April 2, 1929. G. J. HANLON 1,707,854

PLAYGROUND APPARATUS

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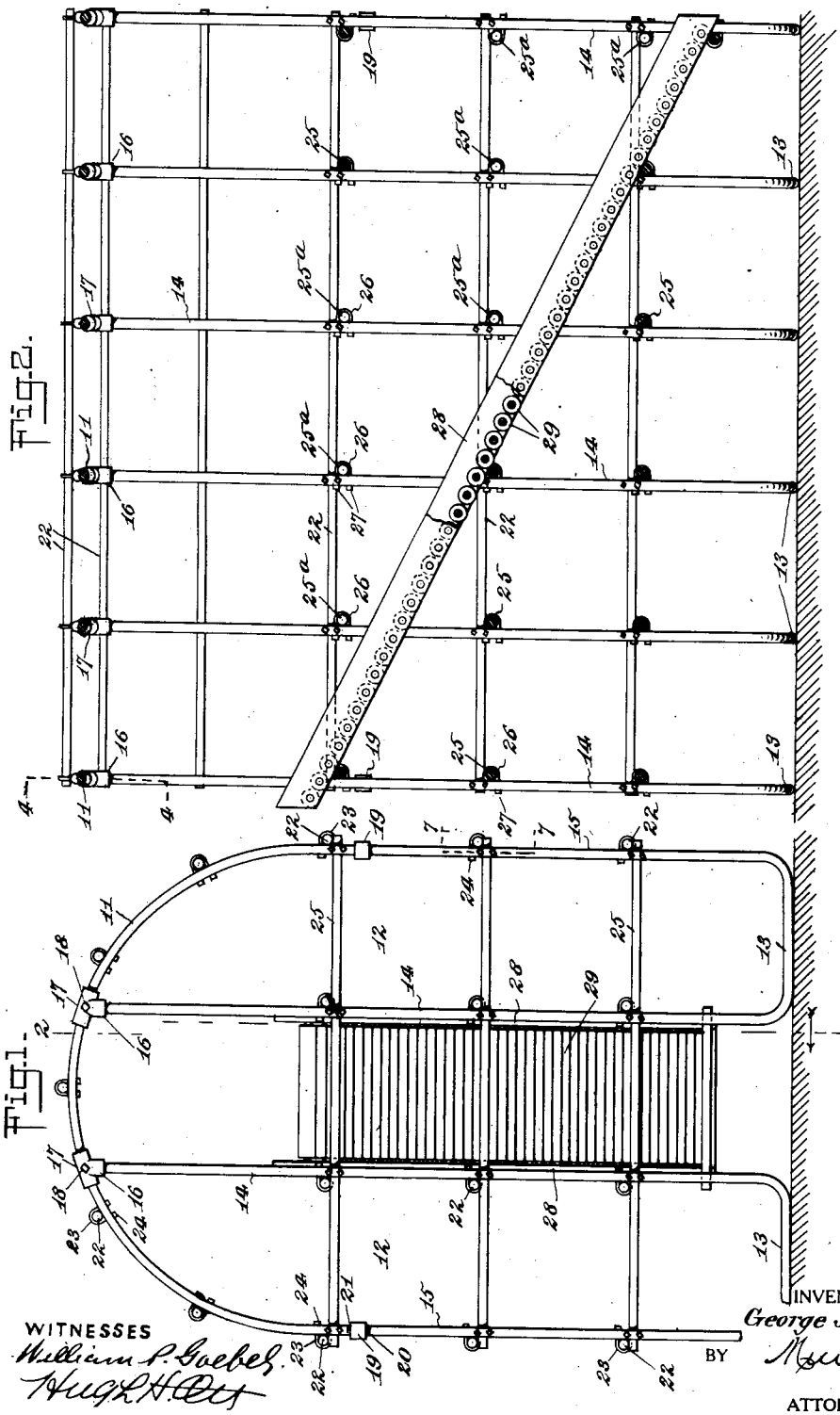


Fig. 2.

Fig. 1.

WITNESSES
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Fig. 3.

