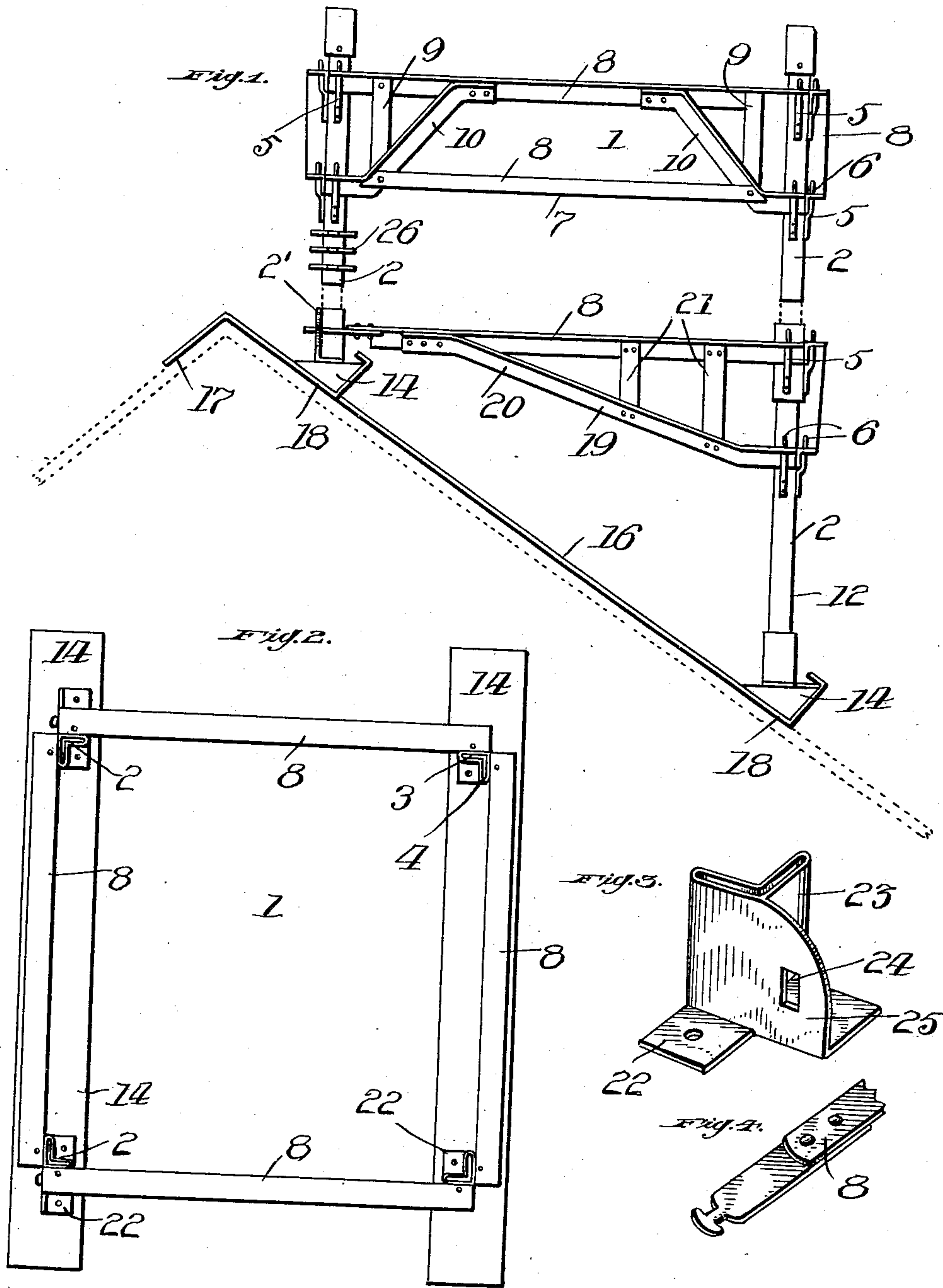
No. 742,565.

PATENTED OCT. 27, 1903.

T. E. BERRY.
FOLDING SCAFFOLD.

APPLICATION FILED JUNE 5, 1903.

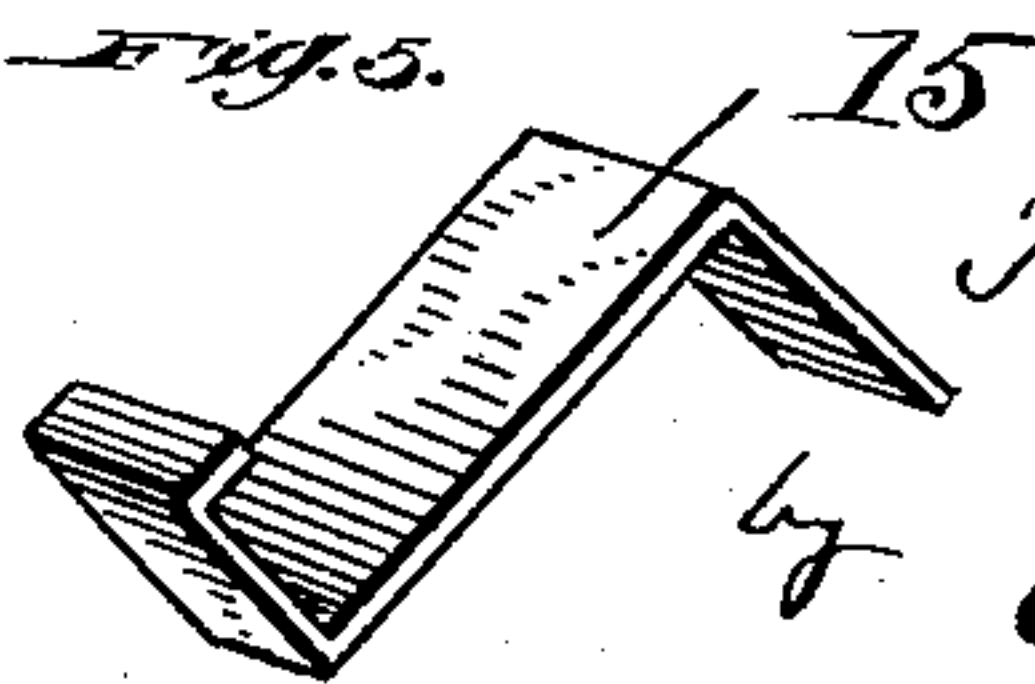
NO MODEL.



