Aug. 20, 1935. H. F. HUSTED 2,012,195

SLIDE

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Fig. 1.

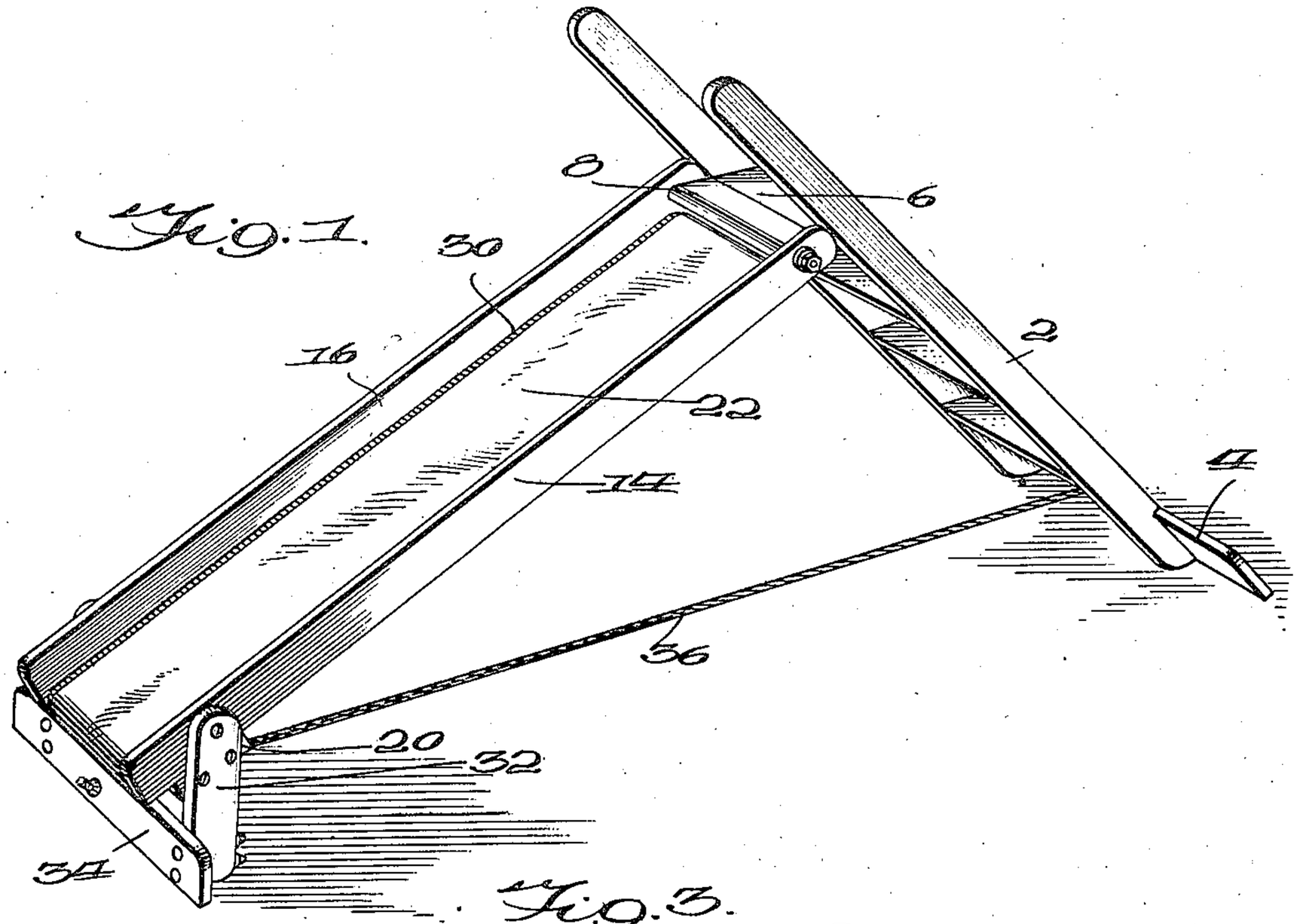

Fig. 3.

