



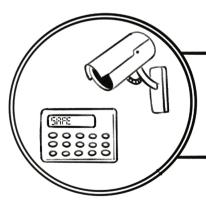
#### Marie Van Brittan Brown

Marie's mom was an inventor and Marie learned from her mom how to solve a problem in her own home....keeping bad people out.

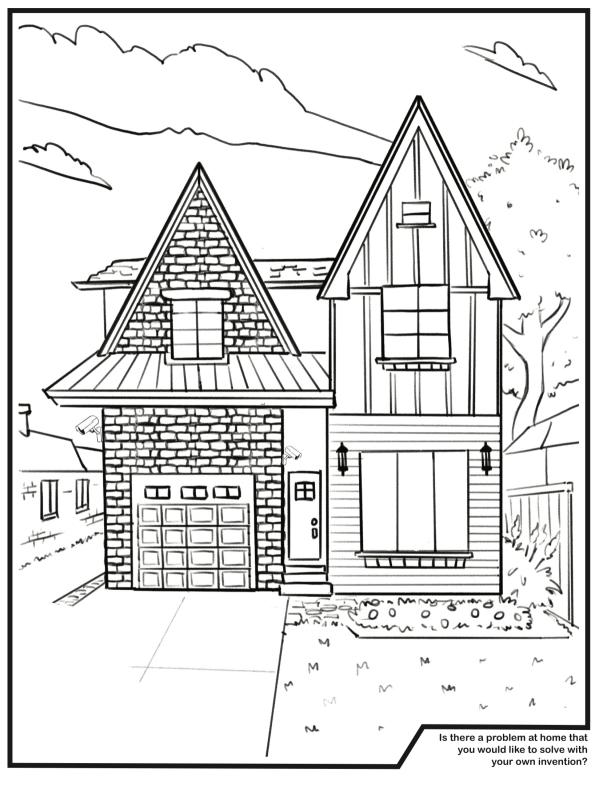


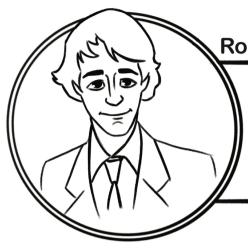
Marie realized that if someone broke into your house when you weren't home they were unlikely to be stopped in time or caught. She wanted to make people's homes a safer place.





Marie invented the security system over 50 years ago and it still looks a lot like today's security systems. Marie knew that good ideas solve problems.



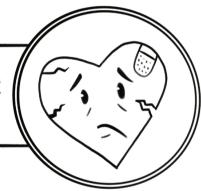


#### Robert Jarvik

Robert found his love of invention through an early interest in taking things apart and putting them back together.

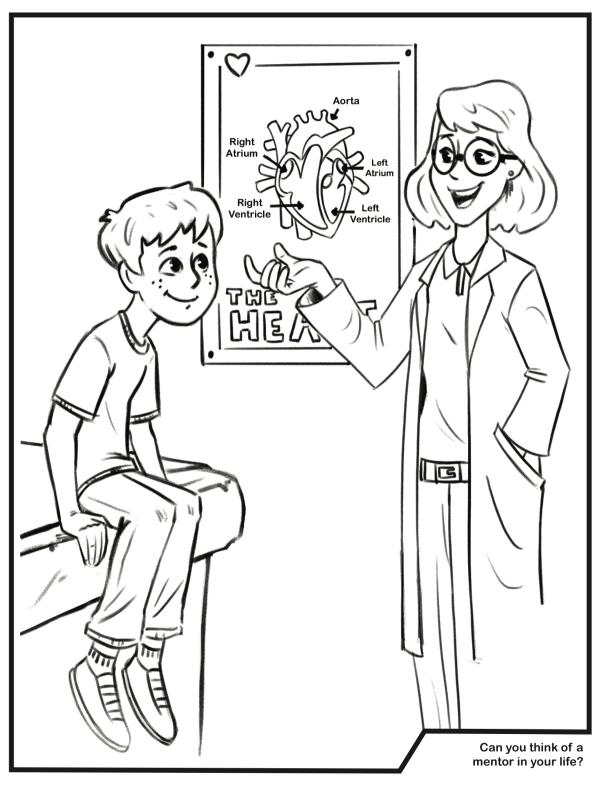


Sometimes important organs in our bodies like the heart become damaged due to injury or illness.





