

**PATRICK FARRELL PAPERS- Inventory of Collection**

**Box 1**

- Albertson and Douglas Machine Co. 1867- three items of correspondence
- American Mineral Co.- bonds, stock purchase agreement
- American Mineral Co.- title, synopsis
- American Mineral Co.- papers relating to title
- American Mineral Co.- documents related to Sanford Ore Bed and adjoining land with map (1856)
- D. M. Arnold- map (2-23-1865) of Port Henry lake shore from Craig Harbor to South of Tannery Brook
- D. M. Arnold- documents, notes, map, and correspondence related to the railroad connecting Sanford Ore Bed with Cedar Point
- L. Atwood- correspondence related to steam boiler
- G. Babcock- correspondence relating to account of Port Henry Iron Ore Co.
- W.A. Beach- three items of correspondence
- J. B. Brinsmade- documents, notes, and correspondence 1863-73
- County Clerk Filings- two items of correspondence
- Fisher Iron Co.- two items of correspondence, certificate of diminution of capital Stock
- F. P. Fletcher- correspondence related to mortgage
- J. Griswold- correspondence related to incorporation of Port Henry Mining Co., copy of certificate of incorporation
- A. C. Hand- several items of correspondence
- L. C. & M. Railroad- an analysis of transportation costs 1869-75
- John A. Lee- bill of sale for personal (mining related) property
- B. Miller- two items of correspondence
- Miscellaneous and Unclassified- legal opinions, memorandum
- Ore Sales Agreements- Port Henry Iron Ore Co., Witherbees, Sherman, & Co.
- Ore Shipments- Port Henry Iron Ore Co., Witherbees, Sherman, & Co.
- R. Remington- correspondence
- G. Roe- correspondence
- A. J. Rousseau- copy of judgement
- S. Stilwell- correspondence
- N. Storrs- statements and an affidavit relating to Ore Bed 21
- H. Van Rensselaer- correspondence and documents
- A. B. Waldo- various items of correspondence
- Port Henry Iron Ore Co. of Lake Champlain- copy of certificate of incorporation, Correspondence
- Lot 21 Title Record
- Port Henry Iron Ore Co.- records of tonnage, costs, etc.
- Whitehall Transportation Co./ E. E. Davis- correspondence
- Port Henry Iron Ore Co.- annual reports 1879-1929
- Port Henry Iron Ore Co. & Witherbees, Sherman, & Co.- wage (rates) and payroll Statements 1863, 1874, 1886, 1891

J. F. Winslow- biographical data, correspondence  
Witherbees, Sherman, & Co.- correspondence, copy of certificate of incorporation  
American Railroad Journal- copies Sept., Aug. 11, May 12, 1849  
American Inst. Of Mining and Metallurgical Engineers, Mining and Metallurgy,  
“Adirondack Iron Mining”, Nov 1943.

## Box 2

- A.I.M.E. (American Institute of Mining, Metallurgical and Petroleum Engineers)-  
list of meetings/localities, list of articles, etc.
- A.I.M.E. (copy from) Vol. II (1873), “The Manufacture of Bessemer Pig-Metal at  
the Fletcherville Charcoal Furnace Near Mineville, Essex County, New  
York”
- A.I.M.E. (copy from) Vol. IV (1876), “The Cedar Point Iron Company ‘s Surface  
No. 1 at Port Henry, Essex County, N.Y.”
- A.I.M.E. (copy from) Vol. XVIII (1889-90), “Stripping Ore Deposits”
- A.I.M.E. (copy from) Vol. XVIII (1889-90), “Electricity and Haulage”
- A.I.M.E. (copy from) Vol. XVIII (1889-90), “Crystalline Magnetite in the Port  
Henry, New York Mines”
- A.I.M.E. (copy from) Vol. XIX (1890-91), “The Iron Ores of the United States”
- A.I.M.E. (copy from) Vol. XIX (1890-91), “The Development of American Blast-  
Furnaces”, with special references
- A.I.M.E. (copy from) Vol. XIX (1890-91), “Progress in Magnetic Concentration  
Of Iron Ore”
- A.I.M.E. (copy from) Vol. XIX (1890-91), “The Ball-Norton Electromagnetic  
Separator”
- A.I.M.E. (copy from) Vol. XIX (1890-91), “The Magnetization of Iron Ore”
- A.I.M.E. (copy from) Vol. XX (1891), “The First Iron Blast Furnaces in  
America”
- A.I.M.E. (copy from) Vol. XX (1891), “A Review of the Iron Mining Industry  
of New Jersey”
- A.I.M.E. (copy from) Vol. XX (1891), “40% Concentrate Total Ore-Charge”
- A.I.M.E. (copy from) Vol. XX (1891), “The Magnetic Concentration of Iron Ore”
- A.I.M.E. (copy from) Vol. XXI (1892-93), “Proceedings of the Sixty-second  
Meeting, Hotel Champlain, Near Plattsburgh, N. Y., June 1892”
- A.I.M.E. (copy from) Vol. XXI (1892-93), “Contribution to the Early History of  
the Industry of Phosphate of Lime in the U.S.”
- A.I.M.E. (copy from) Vol. XXI (1892-93), “Note On the Magnetic Separation  
of Iron-Ore at the Sanford Ore-Bed, Moriah, Essex Couty, New York  
in 1852”
- A.I.M.E. (copy from) Vol. XXI (1892-93), “The Chase Magnetic Ore Separator”
- A.I.M.E. (copy from) Vol. XXI (1892-93), “Magnetic Concentration at Tilly  
Foster”
- A.I.M.E. (copy from) Vol. XXI (1892-93), “ The Talc Industry of the Gouveneur  
District, St. Lawrence County, New York”
- A.I.M.E. (copy from) Vol. XXI (1892-93), “Titaniferous Ores in the Blast-  
Furnace”

