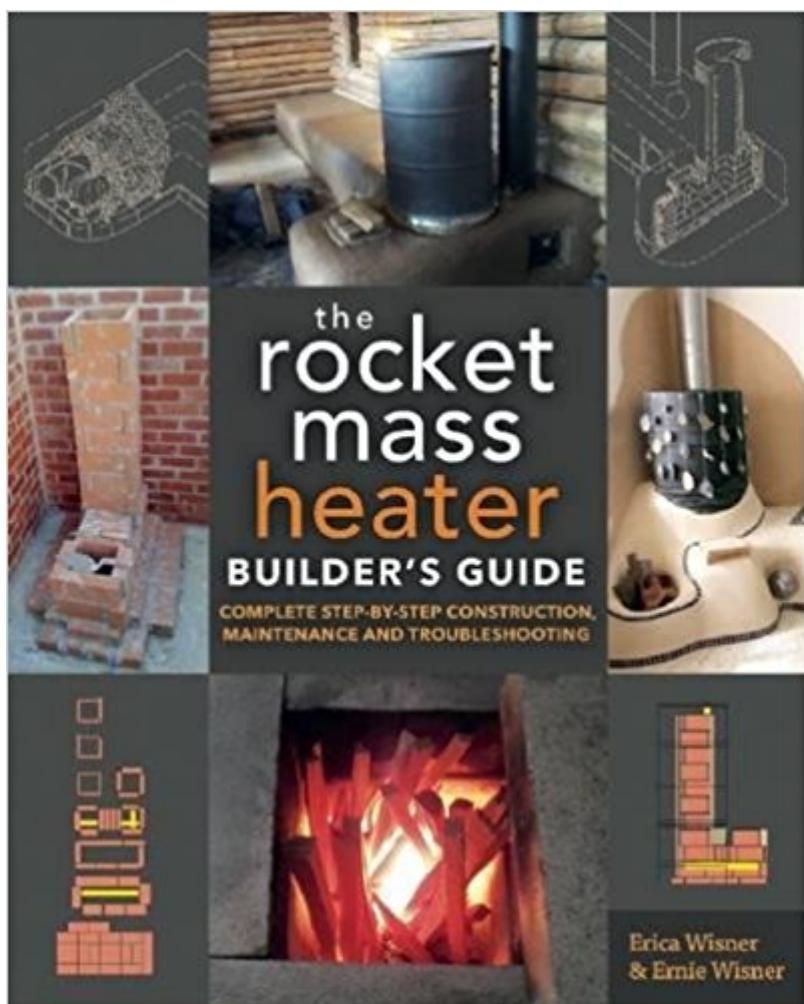


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The Rocket Mass Heater Builder's Guide: Complete Step-by-Step Construction, Maintenance And Troubleshooting



Synopsis

Heating with wood is often considered a natural and economical alternative to electricity or fossil fuels. However, even with a fairly new and efficient woodstove, many cords of wood are required for burning over the course of a single winter, and incomplete combustion can contribute to poor air quality. A rocket mass heater is an earthen masonry heating system which provides clean, safe, and efficient warmth for your home, all while using 70 to 90 percent less fuel than a traditional woodstove. These unique and beautiful installations provide luxurious comfort year round. In cold weather a few hours of clean, hot burning can provide twenty or more hours of steady warmth, while the unit's large thermal mass acts as a heat sink, cooling your home on sizzling summer days.

Packed with hard-to-find information, *The Rocket Mass Heater Builder's Guide* includes: Comprehensive design, construction, and installation instructions combined with detailed maintenance and troubleshooting advice Brick-by-brick layouts, diagrams, and architectural plans augmented with detailed parts drawings and photographs for clarity Relevant and up-to-date code information and standards to help you navigate the approval process with local building departments Earthen masonry heating systems are well-suited for natural and conventional builders alike. A super-efficient, wood-burning, rocket mass heater can help you dramatically reduce your energy costs while enhancing the beauty, value, and comfort of your home. Erica Wisner and Ernie Wisner have built over seven hundred super-efficient, clean-burning masonry stoves. They are dedicated to the search for sustainable solutions and the hands-on teaching of creative, ecological, and practical skills.

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Customer Reviews

Finally -- a comprehensive book about rocket mass heaters! This should put an end to the freak shows of flaming death showing up on YouTube mislabeled as rocket mass heaters. And put an end to getting the same questions asked over and over again. We can start every answer with: “Have you read *The Rocket Mass Heater Builder's Guide*?Ã¢â€”Paul Wheaton, founder of [Permies.com](#) online community

