

What is a ***Chain Reaction***?

Chain reaction:

a series of events each caused by the previous one; a number of events triggered by the same initial event

There are some

Artists

who have used the
concept or idea of a

chain reaction

as a form for making their art...

Rube Goldberg, American cartoonist, sculptor and inventor

born 1883; died 1970

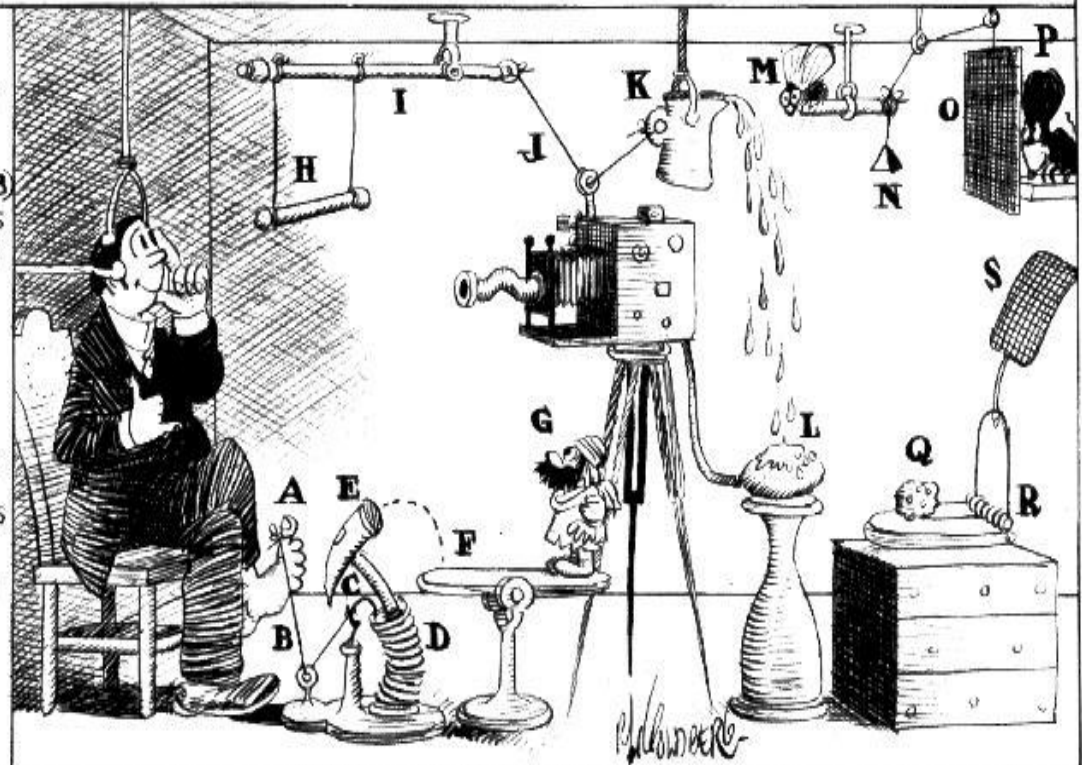
Goldberg was an **artist** who invented
wacky chain reactions to do very simple
tasks...

Taking a “selfie”!

