

Dec. 30, 1941.

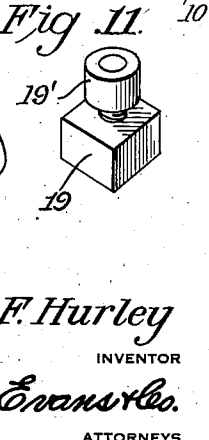
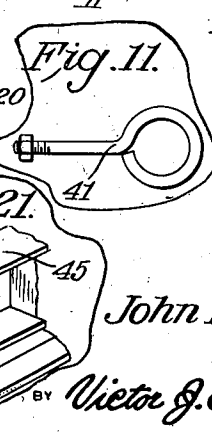
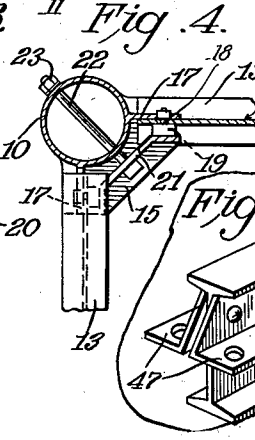
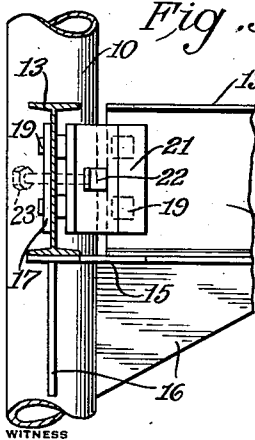
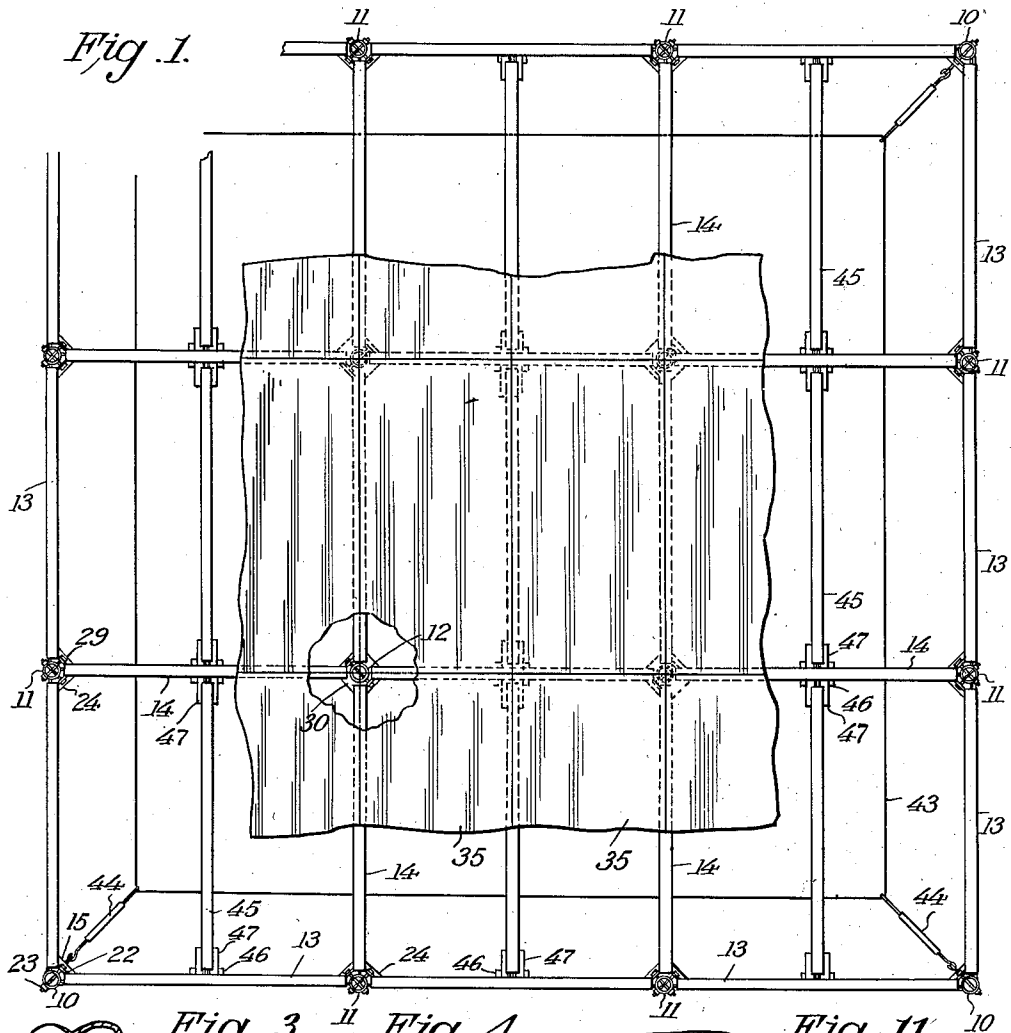
J. F. HURLEY

