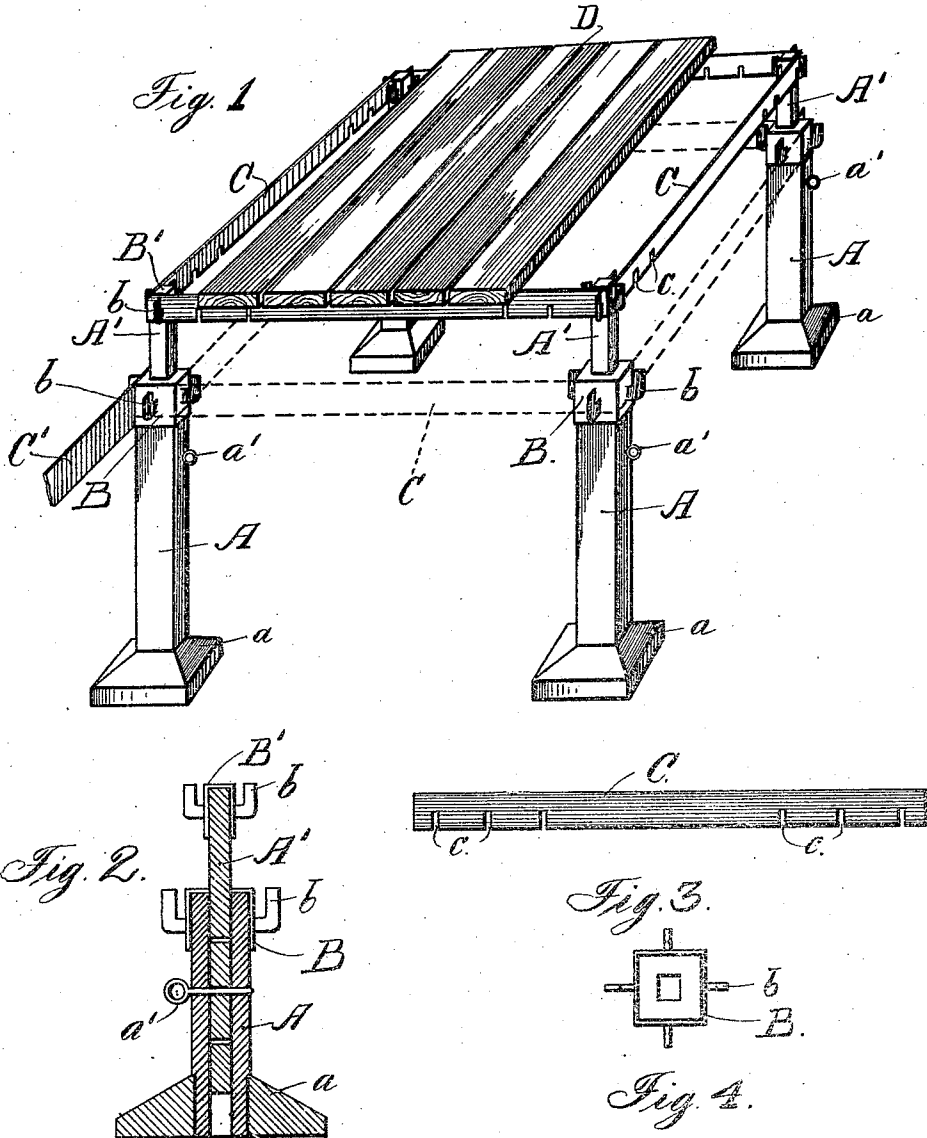


B. MÜLLER.
ADJUSTABLE SCAFFOLD.
APPLICATION FILED AUG. 3, 1908.

944,373.

Patented Dec. 28, 1909.

