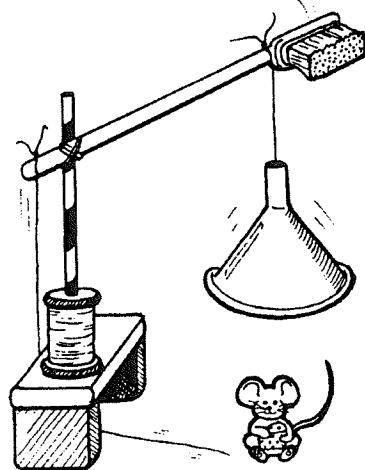


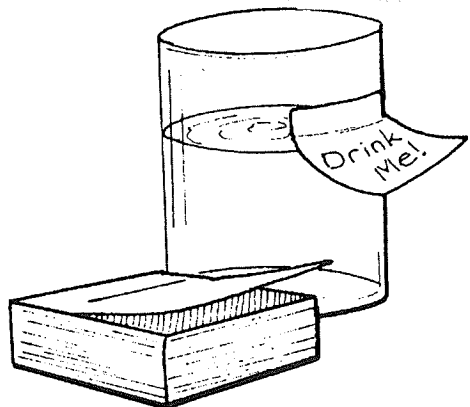
It Takes All Kinds

8th grade Only
• Cut out &
Assemble
• Add your responses

Invention Booklet



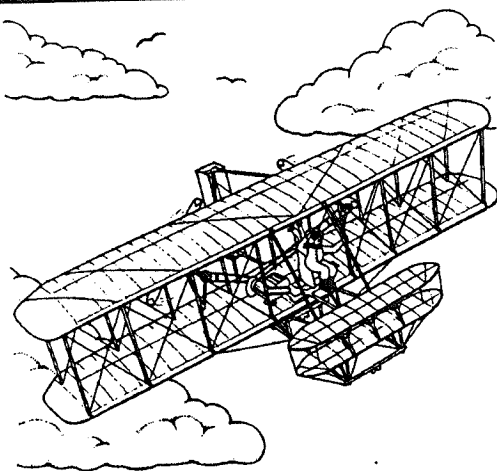
This booklet belongs to _____



A Failed Invention That Succeeded

Post-it Notes® have become a necessity in the business world. That little piece of paper that can be attached to another and easily removed is indispensable to all who like to add a note to a finished paper. The glue that makes it possible was at first considered a failure because it didn't stay attached permanently. Think of as many uses as you can for the Post-it Note®.

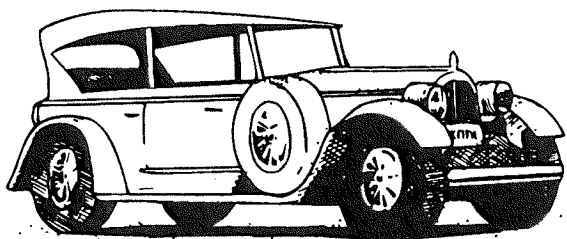
2



An Invention That Changed the World

The Wright Brothers invented a way to fly. Soon it affected many areas of our lives. Mail traveling great distances could be delivered in a few days. People could travel to places it would have taken months to get to before. In what other ways has the invention of the airplane changed the world?

3

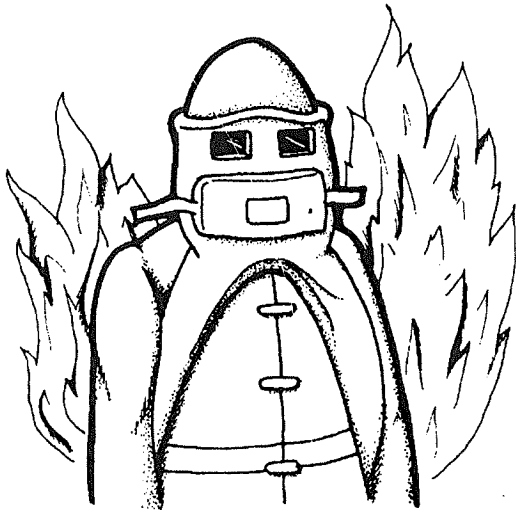


An Invention That Revolutionized Industry

Henry Ford invented the assembly-line method of production. Each person did one part of the whole job. As a result, the car could be built in a much shorter time. In what other areas of industry does the assembly line help in the manufacturing process?