Robert worked in Dr. Willem Kolff's artificial organs laboratory, where he created an artificial heart design that was implanted in a sick man who then lived for another 112 days. The team's experiments led to important breakthroughs in medical science.



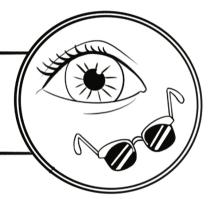


Patricia Bath

Patricia discovered a way to keep millions of people from going blind.



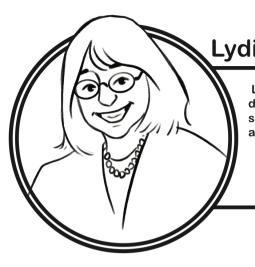
Patricia realized that blindness affects people all over the world and that people in her own African American community were particularly at risk.





Patricia's love of science and math in school helped her to invent the use of lasers to prevent blindness in over 30 million people ever year! She invented laser cataract surgery.



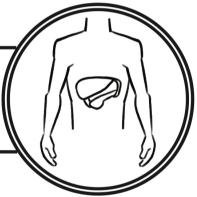


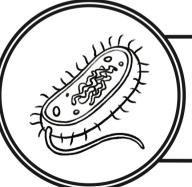
# Lydia Villa-Komaroff

Lydia helped to find a cool way to cure diseases like diabetes. She learned a lot in school - most of all that failing is not always bad.

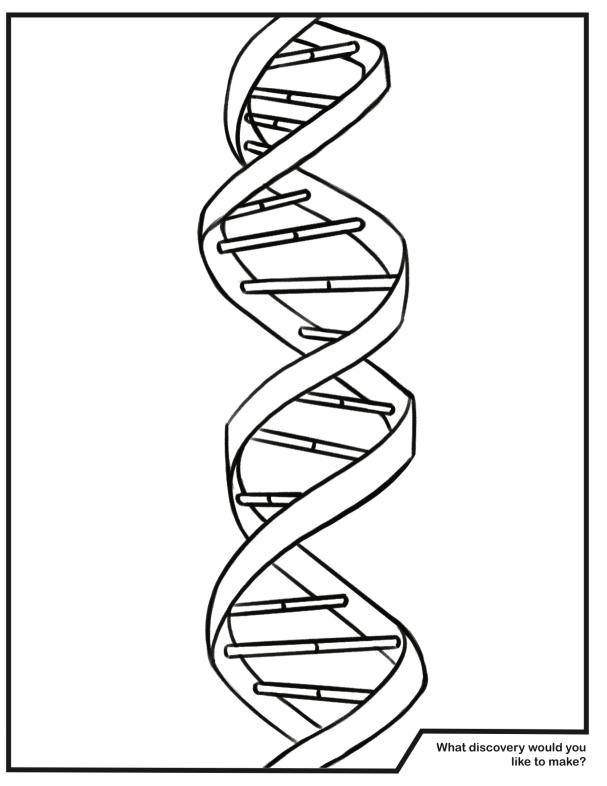
**NM** 

Lydia studied biology and medicine in school and decided to try and find a solution for people who have diabetes. Diabetes affects your pancreas' ability to make insulin.





Her biggest failures helped her to discover her huge success...how to use bacteria to make a medicine called insulin. Insulin is a medicine that helps to treat diabetes.



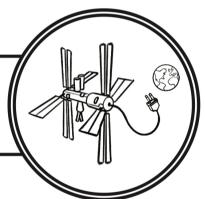


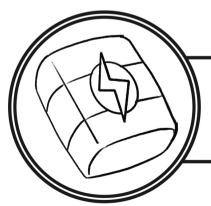
Olga Gonzalez-Sanabria

Olga was inspired to solve problems about energy when she went to her school career fair.