2 SHEETS—SHEET 1.



WITNESSES
F. Balzer
Ernst Laube

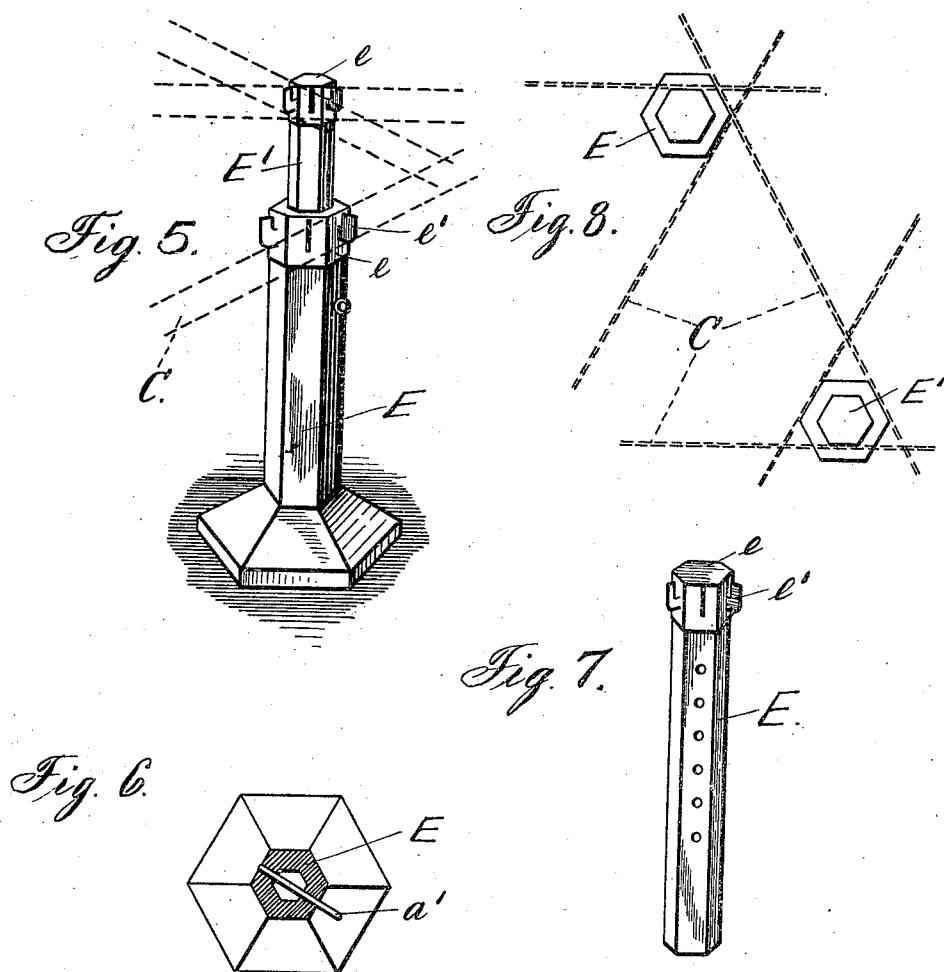
INVENTOR
Bela Müller
BY Robt. Klöf
Atty.

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WITNESSES
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Ernst Daulke

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UNITED STATES PATENT OFFICE.

BELA MÜLLER, OF CHICAGO, ILLINOIS.

ADJUSTABLE SCAFFOLD.

944,373.

Specification of Letters Patent. Patented Dec. 28, 1909.

Application filed August 3, 1908. Serial No. 446,575.

To all whom it may concern:

Be it known that I, BELA MÜLLER, a subject of the King of Hungary, and residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Adjustable Scaffolds, of which the following is a complete specification.

This invention relates to improvements in adjustable scaffolds and more particularly to a scaffold of that class employed by laborers to support themselves at the proper heights to perform their labor.

Heretofore in plastering, paper hanging, decorating, etc., scaffolds or stagings erected on saw horses or similar supports which are not adjustable as to height have oftentimes been employed and as a consequence horses of different heights have been required.

The object of this invention is to provide a scaffold capable of being both adjusted vertically and horizontally so that it may be varied as to height above its supporting surface, and also varied within certain limits as to its length and breadth.

It is also an object of the invention to provide a scaffold capable of being erected and taken down, or adjusted to various heights and sizes with a minimum amount of labor and which is of such cheap and simple construction as to reduce its cost to a minimum.

The invention consists of the matters hereinafter described in the specification and more fully pointed out and described in the appended claims.