4

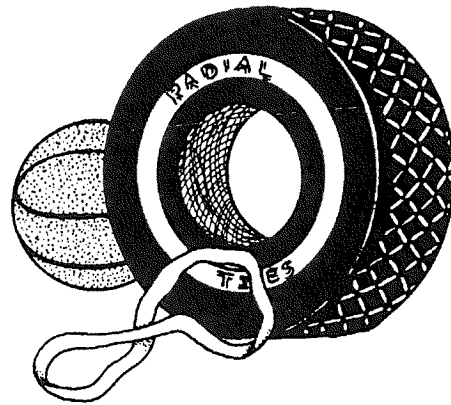
It Takes All Kinds (cont.)



An Invention That Saved Lives

In the early 1900's, Garrett A. Morgan invented a safety hood that supplied clean air from an air bag attached to the wearer. It prevented suffocation from gases and smoke. In what occupations today do people use protective masks or suits? Why?

5



An Invention by Accident

Rubber was known about for one hundred years, but it became soft and sticky in hot weather and hard and brittle in cold temperatures. Charles Goodyear experimented but couldn't find a solution until the day he accidentally dropped a mixture of rubber and sulfur onto a hot stove. He had found the correct formula! How many products can you name that are made from rubber?

6



An Invention from Observation

Clarence Birdseye was a fur trader who lived with the Eskimos in 1914. He watched them catch fish and store them outside in the frigid, dry air. Months later the fish would be thawed and then cooked. They tasted as if they had just been caught! When he returned to the United States, he began to experiment until he perfected a quick freezing method to preserve foods. What kinds of food products can be frozen? Which products do not freeze well?

7



An Invention on a Bet

In 1849, Walter Hunt owed a man fifteen dollars. The man said he would cancel the debt and pay Walter Hunt an additional four hundred dollars if Hunt could invent something from a piece of wire. Three hours of twisting resulted in the invention of the safety pin! Why do you think it was called a safety pin? Can you invent something new from the common safety pin?

8

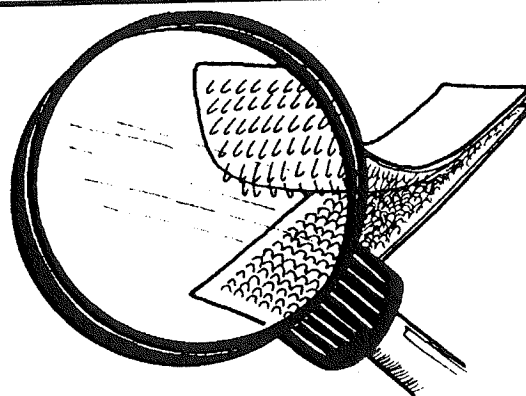
It Takes All Kinds (cont.)



An Invention from Cooperation

At the St. Louis Fair in 1904, two neighboring vendors had problems. One vendor's cookies weren't selling and the other had run out of dishes for serving his ice cream. The cookie vendor rolled his product into a cone and the ice cream vendor put ice cream into it. And so, the ice cream cone was born! What is your favorite flavor of ice cream?

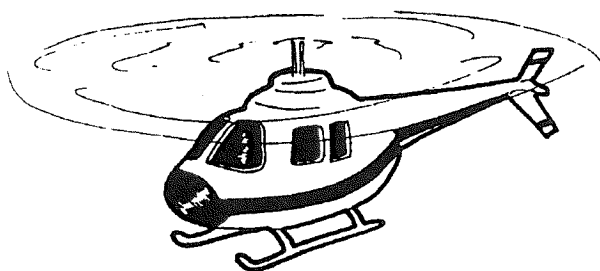
9



An Invention from Nature

In 1948, George deMestral took a hike in the Swiss Alps. Seed pods called burrs stuck to his clothing. He wondered why and he wanted to know how. Looking closely, he saw tiny hooks that clung to the threads in his clothes. Eight years of working resulted in Velcro®, a fastener used today for everything from shoes to hanging pictures. Name some items with Velcro® attachments that you have at home.

10



An Invention from Vision

Leonardo da Vinci invented a helicopter four hundred years before it was possible to build it. The helicopter, and da Vinci's invention of a parachute and an ornithopter existed only as drawings because the materials and equipment to build them did not exist during da Vinci's lifetime. Design a mode of transportation for the future.

11



An Invention by a Child

Chester Greenwood hated to have cold ears! He invented the earmuff to keep his ears warm while ice skating. If you could invent something that would help to make life a little more comfortable for children, what would it be?

12