E. L. SENSEMAN AND A. P. ZIEGLER.

PLAYGROUND APPARATUS.

APPLICATION FILED NOV. 7, 1919.

1,344,725.

Patented June 29, 1920.

2 SHEETS—SHEET 1.

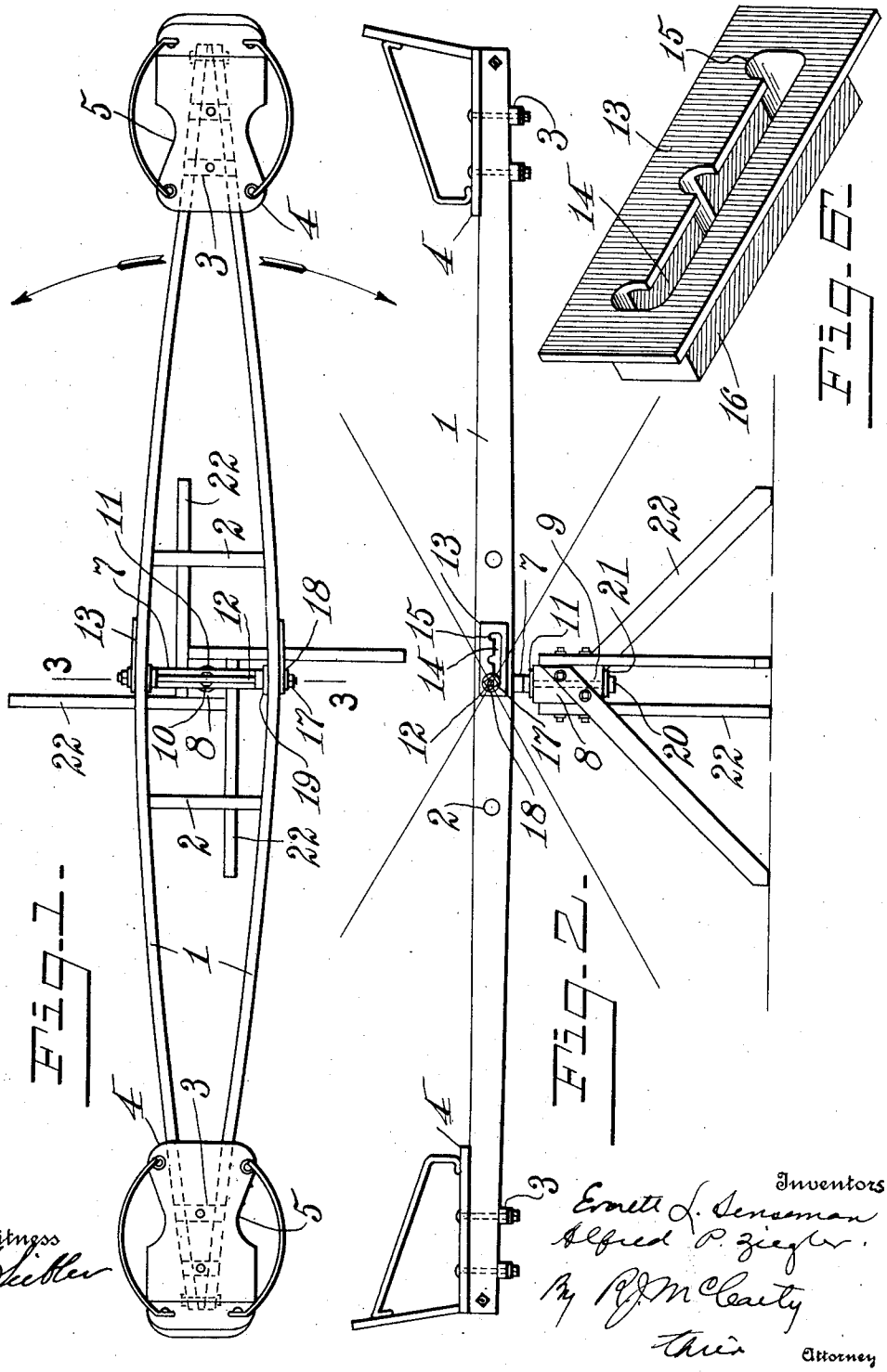


FIG. 1.

FIG. 2.

FIG. 3.