2,267,865

PORTABLE PLATFORM

Filed July 29, 1940

2 Sheets-Sheet 1



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INVENTOR

BY Victor J. Evans & Co.
ATTORNEYS

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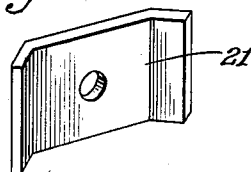
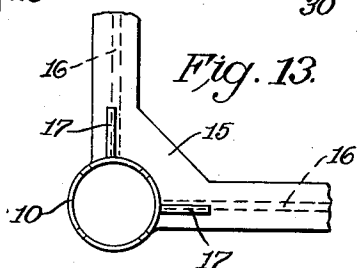
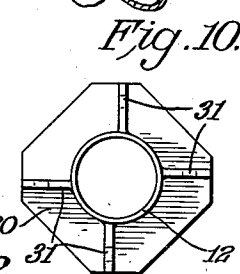
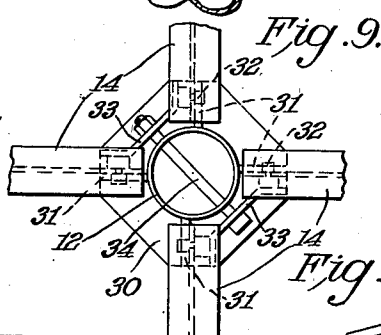
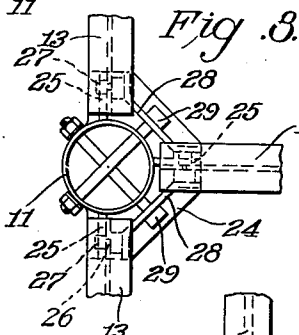
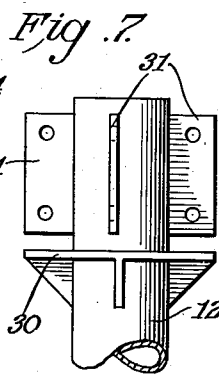
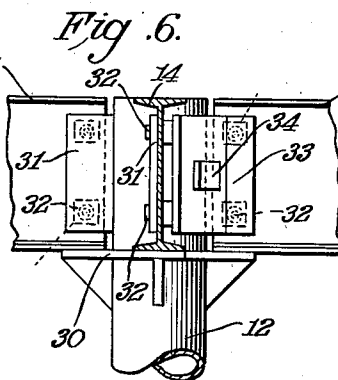
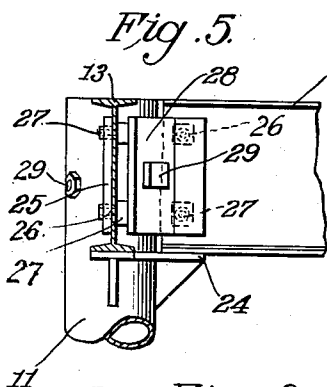
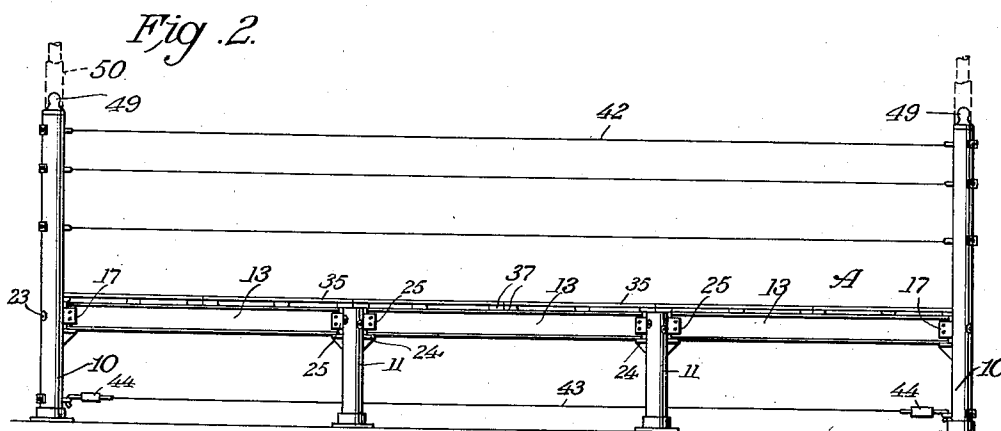
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PORTABLE PLATFORM

