

Let's make learning to ride a bike *safe*

Dynamic Training Wheels

Flexible turning

Enhances safety

Inspires learning



Introduction

Learning to ride a bike is one of the joys of life

It's also a great avenue to life-long health

Why do we need better training wheels?

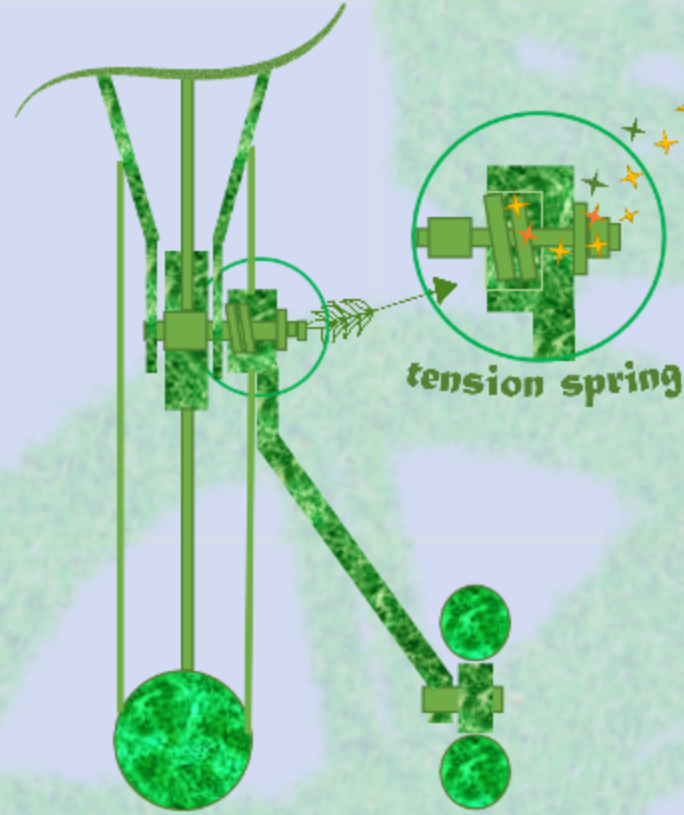
Current training wheels hold the bike steady, but stop the rider from turning well or leaning

They feel different from a real bike, and don't teach the beginner the feeling of twisting roads



Learn to ride a bike, safely

Learn to ride a bike, safely



What are auxiliary wheel dynamic training wheels?

The dynamic training wheel design is a unique design that redefines what training wheels are capable of:

- Flexible movement
- Spring mechanism
- Allows for turning of the front wheel

Introduction

Parents need a way to help their kids learn to ride a bike with dynamic freedom, without worrying they will tip over easily.

Let's give the parent the peace of mind to let go and watch their kid flourish!



What's so great about them?

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02. Tension spring support system

The tension spring mechanism provides contraction and expansion so the training wheels are not hindered and stagnant like traditional wheels.



04. Varying riding speed capability

Beginners need to start riding slowly, which is naturally less stable and increases chances of tipping compared to riding at a fast pace. With these wheels, the rider can go slowly without falling



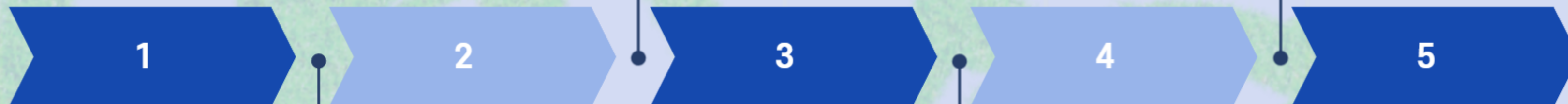
01. Flexible turning

Previous training wheel designs don't allow the front wheel to turn left and right properly because the bike cannot lean. The learner gets used to the feeling of stagnance, then has to relearn how turning feels once the training wheels come off. These wheels allow for realistic sensations from the get-go.

