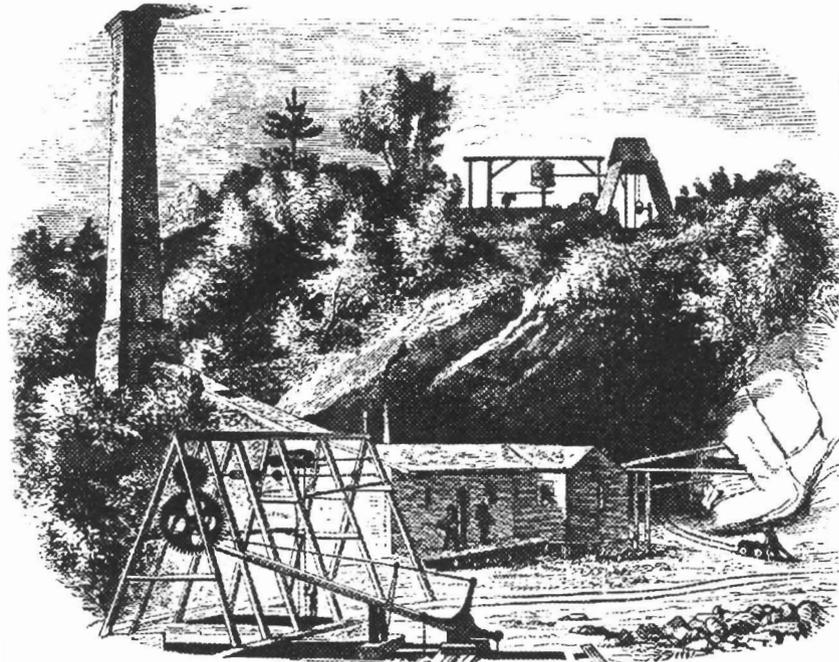


A RICH VEIN OF IRON INFORMATION

An Annotated Bibliography of Documentary Reference Materials Relating to the Picatinny Arsenal Area Ironworks and the Historic Iron Industry of Morris County, New Jersey

Compiled By
Brian H. Morrell



*The Dickerson Mine from the Second Annual Report of the
Geological Survey of the State of New Jersey, for the Year 1855*

Introduction

The following annotated bibliography was compiled by Brian H. Morrell of Historic Conservation & Interpretation, Inc. (HCI) of Newton, NJ, and reflects documentary research conducted during 1994. HCI staff members participated in this research, under the direction of Edward S. Rutsch. The research examined documentary reference materials relating to ironworks and mine sites in Morris County and specifically focused on the Picatinny area ironworks.

The research commenced with HCI's own files and library, which includes secondary sources and archeological site reports collected over 25 years of research. The most exhaustive primary documentation dealing directly with the Picatinny ironworks and their neighborhood was conducted at the Joint Free Public Library of Morristown and Morris Township, which has a truly outstanding collection of both primary and secondary

source material relating to historic iron production in Morris County. A portion of this vast quantity of material is uncataloged and not readily accessible to the public. Thus the HCI research was an opportunity to examine collections that, in some cases, have had little prior use.

Examples of such materials include the Pilch Collection, representing many decades of Henry Pilch's Morris County research of eighteenth- and nineteenth-century deeds, title searches, maps, etc. and the Cobb Collection, a voluminous assortment of eighteenth- and nineteenth-century deeds, correspondence, ironworks records, surveys, etc. The Cobbs owned Hibernia Furnace, Splitrock Ironworks, and various forges in the Picatinny area. Lemuel Cobb was a surveyor who mapped much of the Picatinny area and nearby locations in northern New Jersey.

Other repositories consulted were the holdings of the Morris County Clerk's Office and Rockaway Township Library. At the former, research focused on deeds, road returns, incorporations, maps and surrogate's records. At Rockaway Township the local history collection was preliminarily assessed.

This work was originally produced under the
direction of Edward S. Rutsch

of

Historic Conservation & Interpretation, Inc.
115 Route 519, Newton, NJ 07860

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WATERWAYS EXPERIMENT STATION
Vicksburg, MS 39180

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Finally, at Picatinny Arsenal the extensive map collection, deed files and other records at the public works office were examined, revealing another vast source of historic data. Kevin Perry, in the Arsenal security office, was also consulted regarding his vast research collection.

The result of the iron research has now been compiled into this annotated bibliography which is organized according to the nature of the material. The categories of information include:

Published Works – secondary histories, research reports, etc.

Newspaper Listings – nineteenth-century advertisements for sale of ironworks property, fires at ironworks, etc.

Photo Collections – views depicting the Picatinny area and iron sites.

Maps – (both published and unpublished), depicting mine and iron properties, original land grants, forge tracts, insurance maps, etc.

Manuscripts – eighteenth- and nineteenth-century deeds, correspondence, bills, receipts, surveys, ledgers, leases, title searches, etc. relating to Morris County ironworks. Also family papers including genealogical information, correspondence and general records.

Vertical Files – Morris County mine and iron industry data and forge owner family information.

Morris County Records – deeds, mortgages, incorporations, road returns, maps and surrogate's estate records.

New Jersey State Archives – wills and estate information and Chancery Court records.

Census Data – U.S. Census, Products of Industry statistics for individual ironworks.

New Jersey Tax Ratables – late eighteenth- and early nineteenth-century assessed valuations of individual ironworks.

Miscellaneous – deed files and memoranda at Picatinny Arsenal.

Brief annotations, provided for each of the entries in the bibliography, describe the general content and nature of individual reference materials listed under the above categories.

The Research Results

The HCI research located many primary historical documents pertaining to the three iron forges in Picatinny Arsenal – Mt. Pleasant Forge, Middle or Ætna Forge and Denmark Forge. No reference of any kind was found to the Merritt (Gravel Dam Cove) Forge, the location of which is postulated as lying upland and to the east of Denmark Pond.

The most extensive primary research material discovered related to Mt. Pleasant Forge, which was part of the largest iron community at Picatinny Arsenal. Mt. Pleasant included a turnpike inn, a store, and a gristmill, as well as the ironworks. The records detail many of the business transactions at Mt. Pleasant, between the late colonial period and the early 19th century, for three successive owners of the forge – Tuttle, Hoff and DeCamp. The documentation includes a listing of the various wrought-iron products produced, the prices of the iron product, the cost of shipping and the purchaser. Also available are inventory lists of bulk purchases for the Mt. Pleasant store and examples of working arrangements with miners, colliers and teamsters. A substantial amount of information on payment and collection of debts is also included. Payments were often made in merchant bar iron, as well as money and bills of credit.

Some primary documentary records were found for Middle or Ætna Forge, but in a lesser quantity than what survives for Mt. Pleasant. Finally, the least amount of original records exist for the Denmark Forge operation.

The research revealed excellent deed information on Middle Forge and Denmark Forges; the Mt. Pleasant property was more complicated since it had been subdivided and distributed amongst various family members.

Overall, no records of labor costs or the manner and amount of payments for labor were discovered for any of the forges. Nor was there very much data available on skilled labor categories.

The HCI research located a great number of historic graphics – both maps and photographs – with some fine maps depicting the iron district and early twentieth-century photographs illustrating Lake Denmark.

Finally, the project research located a treasure trove of material on ironworks in the Dover Iron District, although assessment of this material was somewhat less detailed. Data include information on Mt. Hope,

Hibernia and Split Rock furnaces and the Longwood and Washington forges, all of which were in close proximity to one another and were often interrelated through partnerships or outright ownership.

Recommendations for Future Research

The following annotated bibliography, the product of the extensive iron research, serves as a point of departure for further research on the Picatinny Arsenal area ironworks and for surrounding Morris County historic iron sites, especially those located in Rockaway Township. Additional research could focus on deeds and mortgages relating to the Picatinny ironworks, both at the county level and at the East Jersey Proprietors; on estate records for owners of the Picatinny ironworks, located at the New Jersey State Archives; on Chancery and County Court records, especially relating to the settlement of the Faesch and Ford family estates and their associated ironworks holdings in the Picatinny area; on further newspaper accounts of activities at the local ironworks and mines; on other map collections, such as at the New York Historical Society; on the vast manuscript collections relating to the Ford and Faesch families and the various iron operations in the Picatinny area; on census data relating to the residents at the Picatinny area ironworks; on the vast map and deed holdings at Picatinny Arsenal; and on the local history holdings at the Rockaway Township Library.

Enough original records survive, at least for Mt. Pleasant and nearby forges, to enable some future statistical analysis of iron prices and the costs for both ore and the transportation of the iron product. These data could be compiled to reflect price fluctuations over time.

Finally, the Mt. Pleasant store purchase inventories, which were discovered as part of this project, would be very useful for comparison with archeological discoveries at any of the iron forge sites at Picatinny. Already, the Mt. Pleasant store inventories are being utilized in analysis of archeological materials that were recovered from recent infield investigation at the Long Pond Ironworks site in West Milford Township, N.J.

Acknowledgements

The following individuals and organizations provided assistance in this research project and deserve recognition:

Dr. Fred Briuer, Department of the Army, Waterways Experiment Station, contributed to the design of this documentary survey as a partner, assisted in the initial archival work that led to the GIS Carto-graphic Database and is upgrading the GIS Database using the results of the documentation. The WES will publish this source book of annotated bibliography for the use of archeologists and historians.

Vernon Shankle, Picatinny Arsenal Chief Planner, assisted in defining the project's research goals in conjunction with the Arsenal's planning needs. He also provided access to the Arsenal's documentary and graphics archives and copies of any pertinent materials.

Kevin C. Perry, Picatinny Arsenal Security Office, shared his knowledge and data collection concerning the Arsenal and New Jersey Highlands iron history.

Ken Kramer, Mt. Hope Hydro, Inc., shared his knowledge of local landscapes, families and iron mining in the Mt. Hope area.

David Bogert and Lynda DeVictoria, Mt. Hope Hydro, Inc. and Mt. Hope Historical Conservancy, provided access to their extensive archives and shared ideas about historic iron making and public presentations.

We wish to acknowledge the help of the following industrial archeologists who each provided expertise in their own particular areas of American iron making technology and culture history: Richard Porter, Rutgers University, Center for Public Archeology; Edward Lenik of Sheffield Associates, Butler, NJ; George P. Sellmer of the North Jersey Highlands Historical Society; Robert B. Gordon of Kline Geology Laboratory, Yale University; Helen Schenck of Schenck Associates, Mount Holly, NJ; and Edward F. Heite of Heite Associates, Camden, DE.

Special acknowledgement should go to the entire staff of the Local History and Genealogy Department of The Joint Free Library of Morristown and Morris Township – Lesley Douthwaite, Director, Cheryl Turkington, Debbie Smith, Claire Kissil, Korrin Rosenkrans and Annette Tyler. The Local History and Genealogy Department has a truly outstanding reference collection and the staff was always ready to assist the HCI researchers in any way possible. Oftentimes the iron research for this project entailed locating obscure reference materials or accessing vast uncataloged manuscript collections. In all cases the staff facilitated this research and thus has greatly contributed to the compilation of this bibliography.

PUBLISHED WORKS

Abandoned Iron Mines of Rockaway Township, Morris County, New Jersey.

- 1978 State of New Jersey, Department of Labor and Industry, Division of Workplace Standards, Office of Safety Compliance, Trenton, New Jersey

Description of all the various iron mines in Rockaway Twp., their visible surface remains in 1978 and a brief summary of their period of operation.

Abstract of the Twelfth Census of the United States

- 1900 Third Edition, Bureau of the Census, S.N.D. North, Director, Washington, 1904.

Provides statistics on iron and steel industry of the U. S. in aggregate in 1900, including capital invested, total number of employees, costs of raw materials and value of products.

Allen, Ross F., James C. Dawson, Morris F. Glenn, Robert B. Gordon, David Killick and Richard W. Ward

- 1990 An Archeological Survey of Bloomery Forges in the Adirondacks, *IA – The Journal of the Society For Industrial Archeology*, Vol. 16, No. 1, The Society For Industrial Archeology, Washington, D.C.

This study examines the sites and technology associated with 19th-century bloomery forges that worked Adirondack ore into wrought iron for production of crucible steel. These forges had hot air systems and other modern devices and perhaps were the last industrially-operated forges in the U.S. Some interrelationships between these forges and industries in Northern New Jersey may exist.

