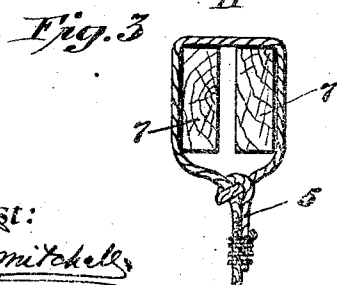
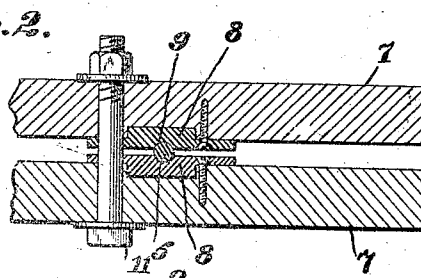
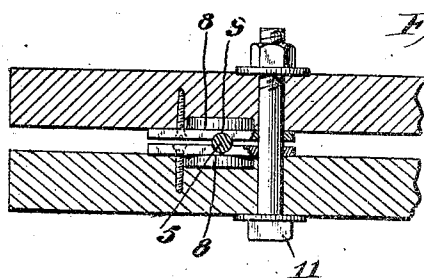
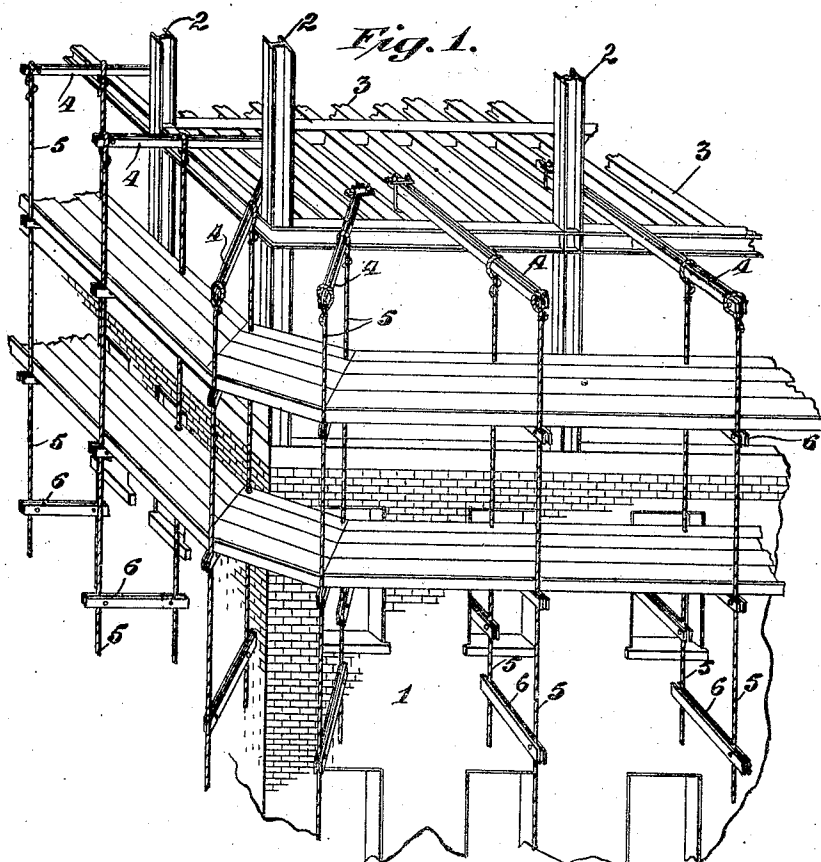


No. 842,382.

PATENTED JAN. 29, 1907.

C. J. CLARK.  
MASON'S PLATFORM FOR BUILDINGS.  
APPLICATION FILED JUNE 2, 1905.



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his Attys

# UNITED STATES PATENT OFFICE.

CHARLES J. CLARK, OF NEW YORK, N. Y.

## MASON'S PLATFORM FOR BUILDINGS.

No. 842,382.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed June 2, 1905. Serial No. 268,388.

*To all whom it may concern:*

Be it known that I, CHARLES J. CLARK, a citizen of the United States, and a resident and inhabitant of the borough of Manhattan, in the city, county, and State of New York, have invented certain new and useful Improvements in Masons' Platforms for Buildings, of which the following is a full and true description, reference being had to the accompanying drawings, which show a construction embodying my invention.

