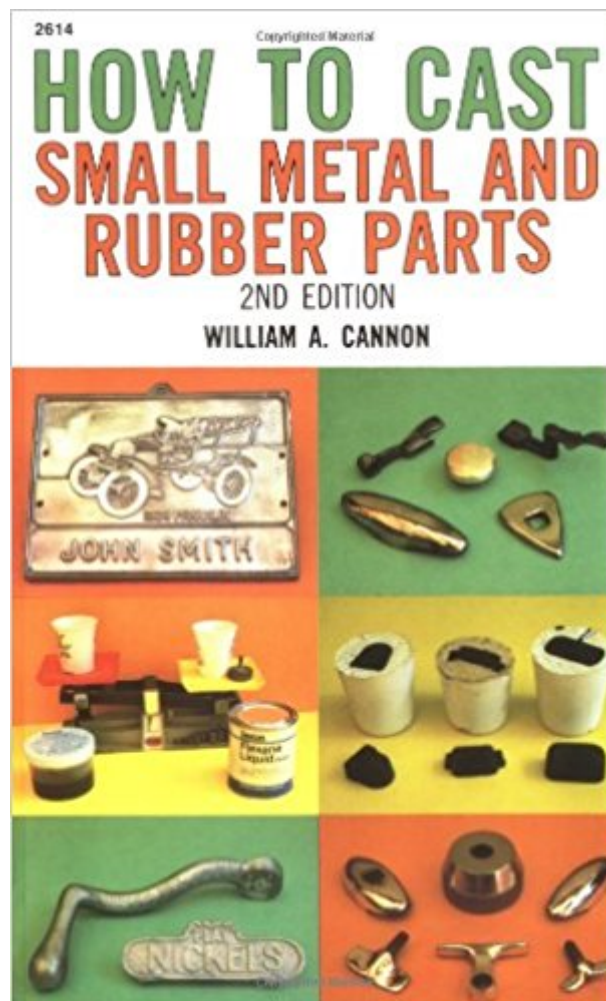




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# How To Cast Small Metal And Rubber Parts (2nd Edition)



## Synopsis

Helps you make high quality, defect-free castings for various purposes. This book covers use of obsolete or vintage car parts, hood ornaments, garden and fireplace tools, kitchen utensils, automotive parts, replacing broken antique parts, reproducing sculpture, and plaques.

## Book Information

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## Customer Reviews

A MAKE-YOUR-OWN GUIDE FOR HARD-TO-FIND SMALL PARTS! Using this excellent sourcebook as a guide, you can easily make high quality, defect-free castings for almost any purpose ... at amazingly low cost! Just some of the countless uses you'll find for this potentially profitable skill ... making obsolete or vintage car parts, hood ornaments, garden and fireplace tools, kitchen utensils, automotive parts, replacing broken antique parts, reproducing sculpture, plaques, and other art ... all kinds of decorative and useful objects for your own use or to sell! Writing in nontechnical language, author William Cannon provides all the instruction you need to cast any part ... putting an end to those long and often unfruitful scavenger hunts through shops, flea markets, and swap meets. This time- and money-saving second edition of the "bible" on casting small metal and rubber parts guides you through all the basics of foundry work. You'll learn how to reproduce or create new items of brass, bronze, or other metals ... or almost anything made of rubber. Cannon shows you how to organize your own home workshop -- the equipment you'll need, how much it costs, and how to set it all up! You can even open your own full- or part-time business. You'll discover which metal is better for certain jobs and why, how to choose molding sands, how to

design and produce molds, and how to repair castings. Plus information is included on coremaking, casting problems and their causes, finishing castings and correcting defects ... even chapters on grinding, polishing, and buffing. Plus the completely updated and revised information on casting rubber parts will bring up up-to-date on all the recent developments in polyurethane rubber.

William A. Cannon is Technical Editor of Skinned Knuckles Magazine, a monthly magazine for automobile collectors and restorers. He has spent over 30 years as a materials engineer and scientist in the chemical, automotive, and aerospace industries.

The overview of metal and rubber casting sections are solid and give you an idea of the scope and directions in which things can be done. It only goes into detail on sand-casting for metal objects, though, and I was really hoping for more detail on lost-wax casting, since the book points to it as another possibility for the hobbyist. Also, be aware that it is really written toward the hobbyist who is casting parts for restoring cars. Obviously, the information can be translated to other uses, but the writer will give examples focused around car parts and what metals work best for that, rather than other uses.

I bought the book to learn how to cast small low-temperature (pewter) objects and how to use modern materials such as silicone molds for cold casting. The book contains solid information but it is sadly rather dated (written in 1986). As such it has little to say about the modern mould-making materials or cold casting. It also deals mainly with high-temperature metals (aluminium, brass, bronze) etc. so I failed in my two primary aims. However, many of the techniques (sand casting) are still valid and as such are well explained. The black and white photos are not the greatest but not bad enough to detract from the information presented. All in all the material is well presented but to learn more modern methods one has to seek information elsewhere.

This book isn't very thorough, well illustrated or innovative. It is a mere how-to book, and does a basic job, nothing more. I failed to notice the book is from 1986 - although casting methods haven't changed much for hundreds of years, ways of explaining them must have. This book fails at this point, with ancient photos and outdated terms. It does give the basic explanations, processes and materials, so I wouldn't call it useless, but if you need to understand how to cast things, you are better off with books like "Practical Casting: A Studio Reference" by Tim McCreight or "The Prop Builder's Molding & Casting Handbook" by Thurston James (which is NOT a handbook - it's a

comprehensive, detailed and large format book!) - I own both of these books and they are far better than the book I just reviewed. maybe it's good as a historical reference, or for something specific about rubber/auto parts. for all other things related to casting - take my recommendation above.

I have a background in similar skills and I was interested in this book because I wanted a knowledge of working with rubber, but a better title would have been "How To Cast Small Metal And RUBBERY Parts". There is no coverage of actual rubber. So that being said, the book is very comprehensive and the author gives very accurate and easy to understand information. I recommend this book to anyone who wants to learn these skills, just know it covers urethanes as rubber and not rubber.

I know almost nothing about this subject, but this book changing that. There isn't a lot of fluffy writing in this book, it goes right to the meat of the subject - I really like that! I haven't finished reading the book yet, but I already know enough to get started on getting a metal casting shop assembled, and what is involved in the casting process...

Good information, experience is the teacher.

Not knowing anything about the subject I picked up this book and found it surprisingly fun to read and very informative. It tells you how to build your molds and some of the equipment needed or where to buy it. For a beginner it is an excellent book. One that will inspire one to try making something while clearly and simply outlining the procedures necessary. You will enjoy this short succinct book and the methods outlined.

I appreciated this book as a survey to considering the casting of brass parts. This book deals with heavier casting than I would be considering but provided good insight and demonstrated how to make my own kiln.

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