American Civilization Institute

- 1968 *The Index of Certain Morris County Deeds From October 14, 1740 through March 4, 1924* Compiled by the American

Civilization Institute of Morristown at Friendship Library of Fairleigh Dickinson University, July 3, 1968, Madison, NJ. On file at Morristown-Morris Twp. Library.

Contains deeds for people associated with Picatinny area ironworks, but only for their property in the Morristown area.

The American Iron and Steel Association, comp.

- 1892 Directory To The Iron And Steel Works of The United States., Embracing a full list of the blast furnaces, rolling mills, steel works, tinplate works, and forges and bloomeries in the United States; also of all the cut-nail works, rod mills, wire-nail works, wire mills, car-axle works, car-wheel works, car-builders, locomotive works, cast-iron pipe works, and wrought-iron pipe works. To which is added a complete list of the iron and steel works of Canada and Mexico. Compiled and published by the American Iron and Steel Association, Eleventh Edition, Corrected to February 1892, Philadelphia.

Listing of ironworks in the U.S. by state and a brief description of their facilities, production, etc. There are also tables including production figures for all different branches of the iron industry in 1892. Includes list of bloomeries left in New Jersey and abandoned bloomeries and forges. Does not mention Picatinny forges.

Archives of the State of New Jersey: Documents Relating to the Colonial History of the State of New Jersey

- 1880 Various editors, Newark, NJ.
1886 Includes abstracts of wills, newspaper extracts, the Journal of the Governor and Council, patents, deeds and other early records, and marriage records for the State of New Jersey between 1631 and the early nineteenth century. This series of volumes

was published by the New Jersey State Archives between 1880 and 1986.

The will abstracts include some wills for the Picatinny forge owners; the newspaper abstracts contain some advertisements for the sale and operation of the Picatinny area ironworks. Other documents include information relative to New Jersey's iron industries, i.e. correspondence, memorials and petitions, enumerations of ironworks of the period, petitions for protective tariffs and accounts of iron production.

A general index has been compiled by the Morristown-Morris Township Library for Morris County-related information within this full set of volumes. This index includes a long list for Morris County iron-related data. This reference is an important source for the nature of New Jersey's iron industry, both prior to and following the Revolutionary War.

Bayley, William S.

- 1910 **Iron Mines and Mining in New Jersey**, Vol. VII of the Final Report Series of the State Geologist, Trenton, NJ

Geological description of iron ore bodies in New Jersey and individual mines. Mine discussions encompass the period of operation, production and in some cases section drawings. Information for Mt. Hope, Denmark, Mt. Pleasant and Richard mines is included.

Bevan, Bruce W.

- 1991 The Search for Graves, **Geophysics**, Vol. 56, no. 9 (September, p. 1310-1319).

This work is relevant to the Walton Cemetery site at Picatinny Arsenal. It discusses two methods for locating lost graves: ground-penetrating radar survey and soil conductivity survey. The first estimates depth and shape of buried objects; the second uses electro-magnetic induction to detect changes in electrical conductivity of disturbed soil. Two problems: first, radar cannot penetrate deep enough or soil strata so complex that graves cannot be distinguished; second, conductivity survey is degraded by metal trash and small objects in topsoil.

Heavily glaciated soils, such as those in NJ Highlands (ME), and stony soils can mask buried features when using ground-penetrating radar. Electro-magnetic induction meters can also measure magnetic susceptibility, so can identify brick, fired earth, and changes in thickness of topsoil.

Nine example surveys discussed.

Boyer, Charles S.

- 1931 **Early Forges and Furnaces in New Jersey**. University of Pennsylvania Press, Philadelphia, PA.

Essentially the bible of New Jersey's historic iron industry. Includes overview histories on each of Picatinny's forges and accounts on most of the other Morris County ironworks.

Crayon, J. Percy

- 1902 **Rockaway Records of Morris County, NJ**, families, cemetery records, church history, military records, genealogies of old families, nearly 20,000 dates by J. Percy Crayon, Rockaway Publishing Co., Rockaway, NJ.

Voluminous work that provides genealogical information on many of the families of the township – family names, dates of birth, spouses, dates of marriages, births, deaths, sometimes occupations and anecdotes. Some basic dates and familial relationships of the Picatinny area iron forge owners are included in this material. See separate index at Morristown-Morris Township Library for a list of families included in this work.

Cruts, E. K.

- 1960 **Mining in the State of New Jersey**, Cruts assisted by John Kerttu, Superintendent, Stanley Usinowicz, Mine Captain and Assistant Superintendent, Nathan K. Karchmar, Mill General Forman, Democrat Press, Flemington, NJ

Description of individual New Jersey mines, bog iron ores, magnetite ores etc.

DeBow, J.D.B.

- 1854 *Statistical View of the United States Embracing Its Territory, Population – White, Free Colored, and Slave-Moral and Social Condition, Industry, Property, and Revenue; The Detailed Statistics of Cities, Towns and Counties. Being a Compendium of the Seventh Census To Which Are Added The Results of Every Previous Census, Beginning With 1790.* In Comparative Tables, With Explanatory and Illustrative Notes, Based Upon The Schedules and Other Official Sources of Information, Superintendent of the United States Census, Washington.

Tables illustrating manufacture of pig iron, iron castings and wrought iron in 1850. Gives a breakdown by state and includes capital invested, quantity and value of raw material used, number of employees and annual production.

Department of the Army

- n.d. *Programmatic Agreement Among the Department of the Army, the ACHP, and the New Jersey State Historic Preservation Office for the Operation, Maintenance and Development of Armament Research, Development and Engineering Center (ARDEC).*

This agreement contains maps of Picatinny Arsenal, photocopies of maps of archeologically sensitive areas, a list of potential historic archeological resources within Picatinny, including sites, descriptions, occupants, and references. Photocopies of maps of historic and modern ground disturbance, an inventory of arsenal real property (codes and variable names not explained) and a demolition list are provided.

Early Arts of New Jersey, New Jersey Iron 1674-1850

- 1954 An exhibition at the New Jersey State Museum, Department of Education of New Jersey, Trenton, New Jersey, From May 16

through October 31, 1954, Catalogue, Published by New Jersey State Museum.

Includes a brief overview history of iron manufacturing in the world, the U.S. and specifically in New Jersey. Presents a description of various ironworks-related artifacts and documentation from New Jersey iron forges and furnaces (materials used in an exhibit at the museum in 1954). It is of particular interest as a partial inventory of historic New Jersey iron documentation and actual artifacts, and where they were located in 1954. Some material relates to the Mt. Hope Furnace. Nothing specifically for the Picatinny area forges is included.

Gordon, Thomas F.

- 1834 *A Gazetteer of the State of New Jersey, Comprehending A General View of Its Physical and Moral Condition, Together With a Topographical and Statistical Account of Its Counties, Towns, Villages, Canals, Rail Roads, &C.* Published by Daniel Fenton, Trenton, NJ.

General overview history of New Jersey and each of its counties and towns. Includes general industrial statistics (data for iron forges and furnaces also) by county and a listing of turnpike roads in the state. A brief description of Mt. Pleasant is given.

Grossman, Joel W.

- 1992 *Stage IA Archaeological and Historical Sensitivity Evaluation of the Hackensack Meadowlands, New Jersey*, Grossman and Associates, Inc. Prepared under EPA Number D102182QZ, Work Order Number 02-007 for Michael S. Friedman, President, Ecol Sciences, Inc.

Hanson, Kenneth R.

- 1981 *Port Oram, Circa 1882, A New Jersey Iron Town.* Hanson Press.

Detailed account of the Borough of Wharton's development as an iron mining and

manufacturing community. The history of Wharton overlaps with Mt. Pleasant to a certain extent because of their close proximity.

Harper's New Monthly Magazine, February 1859, Vol. XVIII, No. 105. Washington at Morristown.

Description of George Washington's winter encampments at Morristown during the Revolutionary War and some mention of Hibernia and Mt. Hope iron furnaces as supplying iron to the war effort. Includes engraving of Ford/Faesch house at Mt. Hope.

Harrell, Pauline Chase

- 1992 *Annotated Catalogue of Building Drawings and Evaluation of Architectural Features, Picatinny Arsenal, Dover, New Jersey*, Draft Report, WCH Industries, Inc., Waltham, MA. Prepared for New York District, U.S. Army Corps of Engineers, under Contract Number DACW51-92-D-003, Work Order #3.

As the title indicates this work is a catalogue of drawings including drawing number, date, title, architectural description.

- 1993 *Draft Report, Evaluation of Historic Structures for Picatinny Arsenal, Dover, New Jersey*, Contract Number DACW51-92-D-0003, Work Order #8, Prepared by WCH Industries, Inc. and Boston Affiliates, Inc.

Photography, history, significant features, and evaluation of buildings at Picatinny. If one can figure out numbering system used by Itinerary, one can match buildings with histories.

Heite, Edward F.

- 1974 The Delmarva Bog Iron Industry, in Early American Iron Making, published in *Northeast Historical Archaeology*, Fall, 1974.

Overview description of historic iron industry in Delmarva Peninsula area of Delaware and Maryland and discussion of the general technology.

Illig, Robert

- 1988 *Rockaway Township Cemeteries*. Limited publication by author.

Contains descriptions of all cemeteries in Rockaway Township including genealogical information for the family burial grounds. Includes section on the Walton Cemetery which lists burials that reputedly are situated there. Also gives church record data for the Waltons and some census information.

Kalata, Barbara N.

- 1983 *A Hundred Years A Hundred Miles, New Jersey's Morris Canal*, Morris County Historical Society, Morristown, NJ.

General economic history of the Morris Canal and its relationship with the New Jersey iron industry. Also discusses canal company's involvement with Green Pond and a proposed additional reservoir at Mt. Pleasant. Finally, presents relationship between the canal company directors and the owners of the Mt. Hope Furnace.

Kennedy, Jos. C. G.

- 1862 *Preliminary Report on the Eighth Census, 1860*, Washington.

Provides a compendium of statistics on production of pig iron, bar and rolled iron, and castings in the United States in 1860, broken down by state. Statistics include quantity produced and value.

Klein, Joel I.

- 1986 *An Archaeological Overview and Management Plan for Picatinny Arsenal*, Envirosphere Company, Lyndhurst, NJ. Prepared under Contract Number CX4000-3-0018, for the National Park Service, U.S. Department of the Interior, for the U.S. Army Material Development and Readiness Command.

Best available presentation of historic context for Picatinny Arsenal from 1749 to present. The prehistory is sketchy. Most of

the material was originally presented elsewhere, but DOTA 1990, uses Klein for historical period.

Kury, Theodore W.

- 1970 Early Settlement in the Highlands: An Iron Maker-Farmer Sequence? *Pioneer America* II, January, Proceedings of the 2nd Annual Symposium of The New Jersey Historical Commission.

Description of settlement and development of iron industry in the New York-New Jersey Highlands, including the evolution of the cultural landscape and how it was affected by the iron industry.

- 1974 Iron and Settlement: The New York-New Jersey Highlands In the Eighteenth Century, in *Geoscience and Man*, Volume V, Published By The School of Geoscience, Louisiana State University, Baton Rouge

A discussion of eighteenth-century iron industry and cultural landscape evolution in the New York-New Jersey Highlands. Highlighted is the variation in the cultural landscape evolution north and south of the Wisconsin terminal moraines and the alteration of the forests which furnished fuel and building materials. Early iron technology and the physical environment are also presented.

League of Women Voters

- 1968 *This is Morris County, New Jersey*, Montville, NJ.

Second chapter, titled "History and Development," contains brief outline of colonial history, especially settlement of Highlands and development of Morris County. Not much on iron industry, except that it supplied iron goods to Continental Army. Discusses development of transportation network and its importance to iron industry, the main industry in the county. Says iron industry reached its height during Civil War and declined afterward, especially with mining of cheaper Lake Superior ore.

League of Women Voters of Rockaway Township

- 1969 *Know Your Town, Rockaway Township, New Jersey*, October.

Brief general historical overview history of the township and several historic photos of the mines at Hibernia and Beach Glen.