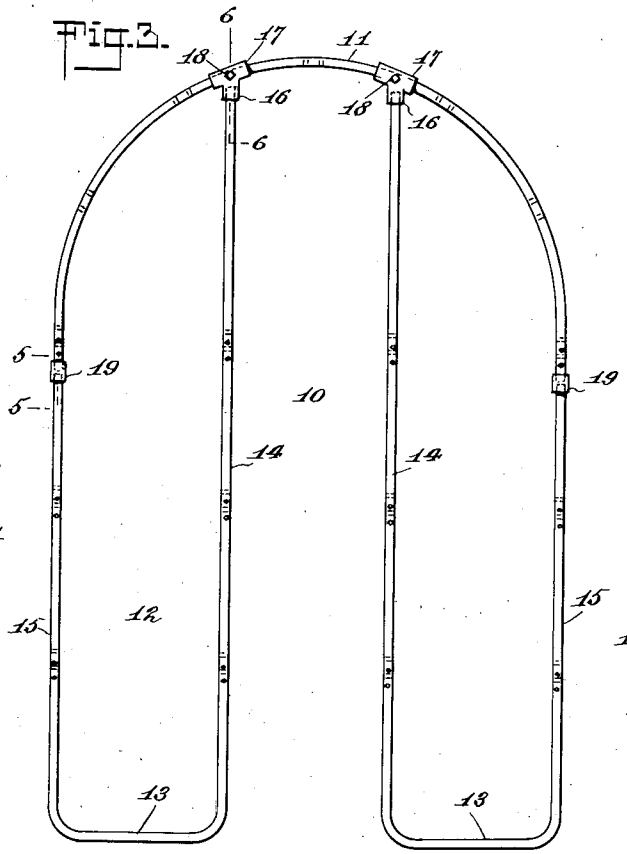


Fig. 5.

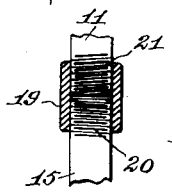


Fig. 6

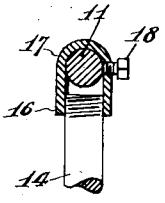


Fig. 4.

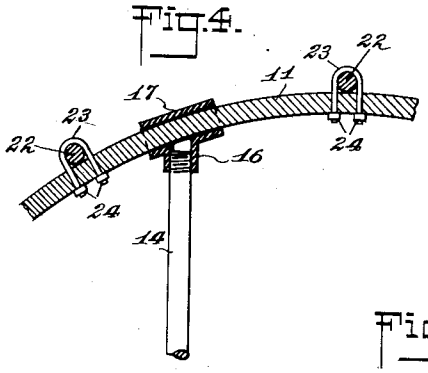


Fig. 8.

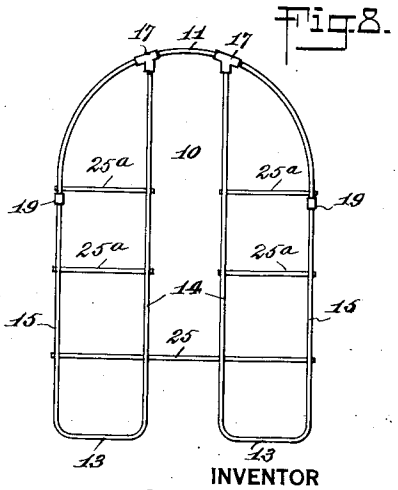
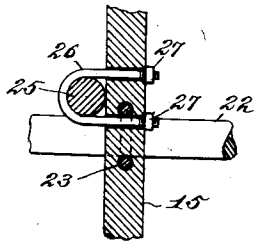


Fig. 7.



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Patented Apr. 2, 1929. 1,707,854

UNITED STATES PATENT OFFICE.

GEORGE JOSEPH HANLON, OF NEW YORK, N. Y.

PLAYGROUND APPARATUS.

Application filed July 8, 1927. Serial No. 204,365.

This invention relates to apparatus particularly designed for use in playgrounds to afford means to permit children to obtain healthful exercise by climbing and sliding upon the apparatus.

One of the principal objects of the present invention is to provide a playground apparatus which affords a considerable amount of climbing space and which is so constructed as to render the same safe.

As a further object the invention comprehends a playground apparatus which includes a plurality of longitudinally spaced and connected, transversely arranged units presenting horizontal climbing rungs extending both transversely and longitudinally of said apparatus.

The invention furthermore comprehends in connection with an apparatus as previously set forth, a sliding member supported by said units and disposed at a longitudinal inclination and to which access may be gained at various levels by virtue of the several units and their connections.

The invention furthermore comprehends a playground apparatus composed of units and connections therebetween which may be transported in a knockdown condition and readily erected or set up at the point of use.

The invention furthermore comprehends a playground apparatus which is extremely simple in its construction, inexpensive to manufacture, and which is highly efficient for the purpose for which it is intended.

With the above recited and other objects in view, reference is had to the following description and accompanying drawings in which there is exhibited one example or embodiment of the invention, while the appended claims define the actual scope of the invention.

In the drawings—

Figure 1 is a rear end view of the apparatus;

Fig. 2 is a longitudinal sectional view thereof taken approximately on the line 2—2 of Fig. 1;

Fig. 3 is a face view of one of the units with the connecting elements or climbing rungs removed;

Fig. 4 is an enlarged detail sectional view taken approximately on the line indicated at 4—4 in Fig. 2;

Fig. 5 is an enlarged sectional view taken approximately on the line indicated at 5—5 in Fig. 3;

Fig. 6 is an enlarged sectional view taken approximately on the line 6—6 of Fig. 3;

Fig. 7 is an enlarged sectional view taken approximately on the line 7—7 of Fig. 1;

Fig. 8 is a face view of one of the intermediate units on a reduced scale.