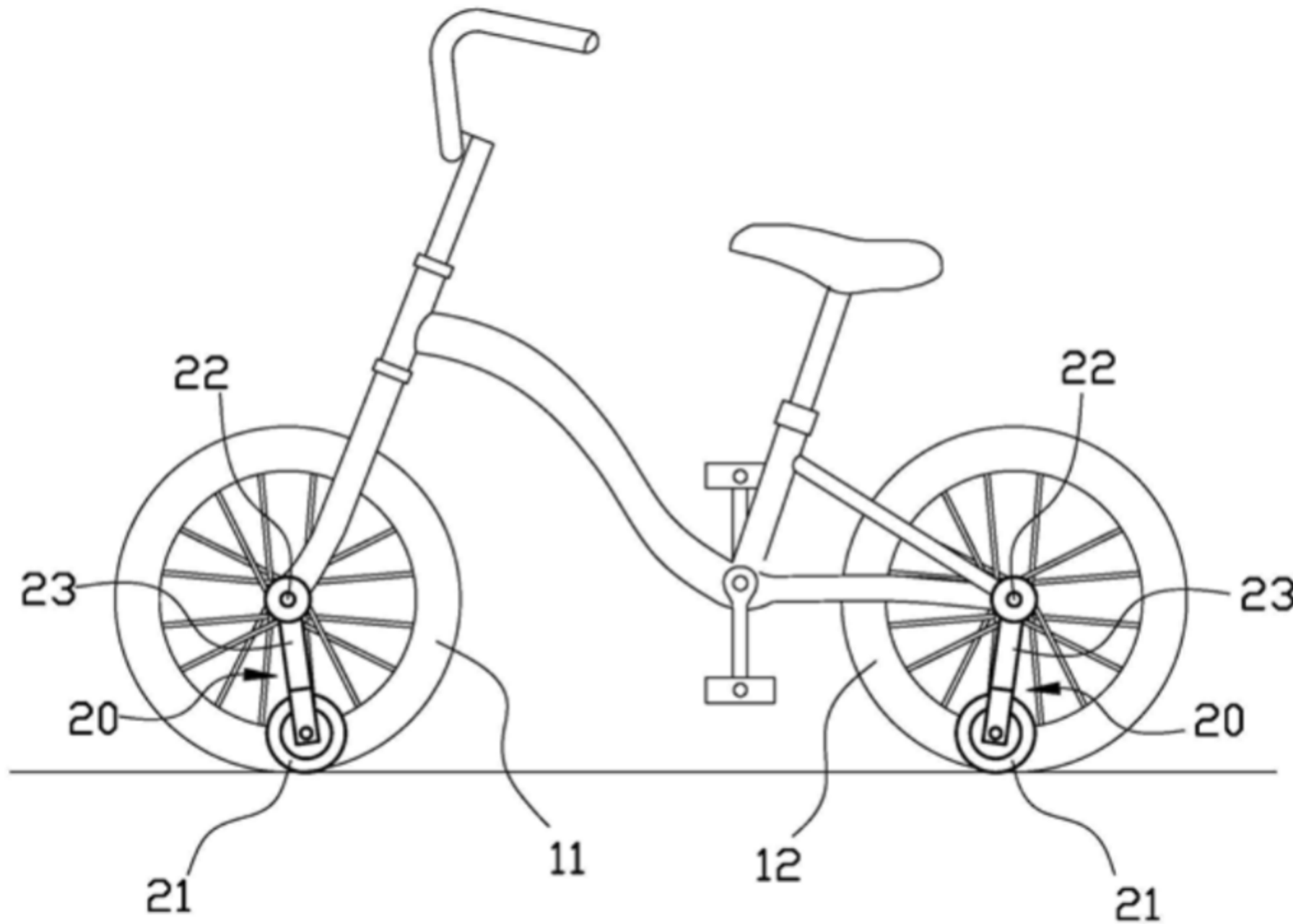


03. Prevents tipping

Even though the dynamic training wheels are much more flexible than traditional ones, the spring still prevents full tipping. The tension is calibrated so low tension allows for turning when the rider leans, but maximum tension will stop the bike from tipping.