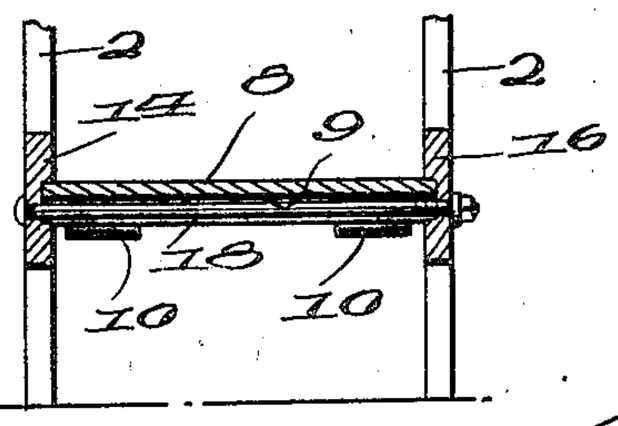

Fig. 2.

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Fig. 4.

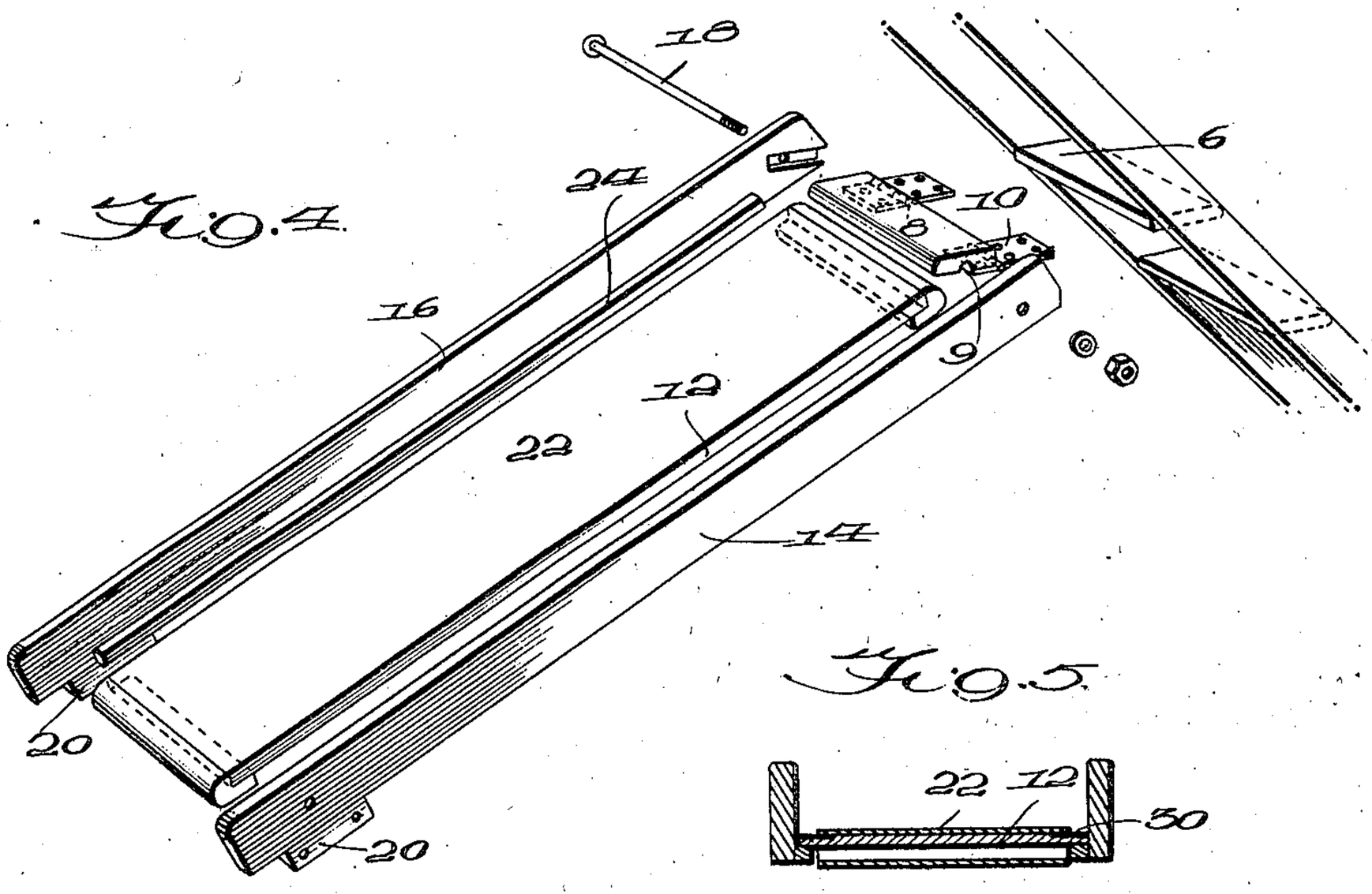