Lenik, Edward J.

- 1970 The Rediscovery Of Lower Longwood Forge, in *Bulletin, The Archeological Society of New Jersey*, Number 26, December.

Description of Lower Longwood Forge, including brief historical overview and preliminary archeological evaluation of the forge site.

Lowenthal, Larry

- 1981 *Iron Mine Railroads of Northern New Jersey*. The Tri-State Railway Historical Society, Inc., Dover, New Jersey.

Descriptions of establishment and operation of the various railroads, constructed to serve the iron-mining industry in northern New Jersey. Includes good background on the Mount Hope Mineral Railroad and the Wharton & Northern Railroad, both at the Picatinny area iron industry.

Lurie, Maxine N. and Joanne R. Walroth, Editors

- 1985 *The Minutes of the Board of Proprietors of the Eastern Division of New Jersey from 1764 to 1794*, New Jersey Historical Society, Newark.

Chronicles activities of the Proprietors of East Jersey, including proceedings relative to the iron industry. Also mentions actions on land grants, including for property in the Picatinny area that was purchased by Jacob Ford, and issues relative to cutting timber for charcoal on Proprietors' land.

Miles, Leon G.

- 1981 The Iron Master and the Hessians, in the *North Jersey Highlander*, Summer 1981.

Published by North Jersey Highlands Historical Society.

Research paper on John Jacob Faesch and his relationship with Hessian prisoners of war who worked at his ironworks. Includes excerpts from British and German military records, relative to the Hessians.

Munsell, W. W., & Co., publ.

1882 *History of Morris County, New Jersey.* With Illustrations, and Biographical Sketches of Prominent Citizens and Pioneers, New York.

Baseline history of Morris County from its settlement until 1882. Includes historical background on Rockaway Twp. and its iron mines and ironworks in particular. Basic data are provided for the history of the Picatinny forges, along with information on Faesch and the Fords. Has useable index.

Murrin, Mary R.

1987 *New Jersey Historical Manuscripts, A Guide to Collections in the State,* New Jersey Historical Commission, Department of State, Trenton, NJ.

Listing of all manuscript collections in the State of New Jersey, including iron information regarding forges, furnaces, mines, original records, etc.

National Park Service

1985 *Historic Properties Report, Picatinny Arsenal, Dover, New Jersey,* Historic American Buildings Survey/Historic American Engineering Record of the National Park Service, U.S. Department of the Interior, Washington, D.C.

This work contains very little on prehistory, but provides good data on the early iron industry. DOTA 1990 uses this report, but it seems to be based on 1931 history. Good information for the arsenal period is included.

Perrucci, Dorianne R.

1983 *Morris County, The Progress of Its Legend,*

Morris County Historical Society, Windsor Publications, Woodland Hills, CA.

Brief overview of iron manufacturing in Morris County. Includes historic views of forges at Bloomingdale and near Lake Hopatcong.

Picatinny Arsenal, Facilities Engineering Division

1976 *The History of Picatinny Arsenal 1880-1931,* As compiled by War Plans Division, Plant Engineering Department, Picatinny Arsenal, NJ, Vol. 1 reissued by Facilities Engineering Division, Dec.

Overview history of the development of Picatinny Arsenal and its facilities. Includes description of the Arsenal's physical site and the general settlement that occurred at that location. Provides some information on the early forges and road connections to and through the site. Also details the Arsenal's acquisition of the property. The deed and early road information are important to the forge site history. The work includes good early maps of the Arsenal's development.

Proceedings of the New Jersey Historical Society

1845- Present Published by the New Jersey Historical Society, Newark, NJ.

Documented research papers on various aspects of New Jersey history, including the iron industry. A subject index for Morris County articles is available for 1845-1967 at the Morristown-Morris Twp. Library.

A Remembrance Of The Past...A Recognition By The Present

1984 *Historical Guide to Picatinny Arsenal,* U.S. Army Armament Research and Development Center, Dover, New Jersey, Centennial II Edition.

Overview history of Picatinny Arsenal.

Sims, Paul K.

1958 *Geology and Magnetite Deposits of Dover District, Morris County, New Jersey.*

Geological Survey Professional Paper 287, Prepared in cooperation with the New Jersey Bureau of Mineral Research, Rutgers University, United States Government Printing Office, Washington.

Description of geology, iron ore formations and individual iron mines in Dover District, Morris County, NJ. Includes some history and development of certain mines (Richard, Mt. Hope, and Mt. Pleasant).

Smith, Lawson M.

- 1993 **Identification and Analysis of Wetlands, Floodplains Threatened and Endangered Species, and Archeological Geomorphology at Picatinny Arsenal, NJ, Using Geomorphological Information**, Draft Report, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Status report of above multidisciplinary project. Includes scope of work and modifications to Identification of Cultural and Natural Resources at Picatinny Arsenal, NJ, Using Geomorphological Information. None of these modifications appears to be directed to cultural component of SOW.

The Thomas Iron Company 1854-1904

- 1904 Chartered Under the Laws of Pennsylvania. Published for Distribution to the Stockholders in Commemoration of the Fiftieth Anniversary of the Organization of the Company. Press of the Post & Davis Company, NYC.

Very complete general overview of this company's operations which included the Richard Mine at Mt. Pleasant. Many photos of their various iron furnaces and some of the Richard Mine are included too.

U.S. Department of the Army

- 1990 **Army Materials Technology Laboratory Closure, with transfers to: Detroit Arsenal, Michigan; Picatinny Arsenal, New Jersey; Fort Belvoir, Virginia**, U.S. Department of the Army.

Good prehistoric data for Picatinny and what looks like historic presentation. Relies heavily on Klein (1986) and Rogers (1931).

Veit, Richard

- 1993 **Iron Gravemarkers in the New Jersey Pine Barrens**, Association for Gravestone Studies, Vol. 17, no. 2, Spring.

Essay about iron gravemarkers in Pine Barrens of NJ. Brief sketch of 18th-century, bog ore-based iron industry. Notes lack of suitable stone for gravestones. Manufacturers of first iron gravemarkers are unknown, but early on iron gravemarkers were reminiscent of iron firebacks. Claims at least two forges produced iron gravestones, but only eleven markers have been located.

Discusses types and styles of iron gravemarkers. Speculates that, because so few have been located, they may have been made for an immediate family by workers at the two forges where they were produced.

Vermeule, Cornelius C.

- 1894 **Report on Water-Supply, Water-Power, The Flow of Streams and Attendant Phenomena**. Geological Survey of New Jersey, Vol. III of the Final Report of the State Geologist, Trenton, NJ.

Discusses water supply and water flow information, including data on the sizes and construction of the forge dams at Picatinny. Also includes general watershed information.

NEWSPAPER LISTINGS

An extensive collection of Morris County newspapers is found at the Joint Free Public Library of Morristown and Morris Township and is on microfilm. The papers date from the late eighteenth century into this century. Although most of the newspapers were published in Morristown and provide heavy coverage for that town, they do also include information on county-wide events. Many of these newspapers have been indexed to provide ready access to specific items of research interest.

In particular, *The Iron Era* appears to be an important paper for coverage of the Mt. Hope/Picatiny area in the late nineteenth century. Published in Dover, *The Iron Era* was established in 1872 and was printed until 1914. Although not indexed, a perusal of some of the paper revealed considerable Mt. Hope/Picatiny area items relating to the iron industry. See 1881-1892 synopsis of local events from *The Iron Era* below.

Sample of Available Newspaper Information:

Genius of Liberty, December 24, 1807, Vol. IX, No. 501, pg 3.

Advertisement for sale of John Jacob Faesch Estate including Mt. Hope and Middle Forge Tract, John Doughty, Comm'r.

Describes Faesch property briefly and when it was to be sold.

Provides some general background information on the Ford/Faesch House and discusses how it was being remodelled in 1931 into a duplex.

A Monthly Synopsis of Local Events Compiled From the Newspaper, the Dover Iron Era, includes necrology and fires.

This listing includes iron and mining information and serves as a partial index for 11 years of *The Iron Era*. This Dover-based newspaper also provided coverage for the Mt. Hope/Mt. Pleasant area. Generally the listed data includes accidents, riots, fires, etc., but also local ironworks events. Includes coverage for Mt. Pleasant, Mt. Hope and Richard mines and Lake Denmark.

New York Daily Tribune

1853 The Iron Mines of Morris County, NJ, Aug. 6.
Mid-nineteenth-century account of iron mine operations in Morris County.

Palladium of Liberty, April 2, 1818, Vol. II, No. 523, pg. 2.

Advertisement for sale of Denmark Forge, sawmill, housing, pond and property by Daniel Phoenix.

Article describes Denmark Forge property and its condition in 1818.

Newark Evening News

1931 Remodel Historic Mt. Hope House, Linked with Revolution Events, Oct. 31, With annotation by Dr. Hazel W. Howell, retired Webster Junior High School (Newark) principal and history teacher for 40 years.

Town founded by Newarker To Be Wiped Out

n.d. Newspaper clipping in Alice Oneal Scrapbook, Collection of Musconetcong Foundrymen Historical Society, Netcong, N.J., no date or name of newspaper, probably from *Newark Evening News*.

Description of Picatinny Arsenal's purchase of Spicertown and parts of Mt. Hope to enlarge the safety zone around the arsenal. Gives a very brief history on the settlement of Spicertown.

PHOTO COLLECTIONS

Clyde Potts Collection

Includes 1936-38 collection of negatives of Lidgerwood Estate and Lake Denmark. Shows lake dam and possible Denmark Forge artifacts. On file at Morristown-Morris Twp. Library.

Curtiss Collection

+/- 2000 glass plate negatives with many

photographic prints made up. Indexed on computer and a card index (unfortunately not comprehensive). A typed index to the Curtiss Picture Collection by Plate Number, plus subject headings, was compiled by Alberta Curtiss Van Dyne. The index is incomplete and lists views by location and subject matter. On file at Morristown-Morris Twp. Library. Includes several views of Lake Denmark in the late 1920s.

MAPS

Atlas of Morris County, New Jersey

1868 F. W. Beers, A. D. Ellis, & G. G. Soule, New York. Reprinted by Morris County Historical Society, Morristown, NJ, 1979.

Detailed depiction of Morris County and its communities in 1868. Includes ironworks and general industries. Shows Denmark Forge, Middle Forge and surrounding settlements.

Beach Estate Plan 6, Plan 5, Rockaway Twp

1930 Depicts road from Rockaway to Green Pond, Hibernia School, Hibernia Mine RR, Hibernia Iron Mine Co. lands, scale 1" = 30' 37"x 56". On file at Morristown-Morris Twp. Library.

Continuation of other Beach Estate Maps, shows all workers housing in center of Hibernia and school.

Deed Plottings, Beach Estate, Rockaway Twp.

1919? Plan 3, 1822-1919. On file at Morristown-Morris Twp. Library.

Continuation of other Beach Estate maps noted herein.

Deed Plottings, Beach Estate, Rockaway Township, Morris Co. NJ

1930 Sept. 2, scale 1" = 500', Ernest L. Meyer,

Inc.; Grassman & Kreh; Engineers-Surveyors; Elizabeth, NJ; Morristown, NJ. On file at Morristown-Morris Twp. Library.

Along Beaver Brook area, shows all land tracts, owners and deed references; two other sheets are a continuation of this map.

Erskine, Robert

c 1777 Collection of eighteenth-century maps of the NJ and Morristown areas, which were used by the American Rev. Army c 1777, 37 sheets. Photostats of the originals in NY Hist. Soc. On file at Morristown-Morris Twp. Library.

These maps mostly focus on the Morristown area. None depict the Picatinny area.

Faden Collection, Map #15, Library of Congress

1780 May 15, Scale not given, 18"x 22".

Shows locations of forges and furnaces in Sussex, Warren, and Morris Counties. Mt. Hope Furnace, Kineys Forge (Middle Forge) and unlabeled forge (Mt. Pleasant?) are depicted.

General Property Key Map, Picatinny Arsenal Access Road at Spicertown

1941 NJ State Highway Department. Showing Existing Right of Way & Parcels to Be

Acquired In the Township of Rockaway and Boro of Wharton, County of Morris, December 1941 (on file at Morris Co. Court-house, Morristown, NJ, Vol. 2, Map 1103).

