

George Daniels A Master Watchmaker His Art

"Watchmakers and Clockmakers of the World" is a comprehensive reference book of the most notable makers of clocks and watches in the world at the time when this book was first published. It is presented as a series of lists, each containing different information pertaining to the industry and the main companies involved in the manufacture of timepieces. Contents Include: "Conventions Abbreviations", "List of Names with Alternative Spellings", "List of Watch and Clockmakers", "List of Initials and Monograms", "List of Place Names", "Maps", etc. Many vintage books such as this are increasingly scarce and expensive. It is with this in mind that we are republishing this volume now in an affordable, modern, high-quality edition complete with a specially-commissioned new introduction on clockmaking. Time passes, time is captured, time flies-and in no other place does it do those things better than in the hands of the twelve men whose narratives make up the substance of 12 Faces of Time. Each of these epoch-making watchmakers active in the realm of haute horlogerie has a distinct story to tell; in the hands of these masters, time becomes tangible, perpetual, and personal. 12 Faces of Time portrays well-known horological figures such as François-Paul Journe, Vianney Haller, and Philippe Dufour as they've never been seen before and also provides unique insight into major independent horologists like Finnish chronometer specialist Kari Voutilainen, Felix Baumgartner of Urwerk fame, triple-axis tourbillon technician Thomas Prescher, German wunderkind Volker Vyskocil, English contender to the horological crown Roger Smith, resonance specialist Beat Haldimann, and Paul Gerber, Guinness Book of world Records holder. Two men very rarely seen in the press are also portrayed here: Dr. Ludwig Oechslin is not only the curator of the Musée International d'Horlogerie in La Chaux-de-Fonds, but also the movement de-signer of some of Ulysse Nardin's most complicated and forward-thinking works of art and creator of the MIH watch. Kenji Shiohara is the innovative Japanese watchmaker who founded a mini-department for high watchmaking within Japan's gargantuan Seiko Corporation, bringing forth the first Japanese-themed and expertly finished sonnerie-using Seiko's Spring Drive movement as the basis. These twelve technical magicians are portrayed in their own environments along with plenty of their mechanical wizardry, providing impressions of what makes them unique. 12 Faces of Time is not only for passionate aficionados of high watchmaking, but anyone interested in artistic photography and beautiful imagery. A feast for all of the senses, you can expect to practically hear the ticking of the rare and unique timepieces alongside the exotic accents of the masterful thinkers and gifted watchmakers speaking from the pages to introduce their life's work-one that comprises an age-old craft. Embodying the animated yin-yang that is modern mechanical watchmaking, these twelve faces of time represent very different corners of the highest level of watchmaking: individual-and individualistic-styles of this timeless mechanical art.

The book's many photographs offer a retrospective exhibition of the watches of George Daniels, Svend Andersen, Vincent Calabrese, Philippe Dufour, Antoine Preziuso, Franck Muller, Aniceto Jimenez Pita, Alain Silberstein, Marco Lang, Vianney Halter and Roger Smith.

"The watch must be original in design and conception and, when completed, beautiful in appearance." —George Daniels, Watchmaking

"The open road"—it's a phrase that calls to mind a sense of freedom, adventure, and new possibilities that make driving one of our most liberating activities. In Drive, Iain Borden explores the way driving allows us to encounter landscapes and cities around the world. He takes particular notice of how driving is portrayed in film from America to Europe to Asia and from Hollywood to the avant-garde, covering over a century of history and referencing hundreds of movies. From the dusty landscapes of The Grapes of Wrath to the city streets of The Italian Job; from the aesthetic delights of Rain Man and Traffic to the existential musings of Thelma and Louise and Vanishing Point; from the freeway pleasures of Radio On and London Orbital to the high-speed dangers of Crash, Bullitt, and C'était un Rendezvous; this book shows how driving with different speeds, cars, roads, and cities provides experiences and challenges beyond compare. Borden concludes that as an integral part of modern life, car driving is something to be celebrated and even encouraged, making Drive a timely riposte to anti-car attitudes, and those blind to the richness of life behind the wheel.