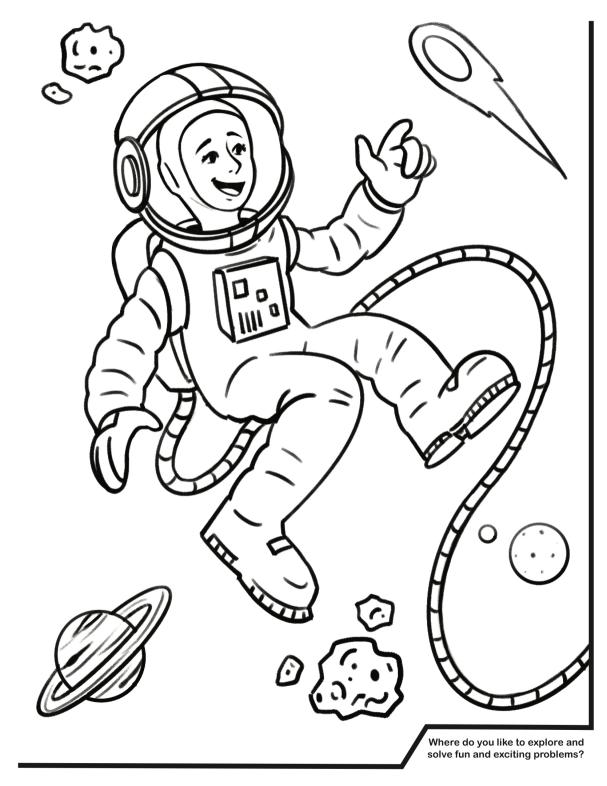
PUERTO RICO

The International Space Station is an important place where astronauts study aspects of space. Providing it with enough power was difficult.





Olga worked on a team with other scientists that created a battery system for the station.



## **CAN YOU SPOT THE INVENTIONS?**

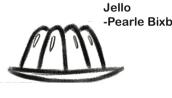
Every day we are surrounded by amazing inventions! Which ones can y







Fry Sauce (UT) -Don Carlos Edwards



#### ou find in the scene below?









Electric Refrigerator -Florence Parpart



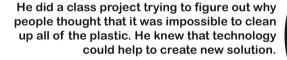
Disposable Diaper -Marion Donovan



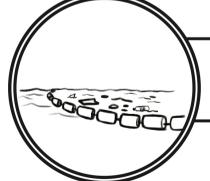
# **Boyan Slat**

Boyan realized that plastic in the oceans is a serious problem and was not satisfied with being told it was impossible to clean it up.

