

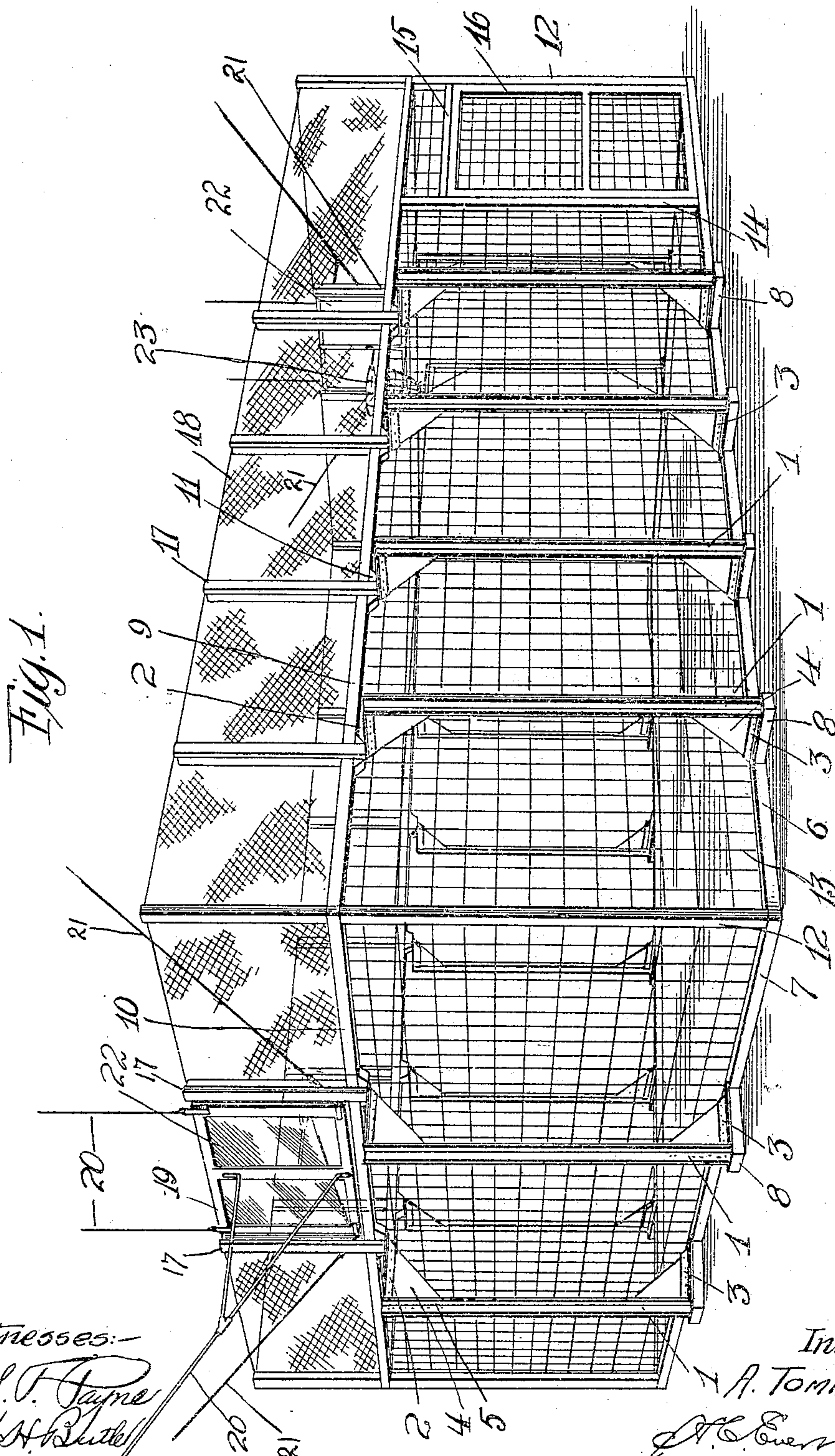
959,973.

