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## 529 - REINA ISABEL

This book comprehensively documents the International Harvester Company's activities from its inception to its merger with Case as Case IH and their influence in Australia and New Zealand. IHC began with a merger of harvesting machinery companies to form the International Trust, the world's biggest farm machinery enterprise at the time. Then IHC became involved with tractors to become the world's largest tractor and full-line machinery maker, setting production records that stand to this day.

How to Restore Farmall Tractors, the only Farmall restoration guide, is back in print, packed with more than 300 photographs, proven tips and techniques, and money-saving advice from experts who know what works...and what doesn't.

As a botanist, Robin Wall Kimmerer has been trained to ask questions of nature with the tools of science. As a member of the Citizen Potawatomi Nation, she embraces the notion that plants and animals are our oldest teachers. In *Braiding Sweetgrass*, Kimmerer brings these two lenses of knowledge together to take us on "a journey that is every bit as mythic as it is scientific, as sacred as it is historical, as clever as it is wise" (Elizabeth Gilbert). Drawing on her life as an indigenous scientist, and as a woman, Kimmerer shows how other living beings—asters and goldenrod, strawberries and squash, salamanders, algae, and sweetgrass—offer us gifts and lessons, even if we've forgotten how to hear their voices. In reflections that range from the creation of Turtle Island to the forces that threaten its flourishing today, she circles toward a central argument: that the awakening of ecological consciousness requires the acknowledgment and celebration of our reciprocal relationship with the rest of the living world. For only when we can hear the languages of other beings will we be capable of understanding the generosity of the earth, and learn to give our own gifts in return.

Finally! A restoration guide with the kind of detail needed for a first class job. How to Restore Classic Farm Tractors is packed with hundreds of helpful full-color photographs, proven tips and techniques, and money-saving advice from restorers who know what works . . . and what doesn't. This guide will walk you step-by-step through the complete restoration of your tractor from disassembly to engine rebuild, from electrics to painting and final detailing. There's even a handy section on parts sources. So, no matter if you favor John Deeres, Fords, Farmalls, A-Cs, or Minnie-Mos, with Gaine's guidance you're well on your way to showing off your shiny "new" classic tractor! Tharran Gaines has specialized in agricultural writing for the past 25 years. He has written owners' manuals, repair guides, and sales brochures for most of the major tractor companies, such as ACGO's Allis-Chalmers, White, and Hess-ton lines.

From the first tractor built in 1924 to the last Farmall model to roll off the line, this richly illustrated history tells the full story of Farmall tractors and fills in a key chapter of American agricultural history. The engaging text by Kenneth Updike, a historian on International Harvester, is accompanied by modern and vintage color photography, as well as black and white images from Farmall's early days. Farmer, mechanic, tractor enthusiast: whatever your interest in this American icon, you will find a captivating account of its manufacture under the beloved Farmall brand.

A bestselling author and photographer turns his lens on this iconic American tractor from International Harvester's first 1924 Farmall line to the new compact tractors being produced by Case-NewHolland today.

"Farmall, Ford, John Deere, International, Case, Allis-Chalmers, Minneapolis-Moline, Oliver, Orphan Makes, and more." "Techniques for authentic show and work tractor restoration."

Farmall Tractors Robert N. Pripps & Andrew Morland International Harvesters famous Farmall tractor line, from the first small tractors to bring affordable power to small farms through their most popular models. 8 all-new photographs of original-condition and beautifully restored Farmalls accompany the history of the company and individual models. Antiques like the 8-16, classics like the W-3 and W-14 series, the Farmall Regular and F2, W45s, and up through the 1 & 2 series as they evolved over the years. Sftbd., 9x 1 1/2, 128 pgs., 15 b&w, 91 color ill.

