May 24, 1927.

1,629,718

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SCAFFOLD BRACKET

Filed Aug. 16, 1926

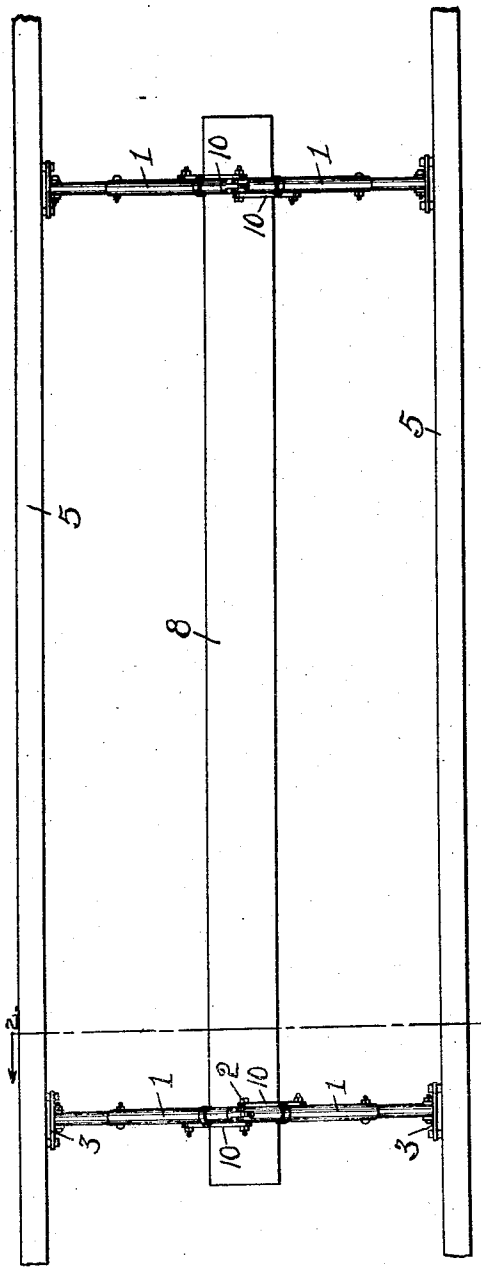


Fig. 1.

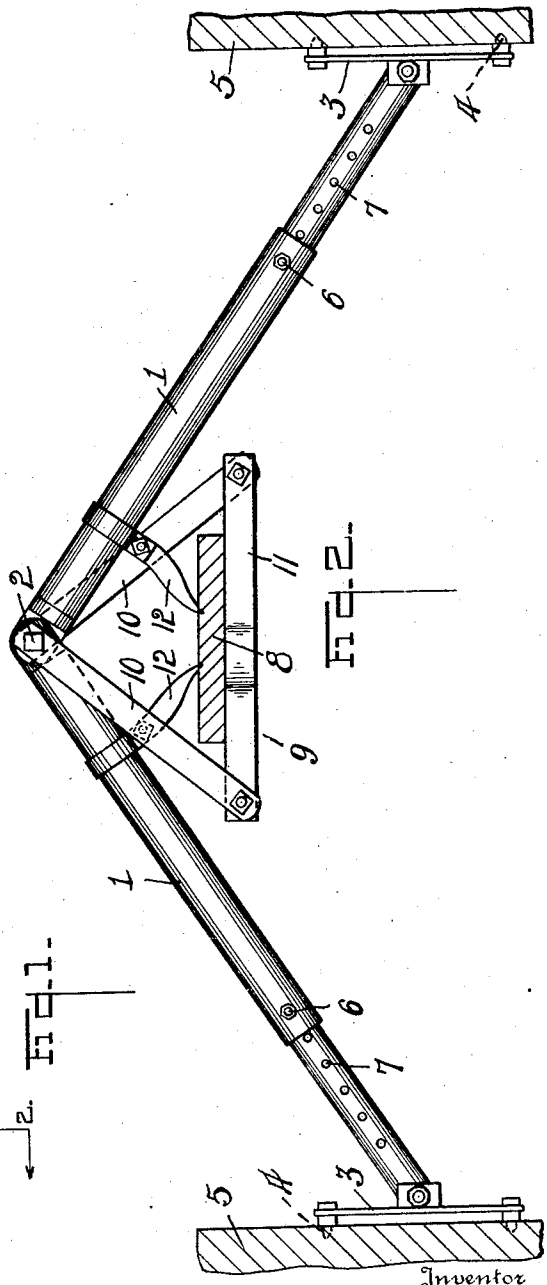


Fig. 2.

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Patented May 24, 1927. 1,629,718

UNITED STATES PATENT OFFICE.

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SCAFFOLD BRACKET.

Application filed August 16, 1926. Serial No. 129,348.

