Aug. 2, 1966 R. E. LONDGREN 3,263,994

ADJUSTABLE CHILD'S SLIDE

Filed May 27, 1964 2 Sheets-Sheet 1

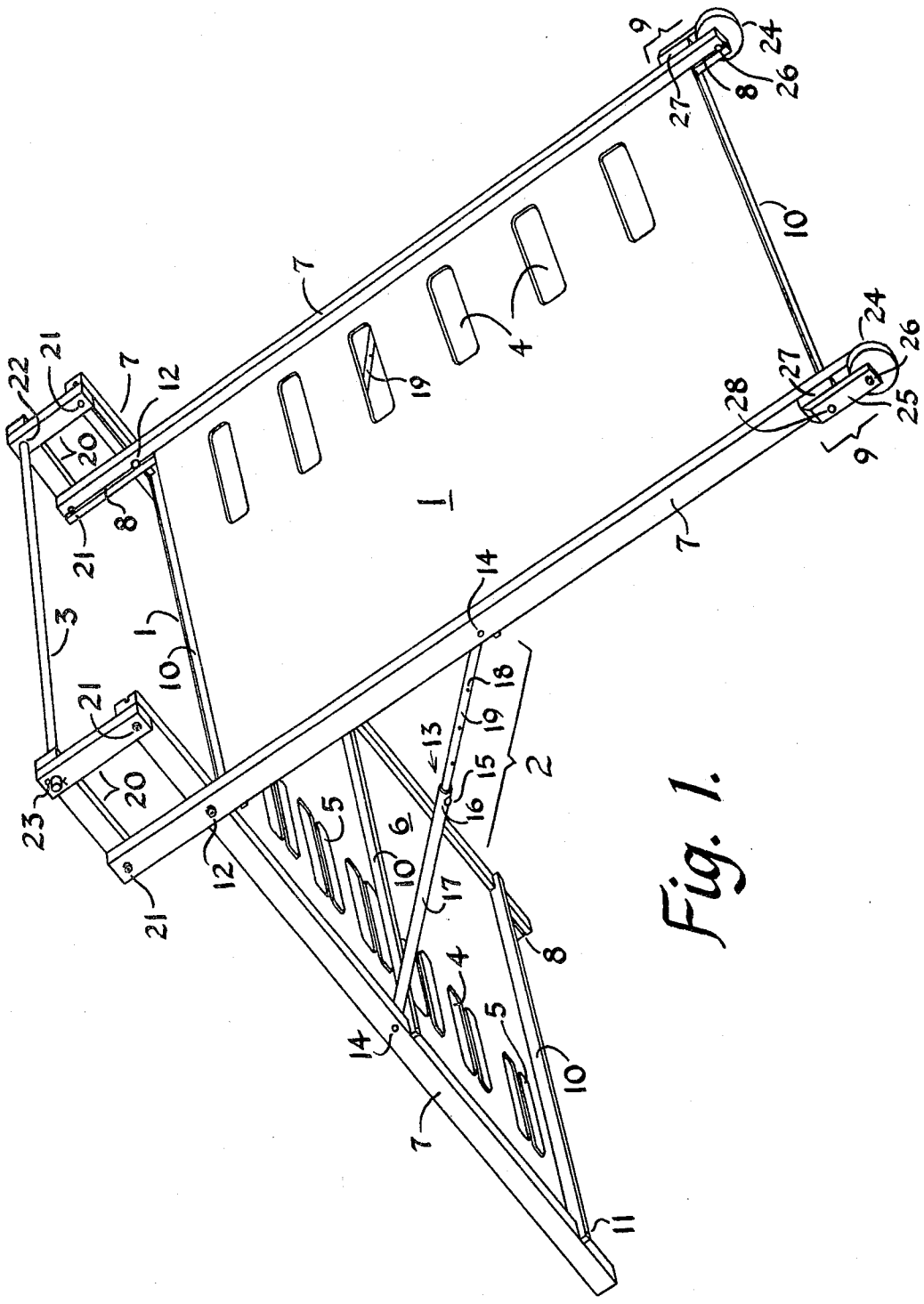


Fig. 1.