What's the tech behind it?



Support Bracket and Spring

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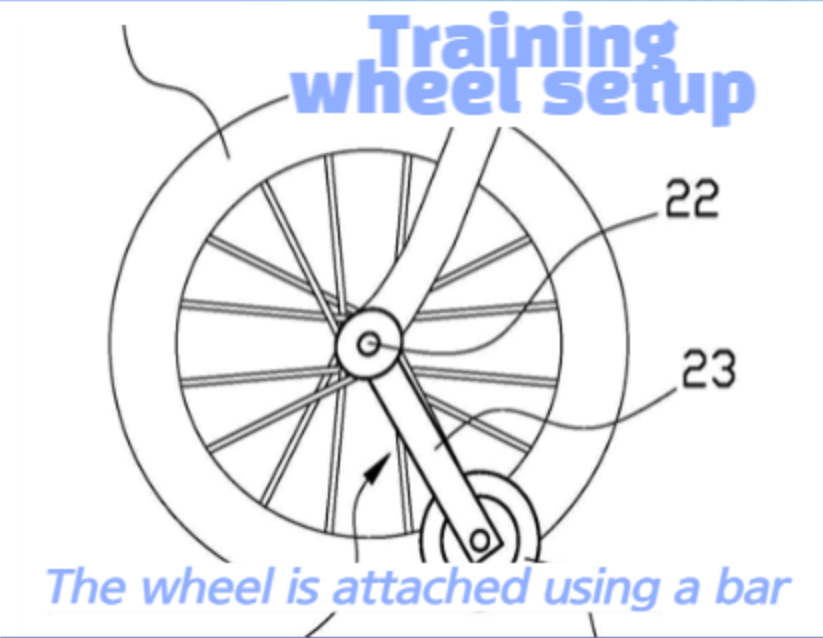
The design includes a support bracket that is freely installed on the rotation center of the bicycle wheel at one end.

This means the auxiliary wheel rotates at a certain angle in the front and rear directions of the bicycle wheel.

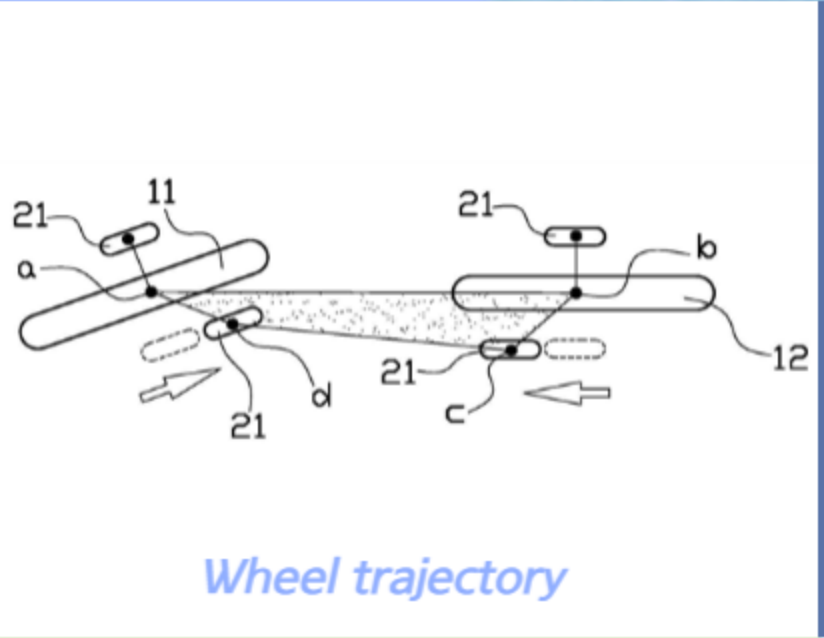
The tension spring mechanism is made of elastic, which is installed on the outside of the rotation center axis, one end fixed to the rotation center axis of the bicycle wheel, and the other end fixed to the support bracket.

Tell me in more detail

How does it work?