Eagerly awaited by homesteaders both urban and rural, appropriate tech folks, and do-it-yourselfers of all stripes, *The Rocket Mass Heater Builder*'s Guide is a comprehensive, well-researched, and clearly illustrated manual on one of the most exciting home-heating concepts to come along in decades. The book is firmly grounded in the authors' many years of experience, will save every builder vast amounts of toil and frustration, and paves the way to a home-heating system that is clean burning, marvelously fuel efficient, and a pleasure to live with. Rich in detail without being overwhelming, this book is an essential addition to every homesteader's and builder's library.---Toby Hemenway, author, *Gaia's Garden* and *The Permaculture City* An advanced companion to *Rocket Mass Heaters: Superefficient Wood Stoves You can Build and Snuggle Up To*. The second, more comprehensive work on revolutionary wood heating; thorough, technically advanced, comprehensive, well thought-out by the experienced masters of rocket stoves.---Ianto Evans, director and founder, Cob Cottage Company, inventor of Rocket Mass Heaters and Lorena StovesDrawing on the centuries-old tradition of masonry stoves and heaters, the "rocket" mass heater offers a modern, fuel-efficient way to heat a home with wood. This Guide represents more than ten years of collaboration and lessons learned from hands-on building and experimentation. The result is a frank, practical and detailed discussion of design and construction, pros and cons, and helpful anecdotal stories. While passionate about empowering the owner-builder, the authors also address code compliance and stress fire safety.---Catherine Wanek, author/photographer, *The New Strawbale Home* and *The Hybrid House*, and co-author, *The Art of Natural Building*In *The Rocket Mass Heater Guide*, Erica and Ernie Wisner have distilled the best, most tried-and-true design for efficient, low-cost, low-effort, carbon-neutral, regenerative home heating. Undoubtedly people will continue to experiment, but it will be hard to improve upon the wisdom of this book — what works, what doesn't and why.---Albert Bates, author, *The Biochar Solution*You will be happy to own this book for years and years to come! There are life-changing secrets inside of Erica

and Ernie Wisner's most remarkable book, ways of understanding how to live better, more simply, and more beautifully while also being more snuggly and cozy that you ever thought possible!---Mark Lakeman, co-founder, City Repair and design director, communitectureOver the years, a handful of dedicated practitioners and authors have helped the natural building movement advance their craft based on solid engineering and experimentation. The authors are among that elite and vital group, and this book is a must-read for anyone who longs for practical, detailed knowledge on rocket mass stoves based on extensive experience.---Dan Chiras, Ph.D., director, The Evergreen Institute and author, *The Natural House* and *The Homeowner's Guide to Renewable Energy*Biomass energy is sensible when used super-efficiently and locally -- which is the point of this book. Folks who live in cooler climates can benefit enormously from this simple, do-it-yourself technology.---Richard Heinberg, Senior Fellow, Post Carbon InstituteThe Rocket Mass Heater Builder's Guide provides a remarkable amount of detail for designing, building and using these elegant and efficient space heaters. In a world of ever-diminishing resources, growing populations and changing climates, safe, efficient and low-cost solutions to space-heating without fossil fuels are vitally needed. I have long planned to build a high mass rocket stove in my bioshelter/ greenhouse to replace our woodstove. After reading this book, I feel inspired and feel confident to do it.---Darrell E. Frey, author, *Bioshelter Market Garden: A Permaculture Farm*Finally -- a comprehensive book about rocket mass heaters! This should put an end to the freak shows of flaming death showing up on YouTube mislabeled as rocket mass heaters. And put an end to getting the same questions asked over and over again. We can start every answer with: "Have you read The Rocket Mass Heater Builder's Guide?" ---Paul Wheaton, founder of *Permies.com* online communityEagerly awaited by homesteaders both urban and rural, appropriate tech folks, and do-it-yourselfers of all stripes, The Rocket Mass Heater Builder's Guide is a comprehensive, well-researched, and clearly illustrated manual on one of the most exciting home-heating concepts to come along in decades. The book is firmly grounded in the authors' many years of experience, will save every builder vast amounts of toil and frustration, and paves the way to a home-heating system that is clean burning, marvelously fuel efficient, and a pleasure to live with. Rich in detail without being overwhelming, this book is an essential addition to every homesteader's and builder's library.---Toby Hemenway, author, *Gaia's Garden* and *The Permaculture City* An advanced companion to *Rocket Mass Heaters: Superefficient Wood Stoves You can Build and Snuggle Up To*. The second, more comprehensive work on revolutionary wood heating; thorough, technically advanced, comprehensive, well thought-out by the experienced masters of rocket stoves. ---Ianto Evans,