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Fig. 2.

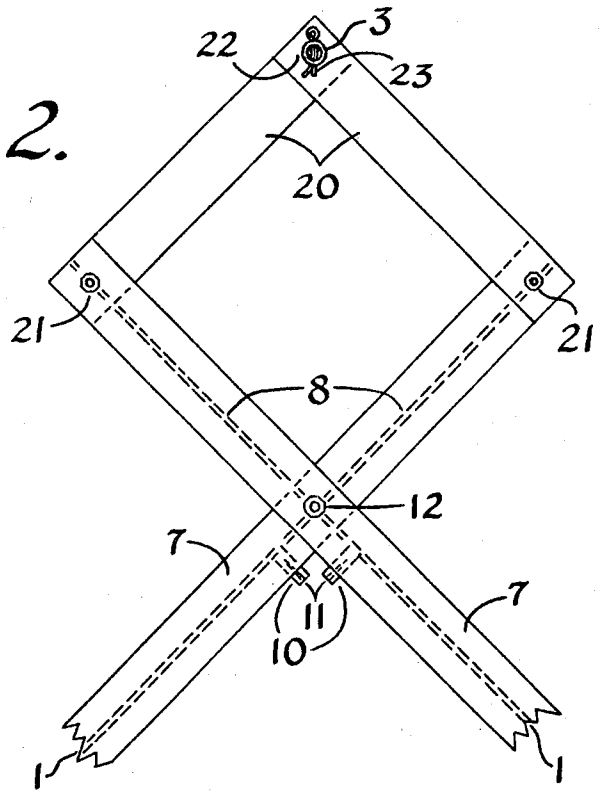
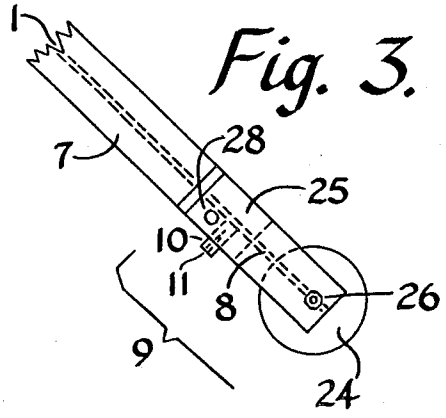


Fig. 3.



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ADJUSTABLE CHILD'S SLIDE

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This invention relates to amusement and exercise devices for children, with particular reference to an apparatus upon which children can climb and slide.

The principal object of this invention is to provide an unusual climbing and sliding surface for children of many ages. Because the angle of the sliding and climbing surface can be adjusted, this invention is suitable for children from 1½ years old to 12 years old or older. When the slide pitch is made steeper for larger chlidren, the grab bar at the top raises to accommodate the larger children.

Another object of this invention is to provide a double climbing and sliding surface. Because of the unusual features of this invention, a child can climb to the top of the slide, grasp the bar at the top and either slide down the other side or turn around and slide down the same side he climbed up. Because this apparatus has two climbing and sliding surfaces, several children can be climbing and sliding at the same time.

Still another object of this invention is to provide a slide that can be moved about easily on a playground. Because this slide has wheels at one end, it can be lifted at the other end and readily pushed or pulled.

Another object of this invention is safety for children using the slide. Because the angle of the sliding and climbing surface can be adjusted to suit the age of the children using the slide, the slide is safer than other slides for small children. Also, because of its wide base, the device will not overturn easily. A child cannot fall between the steps on this slide because the steps are relatively small holes in a large flat panel.

An additional object of this invention is to provide a large amusement device that can be stored easily. After removal of four bolts and one pin, the two sides of the slide can be stored as nearly flat panels.

Other objects and advantages will become apparent by reference to the following detailed description in conjunction with the drawings.

In the drawings:

FIG. 1 is a perspective view of the children's adjustable and movable slide;

FIG. 2 is a fragmentary side elevation of the device supporting the grab bar at the top of the slide;

FIG. 3 is a fragmentary side elevation of the wheel section of the slide.

