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A. J. BORGMAN
ADJUSTABLE SCAFFOLD

2,556,611

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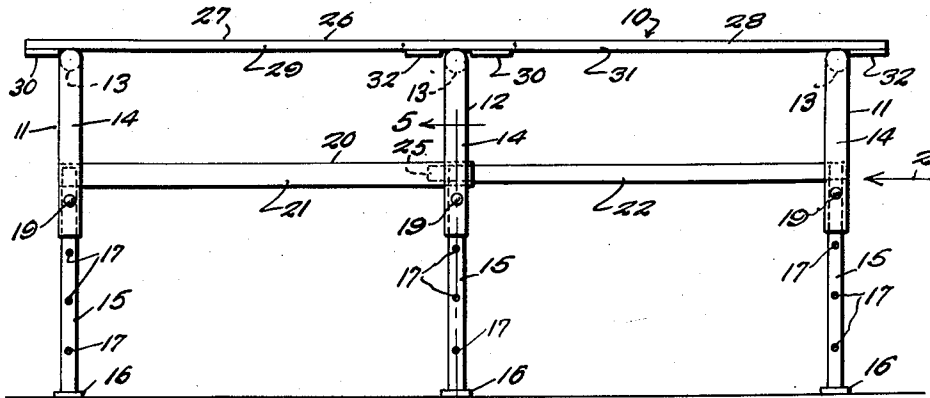


Fig. 1.

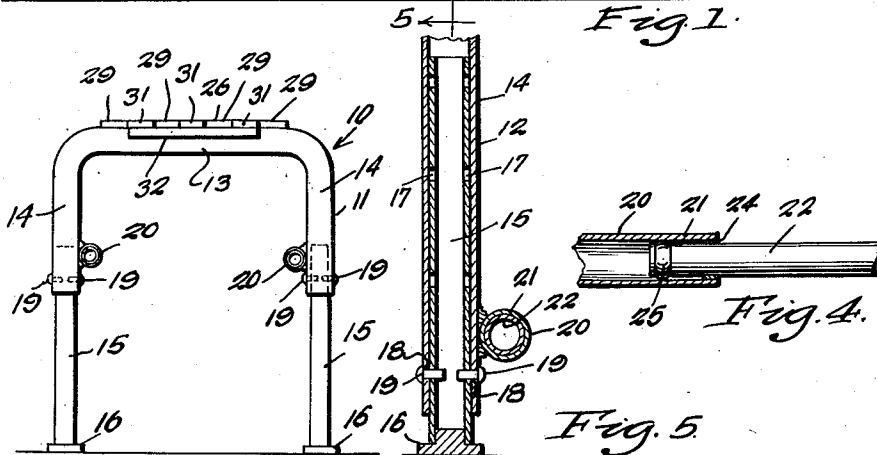


Fig. 2.

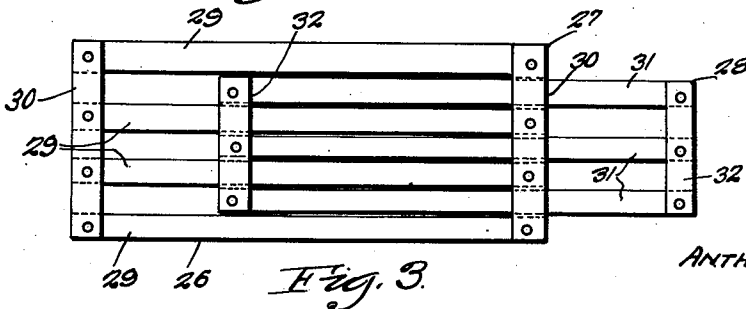


Fig. 3.

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ADJUSTABLE SCAFFOLD

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3 Claims. (Cl. 304—2)

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This invention relates to new and useful improvements and structural refinements in adjustable scaffolds, and the principal object of the invention is to provide a device of the character herein described, which may be conveniently and effectively employed when working in elevated locations, and which may be readily adjusted as to both length and height.

A further object of the invention is to provide an adjustable scaffold which is simple in construction, rigid and dependable in use, and which will not easily become damaged.

Another object of the invention is to provide an adjustable scaffold which may be easily transported.

An additional object of the invention is to provide an adjustable scaffold which will readily lend itself to economical manufacture and which is otherwise well adapted for the purpose for which it is intended.

With the above more important objects in view, and such other objects as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a side elevation of the invention.

Figure 2 is an end elevation thereof, taken in the direction of the arrow 2 in Figure 1.

Figure 3 is a bottom plan view of the adjustable platform used in the invention.

Figure 4 is a fragmentary detail of one of the telescoped tie-rods used in the same, and

Figure 5 is a cross sectional view, taken substantially in the plane of the line 5—5 in Figure 1.

Like characters of reference are used to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of an adjustable scaffold designated generally by the reference character 10, the same embodying in its construction a pair of end supports 11 and an intermediate support 12, disposed in a spaced parallel relation and each consisting of a length of tube angulated to provide a cross-member 13 and a pair of tube-like sockets 14.

