

1,417,594.

E. COE.
TOBOGGAN AND SLIDE.
APPLICATION FILED MAR. 20, 1922.

Patented May 30, 1922.

2 SHEETS—SHEET 1.

Fig. 1.

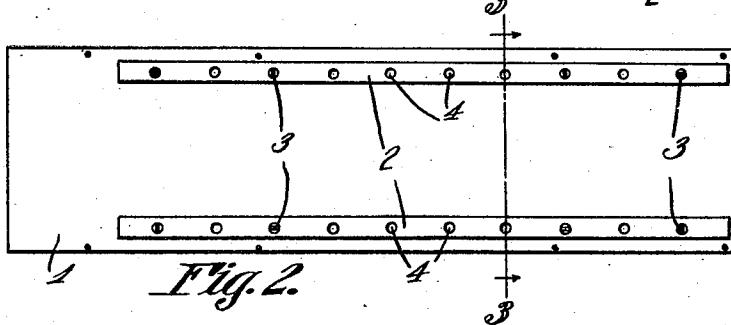
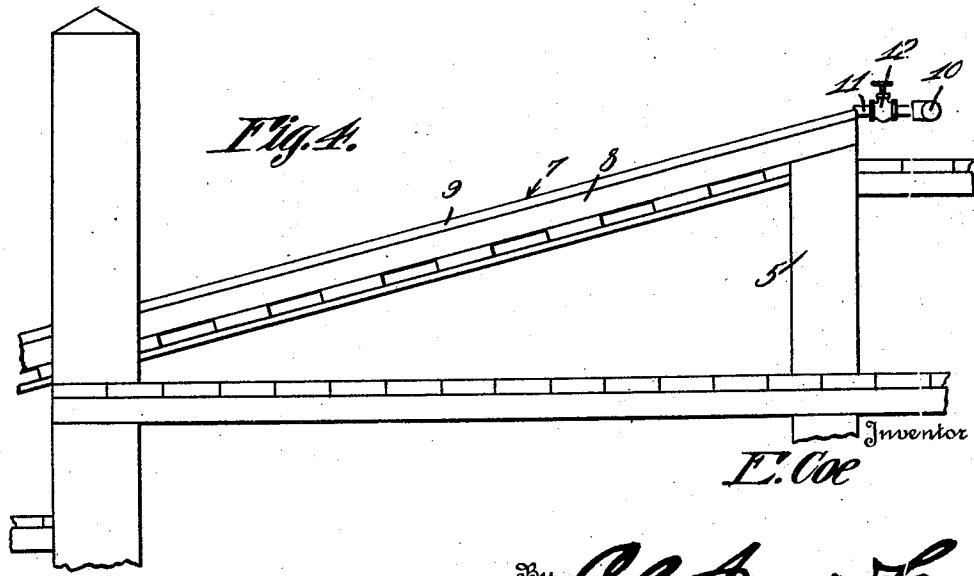


Fig. 2.



Fig. 3.

Fig. 4.



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2 SHEETS—SHEET 2.

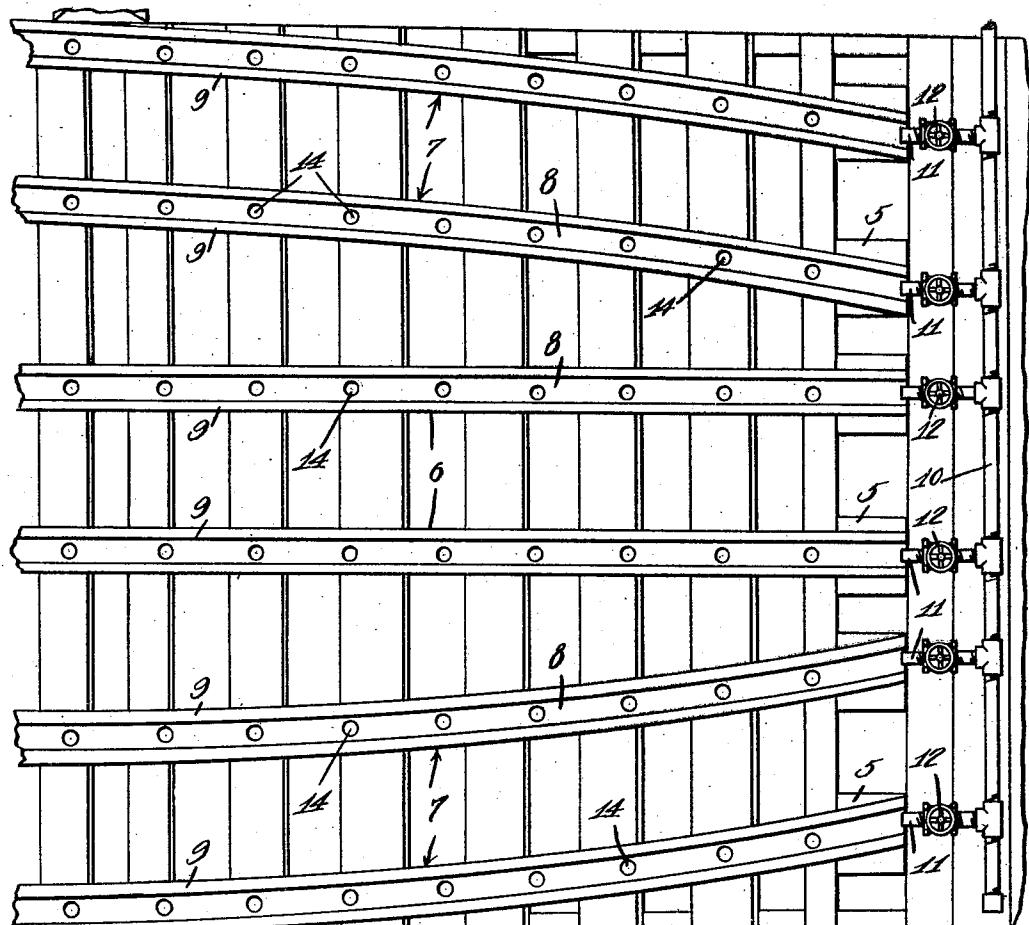


Fig. 5.