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Ã¢â€¢ what works, what doesn't and why.---Albert Bates, author, *The Biochar Solution*You will be happy to own this book for years and years to come! There are life-changing secrets inside of Erica and Ernie Wisner's most remarkable book, ways of understanding how to live better, more simply, and more beautifully while also being more snuggly and cozy that you ever thought possible!---Mark Lakeman, co-founder, City Repair and design director, communitectureOver the years, a handful of dedicated practitioners and authors have helped the natural building movement advance their craft based on solid engineering and experimentation. The authors are among that elite and vital group, and this book is a must-read for anyone who longs for practical, detailed knowledge on rocket mass stoves based on extensive experience.---Dan Chiras, Ph.D., director, The Evergreen Institute and author, *The Natural House* and *The Homeowner's Guide to Renewable Energy* Biomass energy is sensible when used super-efficiently and locally -- which is the point of this book. Folks who live in cooler climates can benefit enormously from this simple, do-it-yourself technology.---Richard Heinberg, Senior Fellow, Post Carbon InstituteThe Rocket Mass Heater Builder's Guide provides a remarkable amount of detail for designing, building and using these elegant and efficient space heaters. In a world of ever-diminishing resources, growing populations and changing climates, safe, efficient and low-cost solutions to space-heating without fossil fuels are vitally needed. I have long planned to build a high mass rocket stove in my bioshelter/ greenhouse to replace our woodstove. After reading this book, I feel inspired and feel confident to do it.---Darrell E. Frey, author, *Bioshelter Market Garden: A Permaculture Farm*

Home heating that's safe, clean, efficient, uses 70-90% less fuel than a typical woodstove; this book is an essential addition to every homesteader's and

builder's library. ¹ Toby Hemenway, author, *Gaia's Garden and The Permaculture City* The second, more comprehensive work on revolutionary wood heating; thorough, technically advanced, comprehensive, well thought-out by the experienced masters of rocket stoves. ² Ianto Evans, director and founder, Cob Cottage Company, inventor of Rocket Mass Heaters and Lorena Stoves HEATING WITH WOOD is often considered a natural and economical alternative to electricity or fossil fuels. However, even with a fairly new and efficient woodstove, many cords of wood are required for burning over the course of a single winter, and incomplete combustion can contribute to poor air quality. A rocket mass heater is an earthen masonry heating system which provides clean, safe and efficient warmth for your home, all while using 70-90% less fuel than a traditional woodstove. These unique and beautiful installations provide luxurious comfort year-round. In cold weather a few hours of clean, hot burning can provide 20 or more hours of steady warmth, while the unit's large thermal mass acts as a heat sink, cooling your home on sizzling summer days. Packed with hard-to-find information, *The Rocket Mass Heater Builder's Guide* includes: Comprehensive design, construction, and installation instructions combined with detailed maintenance and troubleshooting advice Brick-by-brick layouts, diagrams, and architectural plans augmented with detailed parts drawings and photographs for clarity Relevant and up-to-date code information and standards to help you navigate the approval process with local building departments. Earthen masonry heating systems are well-suited for natural and conventional builders alike. A super-efficient, wood-burning, rocket mass heater can help you dramatically reduce your energy costs while enhancing the beauty, value, and comfort of your home. ³represents more than ten years of collaboration and lessons learned from hands-on building and experimentation. The result is a frank, practical and detailed discussion of design and construction, pros and cons, and helpful anecdotal stories. While passionate about empowering the owner-builder, the authors also address code compliance and stress fire safety. ⁴ Catherine Wanek, author, *The New Strawbale Home* and *The Hybrid House*, co-author, *The Art of Natural Building* Distills the best, most tried-and-true design for efficient, low-cost, low-effort, carbon-neutral, regenerative home heating. It will be hard to improve upon the wisdom of this book. ⁵ Albert Bates, author, *The Biochar Solution* Erica and Ernie Wisner have built over 700 super-efficient, clean-burning rocket stoves and masonry heaters. They are dedicated to the search for sustainable solutions and the hands-on teaching of creative, ecological, and practical skills.

If you are looking for answers to all sorts of questions about building a Rocket Mass Heater, this is the book that you need to have on your bookshelf next to "Rocket Mass Heaters" by Evans /

Jackson. I love that Ernie and Erica also use drawings which make explanations very clear. This book will diminish the need of endless surfing and exploring the internet. Thank you!

This book and their DVD is very helpful in building and designing a rocket mass heater. As I venture into self-sufficiency, it makes sense to have a rocket mass heater in one's home should we lose electrical power or should something happen to the electrical grid. It makes me feel safe to know that I can do many things to protect myself and my family by learning from others. I love their pioneering spirits and the willingness to share it with us.

Full of info but a bit frustrating as reference for building. It is text book! Even with this book, I winged it mostly. I cannot definitely say anything was missing or overlooked only that I couldn't find any true directions to build from.

Well written, full of great advice and based upon practical experience. This is the single best hard copy reference of which I am aware for those wishing to build their own Rocket Mass Heater (RMH). It also provides many very useful resources, and an informative appendix. Highly recommended.

Excellent discussion of a rocket mass heater for your household. As many details as you need before you decide whether to build one in your home.

These authors have taken a difficult subject with many details that must be precise in the building of a rocket mass heater and made them completely understandable and actually something I am going to attempt. Great Job. I also enjoyed the youtube videos that have been presented by the authors which help in the understanding and construction of this great apparatus for heating just about any space.

easy step by step instructions with pictures, lots of critical dimensions you won't get anyplace else!

Excellent book! If u are into rocket mass heaters this is probably the bible you can't be without. Thank you Ernie and Erica

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