"How to Restore Farmall Tractors, the only Farmall restoration guide, is back in print, packed with more than 300 photographs, proven tips and techniques, and money-saving advice from experts who know what works...and what doesn't"--

The first general-purpose tractor with narrowly spaced front wheels, the original Farmall was designed to do fine-tuned field

cultivation as well as anything a team of farm horses could do—in short, to "farm all." The rest is history, even legend, in the agriculture industry—a legend that unfolds in these pages in full color and sharp detail. This big book features five hundred photographs of Farmall tractors, from that first experimental model introduced in 1924, through the classic lineup of International Harvester models that bore the Farmall name, to the last one to roll off the assembly line (the landmark five-millionth tractor produced at the Farmall plant in Illinois). Detailed descriptions combine with these vibrant pictures to make *Legendary Farmall Tractors* a full-scale appreciation of the art of farm machinery at its can-do best.

The only all-marque antique tractor restoration guide is back in print, packed with the kind of detail you need to complete a first-class restoration. How to Restore Your Farm Tractor features hundreds of helpful full-color photographs, proven tips and techniques, and money-saving advice from restorers who know what works...and what doesn't. Tractor expert Tharran Gaines walks you step by step through the restoration techniques applicable to all of the most popular and collectible makes, covering: Shopping for a tractor and setting up shop Engine disassembly and rebuild Clutches and transmissions Final drives and brakes Steering Hydraulic, electrical, and fuel systems Tires and wheels Body repair, painting, and decals There's even information on antique tractor shows and demos, as well as a handy updated section on parts sources. John Deere, Ford, Farmall, Allis-Chalmers, Minneapolis--Moline, and more...no matter your passion, with Gaines' guidance you will be well on your way to transforming that old tractor into a shiny "new" classic!

Since its publication in 1977, *The Unsettling of America* has been recognized as a classic of American letters. In it, Wendell Berry argues that good farming is a cultural and spiritual discipline. Today's agribusiness, however, takes farming out of its cultural context and away from families. As a result, we as a nation are more estranged from the land—from the intimate knowledge, love, and care of it. Sadly, his arguments and observations are more relevant than ever. Although "this book has not had the happy fate of being proved wrong," Berry writes, there are people working "to make something comely and enduring of our life on this earth." Wendell Berry is one of those people, writing and working, as ever, with passion, eloquence, and conviction.

Complete, clearly detailed, step-by-step guide to painting a tractor, from metal cleaning and preparation, to matching vintage colors and decals.

America's favorite small farm tractor is retrieved from the shed and shined up for duty in this essential guide by tractor repair expert Rachel Gingell and long-time writer Kenneth Updike. The Farmall Cub Encyclopedia is a comprehensive manual for any self-starter, at-home historian, or backyard farmer. Providing step-by-step instruction for maintenance and repair from oil changes to charging system snags, as well as user tips and a buyer's checklist, the Farmall Cub Encyclopedia will give you the confidence and know-how to buy, repair, and use your very own Farmall Cub. With instructional photographs, vintage advertisements, and contemporary images, this illustrated companion is at home on both the workshop bench and the living room coffee table. The book also includes an in-depth history of all models and a vast list of implements to adapt your tractor to any need, making it both an introduction and an authoritative resource for the novice and experienced tractor owner alike.

To the admirer of farm machinery in all its gritty splendor, the tractor is more than the mechanical workhorse of the modern field. It is a testament to American know-how, a work of mechanical art truly in the American grain. Among these hard-working machines, Ford tractors hold a special place after nearly a century of bringing innovation, dependability, and good old American muscle to farms and fields worldwide. This book provides a hands-on guide to restoring these venerable machines from the ground up, from the first models made to those produced as recently as 1965. With hundreds of full-color photographs, the guide is not just clear and easy-to-follow, but also a feast for the eyes for tractor aficionados. Beginning at the beginning—how to choose and buy your tractor—Tharran Gaines takes readers through step-by-step directions for the complete restoration of Fordson, Ford-Ferguson, and Ford tractors. In straightforward terms he covers everything from troubleshooting and disassembly to engine and gearbox rebuilds, electrical work, reassembly, painting, and post-restoration care and maintenance. Informative photographs and proven tips, techniques, and money-saving advice from experienced restorers make the book an invaluable resource for ama-

teur mechanic and professional alike. Also included is an appendix listing sources for parts, decals, tires, etc., as well as addresses for tractor clubs and collector associations.