Fig. 5.

Fig. 6.

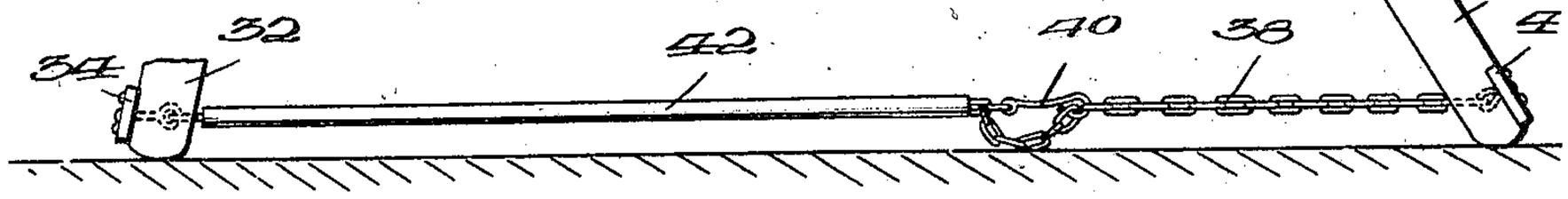


Fig. 7.

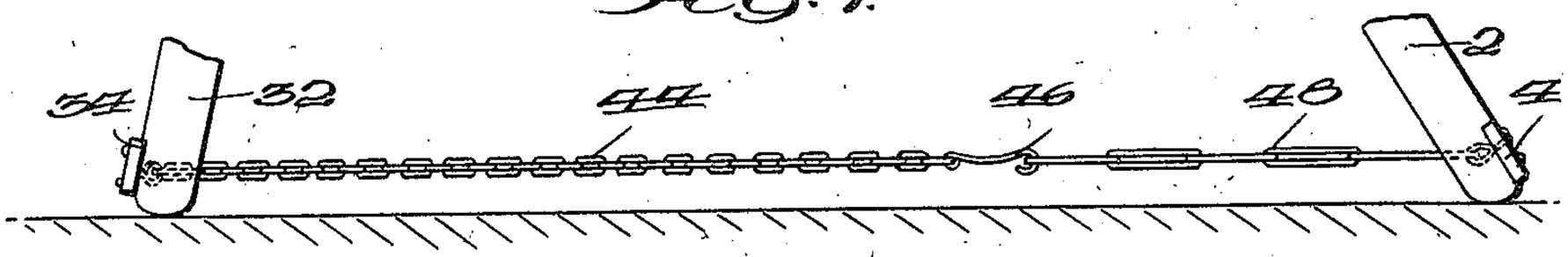
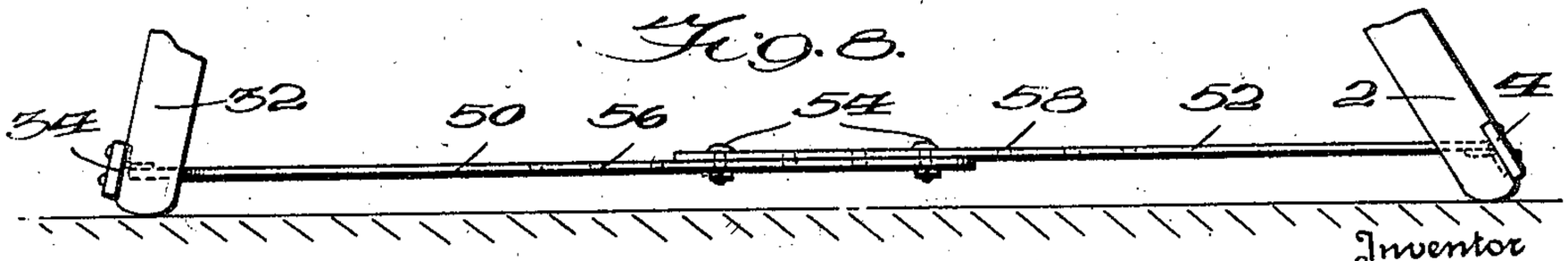