Referring to the drawings by characters of reference, 10 designates generally a unit of which there are a plurality transversely arranged and in longitudinally spaced relation. Each unit consists of an arcuate crown bar 11 of substantially semi-circular formation. The crown bars are preferably of circular configuration in cross section and may be either solid or of hollow pipe construction. Each unit further includes a pair of substantially U-shaped supporting members 12, each of which comprises a lower bight portion 13 and inner and outer upstanding legs 14 and 15, the former inner legs being of greater height than the latter outer legs. The upper end of the inner leg is threadedly engaged in the depending stem 16 of a substantially T-shaped hollow coupling 17, through which the crown bar 11 extends. A set screw 18 is threaded through the coupling and engages the crown bar for locking the coupling in the proper position on the crown bar. The upper end of the outer leg 15 is connected to the terminal of the crown bar by a tubular union 19, which is interiorly threaded to coact with the oppositely threaded ends 20 and 21 of the leg 15 and the crown bar terminal. The units 10 when thus assembled are arranged in longitudinally spaced relation and connected and maintained in said relation by longitudinal rods 22 spaced equidistantly and vertically with respect to the inner and outer legs and around the outer periphery of the crown bar. The rods 22 are secured in place by U-bolts 23 having nuts 24. The longitudinal rods 22 in addition to connecting and bracing the structure, also serve as climbing rungs. In addition to the longitudinal rods, the structure is further braced transversely by transverse rods 25, which are likewise secured to the units by U-bolts 26 extending through apertures in the unit legs and fitted with nuts 27. A sliding member is supported by said units and disposed at a longitudinal inclination and said sliding member consists of laterally spaced side strips 28, in the lower portion of which a plurality of rollers 29 are journaled in close proximity to each other. The rods 22 and 25 in addition to presenting horizontal climbing rungs, serve as a means

for gaining access to the sliding member at various elevations. Certain of the transverse rods, designated by the reference character 25a, are made in short length sections which are spaced transversely to afford a clearance for the heads of the children using the slide and providing a free passageway parallel to the slide through the apparatus.

From the foregoing it will thus be seen that an apparatus for use in playgrounds has been devised, which affords a considerable amount of climbing space to satisfy the propensity of children to climb and which apparatus in addition is equipped with a sliding device having a sliding surface which offers a slight resistance and friction.

What is claimed is:

1. A playground apparatus, including a plurality of longitudinally spaced transversely arranged units, longitudinal and transverse horizontal connecting elements presenting climbing rungs extending transversely and longitudinally of said apparatus, and a sliding member supported by said units and disposed at a longitudinal inclination.

2. A playground apparatus, including a plurality of longitudinally spaced transversely arranged units, longitudinal and transverse horizontal connecting elements presenting climbing rungs extending transversely and longitudially of said apparatus, and a sliding member supported by said units and disposed at a longitudinal inclination and to which access may be had at various elevations by virtue of the climbing rungs.

3. A playground apparatus, including a plurality of longitudinally spaced transversely arranged units, and longitudinal and transverse horizontal connecting elements presenting climbing rungs extending transversely and longitudinally of said apparatus, said units each consisting of an arcuate crown bar and a pair of substantially U-shaped supporting members, each of which comprises a lower bight portion and inner and outer legs, the former being of greater height than the latter and connected to the crown bar adjacent its central higher point and the latter outer legs connected to the terminals of the crown bar.

4. A playground apparatus, including a plurality of longitudinally spaced transversely arranged units consisting of an arcuate crown bar and a pair of substantially U-shaped supporting members, each of which comprises a lower bight portion and inner and outer legs, the former being of greater height than the latter and connected to the crown bar at its central higher point and the latter connected to the terminals of the crown bar, transverse horizontally arranged vertically spaced elements connected to the legs of said units and horizontally disposed longitudinal elements connected to the inner and outer legs and to the crown bar in equidistantly spaced relation.

5. A playground apparatus, including a plurality of longitudinally spaced transversely arranged units consisting of an arcuate crown bar and a pair of substantially U-shaped supporting members, each of which comprises a lower bight portion and inner and outer legs, the former being of greater height than the latter and connected to the crown bar at its central higher point and the latter connected to the terminals of the crown bar, transverse horizontally arranged vertically spaced elements connected to the legs of said units and horizontally disposed longitudinal elements connected to the inner and outer legs and to the crown bar in equidistantly spaced relation, the said transverse and longitudinal elements constituting climbing rungs.

6. A playground apparatus, including a plurality of longitudinally spaced transversely arranged units consisting of an arcuate crown bar and a pair of substantially U-shaped supporting members, each of which comprises a lower bight portion and inner and outer legs, the former being of greater height than the latter and connected to the crown bar at its central higher point and the latter connected to the terminals of the crown bar, transverse horizontally arranged vertically spaced elements connected to the legs of said units and horizontally disposed longitudinal elements connected to the inner and outer legs and to the crown bar in equidistantly spaced relation, the said transverse and longitudinal elements constituting climbing rungs, and a sliding member supported by the transverse elements of said units extending between the inner legs of the U-shaped supporting member and disposed at a longitudinal inclination with respect to the apparatus.

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