A full color gallery of Allis-Chalmers tractors covering its complete history from 1842 to the current models. Includes all the popular models from the A through the D. Andrew Morland has authored numerous tractor books including Ford & Fordson Tractors, Modern American Farm Tractors and Big Green: John Deere GP Tractors.

In *The John Deere Century*, acclaimed author and photographer Randy Leffingwell uses his unique brand of storytelling to chronicle the company and the tractors that have carried the distinctive green and yellow livery for the past century. Iconic John Deere tractors ranging from the spartan Waterloo Boy to the Model AOS, and from German and Argentine models to the acclaimed New Generation tractors are featured in this celebration of industrial tractor design. Loaded with photographs, both modern and vintage, and excellently written info, this book will have John Deere fans salivating.

How to Restore Your Farm Tractor includes all the details readers need to do a first-class job: hundreds of full-colour photos, expert tips and techniques, and money-saving advice from restorers who know what works-and what doesn't.

Internal Fire is the captivating history of the internal combustion engine and the creative individuals who brought it to life. From gunpowder to diesel, the development of these early powerhouses has been recorded from all sides. The influences of new technologies, patents, and obtainable fuels, as well as a growing understanding of the very nature of heat itself are all explored. Internal Fire is not intended as a textbook, but as the well-researched and readable chronicle of a mechanical servant that has greatly influenced life in the 20th century and beyond. You will find in this comprehensive book: ■ Gunpowder and Steam ■ Air Engines ■ Thermodynamics: Carnot Charts a Course ■ Patents: Origin and Influence ■ Internal-Combustion Engines: 1791-1813 ■ Searching and Perfecting: 1820-1860 ■ The Genesis of an Industry ■ Otto and Langen ■ Otto's Four-Stroke Cycle ■ Brayton and His Ready Motor ■ The Two-Stroke Cycle ■ Gas and Gasoline Engines to 1900 ■ Oil Engines: An Interim Solution ■ Rudolf Diesel: The End of the Beginning

John Deere Model B Restoration Guide Robert N. Pripps Restoring your Model B? This helpful guide leads you through the entire restoration, from front pedestal to drawbar, of your John Deere general-purpose two-cylinder Model B, BR, BO, BI, BN, BW, BNH, AND BWH, as well as the rare BW-4 and experimental HX, including styled and unstyled versions, Hi-Crops, and more. Determine which parts are original for your tractor and how they should be restored to 1 percent authenticity. Illustrations include rare Deere archive photographs, parts drawings, early brochures and literature. Sftbd., 8 1/4x 1 5/8, 192 pgs., 238 b&w ill.

The Complete Book of Classic Ford Tractors presents the evolution of the popular machines from 1917 to 1996. Model histories are accompanied by detailed specification charts and, of course, gorgeous photography of restored models.

Restoration is one thing. Correct restoration is quite another! This extensively researched, beautifully illustrated book describes in detail the correct paint and decals for your Letter Series or McCormick-Deering tractor. Filled with factory drawings indicating decal placement, instructions for factory paint and finish of individual parts, and more for the Farmall A, B, C, H, M, and Cub; the McCormick-Deering -4, -6, and -9; and the Super Series and -TA tractors. An illustrated history of the garden tractors that make small farms and vast gardens grow—the Cub Cadets, John Deeres, Simplicitys, Fords, Ariens, Wheel Horses, Kobotas, etc.

Just as with his previous titles, *How To Restore Classic Farm Tractors* and *How To Restore Classic John Deere Tractors*, Tharran Gaines's guide to rebuilding and restoring International Harvester Farmalls has the kind of detail readers need for a first class job. *How To Restore Classic Farmall Tractors* contains hundreds of helpful full-color photographs, proven tips and techniques, and money-saving advice from restorers who know what works- and what doesn't.