Similar numerals refer to similar parts in the various views.

This adjustable slide as shown in FIG. 1 is made of three basic components: a pair of climbing and sliding panels **1**, a pair of angle adjustment bars **2** and a grab bar **3** at the top.

Each climbing and sliding panel **1** is made of tempered hardboard or other smooth-surface, weather-resistant material. Holes **4** for children to place their hands and feet in as they climb are cut into each panel **1**. The pieces **5** cut from the panels **1** are glued to the underside **6** of each panel **1** to give additional strength at the bottom edge of each hole **4**.

Each panel **1** is supported by wooden side rails **7**. Each side edge of the panel **1** is glued in a groove **8** cut the length of the side rail **7**. All four side rails

7 of the slide are identical except the bottom ends of two of the side rails **7** have wheel units **9** attached.

Also supporting each panel **1** are three cross braces **10**, one brace **10** at each end of the panel **1** and one brace **10** at the middle of the panel **1**. Each cross brace **10** is glued to the underside **6** of the panel **1** and nailed **11** to the side rails **7**.

The two climbing and sliding panels **1** are fastened to each other by bolting **12** side rails **7** pivotally together slightly beyond the tops of the panels **1**.

Two identical telescoping metal tubular braces **13** maintain the angle of the climbing and sliding panels **1**. The braces **13** are secured to the side rails **7** with bolts **14**. The angle of the slide can be changed by removing the bolt **15** in each of the telescoping braces **13**, aligning the hole **16** in the larger-diameter section of the brace **17** with another of the holes **18** in the other part of the brace **19** and replacing the bolt **15**.

FIG. **2** shows the grab bar **3** at the top of the slide. Children, when they reach the top of the slide, can hold onto this bar **3** as they go under or over to the other side of the slide or as they move along the top of the slide to go down the same side. When the pitch of the climbing and sliding panels **1** is made steeper, the height of the grab bar **3** increases to accommodate larger children. When the pitch is adjusted the other way, the grab bar **3** is in a lower position for smaller children. Four identical members **20** are fastened with bolts **21** at the top ends of the side rails **7** to support the grab bar **3**. The grab bar **3** extends through holes **22** in the members **20** and is secured by pins **23** at each end of the bar **3**.

FIG. 3 shows the wheel units **9** fastened at the bottom ends of two of the side rails **7**. With these wheel units **9** at one end of the slide, a person can lift the other end of the slide and push or pull the entire slide. The wheel **24** is fastened to a side rail **7** and another support **25** by a bolt **26**. The other end of the support **25** is fastened to the side rail **7** and a spacer **27** by another bolt **28**.

This children's adjustable slide can be easily disassembled for storage as two practically flat units. To do this, a pin **23** is removed from the grab bar **3** and the grab bar **3** is removed from its supports **20**. The bolts **15** in the telescoping braces **13** are removed and the bolts **12** near the top of the panels **1** are also removed. The brace parts **17**, **19** and the grab bar supports **20** fold against the panels **1**. The two panel sections can then be leaned against a wall or laid down for storage.

Various changes can be made in this invention without departing from the spirit of the invention, and it is requested that the description of the invention be considered illustrative rather than restrictive.

I claim:

1. An adjustable slide, comprising: a pair of slide units each provided with a smooth flat panel having a plurality of openings formed therein with side rails and cross braces fixed to each of said panels; means pivotally connecting said slide units together at one end thereof; telescoping braces connected to the side rails of said slide units adjustable to vary the steepness of said slide units; a grab bar supported adjacent the pivotal connection between said slide units; and a parallelogram support means for said grab bar that changes the height of said grab bar when the steepness of said slide units is varied.

2. An adjustable slide in accordance with claim **1** wherein said pivotal connection means between said slide units is removable.

3. An adjustable slide in accordance with claim 1 wheien the material removed from said panels to form said openings therein is adhered to the underside of each of said panels ot provide additional support for said panels.

4. An adjustable slide in accordance with claim 1 wherein wheel means are mounted on the end of one of said slide units opposite the end pivotally connecting said slide units together.

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