

## The Commitment Engine Making Work Worth It

"Making Jet Engines" presents a radical re-interpretation of the early history of the jet engine in Germany, Britain, and the United States and, through this, sets out a new account of the central features of twentieth-century invention. Hermione Giffard, without invoking foresight or conservative resistance to novelty, explores why individual firms decided not to develop jet engines, failed to do so, or succeeded, highlighting how each country pursued jet engines for reasons that reflected their particular war aims and industrial expertise. By beginning with production, the very structure of "Making Jet Engines" challenges the traditional way of telling stories of invention, for it focuses consecutively on production, development, inventive institutions, and, lastly, the celebrity of the jet engine's inventors, who she portrays as the employees that they were. By demonstrating the crucial importance of industry in the emergence of novelty, this is a game-changing book for anyone interested in technological invention today."

The Commitment Engine Making Work Worth It Portfolio (Hardcover)

A rich history of the unique relationship between life and work in an American factory town from 1840 to 1984, *A Place to Live and Work* tells the remarkable story of Henry Disston's saw manufacturing company and the factory town he built. The book provides a rare view of the rise of one of America's largest and most powerful family-owned businesses, from its modest beginnings in 1840 to the 1940s, when Disston products were known worldwide, to the sale and demise of the company in the postwar years. Henry Disston, however, not only built a factory; he also shaped Tacony, the town in northeastern Philadelphia where the workers lived. The book describes the company's interdependence with the community and profiles the lifestyle that grew out of Disston's paternalistic blueprint for Tacony. Using original letter books, shop committee meeting notes, photographs, and a wealth of other documents, Harry Silcox reveals Disston's highly sophisticated distribution and marketing system as well as a management system that, unlike the one advocated by Frederick Winslow Taylor, responded to the concerns of workers and foremen. Through two world wars, the Depression, and the rise of unions, Disston's innovative business practices enabled the company to remain active and strong even when factories across the nation were failing. This study raises important questions about the demise of the factory system and its impact on urban communities and family life. The Disston company provides one example of how people could work and live together successfully within the larger framework of the factory system.

The discovery of market needs and the manufacture of a product to meet those needs are integral parts of the same process. Since most textbooks on new product development are written from either a marketing or an engineering perspective, it is important for students to encounter these two aspects of product development together in a single text. *Product Design: Practical Methods for the Systematic Development of New Products* covers the entire new product development process, from market research through concept design, embodiment design, design for manufacture, and product launch. Systematic and practical in its approach, the text offers both a structured management framework for product development and an extensive range of specific design methods. Chapters feature "Design Toolkits" that provide detailed guidance on systematic design methods, present examples with familiar products, and conclude with reviews of key concepts. This major text aims to turn the often haphazard and unstructured product design process into a quality-controlled, streamlined, and manageable procedure. It is ideal for students of engineering, design, and technology on their path to designing new products.

"Theory and practical content that fulfills the requirements for the Master Level ASE Foundation Automotive Technology program accreditation. Designed primarily for post-secondary community college, apprenticeship, and private college automotive technology programs. Meets the ASE Education Foundation Accreditation standards. Dovetails with CDX Online learning management system, including over 1,000 videos and interactive animations. Part of a complete training curriculum"--

The objective of this book is to provide the fundamental building blocks of an MBA education so working professionals can become more effective in solving business problems.

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Reveals the secrets of companies who have inspired loyalty in customers and employees, demonstrating the importance of a single-minded company purpose while providing coverage of such topics as strategy, culture, and customer promise.

This landmark joint publication between the National Air and Space Museum and the American Institute of Aeronautics and Astronautics chronicles the evolution of the small gas turbine engine through its comprehensive study of a major aerospace industry. Drawing on in-depth interviews with pioneers, current project engineers, and company managers, engineering papers published by the manufacturers, and the tremendous document and artifact collections at the National Air and Space Museum, the book captures and memorializes small engine development from its earliest stage. Leyes and Fleming leap back nearly 50 years for a first look at small gas turbine engine development and the seven major corporations that dared to produce, market, and distribute the products that contributed to major improvements and uses of a wide spectrum of aircraft. In non-technical language, the book illustrates the broad-reaching influence of small turbines from commercial and executive aircraft to helicopters and missiles deployed in recent military engagements. Detailed corporate histories and photographs paint a clear historical picture of turbine development up to the present. See for yourself why *The History of North American Small Gas Turbine Aircraft Engines* is the most definitive reference book in its field. The publication of *The History of North American Small Gas Turbine Aircraft Engines* represents an important milestone for the National Air and Space Museum (NASM) and the American Institute of Aeronautics and Astronautics (AIAA). For the first time, there is an authoritative study of small gas turbine engines, arguably one of the most significant spheres of aeronautical technology in the second half of

A study that challenges established scholarship on the history of women's public activism.

This book provides the basis for thoughtful reflection and discussion of school accountability by critically examining Kentucky's groundbreaking educational reform strategy of statewide student assessment and teacher accountability.

This book began as an exploration of collaborative work organizations. We knew about people in various occupations who had gotten together to form organizations of equals to manage the settings within which they did their work. Among these organizations were a teacher-controlled public school, a fishermen's cooperative, a potters' studio, a public-interest advocacy group, and an architectural firm. We wondered how these groups functioned, and whether and how they contributed to making

