
Manual of Rube Goldberg Machine for Study Room

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Abstract

A Rube Goldberg machine is a intentionally over-designed complex device, which involve a series of units or "complications" that linked together and then trigger one after another with a simple task finished at the end. Our machine is designed for the study room and for the people who enjoy reading. It is able to switch on the light, flip pages of a book and make a tea for the user, with only one trigger. This manual will present you the all the complications in this machines and how to build them.

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1 Introduction

2 Build the Machine

2.1 Framework

2.1.1 The Wooden Framework

2.1.2 The Aluminum Framework

2.2 The Part A in Wooden Framework

This half of the mechanism involves following complications: the page flipper, the space rail A and rail B, the light and the pullswitch.

2.2.1 The light and the pullswitch

2.2.2 The Page Turner

2.2.3 The space rail

2.2.4 Ropeway

2.3 The Part B in the Aluminum Framework

2.3.1 The Device of Boiling and Pouring Water

2.3.2 The Pulley Block and its Installation

2.3.3 The Hydraulic Device and its Installation

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2.3.6 The Installation of the

3 Testing and Preparing