

# THE CARROUSEL COURIER Jr.

HERSCHELL CARROUSEL FACTORY MUSEUM NEWSLETTER

just for kids



## NOT YOUR AVERAGE "SIT-N-SPIN"!

BY MS.MEGAN HAHIN

Do you know what's better than one amusement ride? Two combined in one! One of our most popular and dizzying features on our carousel is the Love Tub. The Love Tub acts like a tea cup that spins you around in circle while

the carousel goes around in circles. Riders can choose how fast they want to spin by turning the wheel in the center of the tub.



The Love Tub is meant to be shared by more than one daredevil at a time. If you like to get dizzy, make sure to ask to ride in our Lover Tub on the Number One Special carousel next time you're at the museum!

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# TEA CUP RIDE - STEM SIDE

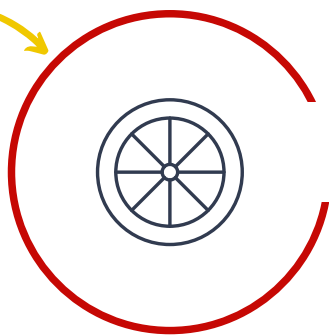
BY MS. JENNA CURRAN

As you can see, it goes by many names. Tea cup, lovers tub, and spinning cup, but the science behind it has one: **centrifugal (cen-trif-u-gal) force**. **Centrifugal force**, one of Newton's mechanics, part of the second of law of motion, is the outward force on an object from an **axis** on a **rotating frame**.

Let me break this down even further. When looking at our lovers tub from a birds eye view it looks something like this :

The pole that runs through the center of the tub which holds the wheel is the **axis**. The outer side of the tub is the **rotating frame**.

When you are sitting in the tub and spinning, you are creating the **centrifugal force**! Now, look at the birds eye view of the lovers tub again, can you label the parts?



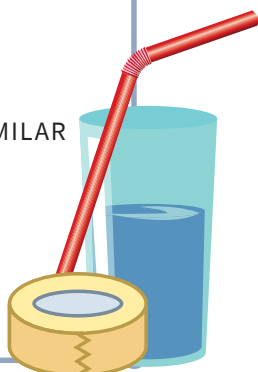
Here is a fun experiment with **centrifugal force** you can try at home in your own tub (or outside in a plastic cup).

**DIFFICULTY:** EASY

**SET-UP TIME:**  
10 MINUTES

**MATERIALS:**

- MASKING TAPE OR SIMILAR
- PLASTIC STRAW
- SCISSORS
- SKEWER
- TUB (OR A CUP)
- WATER

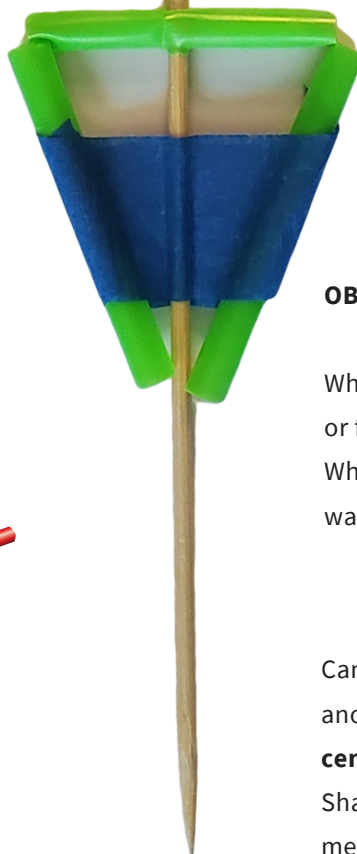


Begin by cutting off 1/4 of the straw (or on some straws cutting the bending section off straw off). Cut the straw half way through in thirds. Careful not to go all the way through the straw!

Now poke a hole in the middle of the staw and push the skewer through so that straw and the skewer or crossed with the pointed end of the skewer pointed down and the opening of the cuts in the straw facing upward.

Now you can bend these two sides of the straw down touch the skewer on each side to make a triangle. Take the straw sides in place, careful not to cover any opening of the.

You are ready for the tub! (or cup). Holding the top of the skewer touch the pointed end to the bottom of the tub (or cup OUTSIDE), allowing the water to cover just a little over the straws. Now twist the skewer between your thumb and pointer finger and watch the water flow!



The skewer is our **axis**, the the straws when in motion create our **rotating frame**. The water is our visual of **centrifugal force**!

**OBSERVATION QUESTIONS:**

What happens when you spin slower or faster?

What happens when you change the water level?

Can you come up with another example of **centrifugal force**?

Share with us on social media using **#HCFM**





# CARROUSEL CHARIOTS

BY MR. IAN SEPPALA

Carousels are known for their animals that go up and down. Some even have Spinning Tubs that add to the excitement. What if you don't want to go up and down and all the extra spinning would make you dizzy? The Carousels have another choice for you. Meet the carousel chariot.

Chariots are also called sleighs, chairs, or seats. They are like a bench seated on the carousel. Chariots allows all friends young and old to ride a carousel. Chariots come in a variety of shapes, and sizes. Even though most chariots have two rows, some like our kiddie carousel chariots, only have one. Let's take a look and learn more about the chariots we have at the Herschell Carrousel Factory Museum.

Our oldest chariot is the Artmitage-Herschell Company horse chariot. Chariots like this one were made of two decorated sides like the one pictured here. It would also have two seats to sit on, a front, and a back. This chariot is from the 1880's and has a carved horse head and other pretty designs.