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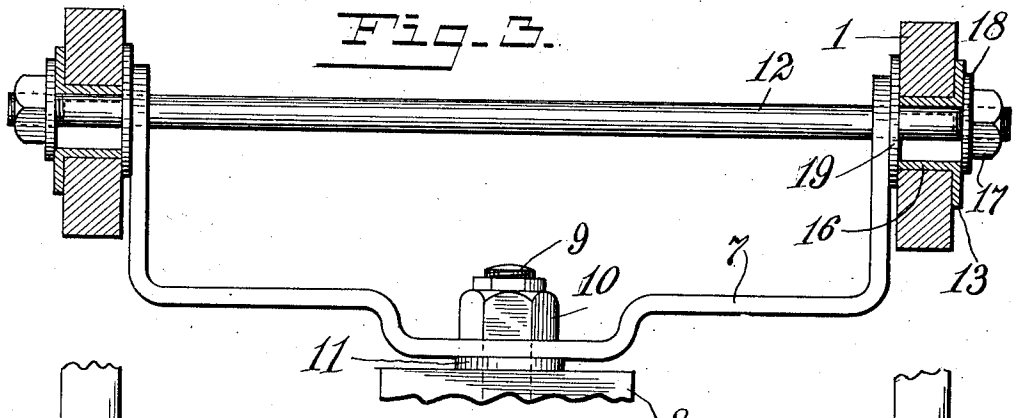
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2 SHEETS—SHEET 2.

Fig. 3.



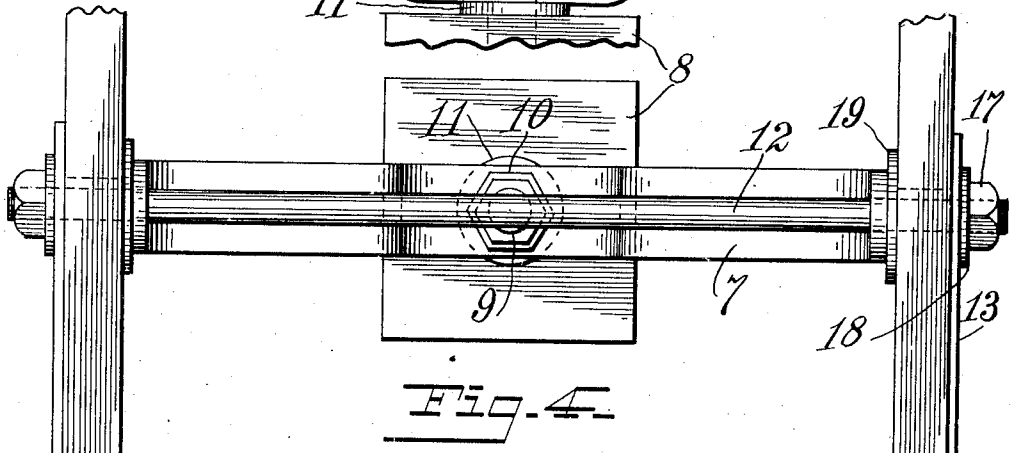


Fig. 4.

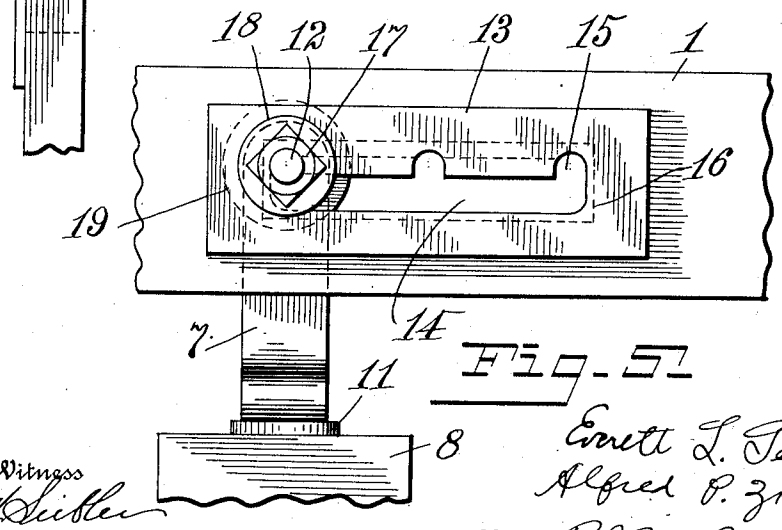


Fig. 5.

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UNITED STATES PATENT OFFICE.

EVERETT L. SENSEMAN AND ALFRED P. ZIEGLER, OF SHILO SPRINGS, OHIO, ASSIGNORS TO EVERETT L. SENSEMAN, OF DAYTON, OHIO.

PLAYGROUND APPARATUS.

1,344,725. Specification of Letters Patent. Patented June 29, 1920.

Application filed November 7, 1919. Serial No. 336.338.