This long-awaited new edition of Gould's seminal text on the development of the marine chronometer not only faithfully reproduces the original, but also includes the author's own extensive notes, made in preparation for a second edition.

These amendments

The definitive guide to watch repairing by a master.

Here is a unique book. It describes the theories and processes of repairing and adjusting the modern watch in precise and meticulous detail: a thing which has never been done so completely before in the many books on the same subject. As a text book it is a revelation. Taking nothing for granted, except the ability to read and comprehend a simple description of mechanical processes, de Carle takes his reader through every stage and every operation of watch repairing ...and to deal with them thoroughly is quite a programme - it takes 300 pages containing 24 chapters, two appendices and 553 illustrations. The fine draughtsmanship and accurate technical detail of the illustrations set a new standard. Practical Watch Repairing can justifiably claim to be the best illustrated book on practical horology yet issued, and one of the best of its kind on any subject. The publication of the book marks the beginning of a new epoch in the study of the mechanics of horology. The Marine Chronometers at Greenwich is the fifth, and largest, of the distinguished series of catalogues of instruments in the collections of the National Maritime Museum. Housed at the Royal Observatory Greenwich -- the 'home of time' and the Prime Meridian of the world -- this extraordinary collection, which includes the celebrated marine timekeepers by John Harrison (1693-1776), is generally considered to be the finest of its kind in existence. The book is however much more than just a catalogue, and includes an accessible and engaging history of the chronometer, revealing why these instruments were important in our scientific and cultural history, and explaining, in simple terms, how they worked and were used. A comprehensive Glossary and Bibliography are included to ensure any technicalities are explained and that the reader has suggestions for useful 'further reading'. Over 480 photographs and illustrations, including many fine macro-photographs and line drawings, illustrate the 'jewel-like' beauty of the chronometer's construction and explain the function and subtleties of its mechanism. A chapter on 'How the Chronometer was Made', describes the fine sub-division of labour used to create these special machines, from bare

metal, right up to delivery on board ship, and brief biographies of the makers tell the human story behind this important nineteenth-century industry. Another chapter, 'The Evolution of the Chronometer', aimed at collectors, historians and curators, provides clearly structured information on assessing and dating the chronometer, something many find difficult. And, for the dedicated specialist, there is extensive tabulated data on the technical structure of this important collection, a unique resource for future research.

The first and most comprehensive step-by-step guide on the subject, Watchmaking has become a classic in its own right. This new edition is updated to include a new section which discusses and illustrates a variety of the author's own watches. The author's principal aim in writing this book has been to inspire and encourage the art of watchmaking, especially among a new generation of enthusiasts. The making of the precision timekeeper is described, step by step, and is illustrated at each stage with line drawings and brief explanatory captions. Great care has been taken to ensure the text is easy to follow and to avoid complicated technical descriptions.

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'A gorgeously indulgent new coffee-table heavyweight.' - Esquire magazine 'An ode, a love letter, and a paean to family tradition while also being a celebration of the longevity of the Rolex brand, this tome is encyclopedic and monumental in its scope.' - New York Journal of Books For more than a century, Rolex has stood apart as the most legendary brand of watch in the world. Ever the record setter--the Daytona, belonging to actor Paul Newman, was auctioned by Phillips in New York in October 2017 for \$17.8 million--it comes as no surprise that Rolex is the most collected watch label in the world. Published to celebrate The Vintage Watch Company's 25th anniversary in 2020, the book contains a unique pictorial collection of vintage Rolex watches that have passed through the shop during the past 25 years. From early Rolex pocket watches to the world's first wristwatches, elegant in their simplicity yet revolutionary in their impact, to the very first Submariners, iconic Daytonas, and jewel-encrusted Crown collections, the mesmerizing archive of vintage timepieces charts the extraordinary rise of an extraordinary brand.