The Complete Book of Classic John Deere Tractors explores the range of iconic "green tractors" with which Illinois-based John Deere has become one of the world's most recognizable brands. Part of Motorbooks' Complete Book series, this fact-packed volume takes you through dozens of John Deere farm models, beginning with the 1892 Waterloo Boy and ending with the game-changing New Generation and Generation II lines. With selected text

from *The Bigger Book of John Deere* by late legendary Deere historian Don Macmillan, this book details year-to-year model changes within each series and offers comprehensive specs charts compiled by Deere authority John Dietz. In addition to the Waterloo Boy, you'll witness the entire 40-plus years of two-cylinder "Johnny Poppers," from the 1924 Model D through the 830 Series models in 1960, and the styled tractors of the prewar and postwar years. Also featured heavily are the groundbreaking New Generation tractors launched to much fanfare in 1960 and their successors, the New Generation II lineup with their Sound-Gard cabs. Standard, row-crop, orchard, and even a selection of experimental models...they're all here. In addition, you'll find coverage of John Deere's rich international heritage, with tractors produced in Spain, Germany, and Australia. Illustrated with incredible color photography and period advertising, *The Complete Book of Classic John Deere Tractors* is an essential edition for the library of any Deere fanatic.

This rollicking ride into machine history follows the innovators, entrepreneurs and hucksters who transformed our world with farm machines. Starting with the turn-of-the-century visionaries who saw that four wheels and a motor could replace the horse, the book moves swiftly through key early developments to cover the power farming movement of the latter part of the 20th Century a time when major manufacturers lagged behind and independent builders and farmers began creating their own solutions with a pencil drawing and a welder. The book includes stories of the butcher shop where John Deere secretly designed a completely new line of four and six-cylinder tractors, to the skullduggery and corporate raiding that took place in fields and back lots as company agents schemed to discover what their dirty ol' competition had up their sleeves. The book moves all the way up through the creation of the first tractor electronics, the merger movement of the 1980s, and the emergence of the high-technology innovations such as smart farms and auto-guidance to guidance which are changing the farm as we know it. With images from Ansel Adams, Dorothea Lange, Dennis Stock, and many more as well as design drawings from Henry Dreyfuss, Raymond Loewy, Brook Stevens and more, this raucous, heartfelt book shines light on some of the might minds and innovative companies which emerged from the fertile fields of America's heartland.

*Vintage and Classic Tractor Restoration* is a complete guide to the subject, looking at how to initially purchase a tractor, through private means or at auction, and then how to restore it back to its former glory, as it would have looked when it left the factory. It is even possible to preserve a classic tractor in its working condition, which has a unique appeal to some tractor collectors and in some ways is harder than a full restoration to undertake. Practical techniques have been amply illustrated throughout the book, ranging from the simple use of a lathe or milling machine to the

making from scratch of various tools useful in restoration work. Rather than just replacing items such as carburettor, starter motor or dynamo, practical advice is given on how to test and rebuild these components back to full operation. Fifty-two practical picture spreads show techniques suitable for restorers of all levels of skill. Contents: Setting up the workshop and making specialist tools; Finding a tractor to restore; Engine and fuel; Electrical systems; Transmission and brakes; Wheels, tyres and steering; Hydraulics and the three-point linkage; Metalwork; Painting and finishing. Aimed at serious tractor enthusiasts and agricultural machinery engineers and fully illustrated with 1100 colour photographs.

In the 1960s and 1970s, John Deere's tractors evolved dramatically from small machines into large, powerful tractors with modern advances and muscular engines; it was a period of the greatest changes since the 1920s. Deere christened these tractors the New Generation. This book in the Tractor Legacy series examines these Big Green machines in detail, with archival and current photography of restored tractors, a thorough historical text, and details of model specifications and variations.