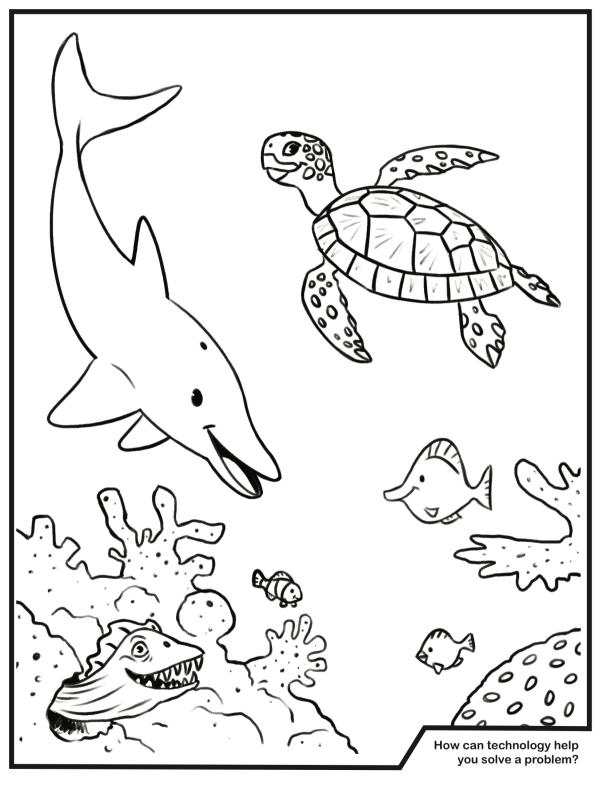
The Netherlands

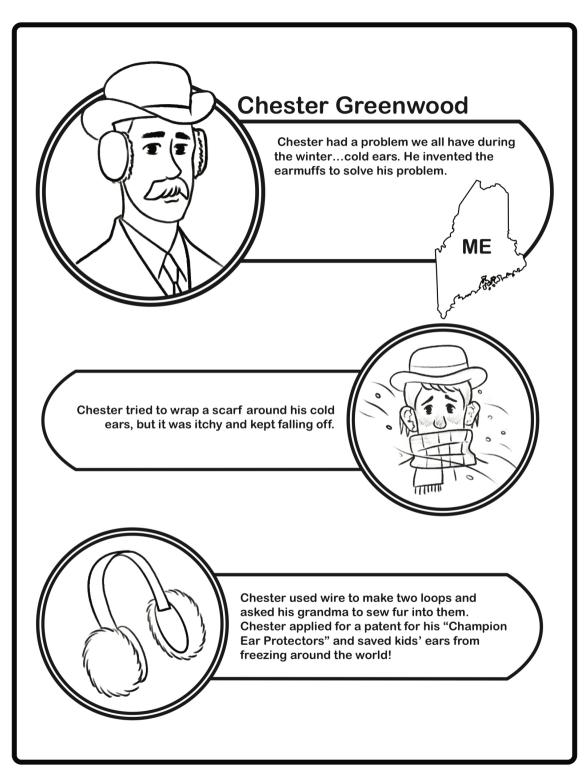


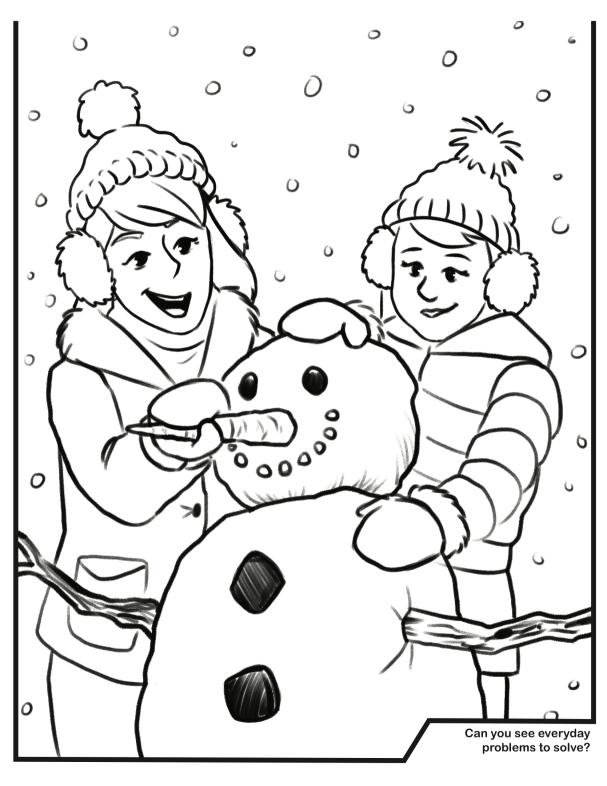


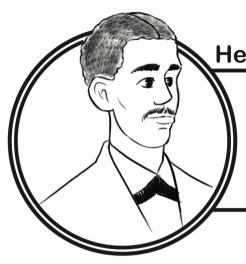


He designed a floating machine to pick up plastic and started his own company called The Ocean Cleanup at 19 years old.







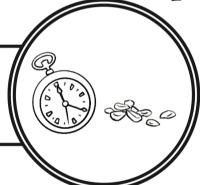


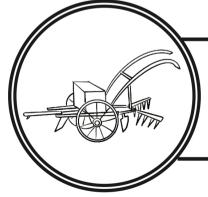
**Henry Blair** 

Henry was a farmer and knew that planting seeds took a lot of his time. He invented two machines that would help save time to plant corn and cotton seeds.