My invention relates to masons' platforms, and is an improvement on the construction shown and described in Letters Patent No. 673,384, granted to me for improvements in masons' platforms for buildings.

The improvements consist in the use of flexible vertical supporting members, in the use of improved gripping devices for engaging said flexible members, and in the new arrangement of parts, as will be hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of a building in the process of construction, showing my improved platforms attached thereto. Fig. 2 is a longitudinal sectional view of one of the horizontal supporting members and shows the clamping devices carried thereby. The middle part of the member is shown broken away. Fig. 3 shows an enlarged end view of one of the outriggers with one of the vertical supporting members attached. Fig. 4 is a detail view showing one of the plates used to reinforce the horizontal supporting members where they engage the vertical supports.

Similar reference-numerals designate the same parts throughout the several views.

1 designates a building in the process of erection, comprising vertical beams 2 and floor-beams 3. Attached to the floor-beams 3 are outriggers 4, which may be in any convenient number, and to which are attached vertical flexible supporting members 5. These members are flexible and may be rope, iron bars, wire, and wire rope. In some cases I may use chains, and I do not desire to be limited to the use of any particular flexible support. Two of the members 5 are attached to each of the outriggers, and each pair of vertical supports carries horizontal supports 6. I have shown three horizontal supports attached to each pair of the flexible supports. However, it is understood that this number may be varied. In many cases two will be sufficient, and in other cases three or more may be used.

12 12 designate the platforms carried by the horizontal supports. These platforms are made of ordinary plank laid loosely together or of small sections which can readily be transferred from one set of supports to another as the work progresses. I have shown the horizontal supports made in two parts 7 7, which are identical in structure. The parts 7 near their ends and on their inner sides are provided with reinforcing face-plates 8, having grooves 9 on their inner faces, which coöperate when engaging the vertical supports.

11 designates bolts for use in drawing the parts together and causing them to frictionally engage or to clamp the flexible supports 5. I preferably employ two of these bolts for each horizontal support and locate them on the inner side of the plates 8, so that the flexible members 8 may be readily removed from between the ends of the members 7. With the arrangement shown by slightly loosening the bolts 11 the horizontal supporting members may be adjusted, and by further loosening these bolts the horizontal supports may be entirely removed.

The directions for using my improved platforms are as follows: When the framing of the building has reached such a height that it is desirable to begin the facing-work, &c., the outriggers are secured in position as shown, and the flexible supports are then secured to the outriggers. Assuming that two platforms are to be used at a time, two rows of horizontal supports will be clamped in place and the platforms placed on them. The workmen will preferably use the lower platform to stand on and the upper one for protection against material falling from above. When the work adjacent the lower platform is completed, the workmen go to the upper platform, and the lower platform is passed up to them piece at a time. The flexible supports render this last operation extremely simple. The pieces forming the lower platform may be carried through the adjacent windows or may be passed up by workmen remaining on the lower platform or may be drawn up by the workmen on the upper platform, who may pull up the lower platform by means of the flexible supports. The lower platform is then placed over the one occupied by the workmen. This may be repeated as often as desired until the work is completed.

I have shown my platforms attached to

the exterior of a building. However, it is obvious that in some cases it may be used for interior work, and I do not desire to limit myself to the use of the device in any particular location nor to the use of it for masons only, since it is obvious that it may be used by other workmen to great advantage.

While I have illustrated and described one form of my invention, I am aware that it may assume different forms, and I wish to include in my invention all such changes in form and detail as are obvious to one skilled in the art.

What I claim is—

1. In a device of the kind described, flexible supports, a series of horizontal supports carried thereby, each comprising two members, bolts adapted to clamp the flexible supports between the said two members, said

bolts being spaced on the two members between the flexible supports, substantially as described.

2. In a device of the kind described, flexible supports, a series of horizontal supports carried thereby, each comprising two members having reinforced portions at their ends adapted to engage the flexible supports, bolts adapted to clamp the flexible supports between the reinforced portions at the ends of the horizontal members, said bolts being located between the flexible supports, substantially as described.

In witness whereof I have hereunto signed my name this 29th day of May, 1905.

CHARLES J. CLARK.

In presence of—

WALTER S. JONES,  
WILLIAM H. DAVIS.