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# Make: Fire: The Art And Science Of Working With Propane



## Synopsis

Learn how to safely build projects that burn, poof, "boosh," and flare! This complete reference and hands-on guide to working with propane explains how to create a variety of flame effects projects that can be built with common tools and materials. Starting from the basics, this book explains everything you need to know to safely work with propane. An essential reference for building projects like fire cannons, forge torches and flaming sculpture, *Make: Fire* explains the history, chemistry, and combustion of propane. Using that knowledge as a foundation, readers can then construct a variety of flame-based project on their own using illustrated, step-by-step instructions provided by the author. With simple tools, you can build a gorgeous flambeau, a torch capable of melting aluminum, or flame effects that ignite jaw-dropping fireballs in the sky. Focusing on safety at every step and written by a licensed Flame Effects Operator, this book provides information that has never been brought together in one place. With this guide, readers will master the fundamental components of almost all propane-based projects and develop the skills they need to create their own flame devices and artworks.

## Book Information

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## Customer Reviews

[View larger](#) [Fire as a Medium](#) Author Tim Deagan on using fire for expression I joined a volunteer fire department when I was 16, after years in the Boy Scouts and on the Red Cross Disaster Action Team, so my love for fire started young. I even bought a fire engine and kept it at my house. Fire is a seductive, powerful, unforgiving, hypnotic force of nature. I burn propane in

100-pound quantities over the course of just a weekend. And while I've never lost my fascination with it, over the years I've wanted to better understand fire as a tool. I want to be able to use fire in very precise ways as a catalyst for creation and communication. Now, fire is as much a medium for me as metal or even software. Tim's Tips: Water and rust will accumulate shockingly fast in a disassembled flame effect. Buy a plug or cap for every open fitting to avoid grief. Avoid plastic-handled wire brushes with brazing or welding. Brushing the handle accidentally against the hot metal will leave a streak of melted plastic.

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