A. TOMKINS.
CAGE FOR GAMES.

APPLICATION FILED JAN. 12, 1910.

Patented May 31, 1910.

2 SHEETS—SHEET 1.



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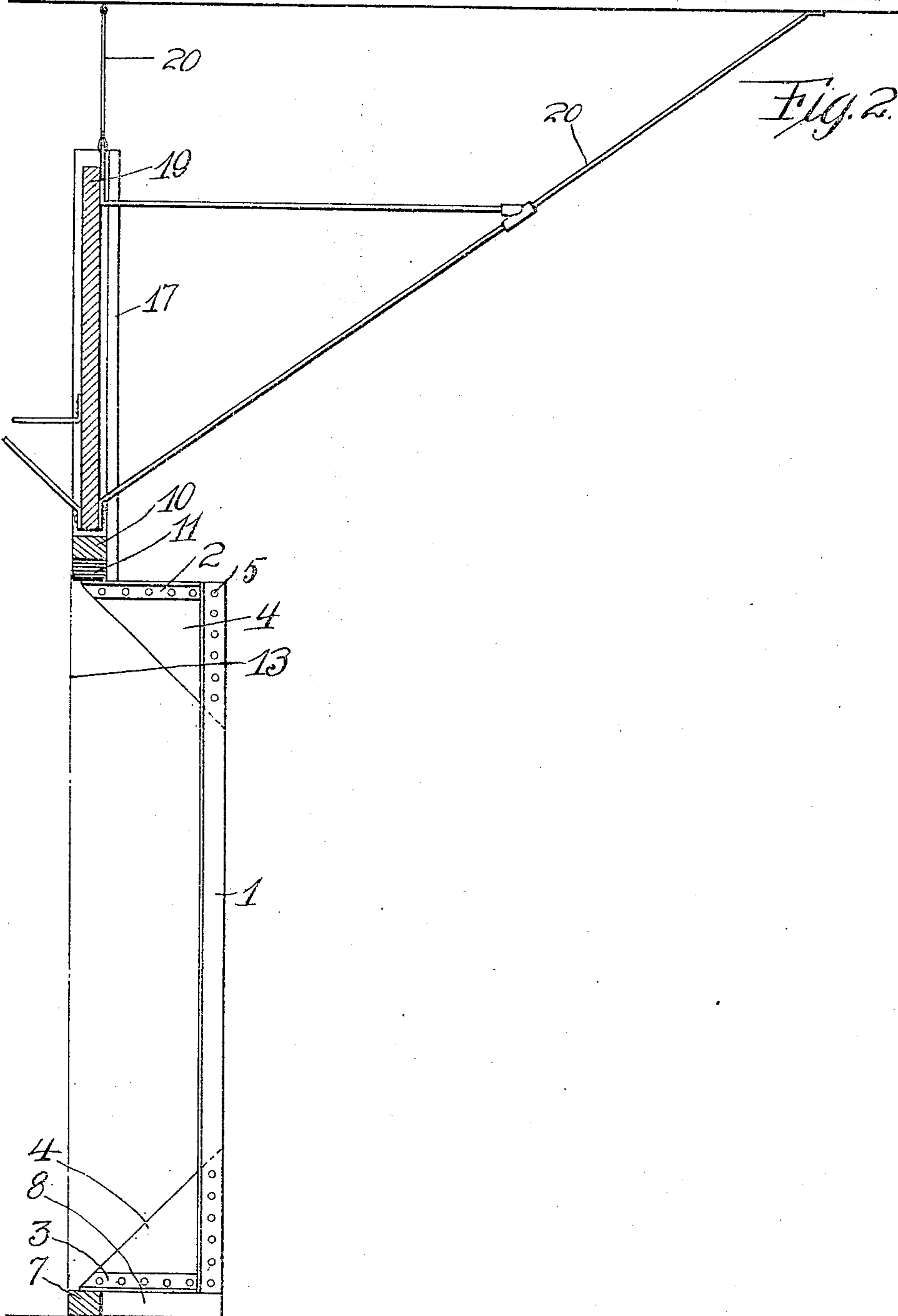
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UNITED STATES PATENT OFFICE.