This invention relates to scaffolds, and particularly to a bracket for supporting scaffold platform members and intended for use between adjacent building walls.

The object of the invention is the provision of a simple, strong and durable scaffold bracket that is capable of use in narrow spaces between adjacent building walls, and which is adapted to have its gripping or clinging engagement with the walls increased by the application of weight to its platform supporting part. Furthermore, the bracket is adjustable within limits to suit the width of the space in which disposed.

The invention is fully described in the following specification, and while in its broader aspect it is capable of embodiment in numerous forms, a preferred embodiment thereof is illustrated in the accompanying drawings, in which,—

Figure 1 is a top plan view of two brackets embodying the invention in usable position between adjacent walls and connected by a platform member, and Fig. 2 is an enlarged section on the line 2—2 in Fig. 1.

Referring to the drawings, 1, 1 designate two arms or link members pivotally connected together at their inner ends by a bolt or other suitable connection 2 and each having its outer end pivoted to a foot plate 3 that is provided with spurs 4 on its outer side to adapt it to have gripping or clinging engagement with a wall 5 against which it bears. Each arm 1 is adjustable in length so that the bracket arms may be lengthened or shortened to suit the width of the space between two walls 5, 5 between which disposed and, in the present instance, is shown as comprising telescoping sections which are secured together by a bolt or pin 6 projecting through an aperture in one member and any one of a series of longitudinally spaced apertures 7 in the companion member.

The bracket arms 1 act in the manner of a toggle and are of a combined length greater than the width of the space in which the bracket is to be disposed, so that when the bracket is applied in inverted V-form any downward pressure applied to the connected ends of the bracket arms will have a tendency to straighten out the arms and apply a greater gripping coaction of the feet members 3 with the respective wall surfaces.

The scaffold platform 8, which in the present instance is shown as comprising a plank, is supported at each end by a frame or cradle 9, which is suspended from the adjacent bracket arms 1 at or adjacent to the pivotal point of connection thereof. In the present instance, each cradle 9, as it may be called for convenience, comprises three bars or links connected together in triangular form with two of the links 10, 10 pivotally connected at their upper ends to the bolt or pivot member 2 of the bracket arms at opposite sides of the arms and connected at their lower ends to respective opposite ends of a bottom cross-bar 11 on which latter the platform member 8 is intended to rest. In order to prevent the swinging of the cradles 9 and platform 8 relative to the bracket arms 1, which might occur due to the pivotal suspension of the cradle from the center pin of the bracket arms, each arm has a pawl 12 connected thereto for engagement with the platform in such manner that the two pawls cooperate to prevent any swinging of the platform, as clearly shown in the drawing.

It is apparent that we have provided a simple and efficient scaffold bracket for use in the space between the adjacent walls of buildings, which bracket is adjustable within limits, to suit the width of the space in which disposed and is adapted to have its gripping action with the supporting walls increased by the application of weight to the bracket.

We wish it understood that the invention is not limited to any specific construction, arrangement or form of the parts, as it is capable of numerous modifications and changes without departing from the spirit of the claims.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is:

1. A scaffold bracket having pivotally connected toggle arms adapted to bear at their outer ends against opposing supports, the pivotal connection of the arms being above their support engaging ends, and platform supporting means carried by the arms and tending by its weight to bring the arms in alignment.

2. A scaffold bracket having pivotally connected bracket arms disposed in inverted V-form when in use and having their outer ends in outward thrust engagement with the respective surfaces of opposed supporting members, and a scaffold supporting means

pivotally suspended from the inner ends of the arms for pivotal movements concentric to the pivotal connection of the arms and tending by its weight to bring the arms in alignment.

3. A scaffold bracket having pivotally connected bracket arms disposed in inverted V-form when in use and having their outer ends in outward thrust engagement with the respective surfaces of opposed supporting members, and a scaffold supporting means suspended from the inner ends of the arms for pivotal movements concentric to the pivotal connection of the arms, and means for preventing swinging movements of the scaffold supporting means relative to the arms.

4. A scaffold bracket having pivotally connected arms disposed in inverted V-form when in use and adapted to have their outer ends in outward thrust engagement with the respective surfaces of opposed supports, a scaffold supporting cradle pivotally suspended from the pivotal connection of the toggle arms, and means carried by the arms and adapted to coact with a supported scaffold to prevent swinging movements of the cradle and supported scaffold relative to the arms.

5. A scaffold bracket having pivotally connected longitudinally adjustable arms disposed in inverted V-form when in use and adapted to have their outer ends in outward thrust engagement with respective surfaces of opposite supports, and a scaffold supporting cradle suspended from the inner ends of the arms and comprising a pair of links disposed in outward and downward diverging relation, and a scaffold supporting cross link connected at its ends to the lower ends of the diverging links.

In testimony whereof we have hereunto signed our names to this specification.

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