Fig. 8.



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2,012,195

SLIDE

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Application November 25, 1932, Serial No. 644,386

8 Claims. (Cl. 272—56.5)

This invention relates to an improvement in slides.

The object of my invention is to provide a slide for children to amuse themselves on, without running the risk of injuring either themselves or their clothes while using the slide.

A further object of my invention is to provide a slide which has a covering over the slide-board for the purpose of frictionally engaging the board, so that all the wear incident to frictional engagement with the slide-board will be on the flexible covering rather than on the apparel or person of the user of the slide.

A further object of the invention is to provide a slide-board with a flexible covering, so that the speed of the person sliding may be controlled by that person.

A still further object is to provide a slide-board, the slant of which may be adjusted by means for changing the height of the upper end of the slide-board.

A still further object is to provide means for adjusting the slant of the slide-board, so that the upper end of the slide may not be placed at a position higher than that proper for use.

It is commonly known that children in their playing are very likely to desire to go to extremes, and so adjust any means for amusement so that they are enabled to get the maximum of risk or thrill from that medium of amusement. To obviate any undue danger of risk, I have provided means whereby my slide may be adjusted and yet it will be impossible for the adjustment to be made in such a manner that the slide will become dangerous.

In the accompanying drawings,

Fig. 1 is a perspective view of a slide;

Fig. 2 is a longitudinal cross section thereof;

Fig. 3 is a cross section on the line 3—3 of Fig. 2;

Fig. 4 is a disassembled perspective view showing the means for attaching a slide to the upright;

Fig. 5 is a cross section through the slide and its flexible covering;

Fig. 6 is a modified form of the means for adjusting the elevation or slant of the slide;

Fig. 7 is another modification of these means; and

Fig. 8 is still a further modification of the adjusting means.

I provide steps 2 at the base of which I provide an elongated foot 4 for engagement with a substantial part of the ground or floor, so that steps are always held in a firm position.

At the topmost step 6, I provide an extension 8 which is hinged thereto by the hinges 10, and which forms an extension to the step 6, as shown in Figs. 2 and 4.

The slide is constructed with a slide-board 12 and two side members 14 and 16, the latter of which are secured together at their upper end by a bolt 18, which passes therethrough beneath the extension 8 to the step 6, as shown in Fig. 4; beneath the extension 8 in the groove 9 formed in the underside thereof, and at their lower end by nails or screws which are driven into the board or cross member 20.

The slide-board 12 is covered by an endless belt 22 of canvas or other suitable material, which slide-board and canvas belting is supported by the inwardly extending strips 24 on the side members 14 and 16.

At both ends of the slide-board 12, I provide cross members 26 and 28, which are semi-circular on the outer edges and which extend beneath the slide-board 12, so that when the slide-board is placed in position on the strips 24 of the side members 14 and 16, the cross members 26 and 28 of the slide-board 12 will engage over the ends thereof and hold the slide-board in a fixed position.

On both outer edges of the slide-board 12, I provide a knurled surface 30 which surface may or may not be covered with a preparation designed to increase the friction on that portion of the board. My purpose in providing these knurled surfaces is that when a child uses the slide he may control his speed while sliding down the incline by a pressure of the canvas belting 22 against the knurled surface 30.

At the lower end of the slide, I provide legs 32 and 32′ which are secured to the side members 14 and 16, and the cross member 20 therebetween, as described above, and which are secured together and held in parallel relation by the footing 34.