WITNESSES:

L. H. Butten.
M. Hunter

Fig. 5.



INVENTOR

Thomas E. Berry

by O. D. Lewis
Att'y.

UNITED STATES PATENT OFFICE.

THOMAS E. BERRY, OF YOUNGSTOWN, OHIO.

FOLDING SCAFFOLD.

SPECIFICATION forming part of Letters Patent No. 742,565, dated October 27, 1903.

Application filed June 5, 1903. Serial No. 160,201. (No model.)

To all whom it may concern:

Be it known that I, THOMAS E. BERRY, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented a new and useful Improvement in Folding Scaffolds, of which improvement the following is a specification.

This invention relates to certain new and useful improvements in folding scaffolds, and has for its object to provide a scaffold which can be readily folded, so that the same may be handled easily and when in use may be strong and easily put together.

Another object of my invention is to provide a scaffold which may be applicable to any desired use, the same being constructed in such a manner as to rest in a vertical position on any elevation.

Briefly described, the invention consists of a plurality of rectangular sections joined together, said sections constituting a scaffold of any desired height, an auxiliary section being provided to be used when the scaffold is to be raised on an inclined surface. The scaffold is so constructed that when the same is not in use it may be readily folded into a convenient size, whereby the same will be portable.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

Figure 1 is a side elevation of my improved scaffold, showing the same applied to the roof of a building. Fig. 2 is a top plan view of the base portion or auxiliary section. Fig. 3 is a detail perspective view of the socket connections between the vertical standards of the scaffold. Fig. 4 is a fragmentary perspective view of one end of the lateral braces employed in the auxiliary or base section, and Fig. 5 is a detail perspective of one of the Z-shaped supporting-hooks.

To put my invention into practice, I provide a plurality of sections 1, comprising four vertical standards 2, said standards being telescopic in one another, as indicated at 3, said socket connection being braced by the hollow angle-shaped member 4, carried upon the upper end of the vertical standards 2.

Suitably secured to the exterior side of the vertical standards 2 are the clamps 5, which have a pin 6 formed on their upper end, and upon this pin is secured the lateral braces 7, these braces constituting two horizontal angle irons or bars 8, which are braced by the vertical bars 9 and the angled bars 10. The horizontal angle-bars 8 have apertures 11 formed in the horizontal flange thereof, and in said apertures are engaged the pins 6, carried by the clamps 5. These lateral braces are secured in a similar manner on the four sides of the rectangular section 1, thus strengthening and bracing the same when the scaffold is to be used. The auxiliary section, which is to be used upon angled planes, such as the roof of a building, comprises four vertical standards similar to the rectangular framework above described, two of said standards being of greater length than the other two, as indicated at 12, the base of these standards and the shorter standards being secured to a longitudinal angled member 14, which engages in the Z-shaped hooks 15. When the scaffold is to be used, I employ four of these hooks, two of the same of greater length than the other two, as illustrated at 16. One end of said hook engages over the apex of the roof, as shown at 17, while the other end engages and supports the triangular members 14, as illustrated at 18. This auxiliary section is of similar construction to the section previously described, except the lateral braces 19 are constructed to conform to the angle of the roof, the lower horizontal brace being formed at an angle, as illustrated at 20, and braced by the vertical standards 21. The vertical standards 2 are secured to the angled members 14 by means of flanges 22, carried by the socket connection 23, carried at the base of the standards 2. To secure one end of the lateral braces to the standards 2, I provide an aperture 24, formed in an outwardly-extending flange 25 of the telescopic base of the standards 2', said connections being used upon the shorter standards 2'.

For the convenience of the person using said scaffold I provide a ladder 26, which is secured to the sides of the vertical standard, thereby providing means whereby when two or more of these sections are used a person

may ascend to any desired elevation upon the scaffold. From the above description it will readily be understood that I may employ any number of the rectangular sections to reach any desired height, all sections being joined or coupled together by the socket connections shown and described. It is obvious when working on a horizontal plane that the auxiliary rectangular section of the scaffold will not be used.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

A scaffold adapted to be folded, said scaffold comprising a plurality of sections, said sections consisting of four vertical standards, means for connecting said sections together,

lateral braces to support the vertical standards; means for securing said lateral braces to the vertical standards, an auxiliary section adapted to be used on angular planes, said section comprising four vertical standards, two of said standards being of greater length than the other two, lateral braces supporting said standards, angular bars secured to the base of the vertical standards, Z-shaped hooks adapted to engage said angular bars and support the same upon an angled plane, substantially as described and for the purpose set forth.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

THOMAS E. BERRY.

In presence of—

FRED. O. HENZI,
M. HUNTER.