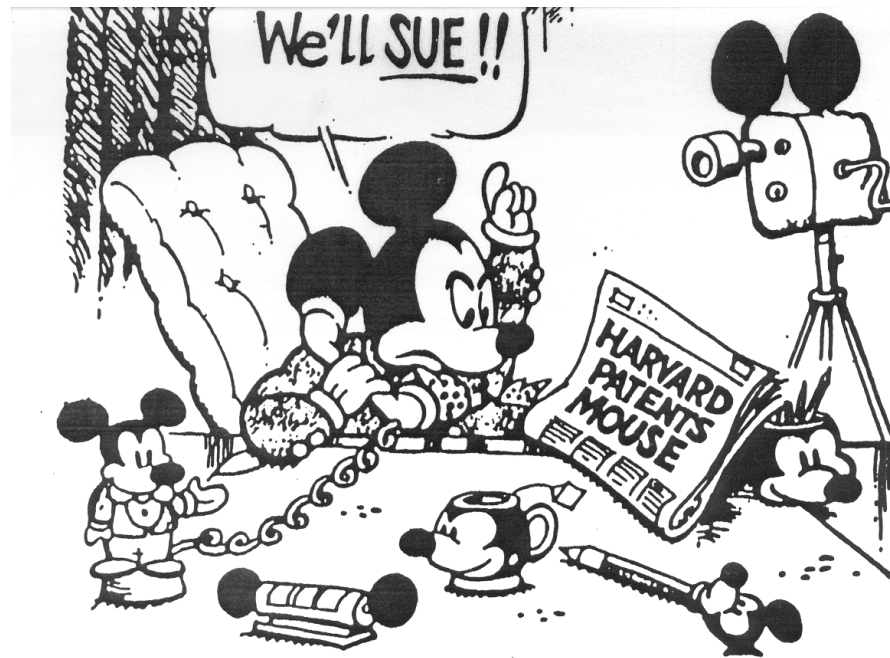


Inventions & Patents for Kids

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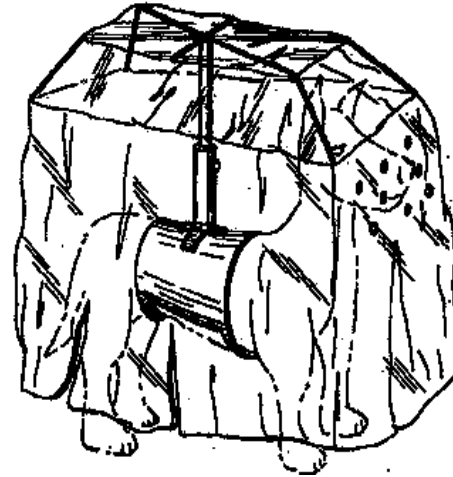


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Business Week, May 2, 1988

What is the difference between an invention and a patent?

Some Silly Inventions, but they are Inventions.

- Dog Umbrella



- Method of Breaking Free-Standing Rock



What makes an Invention an Invention?

- Utility –
- Novelty –
- Unobviousness –

What Does Obtaining a Patent Do for the Inventor?

- It gives the inventor the legal right to stop others from practicing her invention for 20 years.

How do we Invent Something?

- First, find a problem you want to solve.
Remember, an invention has to have utility.
- Second, create a solution based on new things.
Things being materials, methods or new combinations of old materials and methods.
Remember, an invention has to be novel & unobvious.
- Show that your invention will work. With words or build it!

Let's Invent Something!

- You are provided with a new material – elastomeric gel. I call it Flubber!
- You get a piece of Flubber.
- Let's talk about a few example inventions with Flubber.
- Find a problem to solve.
- Write up or build your invention.

Properties of Flubber

- It is much more squishy than any other elastomer/rubber-like material. 10 times more squishy.
- It is 70% mineral oil. Solid oil!
- It is sticky.
- It can be cleaned with soap and water.
- It can be melted to form different shapes. Must be melted in a non-oxygen environment. Don't do it at home!