Sheet 2 shows relocated Burnt Meadow Brook, the new stream channel and its relationship to Parker Road and the road access ramp. Sheet 3 shows Burnt Meadow Brook, a stone and earth dam and an abandoned raceway leading to an old concrete foundation labeled, "Elizabeth D. Lake, Heir to J. J. Langdon Est." The former location of the brook is also shown along the Rockaway Twp/Wharton border, with adjacent property owners (including Wharton Mining Co.) listed. Sheet 4 continues to show the relocated brook, the new channel and the Warren Foundry & Pipe Co. land.

Geographical, Historical and Statistical Map of New Jersey

1983 Henry C. Carey, 1822, reprinted 1983, by Afton Publishing Co., scale 1" = 15 mi, 22"x 18.5".

Depicts overall state in small scale. Shows rivers, major roads and some towns. Indicates Mt. Pleasant. Map includes list of general statistics for N.J. Of limited usefulness.

A Geological Map of the Green Pond Mountain Region in Morris and Passaic Counties

1901 Geological Survey of New Jersey, Henry B. Kummel, State Geologist, C. C. Vermeule, Topographer, Geology by Henry B. Kummel and Stuart Weller, Scale 1" = 1 mile.

Map extends from Hardyston Twp, Sussex County east to Pequannock Twp and from Greenwood Lake south to Denville. Shows contours, towns, roads, railroads, and mine locations, including within the Picatinny area.

Hibernia Mine Tract with Profile & Section Showing Workings

1855 Sept., scale 1" = 250', 24"x 31", shows Wood Mine, Glendon Mine, Scott Mine, DeCamp Mine, Upperwood Mine, Willis Mine, Beach Glen Pond. On file at Morristown-Morris Twp. Library.

Very detailed map similar to Hopkins' 1868 map. Shows contours, trees, fields, houses, mines.

Land Belonging to Mutual Iron Ore Co. & Others, Rockaway Twp.

1890 Scale 1" = 10 chains, 18 1/2"x 49". On file at Morristown-Morris Twp. Library.

Shows Morris Co. Railroad, Copperas Mine Tract, Green Lake (Pond), properties of Halsey and Kitchell families.

Lands of Wharton Steel Co. at Hibernia, Morris County, NJ

1916 Plotted from Deed Descriptions, March, Scale 6 chains = 1", P. E. Boomer, C.E. 80"x 44". On file at Morristown-Morris Twp. Library.

Shows all land tracts from Horse Pound Pond North to Green Pond. Good detail is given for Hibernia Forge lot and Forge Pond, gives deed references and dates, shows piece of Lake Denmark and Wharton & Northern RR.

Lots Owned by the Spicer Family, East Branch of Rockaway River

n.d. Scale 1" = 4 chains, 13"x 36". On file at Morristown-Morris Twp. Library.

Small blueprint map of Spicer Family property at Mt. Pleasant, divided up into numbered lots. Only shows lot lines and owners.

Map Made for Wharton Steel Co. Showing Returns for Property in Hibernia, Morris County, NJ

1916 March, Scale 6 chains = 1", P. E. Boomer, C.E. On file at Morristown-Morris Twp. Library.

Shows early Proprietary divisions near Lower Wood Mine. Just shows land tracts, owners, dates and deed refs.

Map of a Group of Iron Mines in Morris County

1868 Geological Survey of New Jersey, made under the direction of Geo. H. Cook, State Geologist and G. M. Hopkins, surveyor and delineator.

Map depicts Morris County, extending from Green Pond and Split Rock Pond in the northeast, to Chester in the southwest. Shows iron mines, some contours and elevations, and areas of forestation and cultivation. Most detailed nineteenth-century depiction of the Picatinny/Mt. Hope area.

Map of Beach Glen Mining Property Belonging to the Estate of J. Couper Lord, Rockaway Township, Morris Co., NJ

1886 June, Scale 1" = 2 chains. On file at Morristown-Morris Twp. Library.

Mainly shows mine property tracts and buildings, but most are not labeled. Also depicts the former site of Horse Pond, then a meadow, and has an inset of Beach Glen Dock Lot on Morris Canal, near Beaver Brook Aqueduct and feeder.

Map of Building Lots on the Langdon Tract, Mount Pleasant, NJ

1896 Scale 1" = 50', (on file at Morris County Courthouse, Morristown, NJ, Vol. 2, Map 238).

Map shows property along Union Turnpike and J. Couper Lord's land/Huff Estate on west side of turnpike near Picatinny entrance. Shows house lots laid out and unnamed paper streets. Does not show any elements of Mt. Pleasant's historic industrial sites.

Map of Charlotteburg Tract

1883 S5-265, Oct. 25, 1765, Delancy-Cuyler & Rutherford. With its deductions and divisions, Scale 10 chains per inch. Made for Cooper & Hewitt, Surveyed Dec. 1881, Mapped Jan. 1883, William Roome, Surveyor, Butler, New Jersey. On file at Morristown-Morris Twp. Library.

Large blueprint (blue background/white line) +/- 3'x 4', showing overall tract and subdivisions, owners etc.

Map of the Charlotteburgh and Green Lake Railroad, Rockaway Township, NJ

1876 Scale 1" = 300', 17"x 62". On file at Morristown-Morris Twp. Library.

Shows NJ Midland RR, blueprint.

Map of Division of 71.84 Acres of Land Which Henry I. Vaness Bought of Richard B. Faesch

1893 Filed Feb. 3, 8"x 14", scale 1" = 5 chains. On file at Morristown-Morris Twp. Library.

Seems to be on Mt. Hope/Picatinny border near Walton Farm? Just shows property lines.

Map of Hibernia

n.d. Land tracts, no scale. On file at Morristown-Morris Twp. Library.

Did not recognize names of owners or precise location.

Map of Hibernia Mineral RR

1899 Shows railroad R.O.W. and adjacent land tracts. On file at Morristown-Morris Twp. Library.

Map of Homestead Farm of Henry and William H. Baker

1941 By E. D. Halsey, 10 chains = 1", near Mt. Hope, copied 1941, 23"x 19", original date not given. On file at Morristown-Morris Twp. Library.

Shows Mt. Pleasant Forge stream. Map is black line on white; 2nd copy is white line on blue background. Seems to show forge pond and raceways, adjacent lots, Richard Mine lot and extends down toward Wharton.

Map of Land Belonging to the Mutual Iron Ore Company & others lying in Morris County, (except one lot in Passaic) NJ

1890 Scale 10 chains per inch, Butler, NJ, July, Wm. Roome Surveyor. On file at Morristown-Morris Twp. Library.

Green Pond area, Copperas Mine Tract shown, +/- 18" x 5'.

Map of Lands at Dover, Washington Forge,

Mount Pleasant, Part of Mount Hope, other lands etc.

n.d. No scale, 22"x 24", plotting on both sides. On file at Morristown-Morris Twp. Library.

Attached note says, "Old map showing properties of Jackson, McFarlan and others, probably at or near Dover, NJ. Some portions missing. Can be located by reference to Penns lots Nos 74 and 77, shown at bottom right, and on the West Jersey encroachment map as situated above Denville." Is contiguous with Mt. Hope and Middle Forge Tracts and shows Mt. Pleasant lots (forge site?) at Tuttle's Meadow and Union Turnpike.

Map of Lands Belonging to Mt. Hope Mining Co.

1880 No scale, 36"x 25". On file at Morristown-Morris Twp. Library.

Shows Middle Forge, Mt. Hope Furnace Tract, Hickory Hill Tract and the road from Berkshire to Dover. Important map, blue background with white lines. Land owned by Mt. Hope Mining Co. is surrounded by blue lines; 1/3 of mineral right in tract is marked by red dotted lines. Mt. Hope Furnace Tract and Hickory Hill Tract were actually owned by the Mining Co; small plot between the two tracts just had mineral rights held by mining co.

Map of Lidgerwood Estates, Inc.

1932 At Lake Denmark, Geo. E. Jenkins C.E., scale 1" = 300'. On file at Picatinny Arsenal Public Works office.

Depicts configuration of lake, dam and outflow at the Denmark Forge site in 1932.

Map of Lots Sold By Dr. C. Beach at Hibernia, NJ

1880 Scale 1" = 60'. On file at Morristown-Morris Twp. Library.

Shows mine housing along Second St., Third St., First St., and the school house.

Map of E. P. Merritt's Property With Adjacent Areas, Morris Co., NJ

1894 Schumann, C.H., Civil Engineer, Sept. 1891.

Enlarged From Scale of 13 to 19 Chains Per Inch by Lewis Van Dyne, Boonton, NJ 1894, (on file at Morris County Courthouse, Morristown, NJ, Vol. 2, Map 209).

Map shows Lake Denmark with proposed building lots laid out and numbered at southwest end of the lake. Also shows adjacent bounds of tracts owned by others and provides names of owners in 1891 (or of previous owners). Map also includes north end of Middle Forge Pond.

Map of Merritt Park & Vicinity

1932 Parker Bentley C.E., Jersey City, Dec. 1926, Revised July 7, 1932, Scale 1" = 300'. On file at Picatinny Arsenal Public Works office.

Depicts configuration of lake, dam and outflow at the Denmark Forge site in 1932.

[Map of] The Morris Canal Route

1823 in Report of the Commissioners Appointed by the Legislature of the State of New Jersey, For the Purpose of Exploring the Route of a Canal to Unite the River Delaware, Near Easton, With the Passaic, Near Newark, With Accompanying Documents, 1823, Report of U.S. Engineer Dept., Jacob Mann, Printer.

This map indicates several routes proposed for the Morris Canal and depicts forge and furnace locations, both operating and abandoned, along the canal route. Forges at Denmark, Etna and Mount Pleasant are shown.

Map of Morris County, New Jersey

1853 From original surveys by J. Lightfoot and Samuel Geil. J. B. Shields, Publisher, Morristown, NJ.

Depiction of Morris County and its communities in 1853. Denmark and Middle forges are shown, along with nearby homes and the names of their occupants or owners.

A Map of Morris County, NJ, Its History and Progress Since 1695.

1932 Old Forges, Wilho Harold Anderson,

Morristown, NJ, scale 1" = 1 1/2 miles.

Map depicts historic landmarks and ironworks sites in Morris County with small sketched pictures included.

Map of the Mt. Hope Tract

1881 With its original deductions, copied from a very old map in the possession of Mr. Monroe Howell. A true copy made Aug. 2, 1881 by Wm. Roome, surveyor, no scale, 26"x 17". On file at Morristown-Morris Twp. Library.

Map shows entire Mt. Hope Tract on blueprint and all parcels within it. Many of these latter lots are Col. Ford's. Does show streams, possibly Green Pond brook and Mt. Pleasant Forge area. A valuable map for understanding deed descriptions of Mt. Hope area.

Map of Port Oram Building Lots of the New Jersey Iron Mining Company, Port Oram, Morris Co., NJ

n.d. Showing location of streets and lots sold to D. Xemuier? (on file at Morris Co. Courthouse, Morristown, NJ, Vol. 1, Map 104).

Depicts part of downtown Wharton by Morris Canal, First Street and Poppenhusen Street. Shows lots, owners, Oram, Hance & Co. land.

Map of the Port Oram Village & Surrounding Property of Late Dudley B. Fuller & James Couper Lord

1890 No scale given (on file at Morris County Courthouse, Morristown, NJ, Vol. 1, Map 159).

Depicts part of downtown Wharton and shows Morris Canal, Port Oram Iron Co. furnaces, Orchard Mine, Washington Pond, etc. Good for Wharton-related ironworks and mines.

Map of the Proposed Borough of Rockaway, Morris County, NJ

1894? Scale 4 chains to 1", (on file at Morris

County Courthouse, Morristown, NJ, Vol. 2, Map 240).

Map shows layout of village of Rockaway, including industries and ironworks, large land holders such as Mt. Hope Mining Co., Morris Canal right-of-way, etc.

Map of Rockaway, Morris Co. NJ

1875 John M. Bassett, scale 1" = 4 chains, 29"x 31". On file at Morristown-Morris Twp. Library.

Very good map, shows railroads and especially canal detail.