In the drawings: Figure 1 is a perspective view of a device embodying my invention. Fig. 2 is a vertical section of one of the posts or pillars. Fig. 3 is a side elevation of one of the platform rails. Fig. 4 is a bottom view of one of the post caps. Fig. 5 is a side elevation of a modified form of the extensible posts. Fig. 6 is a transverse section of the same. Fig. 7 is a side elevation of the top extension of the post. Fig. 8 is a diagrammatic, plan view illustrating the method of using the post shown in Fig. 1.

As shown in said drawings, referring first to Figs. 1 to 4 inclusive, A—A indicate lower post sections, of wood or other preferred material and which may be of any desired cross sectional configuration, but which, as herein shown, are square. At the foot of each post section is a base *a* of sufficient dimensions to hold the sections in an upright position and which may be secured

thereon in any preferred manner, but which, as shown, is provided with a central aperture in which the bottom of the section is engaged. Said sections A, as shown, are hollow or tubular and adjustably engaged therein are the upper post sections A' which may also be of any preferred material and of any preferred length, and which as shown are supported in the lower sections by means of supporting pins *a'* passing through registering apertures in said sections. The sections A' are provided with a plurality of apertures for said pins so that they may be supported at varying heights.

The lower and upper post sections are each provided with a cap indicated respectively by B and B' and which, as shown, comprise inverted cup shaped castings or the like adapted to fit over the upper ends of said sections and are provided on their sides with upturned hooks *b*. Each of said lower caps is provided in its top with a central aperture through which the upper post section extends. Platform rails C are supported on said hooks, both at the ends and sides of the scaffold, and as shown each comprises a bar of rigid material, and is provided in its lower edge with a plurality of notches *c* adapted, when the rails are placed on said hooks, to engage over the shanks of the hooks, as shown more clearly in Fig. 1. On said rails are supported the planks D or other material forming the floor of the scaffold. Said rails may be supported on the upper post caps, as shown in full lines in Fig. 1, or if a lower scaffold is desired they may be supported on the lower post caps, as shown in dotted lines in said figure. Also if desired, when the upper sections are extended a sufficient distance both upper and lower caps may support a scaffold, platform, or the lower rails may be employed simply to brace the posts laterally. If it is desired to make a longer scaffold additional scaffold sections may be provided by providing additional posts which may be connected with the first scaffold sections by rails C'.

In the construction shown in Figs. 5 to 8 inclusive the post sections E—E' are similar to the sections before described with the exception that they are hexagonal in cross section and their caps *e* are each provided with six hooks *e'* so that the platform rails may be placed to form scaffolds of various shapes, as shown in Fig. 8. This feature is

of especial importance for work in rooms having irregular corners in which a rectangular scaffold would not fit to advantage.

The operation is as follows: The posts are
5 adjusted to the proper heights by raising or lowering the upper post sections, and the platform rails are supported on the hooks *b* and the planks *D* laid thereon. The area of the platform may be varied by placing the
10 rails so that the hooks *b* will enter notches at the desired distance from the ends of the rails. The scaffold thus formed provides a very rigid structure especially when both upper and lower rails are employed, and
15 obviously it is adapted to be quickly set up or taken down. Obviously also many details of construction may be varied without departing from the principles of my invention.

20 I claim as my invention:

1. In a device of the class described the combination with a plurality of sectional posts each hexagonal in cross section, of a cap on each section, a plurality of hooks
25 on each cap, each hook corresponding with one side of the post, notched rails adapted to be engaged on said hooks, and a platform on said rails.

2. In a device of the class described the

combination with a plurality of posts comprising telescoping sections, and the adjacent sides of each section being in planes intersecting at an angle greater than a right angle, a removable cap seated on the top of each section, hooks on said caps corresponding to the sides of the section, notched
35 bars connecting the hooks on adjacent posts, and a platform supported on said bars.

3. The combination with a plurality of sectional posts, each comprising telescoping
40 sections, a removable cap on each lower section and having a central aperture there-through through which the upper section extends, a plurality of outwardly directed hooks on each cap, a plurality of hooks on
45 the upper end of each upper section, each arranged in vertical alinement with one of the hooks on the cap, notched bars adapted to be engaged on said hooks and a platform on said bars.

In testimony whereof I have hereunto
50 subscribed my name in the presence of two witnesses.

BELA MÜLLER.

Witnesses:

F. BALZER,
ROBT. KLOTZ.