I provide a rope or cable 36 which extends between the footing 34 and the footing 4, as shown in Figs. 1 and 2, to hold the device in an adjusted position and maintain the upper end of the slide in its predetermined position.

In the modified form which I have shown in Fig. 6, I have provided a chain 38 which extends between the foot members 4 and 34 on the steps 2 and the leg 32, respectively. Approximately in the middle of the chain 38, I provide a hook 40 which may be engaged in any desired link of the chain 38, thereby permitting the chain to be shortened or lengthened, so that the legs 32 and 32′ and the steps 2 may be drawn closer together

or spread further apart, thereby changing the height and slant of the slide.

In this modified form, as shown in Fig. 6, I provide a sheathing **42** over approximately one-half of the chain, so that the link **40** may not be hooked into that portion thereof.

In the modified form in Fig. 7, I provide a similar chain **44** which is secured at one end thereof to the foot **34** of the leg **32**, the other end of which is provided with a hook **46** which is adapted to engage in the links of the chain **48**, one end of which is secured to the foot **4** of the steps **2**. The process of adjustment is substantially the same as described above in this form and it will be obvious that the chain **44** may not be bent back upon itself to shorten the distance between the feet **4** and **34**, since the chains **44** and **48** are secured together only by the hook **46**.

In the modified form shown in Fig. 8, I have provided a still further means for adjusting the distance between the foot **4** of the steps **2** and the foot **34** of the legs **32** and **32'**. In this form, I provide two rigid sliding members **50** and **52** which may be secured together in their several adjusted positions by the bolts **54**. These rigid members **50** and **52** are provided with a plurality of holes **56** and **58** therein, so that holes **56** in the member **50** may be brought into alignment with the holes **58** in the member **52**, and thereby shortening or lengthening the distance between the foot **4** of the steps **2**, and the foot **34** of the legs **32** and **32'**.

It will be obvious that I have provided a slide which may be easily and yet safely adjustable as to the height of the upper end of the slide and thereby the slant thereof, and yet I have provided means for adjustment which are impossible of undesirable adjustment.

It is also obvious that I have provided a slide which may be readily and repeatedly used without danger of wear on the clothing of persons or to themselves on the slide, because of a circular belt which I have provided to withstand the friction of an object sliding downwardly over the surface of the slide-board. Also in conjunction with the belt for receiving the entire amount of friction in the sliding action, I have provided means whereby friction may be increased or decreased for adjusting the speed of the sliding motion.

It will be obvious that I may find it necessary to make minor changes in the construction of my slide from time to time without departing from the spirit of the invention.

I claim,

1. In a slide, steps, a slide board, means for adjusting the slant of said slide board, means for longitudinally encircling said slide board, and means on said slide board for regulating the friction between said slide board and said encircling means.

2. A slide having a removable slide board and endless belt means for longitudinally encircling said slide board, said endless belt encircling the slide board only.

3. A slide comprising steps, a frame hingedly secured to the upper end thereof, legs secured to the lower end of said frame, and a slide board removably carried by said frame on supports secured longitudinally thereto.

4. A slide comprising steps, a frame hingedly secured to the upper end thereof, legs secured to the lower end of said frame, flexible means for adjusting the distance between said legs and the lower end of said steps, and a slide board removably carried by said frame on supports extending longitudinally thereof.

5. A slide comprising steps, a frame hingedly secured to the upper end thereof, legs secured to the lower end of said frame, a removable slide board carried by said frame on supporting strips extending longitudinally thereof, and flexible means encircling said slide board longitudinally.

6. A slide comprising steps, a frame hingedly secured to the upper end thereof, legs secured to the lower end of said frame, a slide board carried by said frame, flexible means encircling said slide board longitudinally thereof, and means for controlling the frictional engagement between said slide board and said flexible means.

7. A slide comprising steps, a slide-board covered with longitudinally movable flexible means, and means along the sides of said slide board for regulating the friction between said slide board and the flexible movable means.

8. In a slide, a slide board, a support for maintaining said slide board at a slant relative to horizontal, and flexible means encircling said slide board only.

HARRY F. HUSTED.