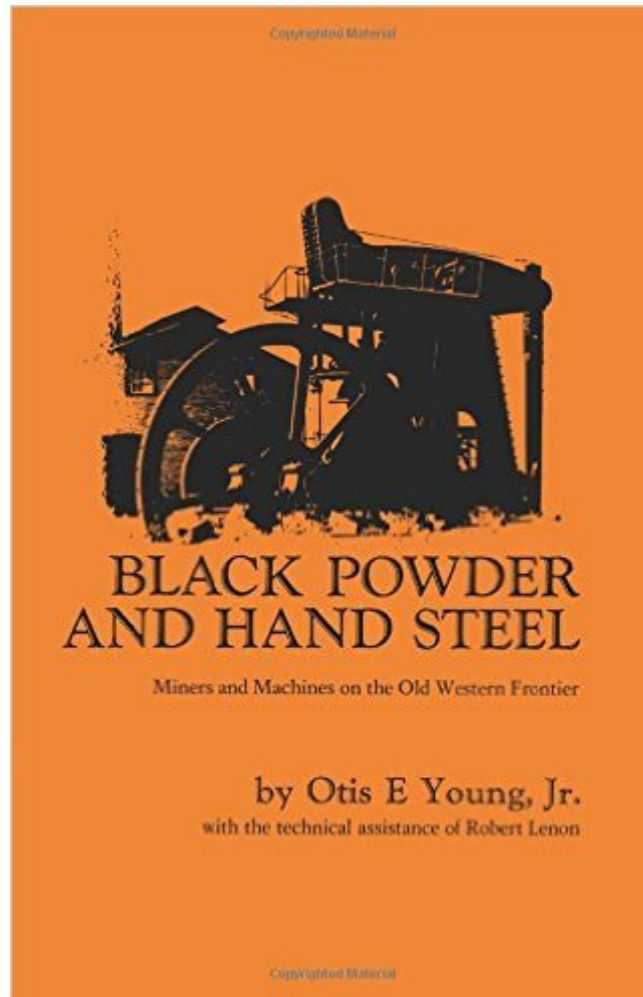


The book was found

Black Powder And Hand Steel: Miners And Machines On The Old Western Frontier



Synopsis

Mining in the western United States entered its great era after 1860 through use of the double-jack, black powder, hand steel, Bickford fuse, wire rope, and the steam engine. Those were the years of bonanza strikes: Henry Wickenburg's Vulture Mine in Arizona Territory; the main hard-rock gold strike in the desert Southwest; Ed Schieffelin's discovery of vast silver deposits in Tombstone, Arizona; and the Tonopah-Goldfield strike in Nevada, which netted over one hundred million dollars. *Black Powder and Hand Steel* describes the miners and the machinery they used. Otis E. Young, Jr., gives an account of the miners, particularly the Cornish and Irish, their origins, character, social life, pleasures, and, most important, their labors. The miner's lot depended on the tools he used, and the author traces the evolution of the miner's most important tools: from hoisting bucket to mine elevator, cold mining to dynamite, ore car to skip, hemp to wire rope, and slow match to Bickford fuse. Young reveals the difficulties of prospecting and mining two of the West's most valuable ores, gold and silver, and gives readers a firsthand look at the challenges of working even the most successful strikes. A companion volume to Young's *Western Mining*, *Black Powder and Hand Steel* is written in the same lively style—informative and entertaining for general readers and scholars. It is also well illustrated, with drawings by Buck O'Donnell.

Book Information

Paperback: 216 pages

Publisher: University of Oklahoma Press; Reprint edition (March 14, 2016)

Language: English

ISBN-10: 0806153970

ISBN-13: 978-0806153971

Product Dimensions: 5.5 x 0.5 x 8.2 inches

Shipping Weight: 6.4 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars — See all reviews (2 customer reviews)

Best Sellers Rank: #1,569,899 in Books (See Top 100 in Books) #410 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Mining #8555 in Books > Science & Math > Nature & Ecology > Conservation #17893 in Books > Science & Math > Physics

Customer Reviews

Good price, and in decent shape.

Good history

[Download to continue reading...](#)

Black Powder and Hand Steel: Miners and Machines on the Old Western Frontier The Men of Steel Anthology: The Men of Steel (special edition 2015 includes new release Raising Steel: Momma Joe's story) Guyana, Fragile Frontier: Loggers, Miners and Forest Peoples Powder Diffraction: The Rietveld Method and the Two Stage Method to Determine and Refine Crystal Structures from Powder Diffraction Data Kratom: The Truth About Mitragyna Speciosa: An Introductory Guide to Capsules, Powder, Extract, And The Full Effects (Ketum, Kratom, Kratom Capsules, Kratom Powder, Kratom Extract) Black Powder and the Old West Dan Frontier and the New House (Dan Frontier Series) Early Knives & Beaded Sheaths of the American Frontier (Of the American Frontier Series) Cruising the Southern and Western Caribbean: A Guide to the Ships & the Ports of Call (Cruising the Southern and Western Caribbean) (Cruising the Southern & Western Caribbean) Vintage Coca-cola Machines a Price and Identification Guide to Collectible Coolers and Machines Slot Machines and Coin-Op Games: A Collector's Guide to One-Armed Bandits and Amusement Machines Hardening, Tempering, Annealing and Forging of Steel: A Treatise on the Practical, Treatment and Working of High and Low Grade Steel (Classic Reprint) Life, Work, and Rebellion in the Coal Fields: The Southern West Virginia Miners, 1880-1922 2nd Edition (WEST VIRGINIA & APPALACHIA) History on Our Side: Wales and the 1984-85 Miners' Strike The Miners of Windber: The Struggles of New Immigrants for Unionization, 1890s-1930s Vivos bajo tierra (Buried Alive): La historia verdadera de los 33 mineros chilenos (The True Story of the 33 Chile an Miners) (Spanish Edition) The Blacksmith's Mail Order Bride: A Sweet Western Historical Romance (Wild West Frontier Brides Book 5) Mail Order Bride: The Golden Locket: Clean Historical Western Romance (Sweet Frontier Cowboys Series Book 4) Mail Order Bride: Birdie: Clean Historical Western Romance (Sweet Frontier Cowboys Series Book 3) Mail Order Bride: Annie Jones: Clean Historical Western Romance (Sweet Frontier Cowboys Series Book 2)

[Dmca](#)