It will be noted that the supports 11 and 12 thus assume an inverted U-shaped configuration and a substantially tubular leg 15 is slidably telescoped in the lower end of each of the sockets 14, as is best shown in Figure 5.

The lower extremity of the legs 15 are provided with suitable base flanges 16, and each of the

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legs is formed with a row of apertures 17, arranged in diametrically opposed pairs.

A further pair of diametrically opposed apertures 18 are provided adjacent the lower end of each of the sockets 14, the apertures 18 removably receiving suitable pins or rivets 19, which in turn, are selectively receivable in the apertures 17. It will be noted that in this manner, the relative position of the legs 15 with respect to the sockets 14 may be readily varied, in other words, the overall height of the supports 11, 12 together with the associated legs may thus be adjusted.

The supports 11 and 12 are secured together by a pair of telescoped tie-rods 20, each of the latter consisting of a tubular section 21 slidably receiving in one end thereof a similar section 22. The tie-rod sections 20 are welded or otherwise suitably secured to one of the end supports 11 and to the intermediate support 12, while the sections 22 are secured to the remaining end support.

It will be observed that the overall length of the scaffold may be adjusted by simply sliding the section 22 with respect to the section 21, and means are provided for preventing said sections from becoming separated.

Said means consist of suitable bushings 24 pressed in the ends of the sections 21 and slidably receiving the sections 22, while further bushings 25 are pressed onto the sections 22 and slidably engage the sections 21.

In this manner, the sections will be prevented from becoming separated by the contact of the bushings 24 and 25.

An adjustable platform 26 is positioned upon the cross-members 13, the platform comprising the sections 27 and 28. The platform section 27 consists of a plurality of spaced parallel slats 29 secured together at the ends thereof by means of the end members 30, while the section 28 consists of similar slats 31 secured together by the end members 32. The two sections are combined to form the aforementioned platform by the slidable inter-fitting of the slats 29 and 31, as is best shown in Figure 3.

The platform section 27 is secured to one of the end supports 11 and to the intermediate supports 12, while the section 28 is secured to the remaining end support. It will be noted that in this manner, the overall length of the platform may be readily adjusted, concurrently with the adjustment of the aforementioned tie-rods 20.

It is believed that the advantages and use of the invention will be clearly understood from the

foregoing disclosure and accordingly, further description thereof at this point is considered unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction, combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

What I claim as my invention is:

1. An adjustable scaffold comprising a pair of end supports and an intermediate support disposed in spaced parallel relation to each other, each of said supports comprising a length of tube angulated to form a cross member and a pair of sockets arranged in an inverted U-shaped configuration, a leg slidably received in the lower end of each of said sockets, means for releasably locking said legs in predetermined relative position with respect to said sockets, pairs of longitudinally extending telescoped tie-rods, one rod in each pair being fixed to one of said end supports, the remaining rod in each pair being fixed to the remaining of said end supports and to said intermediate supports, a pair of complemental sections forming a longitudinally adjustable platform, each of said sections comprising a plurality of slats secured together in spaced parallel relation, the slats of said sections being slidably interfitted together, transverse substantially rectangular strips carried by the undersides of said sections adjacent their outer ends, the inner edges of said strips bearing against the cross members of said end supports, and a pair of transverse, spaced parallel strips carried by the undersides of said sections adjacent their inner ends forming stops for engaging the cross member of said intermediate support.

2. An adjustable scaffold comprising a pair of end supports and an intermediate support disposed in spaced parallel relation to each other, each of said supports comprising a length of tube angulated to form a cross member and a pair of sockets arranged in an inverted U-shaped configuration, a leg slidably received in the lower end of each of said sockets, means for releasably locking said legs in predetermined relative position with respect to said sockets, pairs of longitudinally extending, telescoped tie-rods, one rod of each pair being welded to the other surface of one of

said end supports, the remaining rod in each pair being welded to the outer surface of the remaining of said end supports and to the intermediate support, said tie-rods being disposed perpendicular to said supports to connect and retain the supports spaced parallel to each other, and a platform supported on said end supports and said intermediate support.

3. An adjustable scaffold comprising a pair of end supports and an intermediate support disposed in spaced parallel relation to each other, each of said supports comprising a length of tube angulated to form a cross member and a pair of sockets arranged in an inverted U-shaped configuration, a leg slidably received in the lower end of each of said sockets, means for releasably locking said legs in predetermined relative position with respect to said sockets, pairs of longitudinally extending, telescoped tie-rods, one rod of each pair being welded to the other surface of one of said end supports, the remaining rod in each pair being welded to the outer surface of the remaining of said end supports and to the intermediate support, said tie-rods being disposed perpendicular to said supports to connect and retain the supports spaced parallel to each other, said means for releasably locking said legs in a predetermined relative position with respect to said sockets including a pair of locking pins for each of said sockets, each of said sockets having a pair of diametrically opposed openings receiving said pins, each of said legs having a diametrically opposed group of longitudinally spaced apertures for selectively receiving said pins.

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