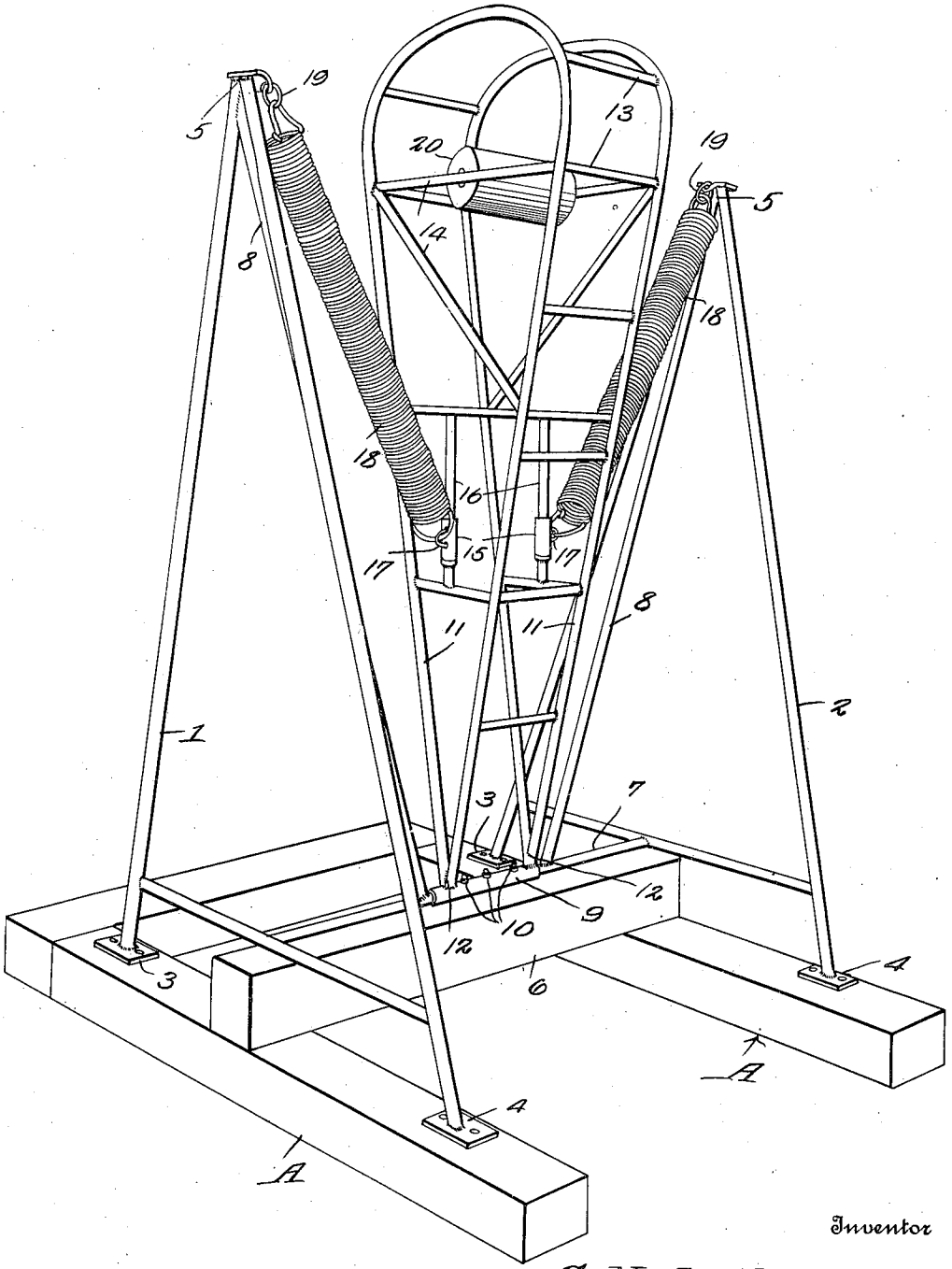
Aug. 30, 1949. C. N. ANDERSON 2,480,691

SWING

Filed Dec. 23, 1946



Inventor

C. N. Anderson

By C. A. Snow & Co.

Attorneys.

Patented Aug. 30, 1949

2,480,691

UNITED STATES PATENT OFFICE

2,480,691

SWING

Chester N. Anderson, Wichita Falls, Tex.

Application December 23, 1946, Serial No. 718,066

2 Claims. (Cl. 272—1)

1

This invention relates to a new and improved inverted playground swing of which the following is a specification.

The primary object of this invention resides in the provision of a new and novel swing adapted to be used in playgrounds and playyards for the amusement and healthful exercise of children.

Another object of this invention resides in the provision of a swing which is entirely new in construction and operation in view of those swings in use today.

Still another object of this invention resides in the provision of a swing of the nature described which is sturdy and durable with a minimum of moving and working parts likely to become worn or broken, and a swing which is of simple and inexpensive design.