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2 Sheets-Sheet 2



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WITNESS

UNITED STATES PATENT OFFICE

2,267,865

PORTABLE PLATFORM

John F. Hurley, Pittsburgh, Pa.

Application July 29, 1940, Serial No. 348,193

4 Claims. (Cl. 189—36)

The invention relates to a portable platform and more especially to a portable knockdown platform designed for use as a boxing ring or for other purposes.

The object of my invention is to provide means whereby a floor beam may be readily attached or detached from an upright and rigidly held against vertical or lateral movement.

Another object of my invention is to provide a coupling for this purpose in which floor beams of different widths may be readily attached or detached; and, at the same time, provide a simple, cheap and effective coupling having certain details of structure and combination of parts hereinafter fully set forth.

In the accompanying drawings:

Figure 1 is a fragmentary top plan view of a platform constructed in accordance with the invention and portions broken away for illustrating details of assembly of the parts of such platform.

Figure 2 is a side elevation of the platform.

Figure 3 is a fragmentary vertical sectional view showing a corner post assembly for the platform.

Figure 4 is a horizontal sectional view thereof.

Figure 5 is a view similar to Figure 3 showing an intermediate upright or post employed in the platform.

Figure 6 is a view similar to Figure 5 showing a mid upright or post.

Figure 7 is a side view of the post per se of the construction shown in Figure 6.

Figure 8 is a top plan view of that structure shown in Figure 5.

Figure 9 is a top plan view of that structure shown in Figure 6.

Figure 10 is a top plan view of the post shown in Figure 7.

Figure 11 is a detail perspective view of one of the fastening keys used in the assembly of the platform.

Figure 12 is a perspective view of a keeper member correlated with the key shown in Figure 11.

Figure 13 is a fragmentary bottom plan view of a corner post joint of the platform as exemplified in Figures 3 and 4.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, A designates generally an erected portable knockdown platform constructed in accordance with the invention. The platform can be of any required size and shape and in this instance is of substantially square contour involving tubular corner

posts 10, outside intermediate tubular posts 11 and mid tubular posts 12, respectively, to which are separably joined short length outside and intermediate cross I beams 13 and 14, respectively.

Each corner post has built thereon a horizontal rest shelf or ledge 15 braced by underlying bracketing wings 16, these extending radially from the said post 10. The shelf and wings are welded or otherwise permanently joined with the said posts.

Above the shelf 15 and outwardly projecting from the post 10 are attaching ears 17, these being at substantially right angles to each other and each has perforations or holes 18 therein spaced apart with respect to each other for accommodating

separable caps 19 of keys 19 which are inserted in suitable clearances or holes in the web of the beam and companion to the said perforations or holes 18 as formed within the web 20 of each I beam 13 adapted to be brought to rest upon the

shelf 15 for having side face contact with the ear 17 next thereto upon the post 10. To maintain the keys 19 engaged as before stated, there is correlated therewith a keeper plate 21 detachably bolted at 22 directly to the post 10, the bolt

22 being of the nut-carrying type and is disposed transversely through the said post and made secure therein by the nut 23 of such bolt. This keeper 21 avoids the possibility of the working out of the beams when engaged in the manner

heretofore set forth. In this manner the post and the beams 13 are separately united together.