To all whom it may concern:

Be it known that we, EVERETT L. SENSEMAN and ALFRED P. ZIEGLER, citizens of the United States, residing at Shilo Springs, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Playgrounds Apparatus, of which the following is a specification.

Our invention relates to a new and useful apparatus for play-grounds and comprises a combined seesaw and merry-go-round having the structural characteristics hereinafter described and claimed.

The object of the invention is to provide an amusement apparatus with an adjustable fulcrum upon which it tilts, and which also revolves at the same time, and which is comparatively inexpensive and has a maximum capacity for pleasure and safety.

In the accompanying drawings which illustrate the invention Figure 1 is a top plan view of the combined seesaw and merry-go-round. Fig. 2 is a side elevation thereof. Fig. 3 is an enlarged section on the line 3—3 of Fig. 1. Fig. 4 is an enlarged top plan of the central part of the apparatus. Fig. 5 is a detail elevation of one of the changeable fulcrum plates, and Fig. 6 is a detail perspective view of one of the fulcrum plates removed from one of the side bars constituting the frame.

In a more particular description of the invention similar reference characters indicate corresponding parts in the several views of the drawings.

The tilting and revolving frame of the apparatus is constructed of light but strong material, such as oak wood, and consists of side bars —1— which are united by cross pieces —2— at the center, and the ends of which are brought together and united by cleats —3—. Seats —4— are secured on the ends of the frame thus constructed by means of bolts which pass through the cleats —3—. The seats —4— have backs to lean against and portions are cut out of the sides of the seats as at —5— for the child's legs to pass through. Thus the seats are made secure and safe for the children using the pleasure apparatus. The combined seesaw or tilting and revolving frame thus constructed is supported on a fulcrum frame consisting of a cross frame —7— which extends down and at the center is provided with an opening for a king bolt to be again referred to, as shown in Fig. 3. The said frame is pivotally supported at its center upon a head —8— by means of the king bolt —9— which is secured by a nut —10— and washer —11—. The rod —12— constitutes the fulcrum upon which the seesaw frame —1— tilts, and the king bolt —9— is the pivot upon which it revolves. The fulcrum rod —12— may vary in its position from the ends of the frame as shown in Fig. 1 to a point on one side of the center in the event greater weight is on one side thereof. That is to say, the fulcrum point may be adjusted to remove it farther from one end of the frame than the other. This change in the location of the fulcrum of the tilting frame is enabled by means of the fulcrum plates —13— of which there is one on each side of the frame approximately at the center. The side frame members —1— are provided with openings in which said fulcrum plates are mounted. The said fulcrum plates have elongated openings —14— with pockets —15— in the upper edges thereof in which the fulcrum rod —12— is confined. The openings in the side frame members —1— receive the off-set portions —16— of the fulcrum plates and when said fulcrum plates are in such positions they form the bearings for the frame. The said fulcrum plates —13— may be secured by screws or otherwise. In the present case the nuts —17— which screw onto the ends of the fulcrum rod —12— and tighten against the fulcrum plates have been found sufficient to maintain the fulcrum plates in position. On the inside of each nut a washer —18— is placed that covers the particular pocket —15— that the rod —12— may be in. On the inside of the frame members —1— and between them and ends of the cross frame —7—, washers —19— are placed and through which the ends of the fulcrum rod —12— project in entering the pockets —15— in the fulcrum plates. As shown in Fig. 2 the rod —12— occupies end pockets in said plates, which indicates that the tilting frame is balanced. The head block —8— supports the king bolt —9—, which as stated, forms the turning pivot of the frame. The said king bolt passes into a socket in the head and is prevented from rising by a head —20— on the end thereof and a washer —21—. Suitable means such as a nut —10— combines with the head —20— to

prevent the pivot —9— from becoming accidentally displaced when the apparatus is in use.

The cross lines, Fig. 2, indicate the movements on the fulcrum rod —12—, during which movements the frame with its occupants revolves upon the central pivot formed by the king bolt —9—.

Having described our invention, we claim:

In a play-ground apparatus, elongated side frame members having openings in the central parts thereof in alinement, fulcrum plates secured within said openings with longitudinal openings therein and a plurality of pockets extending from said openings, a fulcrum rod extending into said longitudinal openings and engaging said pockets, a cross frame member having its ends extended upwardly and through which ends the said fulcrum rod passes, a head block, and a king bolt pivotally uniting said cross frame members to said block, substantially as specified.

In testimony whereof we affix our signatures.

EVERETT L. SENSEMAN.
ALFRED P. ZIEGLER.