Map Showing the Location of the Picatinny Powder Depot, and the Railroad and Canal connections

n.d. On file at Picatinny Arsenal.

Map showing northern New Jersey and the network of railroads and canals extending across the state and in the proximity of Picatinny.

A Map of the State of New Jersey With Part of the Adjoining States

1828 Compiled under the Patronage of the Legislature of said State by Thomas Gordon. Engraved by H.S. Tanner, assisted by E. B. Dawson & W. Allen.

Map shows forges and furnaces in N.J., in addition to general industries. Copperas Works, Denmark Forge and nearby mill (sawmill?) are depicted. Also shown are Etna Forge (Middle Forge), furnace at Mt. Hope, a mill and downstream forge at Mt. Pleasant. Wonderful map for showing location of New Jersey forges, furnaces, and mills in early 19th century. Does not show all buildings or mines, etc., but important as early 19th-century source of ironworks' locations.

Map of That Part of the Middle Forge Tract Lying West of Denmark Road

1880? Scale 1" = 400', in folder "Lake Denmark & Snake Hill Road Area," in file 1503.01-

th 1504.05. On file at Picatinny Arsenal Public Works office.

Map shows Middle Forge Pond outline and Walton Tracts at Picatinny.

Map of U.S. Naval Ammunition Depot, Lake Denmark, N.J., Showing Conditions on June 30, 1943

1945 Corrected to June 30, 1945, Ralph Wentman, Rear Admiral, U.S. Navy, Public Works Officer, Third Naval District.

Depicts layout and buildings of the ammunition depot and shows some land boundaries and adjacent owners.

[Map of] U.S. Powder Depot, Dover, N.J.

1904 Sept., Drawn by E. E. Storch, corrected to May 24, 1907. On file at Picatinny Arsenal.

Depicts layout of arsenal and buildings in 1904, extending from outlet of Picatinny Lake to Mt. Hope Avenue. A good delineation of Burnt Meadow Brook, its surrounding meadow land, and the site of the Middle Forge with its raceways and old and new arsenal facilities.

Map of United States Reservation, Picatinny, NJ

1906 On file at Picatinny Arsenal.

Map of Picatinny, revised in 1914. Locates approximately 124 buildings (based on numbered list along map margins). Delineates Navy depot, but shows no buildings.

Map of the Vicinity of Hibernia, N. J.

n.d. Geological Survey of New Jersey, by J. E. Wolff, scale 1" = 1/2 mi, 12 1/2"x 13". On file at Morristown-Morris Twp. Library.

Topographical map extending from Mt. Hope-Lake Denmark east to Splitrock and Meriden. Shows roads, locations of iron ore and bedrock outcroppings. Does not show ironworks. Appears to date from late nineteenth century.

Map of the Village of Rockaway, New Jersey

1838 May 1, lith'd by H. B. Robinson, NY. On file at Morristown-Morris Twp. Library.

Very complete map. Shows factories, canal, forges, rolling mills, etc. in Rockaway village.

Mt. Hope Tract

n.d. No scale, 24"x 28". On file at Morristown-Morris Twp. Library.

Seems to be at corner of Mt. Hope Tract and shows parcelled up lots.

Mt. Pleasant Lots of Replogle Steel Company, Wharton, New Jersey

1922 Scale 1" = 50', (on file at Morris Co. Courthouse, Morristown, NJ, Vol. 10, Map 1081).

Map depicts numbered lots along northeast side of Union Turnpike with a raceway to the northeast. No indication regarding what industry the raceway served.

New Jersey, Reduced From T. Gordon's Map

1983 c 1840, by H. S. Tanner, scale 1" = 12.5 miles, reprinted 1983 by Afton Publishing Co., Florham Park, NJ.

Depicts overall State of New Jersey with major roads, towns and rivers shown. Does include Mt. Hope, Mt. Pleasant and Denmark. Good to show road connections of that period.

Parsippany & Rockaway Turnpike Survey

1810 Part of Department of State Turnpike and Plank Road Map Collection, on file at NJ State Archives.

Map shows Moses Tuttle's name at Mount Pleasant on Union Turnpike, which Parsippany & Rockaway Turnpike intersected. No buildings or streams are depicted.

Property Map, Picatinny Arsenal

1931 Feb. 4, D.P. 13663. On file at Picatinny Arsenal.

Depicts land tracts acquired by the U.S. Government for Picatinny Arsenal. Includes chart providing Picatinny land acquisition, deed references, dates and acreage.

The Province of New Jersey, Divided into East and West, commonly called the Jerseys

1777 Engraved and published by Wm. Faden, Charing Cross, December 1, approximate scale 3/4" = 5 miles.

Shows landscape relief at Picatinny, Green Pond, Walton Farm, Tuttle Family at Mt. Pleasant. Does not show furnace at Mt. Hope or Picatinny forges.

Robinson's Atlas of Morris County, New Jersey

1887 E. Robinson, Publisher, New York. Reprinted in 1979 by the Morris County Historical Society, Morristown, NJ.

Detailed depiction of Morris County and its communities in 1887. The settlements at Denmark and Spicertown are shown.

Sanborn Insurance Maps (on microfilm), Library of Congress Collection.

1884- Includes Dover Maps for 1884, 1886, 1890, 1896, 1900,

1949 1909, 1916, 1927-49. Maps for 1927, and 1927 updated to 1949, include Spicertown and show relocated Burnt Meadow Brook.

A Sketch of the Northern Parts of New Jersey

1781 Copied from the Original by Lieu't I. Hills, 23rd Regt. Reprinted from the original in the Library of Congress for the Portolan Press by The Meridan Gravure Co., Brielle, N.J., n.d. for reprinting.

Topographical map, 32" by 38" of Sussex, Passaic, Bergen, Warren, Morris, Essex, Hudson, Hunterdon, Union, Somerset, Mercer and Middlesex Counties. Depicts roads, streams, industries and communities. Forges are shown in Picatinny area, but may be the Longwood forges rather than those in Picatinny.

Swedes Mine Map

n.d. Tract map showing Swedes Mine. On file at Morristown-Morris Twp. Library.

Union Turnpike Survey

1805 Thomas Miller, February 27, Scale 1" = 20 chains. Part of Department of State Turnpike and Plank Road Map Collection, on file at NJ State Archives.

Long, rolled parchment map stitched together in sections. Map starts at Morristown Meeting House and crosses Whippany River, Den Brook and the Rockaway River in Dover. At Dover shows raceways, forge, the splitting mill and millpond. The buildings are depicted in tiny sketches. The turnpike crosses Burnt Meadow Brook and goes on to Mount Pleasant. A tiny sketch of Moses Tuttle's house appears at Mount Pleasant. The turnpike then crosses Green Pond Mountain and goes to the Rockaway River in Berkshire Valley. The forges at Mount Pleasant are not depicted.

Untitled map

n.d. has handwritten notation, "Petersburg-Ringling, Deed Plotting by Lawrence Day, inked in by Henry W. Pilch. Loaned to Ed Howell & damaged by water due to fire in his office, Plotting G, showing basic proprietor's returns" From Minton & Day Files. On file at Morristown-Morris Twp. Library.

Dates mentioned on map: 1754 to 1880. Includes deed plottings in great detail for properties of Lemuel Cobb, John Tomkins, Abram Ogden, Denmark Tract. Only shows one edge of Denmark Tract, up by Petersburg/Ringling area. Just shows property outlines, no buildings or other detail.

Untitled map of Hibernia

n.d. On file at Morristown-Morris Twp. Library.

Shows rail lines, store, land tracts, compressor line, coal house, RR dock, but not the mine; nice detail for Hibernia.

Untitled map of Hibernia area, compiled by Isaac Beach

1823 Jan., scale 1" = 10 chains, 26"x 22". On file at Morristown-Morris Twp. Library.

Shows Muirs Forge, Horsepound and Horsepound Pond, Beach Mine Lots, Hibernia Forge & Stamping Mill and Fletchers Pond. Depicts property tracts, owners, streams, ironworks sites and tiny sketches of some of these latter works. This is a very important, early map for Hibernia area.

Untitled map showing Charlottenburg Great Tract

n.d. No scale, +/- 4'x 5'. On file at Morristown-Morris Twp. Library.

Actually shows Hibernia Tract of 1792, north end of Denmark Tract, Green Pond, Petersburg Tract, Charlottenburg Great Tract, Makapin Pond, ink on vellum. Seems to show eighteenth-century Proprietary grants.

Untitled map showing iron mines & furnaces in northern Morris County

c 1820? Lemuel Cobb and Walter Kirkpatrick, no scale, 66"x 36". On file at Morristown-Morris Twp. Library.

Extends from NJ-NY border at Greenwood Lake South to Basking Ridge. Shows all furnaces, forges, mines, etc. in that area. Also depicts some land tracts - an outstanding map. Shows Burnt Meadow Brook and Mt. Pleasant (but not the forge); AEtna or Middle Forge; Denmark; Mt. Hope Furnace; Copperas Mine on Rockaway Mountains; Muir's Forge at White Meadow Pond; Beach's Forge, Saw Mill and Gristmill (at Beach Glen); Hibernia Furnace, Saw Mill and Mine; Upper & Lower Longwood Forges; Copperas Works next to north end of Green Pond on Copperas Mtn; and the outline of Mt. Hope Furnace Tract;,, possible outline of Denmark Tract (incorporating Mt. Pleasant & Middle Forges). One of

the best maps for early Northern N.J. iron. On map is listed deed tracts with 1815 dates. Also, Governor Dickerson's name appears at Mine Hill, meaning a post- 1815 date. Bergen County is shown, incorporating present northern Passaic County, so map is pre-1837. Map probably is c 1820.

Untitled map, shows Henderson Land, in part of Hibernia Tract, Rockaway Twp.

n.d. No scale, 7 1/2"x 12 1/2". On file at Morristown-Morris Twp. Library.

Small manuscript map showing part of Hibernia Tract. Lists owners of various parcels of land in the tracts. Cannot determine exact location. Of limited usefulness.

Certified Copy of Map of the Surface of the Baker's Mine

1877 Made by Prof. Bowser from his field notes, Scale 1" = 20'. On file at Morristown-Morris Twp. Library.

Shows mine tract and all facilities, i.e. hoisting shaft, changehouse, blacksmith shop, engine house, carpenter shop, etc.

East Jersey Proprietary Material, Morris Co., Map 5 of 6 - Longwood Valley/Dover to Boonton

n.d. No scale given. On file at Morristown-Morris Twp. Library.

Large blueprint map, +/- 3' x 4', in grease pencil on mylar. Labels Denmark Tract, Mt. Hope Tract, and Longwood. Skinner & Johnson shown as owners along west side of Denmark Tract; shows Jacob Ford Tract in Mt. Pleasant area (107.5 acres, Aug. 1, 1757, S4-121, 4th tract.

UNCATALOGED MAPS

East Jersey Proprietary Records Map #4

n.d. Morris Co. Clerk's Office. Abstracts of surveys and miscellaneous information about Morris Co. in E. Jersey Proprietor's office at Perth Amboy, 6 related maps, Map 4 of 6, rec'd 11/16/83. On file at Morristown-Morris Twp. Library.

Large blueprint map, +/- 3' x 5', no scale given, shows outlines of land tracts - Longwood Valley/Ringling area, but is unfinished. Only a few names of owners are shown. Would be useful for Longwood/Ringling forge study.

East Jersey Proprietary Returns, Map 2 of 6

n.d. Morris Co. Clerk's Office. On file at Morristown-Morris Twp. Library.

Abstracts of surveys and miscellaneous information about Morris Co. in East Jersey Proprietor's office, Perth Amboy. Shows outlines of Denmark, Mt. Hope, Boonton, Longwood and Rockaway tracts.

Index Map of East Jersey Returns

1913A Prepared by Horace Chamberlain, n.d., traced June 1913, Edward Howell, C.E., Morristown, NJ, Scale 1" = 40 chains. On file at Morristown-Morris Twp. Library.

Photostat showing Denmark, Mt. Hope, Middle Forge, Boonton and Splitrock tracts and adjacent Proprietary land grants.

Index Map of East Jersey Returns

1913B Prepared by Horace Chamberlain, n.d. Traced June 1913, Edward Howell C.E., Morristown, NJ. On file at Morristown-Morris Twp. Library.