Each intermediate post 11 has built thereon a shelf 24, which extends about the post 11 for approximately half of the circumference thereof

and upon this shelf are seated the beams 13 and 14, respectively. The post 11 at three points thereof above the shelf 24 has projected radially therefrom the ears 25 provided with holes or openings 26 for the keys 27 identical to the keys 19

and these are accommodated in holes or openings companions to the openings 26 which are formed in the beams 13 and 14 in the webs 20 thereof. Overlying the keys 27 at the heads thereof are

keeper plates 28 fastened by the nut-carrying bolts 29 which are passed through the post 11 and in this manner the keys 27 are prevented from working free resulting in the disconnecting of the said beams 13 and 14 from the posts. The ears 25 are above the shelf 24 similar to the location of the ears 17.

Each mid post 12 is formed with a shelf 30 which extends entirely about the same and adapted to rest thereon are the I beams 14. Above the shelf are the ears 31 accommodating the keys 32 similar to the keys 19 and 27, re-

spectively, while correlated to the said keys 32 are the keeper plates 33 fastened by a bolt 34, there being required but two keeper plates 33 arranged diametrically opposite each other and a single bolt joining the same for the fastening of the four keys 32 required to secure the beams 14 to the ears 31 in that four beams have jointure with the said post 12. There is a jointure of three beams with the post 11 and a jointure of two beams with the post 10. In this manner a network of beam assembly is created for supporting the flooring in the erection of the platform, the flooring including a grouped series of sections 35. Each section is of rectangular shape arranged edgewise at the ends and sides thereof throughout the group. Each section 35 includes a tread plate 36 either of wood or sheet metal overlying longitudinal and transverse reinforcement strips 37, 38 and 39, respectively, which are united and prearranged with respect to each other in any suitable manner preferably with the tread plate 36 superimposed upon such reinforcement.

The corner posts 10 are of hollow construction and may be employed for supporting a lighting fixture of the overhead type. Referring more particularly to Figure 2 of the drawings, it will be observed that the posts 10 are fitted with a cap 49 that is removably attached thereto. If one or all of the posts 10 are to be employed for supporting a lighting fixture, the caps 49 are removed and the shaft of the fixture, generally designated by the numeral 50, is slidably mounted within said posts. As is to be understood, any type of overhead fixture may be employed.

What is claimed is:

1. The combination with a column, rest ledges formed on said column, beams resting upon said ledges and horizontally disposed, ears carried by the column and contacting with the beams, keys

removably coupling the beams to said ears, and a keeper plate fastened to the column and engaging the keys for holding the same in position and bracing the beams.

2. The combination with a column, rest ledges formed on said column, beams resting upon said ledges and horizontally disposed, ears carried by the column and contacting with the beams, transverse keys removably passing through the beams and the ears, and diagonal keeper plates engaging the inner ends of the keys, and a bolt passing diagonally through the column and the diagonal keeper plate for holding the same against the keys and bracing the beams.

3. The combination with a column, rest ledges formed on said column, beams resting upon said ledges and horizontally disposed, ears carried by the column and contacting with the beams, keys removably passing through the beams and the ears, a diagonal keeper plate having its ends turned at an angle engaging the keys, and a bolt passing through the diagonal keeper plate and the column for holding the keys in position and bracing the beams.

4. The combination with a column, rest ledges formed on said column, beams resting upon said ledges and horizontally disposed, ears projecting outwardly from the column at right angles to each other and contacting with said beams, keys removably coupling the beams to said ears, a diagonal keeper plate having angular turned ends engaging the inner ends of the keys, and a bolt passing transversely through the diagonal keeper plate and through the column for tightly clamping the diagonal keeper plate against the keys for holding the same in position and bracing the beams.

JOHN F. HURLEY.