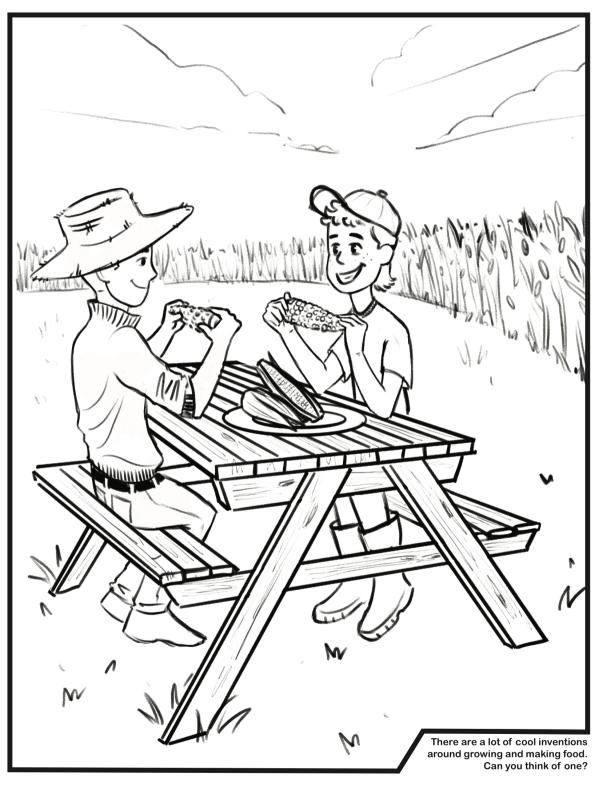


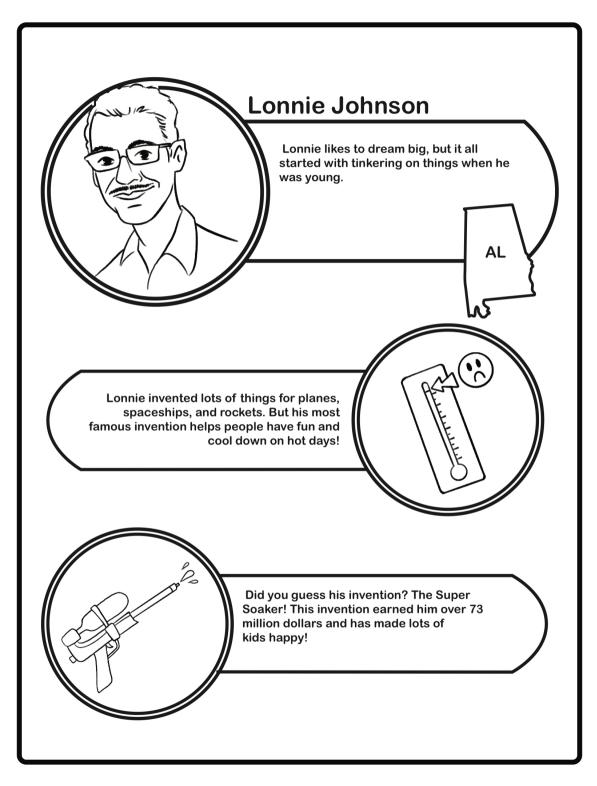
He figured out that if a farmer saved time planting seeds then they could grow more food for hungry people.

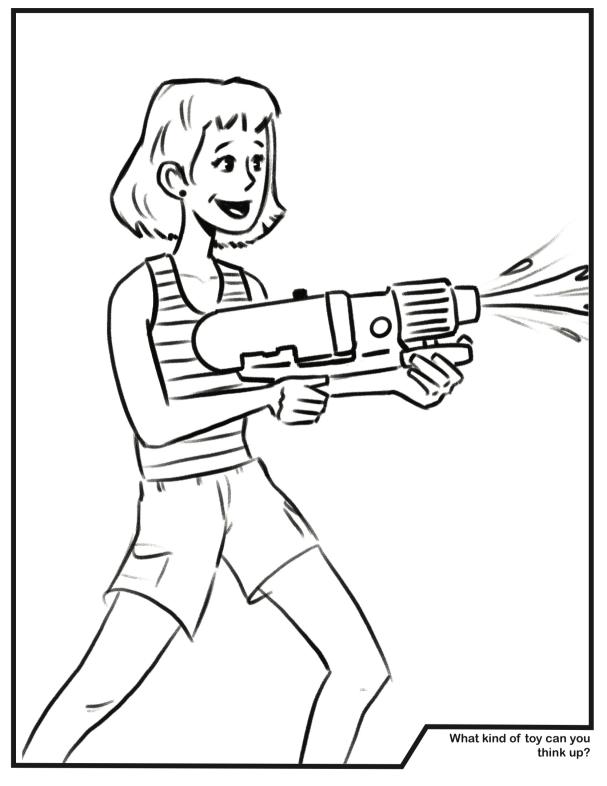




Henry's invention used a wheel barrow and a rake to make a planting machine. He showed how every day things can be used for new ideas.