Blueprint, +/- 2' x 3', laminated, shows Denmark, Mt. Hope and Middle Forge tracts. Property at Mt. Pleasant is also depicted. Tracts are shown but are unlabeled, no scale given.

Longwood Valley Unfinished

n.d. Copy of Horace Chamberlain's Map. On file at Morristown-Morris Twp. Library.

Shows north end of Denmark Tract, on linen, +/- 5'x 3'.

Map of Green Pond and Timber Brook

n.d. Scale 10 chains = ? [blank]. On file at Morristown-Morris Twp. Library.

Shows north end of Denmark Tract of 6,231.28 acres, Hibernia Tract and Copperas Tract, +/- 2'x 3'. Only shows tract outlines, ownership notations and supplies some deed references.

Map of Lands at Mt. Pleasant

1837 Protracted by Robert K. Tuttle, Esq., Dec., copy given to Morris Canal Company. On file at Morristown-Morris Twp. Library.

Small map, +/- 2'x 1 1/2', ink on paper, laminated, shows tract Moses Phillips Jr. bought of Moses Tuttle, near G. H. Ford's land, all at Mt. Pleasant, just south of Middle Forge Tract (at Tuttle's Meadow?).

Map of Scott Lot

1872 Feb. 1, depicts property from actual survey made (westerly half) September 1869 and (easterly half) December 1872, by E. D. Halsey, scale 4 chains = 1"?. On file at Morristown-Morris Twp. Library.

Along Mt. Hope Mineral RR, bordering lands of Mt. Hope Mining Co. Seems to be just outside of Rockaway village.

Tracing of Map of Lands At and Near Dover, Morris Co., NJ

1832 Drawn by E. H. Van Winkle, Surveyor, September, Scale 10 chains per inch. On file at Morristown-Morris Twp. Library.

Blueprint, +/- 3'x 5'. Shows Mt. Pleasant

area and forge c1832, not laminated. Also depicts Richard Mine Lot, Mt. Pleasant Mine, Union Turnpike, Mt. Pleasant Forge and adjacent buildings.

Unlabeled map

- n.d. Linen and ink tracing, +/- 5" x 14". Shows northern part of Denmark Tract (south of Green Pond) including 6,231.28 acres and deed reference; adjacent properties in Longwood are also shown. On file at Morristown-Morris Twp. Library.

Unlabeled map

- n.d. Linen and ink tracing, +/- 2 1/2' x 4', no scale. Shows Mt. Hope Furnace Tract, Hickory Hill Tract, Johnson Lot (on road to Denmark), Middle Forge Tract (1170.55 acres), Bartow Tract and C. Miller Lot out of Middle Forge Lot, Tuttle Meadows (part of Mt. Pleasant), Decamp Lots next to Tuttle's Meadow and Hoagland & Hoff Lots West of Tuttle Meadow. Very important map for Mt. Pleasant and Mt. Hope. On file at Morristown-Morris Twp. Library.

Untitled blackline print of Mt. Hope Tract, labeled "Carl Sherzer has original of this, Copied 1942."

- 1942 Shows overall Mt. Hope Tract and various lots carved out of it. Shows some roads, streams, possible pond at Mt. Hope, laminated. Just outlines of property tracts are depicted, no ownership. On file at Morristown-Morris Twp. Library.

Untitled cloth map in Lawrence Day's handwriting

- n.d. Shows early proprietary grants and early conveyances of properties in the vicinity of Petersburg (later Alfred T. Ringling and Lake Swannanna). On file at Morristown-Morris Twp. Library.

No scale, +/- 3' x 2', shows Petersburg Forge Pond; south of pond is acreage returned to Cortland Skinner and John Johnston.

Untitled map

- n.d. Ink on paper, laminated, +/- 2' x 3'. Shows Mt. Hope area, no scale given. Shows the pond, furnace and Faesch house at Mt. Hope. There are tiny sketch depictions of the Faesch House and furnace. Also shows Mt. Hope farm of 831 acres, and the second purchase of Henry W. Phillips of 784.48 acres. Also depicts Middle Forge tract purchase (1198 acres). The first two tracts are part of the Great Mt. Hope survey laid down to a scale of 10 chains to the inch (survey made in 1809 and 1810 by Thomas Van Winkle). The Walton Farm and Peter Dowland property are shown too. On file at Morristown-Morris Twp. Library.

Untitled map of Speedwell ironworks

- n.d. Tissue tracing, scale 1" = 20'. On file at Morristown-Morris Twp. Library.
Shows old road & bridge, raceways, dam, sawmill, office etc. at this Morristown ironworks.

Untitled map, ink on paper

- n.d. +/- 18" x 30", showing land conveyed to Michael Doland by Phillips and Bush in 1832 and by John J. Faesch to Michael Ryder in 1790, laminated, seems to be Mt. Hope tract, adjacent to Picatinny. On file at Morristown-Morris Twp. Library.

Untitled tissue and ink tracing of part of Howell's map, E. Jersey Proprietors Returns.

- 1913 Shows Petersburg area and part of edge of Denmark Tract at margin. Provides very little information. On file at Morristown-Morris Twp. Library.

MANUSCRIPTS

Andover Iron Works

"An act...Mary Allen widow of John Allen...to sell and dispose of Andover Iron Works...Nov. 30, 1784. On file at Morristown-Morris Twp. Library.

Bill passed authorizing sale of Mary Allen's childrens' shares in the iron co. at Andover and Waterloo, Sussex County.

Berkshire Valley Road, From New Jersey Route 15 to New Route 23, Technical Support Document of Historical, Architectural, Archaeological, and Cultural Resources.

1978 Revised. New Jersey Survey Report No. F24.

Documentation of buildings and natural sites that could be adversely impacted by widening of Berkshire Valley Road north and west of Picatinny. Although all sites are outside Picatinny, mention is made of prehistoric artifacts found in the area (none in Picatinny, however).

Boonton Iron Works

On file at Morristown-Morris Twp. Library. Collection of letters, bills, miscellaneous papers, 1876-1887, 1900, relating to iron company at Boonton. Includes 13 page description of works & other Boonton property owned by J. Couper Lord.

Cobb Collection

On file at Morristown-Morris Twp. Library. The Cobb Collection is a very large assortment of manuscripts (some 50 boxes of material, plus ledgers and other items) predominantly dating from the last quarter of the eighteenth century through the first quarter of the nineteenth century. This material is not cataloged, other than by a preliminary, incomplete listing of some of the contents. Some items have been removed from the collection and are

cataloged separately. An example is the outstanding c1820 manuscript map of northern New Jersey which includes forges and furnaces of that period (listed in map portion of this bibliography).

A portion of the collection has been micro-filmed. These materials include ledgers and day books for the Splitrock Ironworks Company forge, iron mine and company store, dating from 1846 to 1867. These ledgers form a mid-nineteenth-century component of the Cobb Collection. Some of the late eighteenth-and early nineteenth-century materials are also on microfilm and include land survey account books, farm accounts and some court cases.

The Cobb Collection manuscripts in boxes include deeds; surveys; maps; survey fieldbooks; correspondence with the Faesch estate; Hibernia Furnace transactions; leases of forges; some survey data relative to Middle Forge, Mt. Pleasant and Mt. Hope; Charlottesburg ironworks information and Copperas Mine papers, deeds and correspondence. Lemuel Cobb's diary, dating from 1791 to 1817, is also part of the collection. It is actually a business account/daybook with some iron-related entries.

Cobb was owner of Split Rock and other ironworks, an extensive property owner in Morris County, was a judge and a land surveyor. Overall, the Cobb manuscripts represent an important collection of materials relating to ironworks that were contemporary with, and adjacent to, the Picatinny area. Only a small amount of the data relates specifically to the Picatinny forges themselves.

DeCamp Family Papers 1800-1850

On file at Morristown-Morris Twp. Library. The DeCamp Family was descended from Moses Tuttle, operator of the Mt. Pleasant Forge. DeCamps seem to have operated the Mt. Pleasant Forge after Moses Tuttle's death and did also own and operate the Longwood Forge (Lower?) William Scott,

owner and operator of forges at Boonton and the surrounding area, was also related to the DeCamp Family.

The DeCamp Papers are well indexed; those items of interest date from 1800 to 1850 and are contained in two boxes. The collection includes bills, receipts, deeds, correspondence, etc. relating to the family and their iron concerns. Items of particular interest are estate papers for Moses Tuttle, an 1813 deed for the Mt. Pleasant Mine, an 1813 lease agreement for the Washington Forge, Longwood Forge-related correspondence, Moses Tuttle's inn register, 1809-13, some iron account books, iron-related correspondence for Mt. Pleasant and considerable deeds, iron orders and correspondence from William Scott's Boonton iron operations. The latter records include data on technological change in the iron industry during the early nineteenth century.

Overall, the collection is important for data on Morris County ironworks that were contemporary with the Picatinny forges. A small amount of material does relate to Mt. Pleasant itself.

Doerflinger, Thomas Main

1970 **Hibernia Furnace During the Revolution, A Study of the Hoff Letter Book and Other Sources**, Convent, New Jersey, June 11. On file at Morristown-Morris Twp. Library.

This 71-page typed manuscript, contains letters from the Hoff letter book, a large ledger with copies of Joseph & Charles Hoff's letters. The Hoff's were successive managers of Hibernia Furnace and copied many of their business letters (64 letters). The majority of the letters were written between 1775-76 and discuss Lord Stirling's preparation for a new blast at the repaired Hibernia Furnace. Joseph Hoff assumed management of Hibernia in the Fall of 1773, and by 1774, was joined by his brothers Charles, Jr. and John.

Doerflinger's study, based largely on the Hoff letters, provides a good description of the Hibernia Furnace's operation prior to and during the Revolutionary War. Other primary

materials and also some secondary sources are also employed. The work is well referenced and it has a good bibliography. The Hoff letters discuss the expense of a blast, advertisements for wood cutters and miners, a description of goods brought in for the Hibernia store, the sale and delivery of pig iron, disputes over ore rights between Boonton and Hibernia, rivalry between Mt. Hope and Hibernia, Faesch's rental of Hibernia Furnace c1779 and employment of Hessian prisoners for ironworks labor.

Draft Nomination to National Register of Historic Places: Picatinny Arsenal

1982 Description of Picatinny Arsenal multiple resources area. Also contains historical development of area and separate listing for individual districts.

Ford Family Papers

- I On file at Morristown-Morris Twp. Library. This collection dates from 1693-1979 and consists of 5 boxes of genealogical and legal papers, correspondence, clippings and pamphlets from various members of the Ford Family. These papers are mostly 19th-century letters and genealogical information on the Ford Family. Included is a silhouette of Jacob Ford Sr., an article on the closing of Richard Mine and two 1963 photos of the rear of the Ford/Faesch House. No other information specifically relates to the Picatinny area ironworks.
- II. Collection of Morristown National Historical Park, Morristown, N.J.; on file as a microfilm collection at the Morristown-Morris Twp. Library. This collection dates from 1738/9-1904 and includes the papers of Gabriel H. Ford (Col. Jacob Ford Jr.'s son), Henry A. Ford (Gabriel Ford's son) and Millen Ford (Henry Ford's son). The documents reflect the activities of the Ford Family as important owners of land, mines and early ironworks in Morris County. The most interesting documents appear to be those relating to Gabriel Ford, overseer of the

family's financial and real estate interests, and an active participant in settling issues relative to Col. Jacob Ford Jr.'s estate.

Gabriel was the family attorney and his papers include correspondence, financial and legal documents, memorandums, and land surveys. Various court cases, involving the early nineteenth-century settlement of John Jacob Faesch Sr.'s estate and the Tuttle lands at Mt. Pleasant, are also part of the collection. These latter documents appear to contain the most useful data relating to the Picatinny area ironworks. Furthermore, papers relating to the Hibernia Mines' ownership and operation are also included. This extensive collection is indexed and therefore subject specific materials are readily retrievable.