Simple Way to Take Your Own Picture by Rube Goldberg

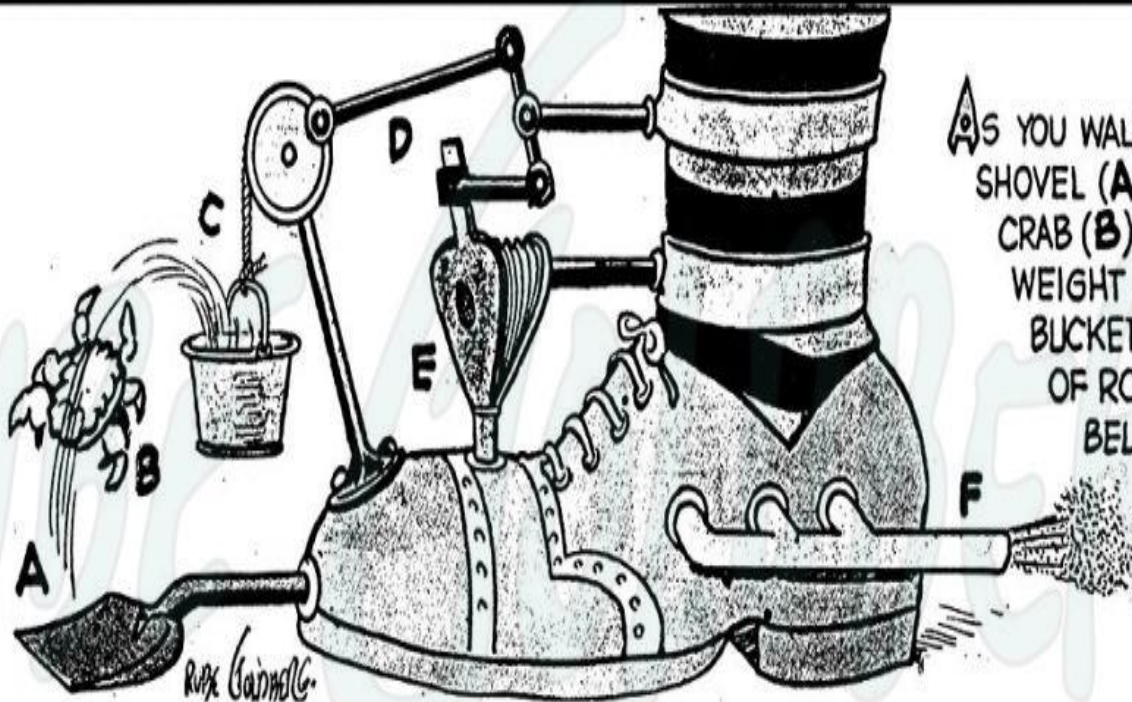
PROFESSOR BUTTS GOES OVER NIAGARA FALLS IN A COLLAPSIBLE ASH-CAN AND HITS UPON AN IDEA FOR A SIMPLE WAY TO TAKE YOUR OWN PICTURE.

WIGGLE BIG TOE (**A**), PULLING-STRING (**B**) AND RAISING HOOK (**C**), WHICH RELEASES SPRING (**D**) AND CAUSES HAMMER (**E**) TO STRIKE PLATFORM (**F**) AND CATAPULT ARABIAN MIDGET (**G**) TO TRAPEZE (**H**). WEIGHT OF ARAB CAUSES BAR (**I**) TO TILT AND PULL CORD (**J**), WHICH UPSETS PITCHER OF SYRUP (**K**). SYRUP DRIPS ON CAMERA-BULB (**L**) ATTRACTING HUNGRY FLY (**M**) WHICH SWOOPS DOWN, ALLOWING WEIGHTED END OF BAR (**N**) TO LIFT SCREEN (**O**) WHICH HAS BEEN SHUTTING OFF VISION OF MOUSE (**P**). MOUSE SEES CHEESE (**Q**) AND JUMPS. TRAP (**R**) SNAPS, CAUSING SWATTER (**S**) TO SWAT FLY THEREBY SQUEEZING BULB & TAKING PICTURE. IF PICTURE IS NO GOOD DON'T BLAME IT ON INVENTION. IT'S THE WAY YOU LOOK.



