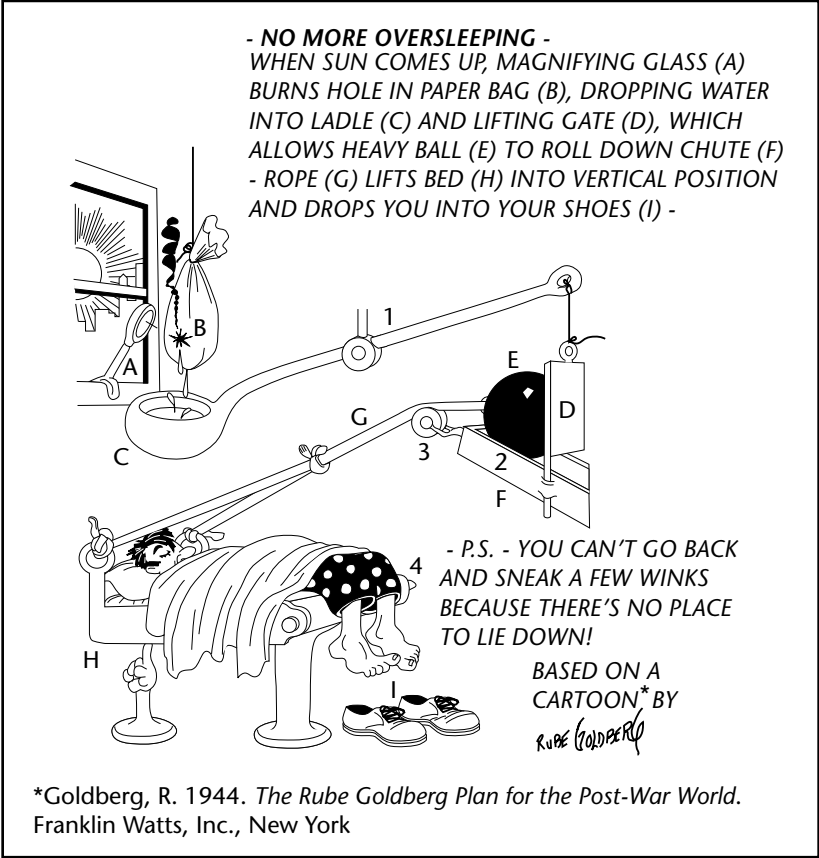


**Work and Machines** ▪ *Enrich*

# Really Compound Machines

Compound machines are made up of several simple machines, working together. Scientists and people who build things, however, are not the only people interested in compound machines. During the 1940s, the cartoonist Rube Goldberg became famous for his humorous cartoons of compound machines. These machines were always ridiculously complicated, usually unnecessary, and often included things that you would never normally think would be part of a machine. In fact, people often refer to a machine or procedure that is more complicated than it needs to be as a “Rube Goldberg.” Here is an example adapted from his 1944 book: *The Rube Goldberg Plan for the Post-War World* (Franklin Watts, Inc., New York.)

Work and Machines



Answer the following questions on a separate sheet of paper.

Identify the types of simple machines at the locations marked in the cartoon:

1. Location 1:
2. Location 2:
3. Location 3:
4. Location 4:
5. What type of lever is the lever at Location 1?
6. What working parts of this compound machine are definitely not one of the simple machines described in the chapter?