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CAGE FOR GAMES.

959,973.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed January 12, 1910. Serial No. 537,628.

To all whom it may concern:

Be it known that I, ALFRED TOMKINS, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Cages for Games, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to cages for game sports, and more particularly to a structure for restricting the area of floor or ground, roofed or unroofed, upon which the game of basketball, indoor baseball or similar
15 games are played, the cage being particularly designed for gymnasiums for confining the play of the game and preventing the same from being interrupted by spectators or gymnastic structures.

20 The primary object of my invention is to provide a portable or knock-down cage embodying positive and reliable means for preventing players within the cage from falling against, being pushed against, thrown
25 against or otherwise contacting with the supporting frames of the cage.

Another object of this invention is to provide a structure for supporting a screen or netting whereby the screen or netting
30 will cushion and retard the movement of a player contacting with the same, without scarring or injuring the player.

I attain the above objects by a cage structure embodying a plurality of wall supporting units adapted to be connected by
35 top and bottom rails which are arranged to support the screen or netting at a point remote to the wall units. These units, their construction and arrangement, and certain
40 appurtenances that are necessary to provide a practical and durable structure, will be hereinafter specifically described and then claimed.

Reference will now be had to the drawings
45 forming a part of this specification, wherein there is illustrated a preferred embodiment of the invention, but it is to be understood that the structural elements thereof can be varied or changed without departing from
50 the spirit and scope of the invention.

In the drawings:—Figure 1 is a perspective view of a cage constructed in accordance with this invention, Fig. 2 is an enlarged vertical sectional view of the same.

55 My improved cage comprises a plurality of metallic wall units, these units being ar-

ranged and connected to provide a rectangular structure having yieldable walls. Each wall unit comprises vertical angle bars 1, horizontal angle bars 2 and 3, and triangular
60 plates or bracket pieces 4 connecting and bracing the horizontal bars 2 and 3 relative to the vertical bars 1. The bars and plates are preferably connected by rivets 5 or other
65 fastening means, with the plates or bracket pieces 4 preferably arranged between the sets of angle bars 2 and 3 and the vertical angle bars 1. These wall units are used in
70 connection with a rectangular bottom frame and a rectangular top frame. The bottom frame is formed by side rails 6 and end rails 7, said rails having right angular outwardly
75 extending foundation blocks 8 upon which the wall units are mounted. The top frame comprises side rails 9 and end rails 10, these rails being provided with bearing blocks 11
80 suitably secured or mounted upon the horizontal bars 2. The rails of the upper and lower frames at the corners of the cage are connected by vertical posts 12, and said rails
85 are furthermore connected by a wire screen or netting 13, which also connects the posts 12. The cage at one corner thereof is provided with an additional post 14 and this
90 post is connected by a bar 15 to the corner post 12 to provide a doorway for a suitable door 16, this door and doorway permitting of players entering and leaving the cage. The
95 rails 9 and 10 of the upper frame are provided with suitable uprights 17 supporting a screen or netting 18, which forms a superimposed cage for preventing a ball or playing
100 piece from being accidentally thrown over the walls of the main cage. At the ends of the superimposed cage, window frames 19 are substituted for the screen or netting 18,
105 said window frames being suitably braced from the ceiling, as at 20 and from the walls, as at 21, and said window frame, which is provided with extra heavy transparent glass
110 panes 22 serves functionally as a banking or bounding board adapted to assist a player in placing a ball or playing piece in a basket or pocket 23 arranged at the end of the cage upon the inner side thereof. This basket or
pocket is ordinarily used in the game of basketball and can be connected to the end rails 10 or to the bottom rail of the banking or bounding board.