WEEKLY ADVENTION

HOW TO
GET
SAND
OUT OF
YOUR
SHOES ~

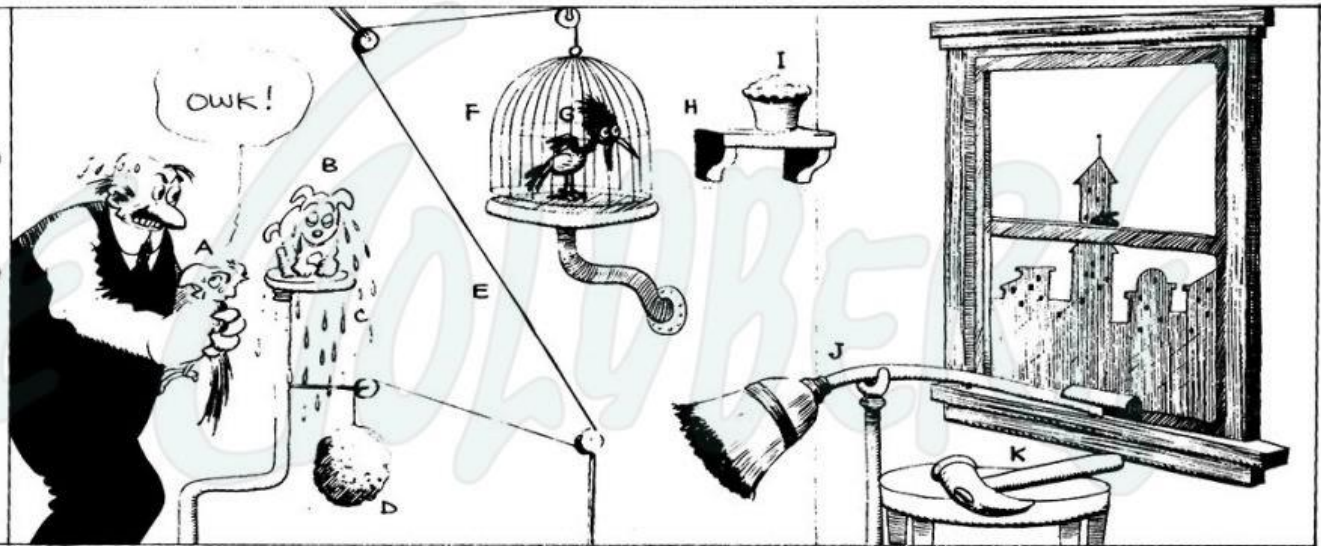


AS YOU WALK ON BEACH, SMALL
SHOVEL (A) TOSSES
CRAB (B) INTO BUCKET (C) ~
WEIGHT OF CRAB LOWERS
BUCKET, CAUSING SERIES
OF RODS (D) TO PUMP
BELLOWS (E), BLOWING
SAND OUT OF
SHOE THROUGH
EXHAUST PIPE (F) !

Simple Way to Open A Tight Window

AFTER TRYING UNSUCCESSFULLY TO OPEN WINDOW FOR HALF AN HOUR, YOU RELIEVE YOUR ANGER BY CHOKING PARROT (A) - DOG (B) HEARS PARROT'S GROANS AND WEEPS OUT OF SYMPATHY-TEARS (C) SOAK SPONGE (D), CAUSING ITS WEIGHT TO PULL STRING (E) WHICH LIFTS TOP OFF CAGE (F) AND RELEASES WOODPECKER (G) - WOODPECKER CHEWS AWAY SHELF (H) AND HEAVY BISCUIT (I) FALLS ON BROOM-HANDLE (J), CAUSING IT TO ACT AS LEVER IN RAISING WINDOW - AFTER REPEATING THIS OPERATION SIX TIMES WITHOUT SUCCESS, TAKE HAMMER (K) AND BREAK GLASS IN WINDOW, ALLOWING FRESH AIR TO ENTER ROOM.

Ch. Gorman Co.



Check out
these inventions people have made
inspired by Rube Goldberg's *chain
reaction* inventions !

<https://www.rubegoldberg.com/rube-tube/>

**"World's Slowest Rube Goldberg/Field Day
Presents Bob Partington"

Peter Fischli & David Weiss,
Swiss **artists** who work as a team

The Way Things Go

is an artwork they made that is called a *kinetic installation*. It is a 31 minute ***chain reaction*** that is shown on video and it is all about making things MOVE = KINETIC.

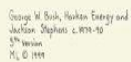
2 minute excerpt from

The Way Things Go---

<https://www.youtube.com/watch?v=s-dndbRAr30>

Mark Lombardi, American
born 1951; died 2000

Artist who used the idea of **chain reactions** to
make drawings showing how money and
political influence have been used unjustly...



What ***chain reactions*** could you show that have lead to the endangerment of your species?

DRAWING...

Using CIRCLES and LINES, like Mark Lombardi,
show a ***chain reaction*** that has lead to the
endangerment of your species...

*What will you put in the circles?

*Symbols?

*Words?

?

Steps:

1. Name on the back.
2. Find unique and interesting way to create your **chain reaction...**
3. Plan it out.
4. Fill in the rest of the sheet using lines and color.
5. Have fun with the process!!!!