Ford Family Wills

On file at Morristown-Morris Twp. Library. Unpublished, undated typed transcript of Ford Family Wills including wills of: Jacob Ford, Sr., Jan. 15, 1777; Jacob Ford, Jr., July 1, 1776; and Gabriel H. Ford (son of Jacob Ford, Jr.), Jan. 27, 1848. Jacob Ford, Jr.'s will authorizes his executors to sell his half interest in Mt. Pleasant Forge, his complete interest in Middle Forge and adjacent mountain lands for use of the forges. The will also discusses the lease of the Ford property to John Jacob Faesch. The Gabriel H. Ford will devises his land and estate near Mt. Pleasant, and his moiety in Hibernia Mine.

Ford, Jacob, Jr. - Will

Manuscript transcript copy of the Will of Jacob Ford, Jr., dated July 1, 1776. In Cobb Collection Box 9-1, Folder 1, Morristown-Morris Township Library.

Fowler, Alex D., comp.

1983 **Faesch Genealogy and Correspondence.** Typescript with photocopies of original John Jacob Faesch correspondence.

Translations are provided for the correspondence. In Collection of Morristown-Morris Twp. Library.

Unpublished manuscript including Faesch genealogy from Archives in Switzerland and collection of eighteenth-century Faesch Family letters, many to John Jacob Faesch in America. Includes some information relative to his ironworks association.

Halsey, Edmund D.

Abstracts, Surveys and Search Notes - Denville, Rockaway, etc. Edmund D. Halsey Papers ca 1828-1905

One cardboard file drawer, containing abstracts of titles, wills, deeds, some sketches/plottings of tracts in the Denville-Rockaway Township area. Includes data on the Kitchell Family, Baker land at Mt. Pleasant and the Copperas Tract. On file at Morristown-Morris Twp. Library.

Field Book & Surveys 1869-1879 2 Vols.

Written metes and bounds survey information in Rockaway Township area, including for Mt. Hope Mining Company, the Mt. Pleasant school house, Moses Tuttle's former property and the Hoff Mine. Is in light pencil and is somewhat hard to read. On file at Morristown-Morris Twp. Library.

Hibernia Furnace – letters from Joseph Hoff to Lord Stirling 1774

(Hoff - manager of Hibernia Furnace). On file at Morristown-Morris Twp. Library.

Negative microfilm photocopies from Alexander Papers in New York Historical Society, 32 letters, all 1774, 4 letters from John Jacob Faesch to Lord Stirling 1781, only a small amount of Alexander Papers relate to Hibernia, almost no information in Alexander Papers re: Hibernia after 1774. The Hoff letter book covers that later period.

The letters discuss woodcutting for charcoal, rebuilding the furnace and its hydropower

system, financial difficulties and labor problems. There is an order for iron from Denmark Forge in 1774 and negotiations over water rights from Burnt Meadow Brook. This collection is a wonderful primary source of data relating to eighteenth-century Hibernia Furnace operations. Somewhat difficult to read since they are old microfilm copies.

Hibernia, NJ – Hibernia Furnace

“State of the Case Between Lord Stirling and Daniel Cooper Esq.” c 1772. On file at Morristown-Morris Twp. Library.

Discussion of ownership and indebtedness of Hibernia Furnace.

Hibernia Underground RR Co.

Letters, bills, misc. papers 1889-94, 25 pieces. On file at Morristown-Morris Twp. Library.

Covers building of railroad to mine, 1894 bill for excavating tunnel for railroad and litigation re: condemnation of land for railroad, Glendon Iron Co. lease, some correspondence, bills, receipts.

Historical Office, Picatinny Arsenal

1991 **Itinerary for a Historic Tour of Picatinny Arsenal**, Headquarters of the U.S. Army Armament Research, Development, and Engineering Center, Picatinny Arsenal, NJ.

Lists buildings considered significant by Picatinny Arsenal Historical Office. Buildings are referenced by same number system used in Evaluation of Historic Structures (Harrell 1993), so can match photos with histories. On file at Picatinny Arsenal.

Hoff letters written at Hibernia, NJ, between March 10, 1775 and July 10, 1778

51 letters by Joseph Hoff and 13 by Charles Hoff, Jr. On file at Morristown-Morris Twp. Library.

Typewritten copies from unpublished typescript. Original letters in Morristown Nat'l His. Park, Manuscript No. 1111. Letters deal

with Hibernia furnace operation and iron prices etc. Some relate to Faesch and Erskine.

Howell, Hazel

1973 **Research Report Re The Colonel Jacob Ford, Jr./John Jacob Faesch Manor House at Mount Hope, Township of Rockaway, County of Morris, New Jersey.** Submitted to the National/State Register of Historic Sites, Sponsored by the Rockaway Township Historic Preservation Society, Inc., unpublished manuscript. On file at the Morristown-Morris Twp. Library.

Overview history of John Jacob Faesch and the Ford/Faesch House at Mt. Hope. Includes ownership of the Mt. Hope iron furnace and mine property, Faesch genealogy and a physical description of the Ford/Faesch House. Contains an extensive bibliography relating to Mt. Hope, Faesch, the Ford Family and New Jersey iron.

Letter from William Jackson of New York to Rev. Joseph F. Tuttle of Rockaway, Feb. 1859

On file at Morristown-Morris Twp. Library. Eyewitness account of early nineteenth-century Rockaway-Dover area. Includes information on families, genealogy, the local iron industry, forge operators, mines, etc. The Picatinny iron forges are discussed.

Morris County Deeds

Copied or abstracted by John D. Canfield, Lemuel B. Garretson and others, 1750-1840, with index compiled by Barbara Hoskins, 1970. On file at Morristown-Morris Twp. Library.

Unpublished typed manuscript of various abstracted Morris County deeds. Includes deeds for the various Picatinny forge owners, and for their other land holdings in Morris County (not the Picatinny forges).

Morris County Deeds, 1759 (copy) 1775-1925

Box 1 (uncataloged), in basement vault. On file at Morristown-Morris Twp. Library.

Numerous Rockaway Twp deeds 1853-1911, includes deed for part of Hibernia Great Tract, 1853.

Morris Co., NJ Road Returns

Book A 1760-1795. On file at Morristown-Morris Twp. Library.

Contains some road returns relating to Mt. Hope/ Hibernia area. Subsequent road books should be consulted.

Mt. Hope Mining Co. Store script

Rockaway, NJ. uncut, printed sheets of script in denominations of \$.05, .10, .20, .25, .50, \$1, \$2, and \$3, May 20, 1863.

Has engravings of mining operations on the script.

New Jersey Senate Bill No. 102 State of New Jersey, Supplement to Act Entitled, "An Act For Facilitating The Communication From Morristown In The County of Morris, Through Dover, Mount Pleasant, and From Thence to Sparta in the County of Sussex: Re: Union Turnpike Co.

n.d. but apparently shortly after 1807. On file at Morristown-Morris Twp. Library.

Bill allows for the turnpike company to raise funds to repair/reconstruct the Union Turnpike. It also entails permission to erect toll gates across the road, charge tolls and set toll rates. The Union Turnpike passed through Mt. Pleasant, very near to the forge.

Oram Collection

On file at Morristown-Morris Twp. Library.

The Oram Collection contains personal and business records of Charles Hoff, Jr., Moses Tuttle, Samuel S. Beach, Joseph DeCamp and others, such as John Jacob Faesch. Documents generally date from 1777 to 1840 and include letters, accounts, bills, receipts, bonds, promissory notes, iron and merchandise orders, land survey maps, estate papers, deeds, Revolutionary War papers, etc. Primary materials for Mt. Hope, Hibernia and Mt. Pleasant ironworks are included. Generally, this collection is an

outstanding source of material for the Picatinny area forges.

Perry, Kevin

One page description of Walton Burial Ground, relying heavily on Munsell, supplemented by research from Kevin Perry. Mr. Perry is in the Picatinny Arsenal Security Office and has compiled extensive historical research for the Picatinny area.

Picatinny Arsenal, Public Works Office, Land Acquisition File 1940-41

Correspondence regarding 6' dam at G. W. Calling property, 55 Union Turnpike, Wharton (corner Union Turnpike and Picatinny Rd). On file at Picatinny Arsenal.

Correspondence may relate to the possible hydropower seat of one of the Mt. Pleasant forges.

Pilch Collection

On file at Morristown-Morris Twp. Library. The Henry W. Pilch Collection was created by Henry W. Pilch, a life-long title researcher and genealogist in Morris County who worked for a title search company. Pilch was also active in the Morris County Heritage Commission. The collection includes a vast array of original deeds, title searches, maps, notebooks, manuscripts, title search ledgers from the title company of Minton & Day, etc., all for Morris County. Much of the collection has been split up and is in various locations. The deeds range from the eighteenth to the nineteenth century. Much of the title information is found in nine, 4-drawer file cabinets; most data are filed by place name and in alphabetical order. Another important component of the collection is a partial index of East Jersey Proprietors' land grants and maps for Morris County.

Iron-related title information includes deeds for Hibernia Mine, Hibernia village and Beach Glen. Of particular interest are the deed collections below:

**Pilch
File
Deeds
Morris County** Ford Family Maps and Deeds (fragments) to original Ford property, now Washington's Headquarters, Morristown NJ, 1771.

Includes sketch tract maps of Washington's Headquarter's land and surrounding tracts. Also contains Pilch genealogy of Ford Family members who were associated with Picatinny forges.

**Pilch
File
Deeds
Morris County**

Rockaway Township, NJ. Misc. early deeds to property in Rockaway Twp, NJ, 1793

Includes deed for Rockaway (Borough) Upper Forge Lot and the gristmill lot.

**Pilch
File
Deeds
Morris County**

Miscellaneous early deeds to property in Rockaway Township.

Deeds for various Rockaway Township families, including Righter. The Righter data are a title abstract for the Middle Forge property at Picatinny.

**Pilch
File
Deeds
Morris County
East Jersey
Returns**

Abstracted by Horace Chamberlain from the Records in the East Jersey Proprietor's Office in Perth Amboy.

Extensive collection of Proprietors' deeds, including for forges in Rockaway Twp. and for land belonging to the various Picatinny area forge owners (not for the Picatinny ironworks themselves).

**Pilch
File
Kitchel
Mathias D.**

Kitchel, Mathias D.
Abstracts of title of Matthias D. Kitchel to the homestead farm along Rockaway River, Morris Canal, and Beaver Brook. Same family as at Denmark Forge area?

**Pilch
File
Deeds
Morris County**

Ford Family. Collection of early deeds & surveys owned by Jonathan Ford; Charles Ford & Edwin Ford 1724-1862.

Among various papers this collection includes deeds for a

finery forge and sawmill in Hanover and the lease for an ironworks on the Whippany River in Morris County. Also included are a deed for the Hunting Meadow at Mt. Hope, a survey for Jacob Ford at the head of Burnt Meadow Brook and the transcript of John Jacob Faesch's 1794 lease of Mt. Hope.

**Guy Minton
Title Searches**

On file at Morristown-Morris Twp. Library. 88 handwritten ledgers containing title searches, deeds, mortgages, wills, drawings of deed tracts, etc. throughout 19th century for Morris County. Indexed in 1991 by Wilma Sagurton (Vols 3-7 are missing).

Although the indexes contained numerous references to the names of the Picatinny area forge owners, no deed information specifically relating to the Picatinny forges was found. Some deed information was discovered for the Longwood Great Tract and Longwood Forge.

Potts, Clyde Collection

On file at Morristown-Morris Twp. Library. Clyde Potts was a prominent twentieth-century civil engineer who specialized in municipal water supply and sewage systems. Mayor of Morristown for over 20 years, he was a major proponent for the creation of Morristown National Historical Park. Potts was a property owner at Lake Denmark, perhaps in association with the Lidgerwood Family, and provided expert testimony during the U.S. Government's condemnation proceedings to acquire Lake Denmark. His papers are minimal and only briefly mention his involvement in this issue. [See Clyde Potts Photo Collection for Lake Denmark 1936-38 views.]

Rutsch, Edward S., William Sandy, Richard F. Porter and Leonard G. Bianchi

1986 *Cultural Resources Investigations of the Proposed Mt. Hope Pumped Storage*

Hydroelectric Facility and Transmission Lines, Rockaway and Jefferson Townships, Morris County, New Jersey. Historic Conservation and Interpretation, Inc., Newton, NJ, for Tippetts-Abbett-McCarthy-Stratton, New York, NY and Bloomfield, NJ, August.