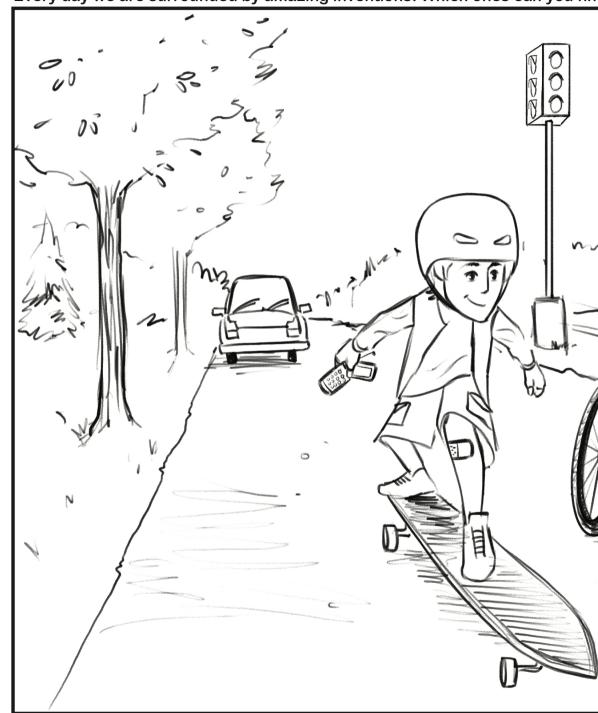


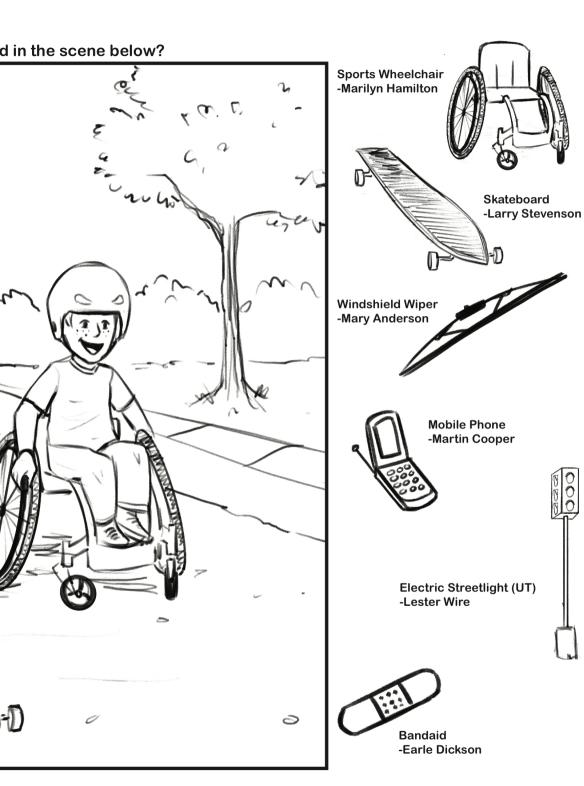




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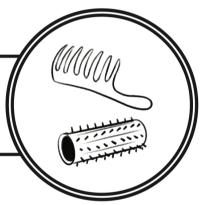
Marjorie Stewart Joyner

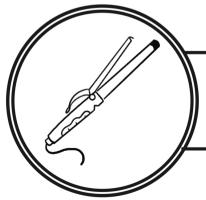
Marjorie saw that women were busy and always trying to find the time to take care of their hair. Roasting a turkey gave her the idea for her permanent hair wave machine.



Curling hair could take a long time and usually involves a lot of preparation.