The Watch is the most popular book on vintage and contemporary mechanical watches, appealing to both beginners and experts. In the decade since it was published, the international audience of watch lovers and watch collectors has grown exponentially. It's time for The Watch, Thoroughly Revised. For this new edition, the original author, Gene Stone, is joined by Stephen Pulvirent of Hodinkee.com. Together, they have thoroughly revamped the book to reflect the current state of the watch world, with the addition of new brands, new models, and more focused and nuanced coverage of the traditional brand leaders, including Rolex, Patek Philippe, Omega, and TAG Heuer.

- The masterworks of thirteen legendary independent watchmakers collected in a highly illustrated volume- Contains detailed sketches and images of the watches, and accompanying specs- Photographs of the masters at work and descriptions of their creative process- Biographies produced in collaboration with the watchmakers themselves- This volume accompanies a traveling exhibition dedicated to the art of handcrafted watchmaking "True novelties and trends in watchmaking come from the watchmaking artisans. It's time to honour them as they should be honoured." - Denis Flageollet Watchmakers: The Masters of Art Horology gathers the work of the most celebrated independent watchmakers in the world. Thirteen artisans, each a legend in the realm of haute horlogerie, tell their stories, describing the traditional working methods and prized watches upon which their reputations have been built. Photographs of the masters in their workshops bring their stories to life, along with detailed sketches and images of their watches in all their brilliant intricacy. Watchmakers also features insightful text from other leading figures of the independent watchmaking world, including Aurel Bacs of the Fondation Haute Horlogerie and Nicholas Foulkes, writer for Vanity Fair, The Telegraph and GQ, and author of the only authorized biography of Patek Philippe. Watchmakers: Hajime Asaoka, Ludovic Ballouard, Christophe Claret, George Daniels, Denis Flageollet (De Bethune), Philippe Dufour, Laurent Ferrier, Romain Gauthier, Vianney Halter, Christian Klings, Jean Daniel Nicolas (Daniel Roth), Roger Smith, Kari Voutilainen

-A fantastic reference work for the novice or the seasoned watch enthusiast-Fully illustrated with 470 color photographs-Brand-Agnostic. Features a vast array of timepieces from over 90 manufacturersDespite the functional obsolescence of the mechanical wristwatch (our phones and computers tell more accurate time) the early 21st Century has seen a boom in the development, production, and appreciation of all things horological. Whether it is presented to the collector as an alternative investment, as a feat of micro-mechanical technology, or as a showcase of artisanal mastery, the mechanical wristwatch has never possessed more forms, functions or facets than it does today. The Wristwatch Handbook is written from the epicenter of a renaissance, a place in time between the Quartz revolution and the rise of the smart device - where the mechanical wristwatch is the antidote to the microprocessor and the permanent buzz of your inbox. From the multi-axis tourbillon, to the split-second chronograph, to the sidereal sky chart, The Wristwatch Handbook covers it all and does so with more than 470 rich illustrations from over 90 of the World's leading brands.The book is separated into two sections. The first section provides the reader with a comprehensive understanding of the mechanical movement. Its chapters explore power, transmission, distribution and regulation illustrating the basic concepts before considering the innovation and complexity that takes place further toward the cutting edge. From the fifty-day power reserve, to the constant force mechanism, and the 1,000Hz mechanical escapement, section 1 will allow the reader to understand and appreciate what is happening beneath the dial of their watch. Section two allows the reader to take this understanding and apply it to the vast range of complications (functions) that exist in modern horology. Each chapter showcases a distinct category of complication. For example, the regatta timer, pulsometer, and monopusher chronograph join a host of others in a chapter entitled 'Recording Lapses of Time'; The power reserve indicator, dynamograph, and crown position indicator are featured in a chapter for 'Power and Performance Indication'; The moon phase indicator, annual calendar, and planetarium can be found in the 'Astronomical Complications' chapter. Once the functional categories are exhausted, the final three chapters explore whimsical complications that have little regard for practical function, novelty time indication, and the 'super-complicated' watch - a rare breed of timepiece that houses an intimidating host of complications featured throughout the book. Upon completion of The Wristwatch Handbook the reader will be able to identify even the most exotic complication from across the room, and be able to share their appreciation and understanding of what makes it so useful and compelling. The Wristwatch Handbook is "brand agnostic", using only those watches that most aptly illustrate the given subject-matter. As a consequence the book places equal emphasis on the classic and the cutting edge, on watches produced in large volume or exclusive runs, by industry-leading technology or at the hand of a master. In doing so the book provides an unparalleled range of watches from over 90 brands, allowing the reader to determine for themselves which brands, complications, and styles they will build their collection from.