ARMITAGE-HERSCHELL CHARIOT SIDE C. 1890S



The viking and dragon chariot is one of the most popular in the collection. Built between 1915 and 1960, this chariot is highly colorful and shows the whimsical side of chariots.



ALLAN HERSCHELL CO. VIKING CHARIOT SIDE



ALLAN HERSCHELL CO. KIDDIE CAROUSEL TIGER CHARIOT

A big jungle cat is the subject of one of the two chariots on our Kiddie Carousel. The tiger jumps right out of the chariot side. Do not worry, this tiger can't bite and enjoy sharing rides with his little friends.

The 1916 number one special carousel also has a chariot. The outside depicts a women in a beautiful dress sitting in the chariot. It is the most colorful chariot, using all kinds of fun colors. It also is the only chariot at the museum that has fake wheels at the bottom.



ALLAN HERSCHELL CO. NIMBER ONE SPECIAL CAROUSEL CHARIOT 1916

After seeing all of these types of chariots, what are some ideas you have? What other cool things could be on a chariot? Let us know on social media using the **#HCFM**.

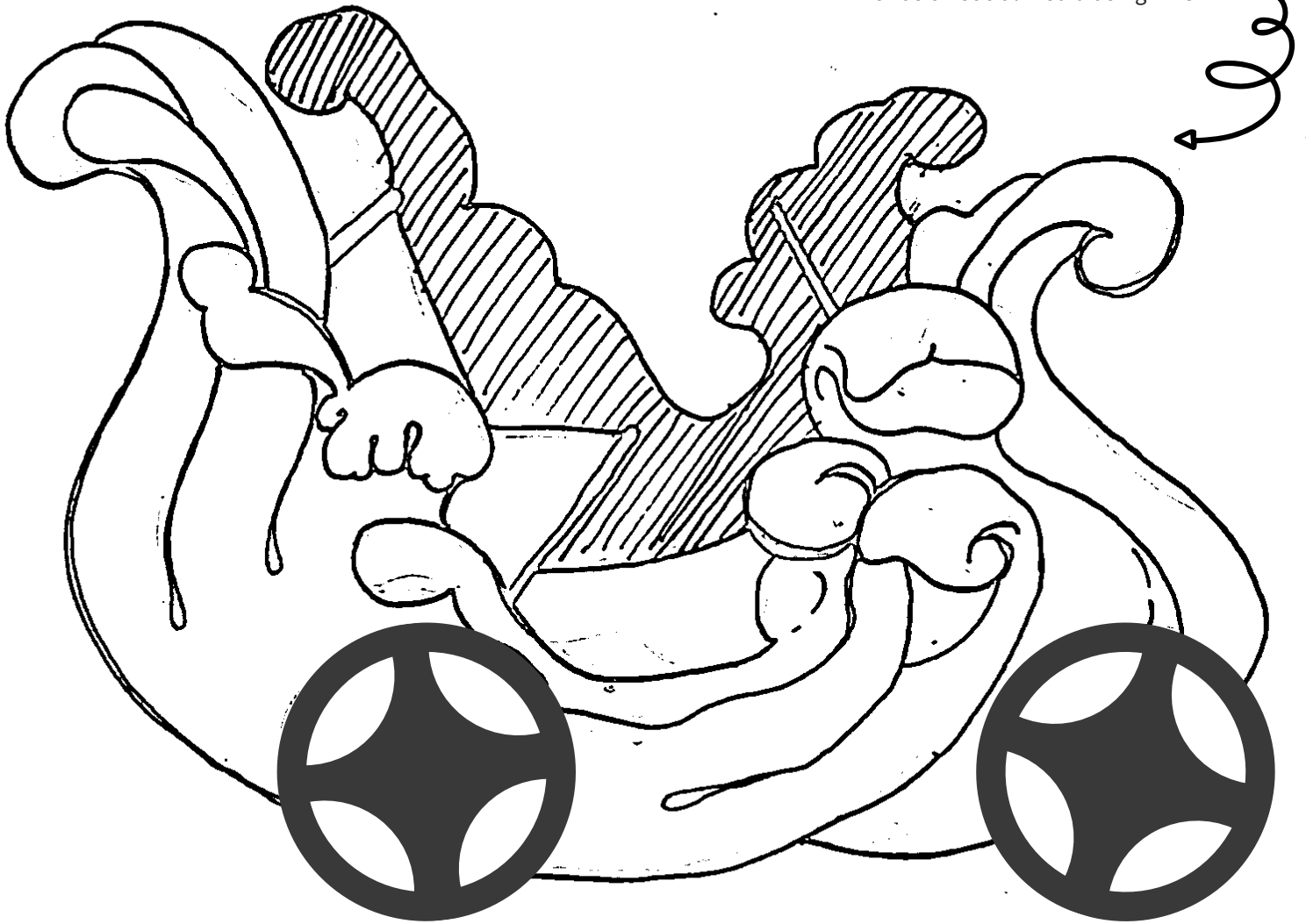


# CREATE YOUR OWN CARROUSEL CHARIOT



**Don't forget to share it with us!**

Have an adult take a picture of your chariot and share it with us on social media using #HCFM



“  
*Everything has beauty, but  
not everyone sees it.*

”

**-Confucius**

Did you know that some chariots are considered so beautiful that they have even been turned into jewelry? Just like this historic Herschell Chariot at the Greenfield Village carousel.