Further improvements and advantages of this invention will readily appear to those skilled in the art when the following description is read in the light of the accompanying drawing.

The drawing is a perspective pictorial view of the assembled swing.

Referring now to the accompanying drawing which illustrates the preferred embodiment of this invention, A designates a U-shaped base for the swing comprising three eight inch by eight inch rough timbers of pine or the like adapted to be positioned end to end to form the U-shaped base for the swing which is positioned in a flat condition on the ground.

A pair of identical elongated triangular frames 1 and 2 of approximately one inch diameter pipe are secured by depending feet 3 and 4 to that upper surface of each of the side timbers of the base with their apex 5 vertically disposed thereabove.

A fourth timber 6 lies in an interconnecting position on the upper surfaces of the side timbers of the frame A with the opposite ends thereof directly beneath each of said apexes of the frames 1 and 2 and in such a manner so that the base side of each frame lies upon the upper surface thereof. A pipe extension 7 interconnects the base sides of each of said frames in alignment with and at a slight spaced clearance above the timber 6.

A pair of pipe extensions 8 interconnect each of said apexes 5 angularly with the extension 7 each at a spaced distance outward from the center thereof. These angular extensions form strengthening braces for the frames 1 and 2.

A tubular bearing is provided about the extension 7 at the center thereof between the base ends of the braces 8. The bearing 9 is provided with

2

a plurality of grease fittings 10 thereon to enable the complete lubrication of the swivel.

A pair of triangular frames 11 are secured with their lesser angle apexes 12 secured at a spaced distance apart to the tubular bearing 9 so that the triangular frames 11 extend vertically in parallel positions and in transverse alignment of the swing base, said frames having their upper ends at a spaced distance above said side frames 1 and 2. These frames 11 are interconnected by a plurality of spaced rungs 13 extending from the lower ends thereof upward to terminate at a position adjacent the upper ends.

Side braces 14 strengthen the frame between its own sides.

A pair of lubricated pipe swivels 15 are rotatably mounted on corresponding vertical braces 16 one on either of the frames 11 at a spaced distance between the base and the upper end thereof. These swivels 15 are provided with an outwardly disposed eye hook 17 adapted to be firmly secured to one end of a tempered steel coil spring 18.

The second end of said spring 18 is secured to a chain eye 19 carried at the upper inner side of the apex of each of said outside brace apexes 5.

A cylindrical drum 20 is mounted horizontally between the frames 11 at a spaced distance from the upper ends thereof providing a seat for the swing occupant.

Thus it may be seen that a child may climb upward the rungs 13 of the swing frame 11 to gain a seat on the drum 20. Then by exerting a swinging motion back and forth in alignment with the longitudinal axis of the swing base the swing frame 11 will pivot and rock on the transverse bearing 9 allowing the swing to move in one direction and then another to the extent of the limit allowed in each direction by the resiliency of the springs 18, the resiliency limit of which will increase with an increased swinging effort.

It may also be seen that the cross braces and rungs of the swing frame provide limited apparatus for further exercises such as chinning and the like.

Having thus described the construction and function of this invention and with full belief that modifications in size, shape and general characteristics would not constitute a departure from the spirit of this invention, what I desire to claim in Letters Patent is:

1. A swing of the character described comprising a substantially flat rectangular base, a pair of triangular upright braces, vertically supported in spaced parallel relationship transversely of said base member, a cylindrical extension intercon-

necting the triangular uprights at the bases thereof, a pair of angular braces interconnecting the upper ends of said triangular braces with points at spaced relationship on said cylindrical extension, a tubular bearing rotatably mounted on said cylindrical extension at the center thereof, a swing frame comprising a pair of interconnected identical triangular frames vertically supported and being connected with the tubular bearing, to pivot therewith on the longitudinal axis of said cylindrical extension, a pair of vertical pipe swivels mounted on the swing frame at points intermediate the ends of the swing frame, and coiled springs interconnecting said pipe swivels with the upper ends of the upright braces, said springs limiting pivotal movement of said swing frame about said cylindrical extension.

2. A swing of the character described comprising a flat base member adapted to be horizontally supported on a supporting surface, a pair of triangular upright braces vertically supported in spaced relation transversely of said base member, a bearing member interconnecting the triangular

uprights at the lower ends thereof, a pipe swivel rotatably mounted on said bearing member at the center thereof, an elongated swing frame vertically supported on said swivel between said uprights and paralleling them, and spring members connected with the upper ends of the triangular supports, said spring members extending downwardly and being connected with the elongated swing frame at points intermediate the ends thereof, regulating the movements of the swing, and said swing adapted to swing forwardly and rearwardly between said uprights.

CHESTER N. ANDERSON.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
135,738	Tuttle	Feb. 11, 1873
1,939,927	Shaffer	Dec. 19, 1933