The elastic piece is installed in the auxiliary wheel assembly for flexibility and simultaneous support

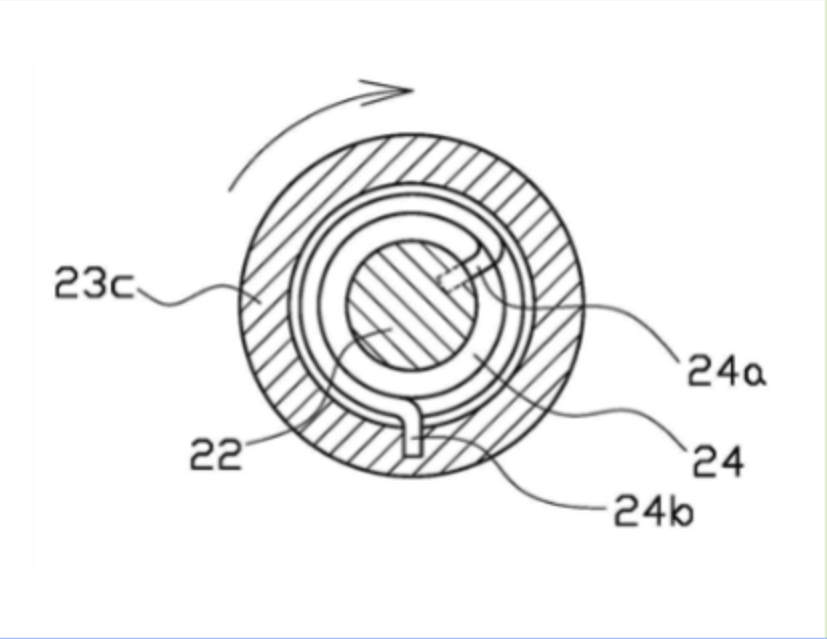


Tension expansion

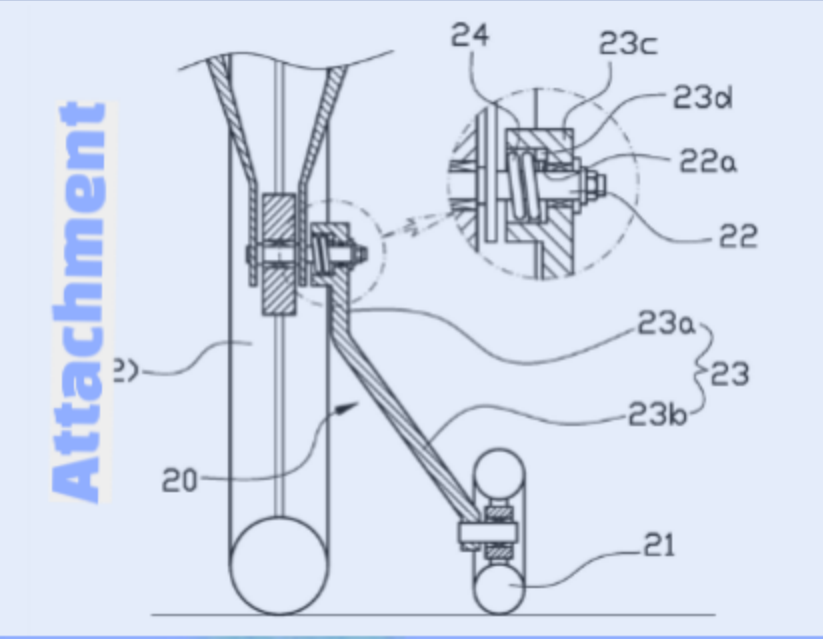
The attachment beam will expand outward when the rider wants to turn, and will return to center using tension when the pressure lifts as the rider stops leaning

Wheel attachment

The tension spring attaches to the main back wheel, which prevents tipping from the back while leaving the front wheel free



Flexibility in all directions allows for free movement, as the trajectory of the training wheels naturally follows the movements of the rider as they lean their body weight in different directions



Becoming the future of bike learning

Training wheels can be used for real training, not just temporary safety at the very beginning of learning



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• **Thank You.** •

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