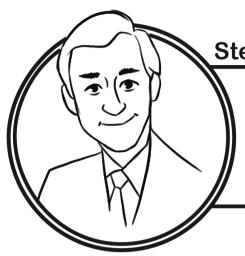
Marjorie wanted to create a more permanent, and easier, solution.





Marjorie's invention used heat to cause permanent curls in hair. The curling iron has saved many people a lot of time!



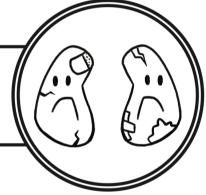


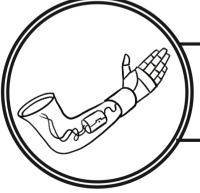
## Steve Jacobsen

Steve liked to know how things worked and spent a lot of time taking things apart, like cars, and putting them back together.



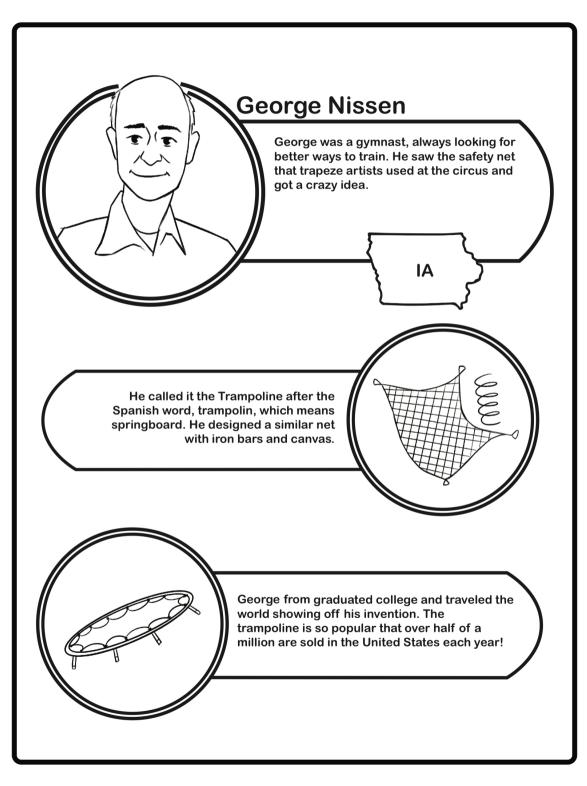
Steve looked around and saw many ways that an invention could help solve a problem. When he created the first artificial kidney machine, it helped a lot of people whose kidneys were sick or damaged.

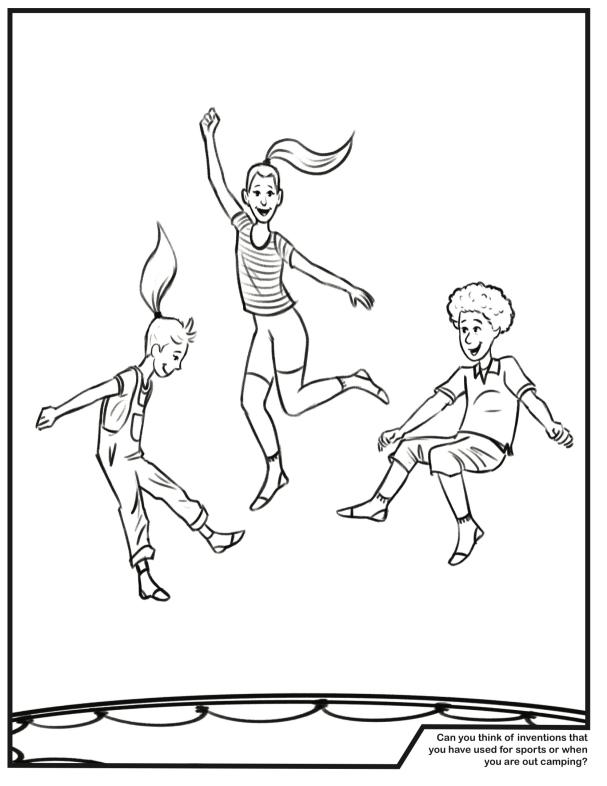




Steve used his imagination with robotics to invent lots of cool things like robots for amusement parks (think pirates and dinosaurs!) and the first electromechanical artificial limbs for lower-limb amputees.