Two wealthy and powerful men engage in a decades-long contest to create and possess the most remarkable watch in history. James Ward Packard of Warren, Ohio, was an entrepreneur and a talented engineer of infinite curiosity, a self-made man who earned millions from his inventions, including the design and manufacture of America's first luxury car—the elegant and storied Packard. Henry Graves, Jr., was the very essence of blue-blooded refinement in the early 1900s: son of a Wall Street financier, a

central figure in New York high society, and a connoisseur of beautiful things—especially fine watches. Then, as now, expensive watches were the ultimate sign of luxury and wealth, but in the early twentieth century the limitless ambition, wealth, and creativity of these two men pushed the boundaries of mathematics, astronomy, craftsmanship, technology, and physics to create ever more ingenious timepieces. In any watch, features beyond the display of hours, minutes, and seconds are known as “complications.” Packard and Graves spurred acclaimed Swiss watchmaker Patek Philippe to create the Mona Lisa of timepieces—a fabled watch that incorporated twenty-four complications and took nearly eight years to design and build. For the period, it was the most complicated watch ever created. For years it disappeared, but then it surfaced at a Sotheby’s auction in 1999, touching off a heated bidding war, shattering all known records when it fetched \$11 million from an anonymous bidder. New York Times bestselling author Stacy Perman takes us from the clubby world of New York high society into the ateliers of the greatest Swiss watchmakers, and into the high-octane, often secretive subculture of modern-day watch collecting. With meticulous research, vivid historical details, and a wealth of dynamic personalities, *A Grand Complication* is the fascinating story of the thrilling duel between two of the most intriguing men of the early twentieth century. Above all, it is a sweeping chronicle of innovation, the desire for beauty, and the lengths people will go to possess it.

2018 Reprint of 1961 Second Edition. Full facsimile of the original edition. Not reproduced with Optical Recognition software. As The New York Times wrote after his death, Henry B. Fried was “widely acknowledged as the dean of American watchmakers.” In the revised, 1961 edition of his classic book *The Watch Repairer's Manual*, reprinted here, Fried addresses topics important to contemporary watch repairers, such as self-winding watches, waterproofing, calendar watches, alarm wristwatches, and chronographs. *The Watch Repairer's Manual* also includes a fine visual dictionary of exploded views in isometric, which are very helpful for ordering watch parts. One of the few modern books available on the techniques of watch repair and certainly the most esteemed, *The Watch Repairer's Manual* is outstanding for its sequence of presentation and its many useful illustrations, including enlarged details of alarm and self-winding watches. The consummate craftsman and master of details, Fried himself created the illustrations. From teaching others, Fried has learned that if you have a good understanding of how and why the mechanisms work, you will become better at fixing any problems you face—often without needing to consult a book. *The Watch Repairer's Manual* provides:

- Helpful background material, such as full descriptions of the main divisions of the modern watch mechanisms, including the purpose and function of each unit.
- Complete directions for cleaning and overhauling a watch movement for casing.
- A section devoted to general repairs and troubleshooting.

For anyone interested in watch repair, this volume will serve as a working manual, a reference manual, and even a course of study. Assuming little previous knowledge on the part of the reader, Fried provides complete and clear detail on each operation. *The Watch Repairer's Manual* should be of great value to the student, hobbyist, watch collector, and instrument maker. Henry B. Fried wrote and illustrated 14 books, many pamphlets, and hundreds of articles on horology, the science of timepieces. The first American to receive the Silver Medal of the British Horological Institute, he served as president of the New York City Horological Society and the New York State Watchmakers Association and vice president of the old Horological Institute of America. He taught and lectured on horology and served as an industry consultant. He also was a consultant for the Random House Dictionary and the Merriam-Webster Dictionary.

