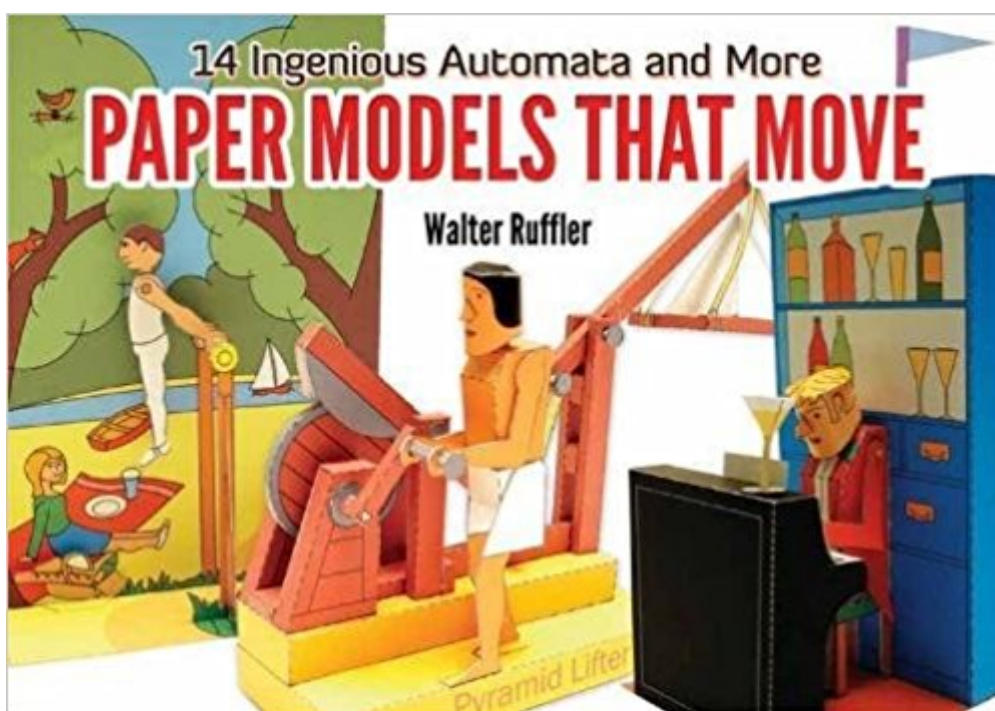


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# Paper Models That Move: 14 Ingenious Automata, And More (Dover Origami Papercraft) (English And English Edition)



## Synopsis

Enter the world of animated paper engineering with these 14 whimsical projects for making automata out of cardstock. Well-illustrated directions explain the use of levers, gears, cranks, and other devices and—precise cut-and-assemble components—put these ingenious paper "whirligigs" within reach of papercrafters of modest skill and experience.

## Book Information

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## Customer Reviews

Walter Ruffler's models ran the gamut in this book; some are fairly easy to assemble while others can be quite fiddly, especially if you are new to automata or papercraft. I used some of these successfully with middle school aged students (11-14) but the models operated by gravity-fed sand proved too much of a challenge for them. Ruffler's finished models are charming, as always; just be prepared for the detail work involved in getting the mechanisms aligned and operating smoothly.

I bought this as a homeschooling project for my 10 yo son to learn basic mechanics, and to work on his fine motor skills (cutting, folding), as well as his attention to detail following the directions. The first part of the book gives an overview of each of the mechanical principles involved. Perfect for us! Not textbooky, easy to understand, and set in the context of the paper models. Next are the instructions, which were perfect! After trying some origami books where the instructions left us scratching our heads in puzzlement, this was a very-well appreciated feature. The models

themselves are well-laid out on pages, and each part is labeled. I enjoyed the precision involved with making the fiddly bits, but it was beyond the skill of my 10yo (often sharp folds needed 1/4" apart). I would recommend this to any adult who enjoys fine handwork, and to middle schoolers who want a more interesting and relevant way to learn mechanical physics. (I think high school physics requires more formulas and mathwork.) If your child has a meticulous nature, and experience with these sorts of projects, it might be alright for someone a little younger. Or with a parent who doesn't mind doing most of the cutting and making. :) I paid full price for this product. No nonsense about discounts for so-called unbiased opinions.

I bought this for a Christmas present for grandchildren. Haven't given it to them yet. Hope I can keep from putting it together myself. Looks like fun.

its ok. the projects look cool but the cutouts are impossible, unless you plan on a full day for one project.

Thanks, my cousin teaches children and she plans to use them in class.

Bought this for a group of 10-12 year olds, and they were difficult. Many small pieces to cut out and assemble, but directions were well written. Most of the models involve making some type of crank, but there is at least one (we didn't complete all of them) that requires "sand" - and we never could get that one to work. The other ones worked well and were worth the time invested. I would recommend these more for adults or very detail-oriented older kids/adolescents.

This book was worth every penny spent on it ,I have completed 4 projects which are a joy to make,I can appreciate the work that went into producing the book,well done Walter

I made a few of these moving paper models. The instructions are clear, but detailed. If you enjoy learning about gears and how things move, this is a great book to introduce you to the world of Automata.

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