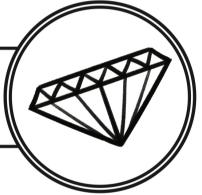


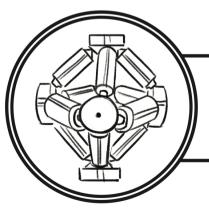
Tracy Hall, Bill Pope & Duane Horton

A good invention sometimes requires people who are good at different things. Bill Pope, Tracy Hall and Duane Horton, as a team of inventors, came up with a way to grow fake diamonds in a lab and ways to use them.

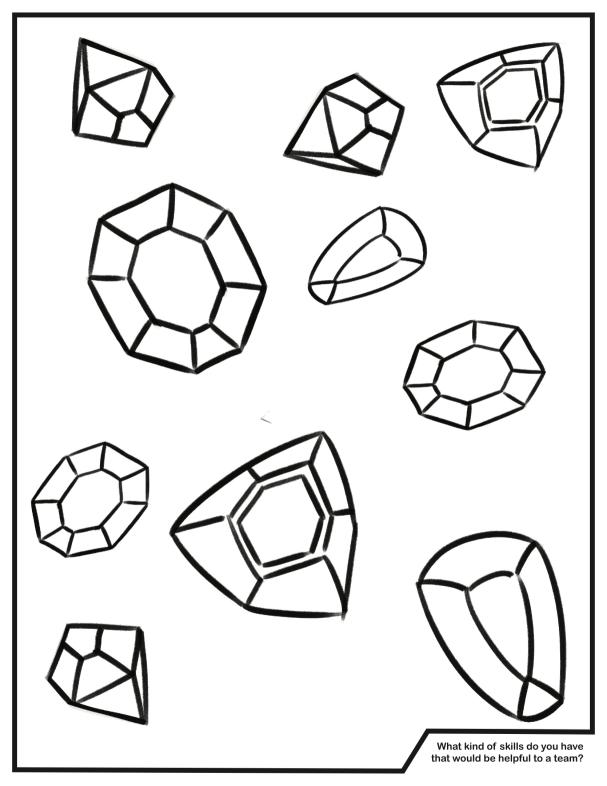
UT

They found out that fake diamonds were a great way to make drilling and cutting rock and metals easier. The synthetic diamonds were also used to make better hips when people needed to replace worn out hip bones.





Today the diamond-coated drill bits are being used by one of Bill's companies to drill for water for communities in Kenya where they need fresh drinking water. Team work is really important in having good ideas that make great inventions!



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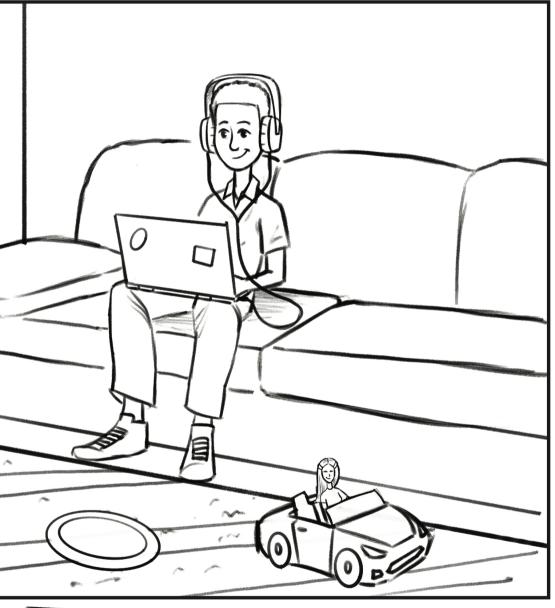


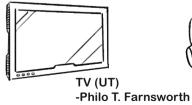


Atari (UT)

Frisbee (UT)
-Walter Morrison

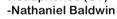
#### ou find in the scene below?







Headphones (UT)
-Nathaniel Baldwin





**First Monopoly Game** -Elizabeth Magie



The STEM Action Center is Utah's partner in promoting Science,
Technology, Engineering and Math education through the
identification and support of best practices and leveraging of
resources across education, industry, government and community
partners to support economic prosperity.