More than Mustang and Cougar. Though the Mustang remains Ford's most famous muscle car, the company had been building muscle cars since it introduced the sleek Fairlane and Galaxie models with optional 390 cubic-inch big-block V-8 engines in 1961. These cars were part of Ford's Total Performance program, which tested cars in the crucible of racing at drag strips, oval circuits, European rally events, and road courses, resulting in legendary muscle cars like the Shelby Mustang, Boss 302 and 429 Mustangs, Mercury Cougar, Cyclone GT, and Spoiler. *The Complete Book of Classic Ford and Mercury Muscle Cars* covers all of Ford Motor Company's high-performance muscle cars from the early 1960s to 1973. It's the bible of muscle every disciple of Ford performance needs.

Dive into a wide collection of classic tractors! Many companies have built hundreds of farm tractors over the years, from the 1910 Case 110 steam tractor to the latest-model John Deere 8320R. The most innovative models changed farming for years afterwards and influenced the designs of other tractors. The most wildly popular tractors have sold in the hundreds of thousands. *Tractor Superstars* focuses on these remarkable tractors, including technical information such as the engine, horsepower, rpm, top speed, and weight. A wide collection of detailed photographs makes this one book that no one interested in tractors, tractor collectors, or anyone nostalgic for farm life will want to miss.

*The Complete Book of Farmall Tractors* details the complete evolution of the popular marque's iconic models. The engaging text includes series evolution, historical context, and technical details, accompanied by beautiful contemporary and historic images. In 1923, International Harvester revolutionized the tractor world by

conceiving the Farmall brand, a revolutionary new line of all-purpose tractors designed for small- to medium-sized farms. Eventually offering an array of engine and equipment options, by the 1930s Farmalls were bestowed with letters as their model names, from the compact A, B, and C models to the larger H and M tractors. Fittingly known as the "Letter Series," the tractors were even given a streamlined design by famed industrial designer Raymond Loewy. Not surprisingly, they went on to become some of the most widely produced and best-selling American farm tractors of all time, to be followed beginning in 1954 with the numbered Hundred Series models. By 1947, Farmall had built over 1 million tractors. Amazingly, many are still in use today, not just as collector vehicles, but often as working farm tractors. In *The Complete Book of Farmall Tractors*, tractor historian Robert Pripps explores the entire range of Farmall tractors, from their inception to their final model year in 1973. Pripps includes all models, from Diesel and LPG versions to orchard tractors. Pripps also explains the evolution of Farmall lines and gives coverage to the entry-market Cub unveiled in 1947, as well as the Hundred Series, right up to the cancellation of the Farmall name in 1973. Through engaging text and fascinating photography, *The Complete Book of Farmall Tractors* preserves the story of the legendary pioneering machines in detail. The book's content is organized chronologically, and its detailed text shines a light on Farmall's long history and evolution. Beautiful images, both modern and historic, bring the story to life and thorough spec tables highlight key technical and performance specifications. The result is the ultimate reference to some of the most popular farm tractors in history.

The developmental history of the tractors built by the dominant agricultural manufacturer of the early 20th Century, International Harvester, is dramatically told in *The Farmall Dynasty*. The book traces the evolution of the Farmall tractor from the early Titans and Moguls through to modern times. The book includes well-researched accounts of the development of the original Farmall, the Letter Series, 4100, Cub, and other legendary IHC tractors, with first-hand accounts from factory engineers describing the challenges they faced.

Finally A restoration guide with the kind of detail needed for a first-class job. "How To Restore Classic Farmall Tractors" is packed with hundreds of helpful full-color photographs, proven tips and techniques, and money-saving advice from restorers who know what works . . . and what doesn't. This guide will walk you step-by-step through the complete restoration of your International Harvester Farmall from disassembly to engine rebuild, from electrical repairs to painting and final detailing. There's even a handy section on parts sources. With Gaines's guidance you're well on your way to showing off your shiny "new" classic tractor. Say, you wouldn't mind giving me a hand with this starter, would ya?