

Rube Goldberg Machine Design Project

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Outline

- Introduction (Design objectives and criteria)
- Analysis
 - Discuss top candidates generated in the brainstorming
 - Factors that led to the prototype design
- Prototype Construction
 - Prototype design
 - Performance at failure and score

- Performance Results and Discussion
- Conclusion and Recommendations

Introduction

This section briefly lays out the problem and the requirements (I.e. specifications and constraints). It should end with a goals/objectives statement. After this section, the reader should know in broad terms what you were trying to do and your goal in doing this.

Design Alternatives

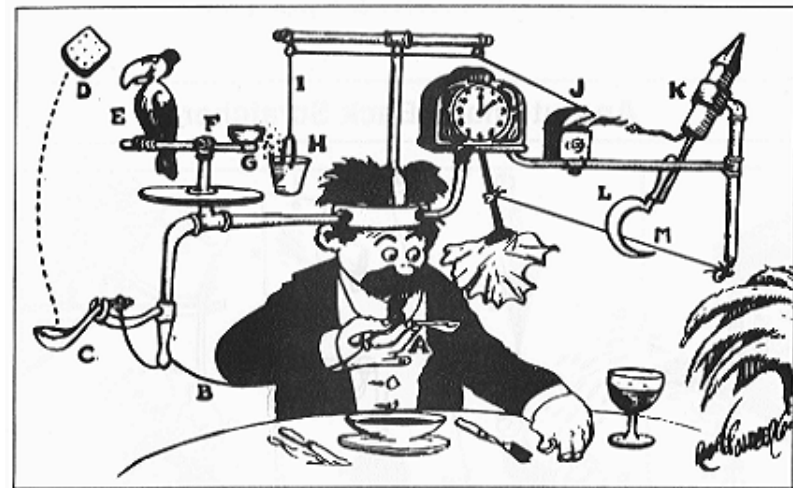
- Discuss top candidates
generated in the
brainstorming
- Factors that led to the
prototype design

Prototype Design

This section presents details on prototype design. Here you need drawings that describe the exact shape of the cuts, angles, etc., How will the pieces be join together? In what order will they be assembled?

drawing

Self-Operating Napkin



Prototype Performance and Score

- Discuss performance at failure, and its score. Discuss whether if failed as you expected.

Drawings, plots
or equation

Conclusion & Recommendations

- Bring out the major points you feel worth emphasis. Discuss what you would recommend to be done next to make further improvements to the design
- This section should be a brief, bottom-line summary. You generally don't bring anything new into a conclusion. Instead, this simply restates the key points from the body of the report.