I attach considerable importance to the wall units in maintaining the yieldable walls of the cage at a point remote to said units,

whereby a player contacting with the walls will not be injured as though contacting with hard and permanent walls. It is a well known fact that numerous players, particularly participants of a basketball game, have been seriously injured by falling or being thrown against permanent and non-yieldable structures, and it is in view of this fact that I have devised my improved cage.

Having now described my invention what I claim as new, is:—

1. A cage of the type described comprising a plurality of wall units, each unit comprising vertical bars and inwardly-extending upper and lower horizontal bars, an upper frame connecting the upper horizontal bars, a lower frame connecting the lower horizontal bars, and a netting connecting said frames inwardly of the vertical bars.

2. A cage of the type described comprising a plurality of wall units, each unit comprising vertical bars and inwardly-extending upper and lower horizontal bars, an upper frame connecting the upper horizontal bars, a lower frame connecting the lower horizontal bars, a netting connecting said frames inwardly of the vertical bars, and bracing members secured to the horizontal and vertical bars.

3. A cage of the type described comprising a plurality of wall units, each unit comprising vertical bars and inwardly-extending upper and lower horizontal bars, an upper frame connecting the upper horizontal bars, a lower frame connecting the lower horizontal bars, a netting connecting said frames inwardly of the vertical bars, vertically-disposed uprights mounted upon the upper frame, and a screen secured to said uprights and forming in connection therewith a superimposed cage.

4. A cage of the type described comprising a plurality of wall units, each unit comprising vertical bars and inwardly-extending upper and lower horizontal bars, an upper frame connecting the upper horizontal bars, a lower frame connecting the lower horizontal bars, a netting connecting said frames inwardly of the vertical bars, bracing members secured to the horizontal and vertical bars, vertically-disposed uprights mounted upon the upper frame, and a screen secured to said uprights and forming in connection therewith a superimposed cage.

5. A cage of the type described comprising a plurality of wall units, each unit comprising vertical bars and inwardly-extending upper and lower horizontal bars, an upper frame connecting the upper horizontal bars, a netting connecting said frames inwardly of the vertical bars, right-angularly disposed and outwardly-extending foundation blocks

projecting from the lower frame and supporting the lower horizontal bars, and bearings carried by the upper frame and engaging the upper horizontal bars.

6. A cage of the type described comprising a plurality of wall units, each unit comprising vertical bars and inwardly-extending upper and lower horizontal bars, an upper frame connecting the upper horizontal bars, a lower frame connecting the lower horizontal bars, a netting connecting said frames inwardly of the vertical bars, bracing members secured to the horizontal and vertical bars, right-angularly-disposed and outwardly-extending foundation blocks projecting from the lower frame and supporting the lower horizontal bars, and bearings carried by the upper frame and engaging the upper horizontal bars.

7. A cage of the type described comprising a plurality of wall units, each unit comprising vertical bars and inwardly-extending upper and lower horizontal bars, an upper frame connecting the upper horizontal bars, a lower frame connecting the lower horizontal bars, a netting connecting said frames inwardly of the vertical bars, vertically-disposed uprights mounted upon the upper frame, a screen secured to said uprights and forming in connection therewith a superimposed cage, right-angularly disposed and outwardly-extending foundation blocks projecting from the lower frame and supporting the lower horizontal bars, and bearings carried by the upper frame and engaging the upper horizontal bars.

8. A cage of the type described comprising a plurality of wall units, each unit comprising vertical bars and inwardly-extending upper and lower horizontal bars, an upper frame connecting the upper horizontal bars, a lower frame connecting the lower horizontal bars, a netting connecting said frames inwardly of the vertical bars, bracing members secured to the horizontal and vertical bars, vertically-disposed uprights mounted upon the upper frame, a screen secured to said uprights and forming in connection therewith a superimposed cage, right-angularly-disposed and outwardly-extending foundation blocks projecting from the lower frame and supporting the lower horizontal bars, and bearings carried by the upper frame and engaging the upper horizontal bars.

In testimony whereof I affix my signature in the presence of two witnesses.

ALFRED TOMKINS.

Witnesses:

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JOHN M. IRWIN.