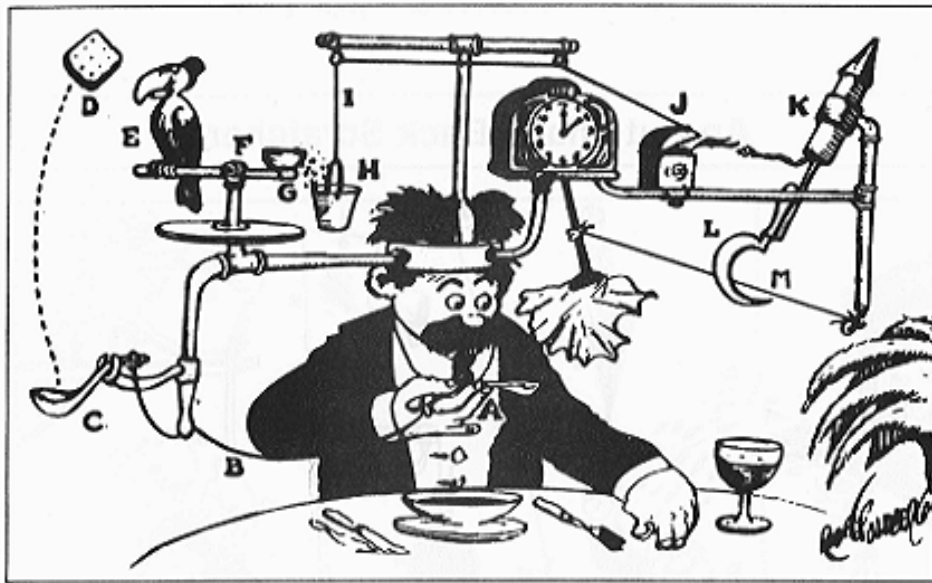


Self-Operating Napkin



RUBE GOLDBERG & NEWTON'S THREE LAWS

RUBE GOLDBERG CHALLENGE

Rube Goldberg was an engineer and a Pulitzer Prize winning cartoonist who lived in San Francisco during the early part of the 20th Century. He was best known for his whacky cartoon inventions that did a small job in a really convoluted way. So, a **Rube Goldberg machine** is a deliberately complex contraption in which a series of devices that perform simple tasks are linked together to produce a domino effect in which activating one **device** triggers the next **device** in the sequence.

YOUR TEAM's Challenge is to plan, design, and build a cooperative Rube Goldberg machine on the back wall of the Division 11 classroom Featuring NEWTON's THREE LAWS. Your machine will connect with other team's machines to create a classroom RUBE GOLDBERG machine.

RUBE GOLDBERG
MACHINE WILL:

Have at least four
transitions

Be able to transport
a pingpong ball
through from entry
to exit

Connect to other
team's machine

LABEL at least one of
each of Newton's
Three Laws

STUDENTS WILL BE
ASSESSED ON
Planning

Teamwork

Creativity

And

Engineering success