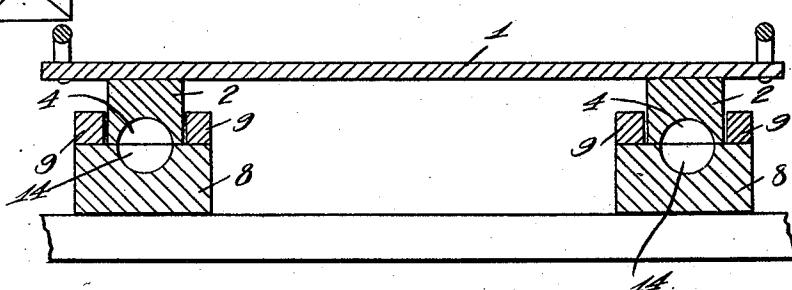


Fig. 6.

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UNITED STATES PATENT OFFICE.

EDWARD COE, OF BATTLE CREEK, MICHIGAN.

TOBOGGAN AND SLIDE.

1,417,594.

Specification of Letters Patent. Patented May 30, 1922.

Application filed March 20, 1922. Serial No. 545,283.

To all whom it may concern:

Be it known that I, EDWARD COE, a citizen of the United States, residing at Battle Creek, in the county of Calhoun and State of Michigan, have invented a new and useful Toboggan and Slide, of which the following is a specification.

This invention aims to provide a toboggan or like vehicle of novel form, so constructed that it will slide readily. Another object of the invention is to improve the track on which the toboggan slides.

Figure 1 shows in side elevation, a toboggan constructed in accordance with the invention; Figure 2 is a bottom plan of the toboggan; Figure 3 is a section on the line 3—3 of Figure 2; Figure 4 is an elevation of the slide; Figure 5 is a fragmental top plan of the slide; Figure 6 is a cross section showing the toboggan on the slide.

The numeral 1 marks a toboggan or like vehicle. Runners 2 are attached by securing elements 3 to the toboggan 1. The runners 2 may be made of wood or any other suitable material. In the lower surface of the runners 2 spaced pockets 4 are formed.

The numeral 5 marks a frame constituting a part of a slide. The frame 5 carries an intermediate track 6 and side tracks 7. Although an intermediate track 6 is shown, the same may be dispensed with if desired, and, if preferred, the track 6 may be used to the exclusion of the tracks 7. Each track comprises rails made up of a base 8 and ribs 9, the ribs 9 being spaced far enough apart so as to form a groove wherein one runner 2 of the toboggan 1 may move. In the bases 8 of the tracks, spaced pockets 14 are formed.

The track 6 preferably is straight, whereas the tracks 7 are curved outwardly on a radius, away from each other, and away from the track 6. The curvature of the tracks 7, laterally, may be very small, and this curvature is exaggerated slightly in Figure 5, in order that the feature alluded to may appear.

If desired, a water pipe 10 may be mounted on the frame 5, the pipe having

spouts 11 delivering into the grooves of the tracks 6 and 7. Valves 12 control the flow of water through the spouts 11 from the pipe 10.

If the device is used in the winter time, water may be delivered through the spout 11, upon the track, and may be permitted to freeze on the track to some extent, the ice accumulating in the pockets 14 of the track. When the runners 2 of the toboggan 1 traverse the track, ice will accumulate in the pockets 4 of the runners. Owing to the presence of the ice, retained in the pockets 4 and 14, the toboggan will move rapidly over the track. If the device is used in the summer time, the tracks and the runners of the toboggan may be well greased to secure a sliding movement of the toboggan; or, if water is delivered on the tracks, from the spouts 11, the tracks and the runners of the toboggan may be maintained in a sufficiently slimy or slippery condition, so that it will be unnecessary to grease the tracks. If the toboggan moves over the surface of the water, instead of over ice or over the land, the runners 2 will act as keels holding the toboggan in a straight course.

Owing to the fact that the side tracks 7 curve laterally and away from each other, a force will be resolved out of the sliding movement of the toboggans 1 on the tracks 7, which will tend to hold the toboggans on the slides 7 apart and avoid any possibility of the toboggans jumping inwardly, into contact with the toboggan on the track, if the track 6 is used.

What is claimed is:—

1. In a device of the class described, a vehicle embodying runners provided with spaced ice pockets.
2. In a device of the class described, a slide including rails provided with spaced ice pockets.
3. In a device of the class described, a slide embodying rails; and a vehicle having runners traversing the rails, the runners and the rails being provided with spaced ice pockets.
4. In a device of the class described, a

vehicle; and cooperating elements comprising a runner on the vehicle and a rail traversed by the runner, one of said cooperating elements being supplied with spaced ice pockets.

5. In a device of the class described, a slide comprising tracks, one of said tracks having a slight lateral curvature with respect to the other track, to impart lateral movement to a vehicle on said track, away

from a corresponding vehicle on the other track.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EDWARD COE.

Witnesses:

FRANCIS A. KULP,
A. R. BURT.