Unpublished baseline study on the Mt. Hope mine and iron furnace. Includes information regarding John Jacob Faesch and the Ford/Faesch interests in the Picatinny area forges and mines.

Rutsch, Edward S. and Holly van Voorst

- 1991 **Cultural Resources Survey Report C of the Proposed Mt. Hope Pumped Storage Hydroelectric Facility and Transmission Lines, Rockaway and Jefferson Townships, Morris County, New Jersey,** Historic Conservation and Interpretation, Inc., Newton, NJ. Prepared for TAMS Consultants, Inc., New York, NY.

Describes cartographic sources for Picatinny area and notes that maps show 85 potential historical archeological sites, the bulk of them being within the Arsenal.

Sandy, William and Edward S. Rutsch

- 1992 **Stage One Cultural Resources Survey of Three Areas for the Proposed Mt. Hope Pumped Storage Hydroelectric Facility, Rockaway and Jefferson Townships, Morris County, New Jersey,** Historic Conservation and Interpretation, Inc., Newton, NJ. Prepared for TAMS Consultants, Inc., New York, NY.

This document is a "Management Summary" of a culture resource survey for a proposed transmission line across Picatinny Arsenal. It describes the prehistoric potential of the area, mentions two previously examined historic sites – the Blakely and Palmer homesteads – and a charcoal kiln site discovered on top of Copperas Mountain.

Scherzer, Robert, Frederick B. Cobbett and Henry W. Pilch, Morris County (N.J.)

- 1938-1939 **An Index of Ancient Deeds &c. Recorded**

in the Office of the Secretary of State - Trenton, N.J. Covering lands within the bounds or in the vicinity of the present Morris County. On file at Morristown-Morris Twp. Library.

Unpublished typed manuscript that lists mostly eighteenth-century (and some early nineteenth century) deeds for Morris County. Includes references for Rockaway area and some of the forge owners at Picatinny. Listings for Jacob Ford and John Jacob Faesch are included and mention various ironworks.

Schroeder, Harold W. Collection

Microfilm collection at Morristown-Morris Twp. Library. Includes title search information for almost all of Rockaway Twp and parts of Morris and Passaic counties. Much land grant data are from Proprietors' records and plottings are provided for many of these land grants. Contains much information on Denmark and Mt. Hope tracts, and also for Long Pond, Ringwood, Charlotteburg, Splitrock and Copperas tract. Three reels of microfilm.

Short and Ford, Architects

- 1984 **Ford-Faesch House, Mount Hope, NJ: Report on Existing Conditions,** Princeton, NJ. Prepared for the Historical Society of the Rockaways, Hibernia, NJ. New Jersey Survey Report No. H89.

Architectural description of the Ford-Faesch house.

Springstead, Brenda L.

- 1980 **Documentation for a Determination of No Adverse Effect, Berkshire Valley Road, Jefferson Township, Morris County, New Jersey, RS-115(005),** Bureau of Environmental Analysis, NJ Department of Transportation, Trenton, NJ, New Jersey Survey Report No. F73.

Not very informative, since markings on maps included to show sites and study area did not copy.

Tuttle-Hoff Papers

On file at Morristown-Morris Twp. Library.

The Tuttle-Hoff Papers, dating from 1761 to 1891 and also from 1920 and 1942, contain the personal and business records of Moses Tuttle, Charles Hoff, Jr., Harriet Hoff, Samuel S. Beach and John Jacob Faesch. Records include letters, accounts, bills, receipts, bonds, promissory notes, iron and merchandise orders, land survey maps, estate papers, tax records, etc. and document the iron industry in Mt. Hope, Mt. Pleasant and Hibernia. Some of the iron transactions are between the Mt. Pleasant Forge, Denmark Forge and the

Israel Canfield & Co. operations in Dover. Some data relate to the Faesch lease of the Ford forges and include inventories of the commodities in the Mt. Pleasant Store. Overall, the papers are an outstanding collection of primary source material for the Picatinny area ironworks.

Voorhees Britten & Co.

Business records (balance sheet accounts for store in Morristown, 1831-67. On file at Morristown-Morris Twp. Library.

Only item of interest is one Aug. 1835 letter to order iron from Joseph T. Hoff in Mt. Pleasant.

VERTICAL FILES

Faesch Family

Vertical File at Morristown-Morris Twp. Library.

Almost no information of interest. Did include a few letters regarding Faesch background.

Harriman Family

Vertical File at Morristown-Morris Twp. Library.

Includes some biographical information on Moses Tuttle, who was associated with Mt. Pleasant Forge.

Hoff Family

Vertical File at Morristown-Morris Twp. Library.

Contains only a few genealogical items for the Hoff Family, associated with Mt. Pleasant Forge.

Lake Denmark

Vertical File at Morristown-Morris Twp. Library.

Newspaper articles regarding 1926 explosion and U. S. Government condemnation proceedings to acquire additional Lake Denmark property.

Land Titles VI Rockaway

Vertical File at Morristown-Morris Twp. Library. Plotting from S. E. Halsey Field Book.

Includes Map of Scott Mine Lot and bond or mortgage on steel works and forge in Rockaway Borough 1852.

Morris Co. Iron Mines & Mining

Vertical File at Morristown-Morris Twp. Library.

Series of nineteenth- and twentieth-century newspaper articles on Morris Co. mining, 3 folders.

Collection of newspaper articles relating to present-day abandoned mine safety issues, historic mine operations in Morris County in the nineteenth and twentieth centuries (including Richard Mine near Mt. Pleasant and Mt. Hope Mine, also 1970s revival attempts at Mt. Hope) and iron forges and furnaces in Morris County.

Morris Co. Land Titles VI Rockaway, Plotting from S. E. Halsey Field Book

Vertical File at Morristown-Morris Twp. Library.

Mostly downtown Rockaway Borough tracts next to Morris Canal and canal plane. Also, Jackson forge lots and Scotts Mine.

Morris Co. Mineralogy

Vertical File at Morristown-Morris Twp. Library.

Newspaper articles on uranium mines, Ogdensburg, and Franklin mines. List of minerals found in Morris Co., compiled by WPA in 1937, and list of building stones of Morris County.

Morris Co., Mt. Hope - Ford-Faesch House

Vertical File at Morristown-Morris Twp. Library.

Extensive newspaper article file on efforts to preserve the Ford-Faesch House, including background information on the house and Faesch himself.

Morris County Road Returns

Vertical File at Morristown-Morris Twp. Library.

Mostly for Morristown/Hanover area. Seems like Pilch collection material. Many WPA transcripts of road returns.

Mount Hope

Vertical File at Morristown-Morris Twp. Library.

Newspaper clippings regarding the Mt. Hope Mine, the mine baseball team, attempted reactivation of the mine in the 1970s, renovation of former mine workers' housing, the Ford/Faesch House, early twentieth-century

operation of the Mt. Hope Mine, reminiscences regarding mining at the Richard Mine, etc.

New Jersey Iron Mines & Mining

Vertical File at Morristown-Morris Twp. Library.

Information on Clinton Furnace and ironworks at Allaire and Batsto.

Righter Family

Vertical File at Morristown-Morris Twp. Library.

No information of interest.

Spicer Family

Vertical File at Morristown-Morris Twp. Library.

Some genealogical information on the Spicers of Spicertown (Mt. Hope).

Tuttle Family

Vertical File at Morristown-Morris Twp. Library.

No material of interest.

Walton Family

Vertical File at Morristown-Morris Twp. Library.

Genealogical information from Munsell 1882 and handwritten data, mostly dates of births and deaths of family members.

Morris County Records

Hall of Records, Morris County Court House, Morristown, NJ

Incorporation Books

Includes name of company, date of incorporation, names of directors, capital invested, purpose of company, location of operation, etc.

Corporations found in general vicinity of Picatinny ironworks:

*The Mt. Pleasant Mining Co., 1889
The Split Rock Forge and Mining Co., 1879
Kitchell Mining Co., 1875
Denmark Water Company, 1889
Mt. Pleasant School District, 1853
Mt. Hope School District No. 3, 1855
Mt. Hope School District, 1865*

Morris County Deeds and Mortgages

Collection of indexed deeds extending back to 1785. The full chain of ownership of the Picatinny area ironworks is available, back to that period. Earlier deeds would be on file at the East Jersey Proprietor's Office. Mortgages document the loans that were made against the various ironworks properties and whether they were ever satisfied.

Morris County Surrogate's Records

The Morris County Surrogate's records span the period from 1804 to the present;

the earlier information is located at the New Jersey State Archives in Trenton.

The Morris County Surrogate's records were checked for pertinent wills, inventories, estate proceedings, estate divisions, etc. for all of the known Picatinny area forge owners and operators. Very little information of use was found. An 1819 inventory for Moses Tuttle (Mt. Pleasant) is available, but lists his household goods

rather than the contents of his forge. Ore from his mine and planks for his mill are included in the list. Similarly, listings for the Hoff family at Mt. Pleasant are found, but provide very little data relative to the Mt. Pleasant Forge. Charcoal and timber sources are discussed. Only a partial inventory exists for John Jacob Faesch's estate and includes no information about his Mt. Hope/Picatinny ironworks.

New Jersey State Archives *Trenton, New Jersey*

Wills and Estates

Includes original copies of all New Jersey wills and inventories filed prior to 1901. Among their collection is an inventory for John Jacob Faesch's estate, including a 1799 brief listing for his holdings at Mt. Hope furnace.

Chancery Court Records

Collection of New Jersey Chancery Court proceedings. In this collection are several court cases relating to settlement of John Jacob Faesch's estate, some relating to Col. Jacob Ford Jr.'s estate. These cases encompass Mt. Hope and the Picatinny area forges and provide some specific testimony about the state of these works that is probably not available anywhere else.

CENSUS DATA

US Census Products of Industry

1820 Excellent source of early nineteenth-century information on New Jersey forges/ironworks in general and for Morris County and Picatinny area forges. Census is well indexed by name of ironworks or owner of works. Description of individual works includes materials, values, production and sometimes a statement from the owner regarding his iron operation.

US Census Products of Industry

1850 Listings of owners, ironworks, iron mines, raw materials utilized and their values; type, quantity and value of yearly production; and number of employees and wages.
1860
1870
1880

NEW JERSEY TAX RATABLES

Lists of assessed valuations of individual properties in New Jersey from at least the last quarter of the eighteenth century through the first quarter of the nineteenth

century. These ratable records are on file at the New Jersey State Archives and also are on microfilm. The films for Morris County are available at the Morristown-

Morris Twp. Library.

The Pequannock Twp. Ratables (containing the Picatinny area ironworks) exist for 1778-1822. The ratables provide the name of the property owner, the number of improved and unimproved acres that he owned, the assessed value of that land, the

assessed value of livestock that he owned, whether the individual owned an iron forge or furnace or other mill (and sometimes the number of fires in a forge), the number of slaves that he owned and an overall assessed value. Listings are available for specific Picatinny ironworks, providing important, early descriptive data.

MISCELLANEOUS

Deed Files for land comprising Picatinny Arsenal

On file at Picatinny Arsenal, Public Works Office.

Includes bound notebooks full of typed transcripts of deeds relating to Middle Forge, Mt. Hope, Mt. Pleasant, Spicertown and the Lake Denmark area. Deeds extend back to turn-of-the nineteenth century but do not reflect a complete title abstract of the arsenal land.

Memo regarding Riparian Rights at Lake Denmark, Picatinny Arsenal, July 29

1948 From Picatinny Post Engineer to the District Engineer, New York District.
From PA File 1504-02 Prop. Aquic Riparian

Rights, Lake Denmark, Picatinny Arsenal Public Works Offices.

Memo describes Lake Denmark's size and capacity, its dam and repairs that were performed at the dam by the Arsenal.

Preliminary Report on Cost of Engineering Investigation and Analysis For Spillway Reconstruction, Lake Denmark, Picatinny Arsenal, Dover, New Jersey

1947 On file at Picatinny Public Works Office.

Description of existing conditions at Lake Denmark dam in 1947, including the dam's construction, cross section, spillway, and culverts. Included are plan and section drawings of the dam.