The Watch is a survey of the best vintage and contemporary men's wristwatches that is as visually compelling as it is informative to read. A well-made man's wristwatch combines inspired design, technical innovation, and precise craftsmanship. Vintage watches are filled with sentiment and history, and are often passed from wrist to wrist across generations. Today, designers use cutting-edge techniques and materials to create some of the most complex miniature machines ever attempted. Ranging from Patek Philippe and Rolex to Seiko and Swatch, and covering fifty brands in depth, the book provides essential wisdom on buying, collecting, and maintaining these timepieces. Illustrating the text are more than 500 photographs of men's watches, including remarkable details of dials and movements, selected for their beauty and diversity from collections around the world. *The Watch* is a survey of the best vintage and contemporary men's wristwatches that is as visually compelling as it is informative to read. A well-made man's wristwatch combines inspired design, technical innovation, and precise craftsmanship. Vintage watches are filled with sentiment and history, and are often passed from wrist to wrist across generations. Today, designers use cutting-edge techniques and materials to create some of the most complex miniature machines ever attempted. Ranging from Patek Philippe and Rolex to Seiko and Swatch, and covering fifty brands in depth, the book provides essential wisdom on buying, collecting, and maintaining these timepieces. Illustrating the text are more than 500 photographs of men's watches, including remarkable details of dials and movements, selected for their beauty and diversity from collections around the world.

One of George Daniels's central contributions to horology is his co-axial escapement. Having observed that the dominant lever escapement begins to change its rate after a year or two - a disturbance caused by the sliding action of the impulse elements of the escapement - Daniels set about developing a mechanism that avoided this problem. The result of his efforts was the co-axial escapement, a mechanism in which he sought to combine the strengths and eliminate the deficiencies of existing watch escapements, the lever escapement foremost among them. First devised in 1977, today it remains largely the same as fitted in watches of Daniels's own manufacture, as well as those of several wrist-watch manufacturers. This book explains the action of the escapement in terms accessible to both expert and layman, and is accompanied by a series of detailed line drawings.

What is a beautiful watch? How do you make a good choice? “*The Magic of Watches*” explains how and why these little objects are so precious, fascinating and exciting. *The Magic of Watches* loves paradoxes: why a one-million-dollar watch might be less precise and more fragile than one that costs 15 dollars. *The Magic of Watches* comes back to the origins of the measurement of time: how did we go from the water clock to the wristwatch? *The Magic of Watches* dares to speak about technique: how does a mechanical movement work? How does a quartz watch work? *The Magic of Watches* delves into details: what is a “complication” and when do we speak about “chronometer”? *The Magic of Watches* likes art: how do we enamel a dial? *The Magic of Watches* is unique: it focuses in detail on the basics in order to understand and love watches better.

This handsome volume showcases master watchmaker Vacheron Constantin’s innovative Reference 57260 timepiece—a horological masterpiece and the most complicated watch ever made. Vacheron Constantin, the oldest watch manufacturer in the world, has been renowned for its watchmaking excellence for more than 260 years. From the first watch made around 1760 to the legendary models—among the most remarkable of their time and created for eminent collectors such as automaker James Ward Packard, Count Guy du Boisrouvray, and Kings Fouad I and Farouk I of Egypt—the Swiss watchmaker has continually perpetuated a tradition of designing exceptional, highly complicated precision timepieces. Vacheron Constantin’s latest creation, the Reference 57260, sets a new benchmark in the realm of horology. Developed by a team of master watchmakers over eight years, this double-dial watch combines the classic principles of watchmaking with modern innovations to create a unique and entirely original piece with a total of fifty-seven complications, many of which