My Invention – Page 1

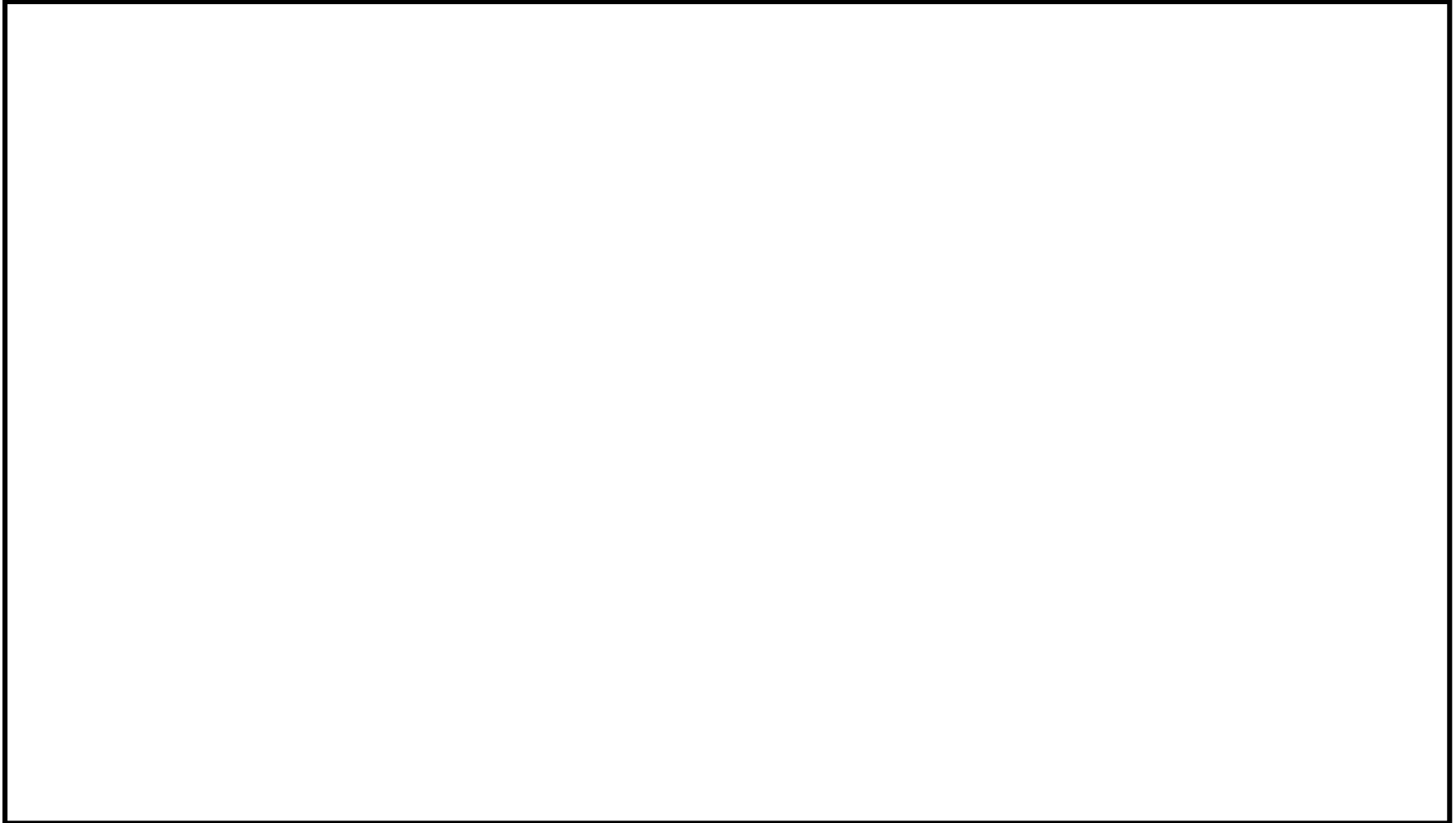
Title: _____

Inventor's name: _____

Description of Problem solved: _____

Description of my Invention: _____

Drawing of My Invention – Page 2



US Patent & Trademark Office

Website Assignment

- Task 1
 - Find a product with a US Patent number on it.
 - Go to www.uspto.gov , and using that US Patent number find the patent. Print out the summary of the patent and turn it in with your name on it. (Patents > Search > (enter Patent #) > print out summary of invention.)
- Task 2
 - Go to www.uspto.gov and follow these links (Patents > Resources... Inventor Resources > Brochures > General Information Concerning Patents.) Print out pages 1 through 2 of brochure and read them. Answer the following question and turn in. **“What are the 3 types of patents?”**

Grade School Assignment

- Do all three of the following:
 - 1) Use a dictionary to provide definitions for utility, novelty and unobviousness. Fill out page 3 with definitions.
 - 2) Do Internet assignment at US Patent and Trademark Office website. See previous page.
 - 3) Invent something. I suggest you try and use flubber, but any invention is great! You do not need to build your invention. It's fun though! Fill out pages 8 and 9. (Inventors will get certificates!)
- Due in three weeks.

Some Quotes from Great Inventors

- **Alexander Graham Bell**
- When one door closes another door opens; but we often look so long and so regretfully, upon the closed door that we do not see the ones which open for us.
- **George Washington Carver**
- How far you go in life depends on your being tender with the young, compassionate with the aged, sympathetic with the striving and tolerant of the weak and strong. Because someday in your life you will have been all of these.
- Anything will give up its secrets if you love it enough. Not only have I found that when I talk to the little flower or to the little peanut they will give up their secrets, but I have found that when I silently commune with people they give up their secrets also - if you love them enough.
- **Thomas A. Edison**
- Just because something doesn't do what you planned it to do doesn't mean it's useless.
- Many of life's failures are people who did not realize how close they were to success when they gave up.
- Opportunity is missed by most people because it is dressed in overalls and looks like work.
- There is no expedient to which a man will not go to avoid the labor of thinking.
- We don't know a millionth of one percent about anything.
- Genius is one percent inspiration and ninety-nine percent perspiration.
- To invent, you need a good imagination and a pile of junk.
- **Benjamin Franklin**
- Be civil to all; sociable to many; familiar with few; friend to one; enemy to none.
- Employ thy time well, if thou meanest to get leisure.
- He that is of the opinion money will do everything may well be suspected of doing everything for money.
- Hide not your talents, they for use were made. What's a sun-dial in the shade?
- There never was a good war or a bad peace.
- If a man empties his purse into his head, no man can take it away from him. An investment in knowledge always pays the best interest.
- **Albert Einstein**
- Everything should be made as simple as possible, but not one bit simpler.
- Two things are infinite: the universe and human stupidity; and I'm not sure about the the universe.
- I never think of the future - it comes soon enough.
- If the facts don't fit the theory, change the facts.
- If you are out to describe the truth, leave elegance to the tailor.
- Imagination is more important than knowledge

Certificate for Student Inventors

No.

001

INVENTOR: MRS. CAMMIE BURLISON, GRADE 5 SCIENCE TEACHER

INVENTION: FLUBBER ACTUATED STUDENT SILENCING APPARATUS

*Let it be known by the presence of this document
that St. Paul Lutheran School, Ogden Utah
has recognized this inventor's original creation
with the granting of a St. Paul Patent Certificate*

Date: February 19, 2004

Attesting Officer