- A.I.M.E. (copy from) Vol. XXII (1893), "Geological Distribution of the Useful Metals"
- A.I.M.E. (copy from) Vol. XXIV (1894), "Early Days of the Iron Manufacture" (with remarks)
- A.I.M.E. (copy from) Vol. XXV (1895), "Notes On Magnetization and Concentration of Iron-Ore"
- A.I.M.E. (copy from) Vol. XXV (1895), "The Magnetic Separation of Iron-Ore"
- A.I.M.E. (copy from) Vol. XXVII (1897), "The Geology of the Magnetites from Port Henry, N. Y., and Especially Those of Mineville"
- A.I.M.E. (copy from) Vol. XXVII (1897), "The Development of Lake Superior Iron-Ores"
- A.I.M.E. (copy from) Vol. XXVII (1897), "The Development of Lake Superior Iron-Ores"
- A.I.M.E. (copy from) Vol. XXVII (1897), "The Iron-Ore Supply"
- A.I.M.E. (copy from) Vol. XXVI (1897), "The Marquette Range- Its Discovery, Development and Resources"
- A.I.M.E. (copy from) Vol. XXVII (1898), "Notes on Tuyeres in the Iron Blast-Furnace" (with discussion)
- A.I.M.E. (copy from) Vol. XXIX (1899), paragraph from, "Investigation of Magnetic Iron-Ores"
- A.I.M.E. (copy from) Vol. XXIX (1899), "The Characteristics and Conditions of the Technical Progress of the Nineteenth Century"
- A.I.M.E. (copy from) Vol. XXIX (1899), "American Transcontinental Lines" (with discussion)
- A.I.M.E. (copy from) Vol. XXIX (1899), "Reminiscences of the Early Anthracite Iron Industry"
- A.I.M.E. (copy from) Vol. XXXII (1901), "The Iron Mountain and the Plant of the Mexican National Iron and Steel Co., Durango, Mexico"
- A.I.M.E. (copy from) Vol. XXXIII (1902), "The Metallurgy of Titanium"
- A.I.M.E. (copy from) Vol. XXXIV (1904), "Compressed Air Motors for Gathering Cars in Coal Mines", mention W. S. & Co. mines
- A.I.M.E. (copy from) Vol. XXXV (1905), "Special Forms of Blast-Furnace Charging Apparatus"
- A.I.M.E. (copy from) Vol. XXXV (1905), "The Use of High Percentages of Mesabi Iron-Ores in Coke"
- A.I.M.E. (copy from) Vol. XXXV (1905), "Stock Distribution and Its Relation to the Life of a Blast-Furnace Lining", a discussion of a paper
- A.I.M.E. (copy from) Vol. XXXVI (1906), "The Manufacture and Characteristics Of Wrought Iron", "The Manufacture and Use of Wrought Iron"
- A.I.M.E. (copy from) Vol. XXXVI (1906), "Blast-Furnace Practice", part only
- A.I.M.E. (copy from) Vol. XXXVII (1906), "President Hunt's Address", at London meeting
- A.I.M.E. (copy from) Vol. XXXVII (1906), "The Ancient Copper Mines of Lake Superior"
- A.I.M.E. (copy from) Vol. XXXVIII (1907), "Blast-Furnace Practice"
- A.I.M.E. (copy from) Vol. XL (1909), note of T. F. Witherbee's death, bio-

- graphical notice of Thomas F. Witherbee
- A.I.M.E. (copy from) Vol. XL (1909), "The Clinton Iron-Ore Deposits in New York State"
- A.I.M.E. (copy from) Vol. XLI (1910), biographical notice of Charles B. Dudley, Ph. D.
- A.I.M.E. (copy from) Vol. XLII (1911), "The United States Iron Industry from 1871 to 1910"
- A.I.M.E. (copy from) Vol. XLIII (1912), "Notes on Titanium and on the Cleansing Effect of Titanium on Cast Iron"
- A.I.M.E. (copy from) Vol. XLIII (1912), "The Sintering of Fine Iron Bearing Materials by the Dwight and Lloyd Process"
- A.I.M.E. (copy from) Vol. XLIV (1912), "The Concentration of Iron-Ores"
- A.I.M.E. (copy from) Vol. XLIV (1912), "The Bearing of the Theories of the Origin of Magnetic Iron-Ores on their Possible Extent"
- A.I.M.E. (copy from) Vol. XLIV (1912), "The Briquetting of Iron Ores"
- A.I.M.E. (copy from) Vol. XLVIII (1914), "Applications of Electricity to Mines And Mills of Witherbee, Sherman & Co. Inc., Mineville, N.Y."
- A.I.M.E. (copy from) Vol. LI (1915), "Housing and Sanitation at Mineville"
- A.I.M.E. (copy from) Vol. L (1914), "Turbo Blowers for Blast-Furnace Blowing"
- A.I.M.E. (copy from) Vol. L (1914), "The Reserves of Iron-Ore for the United States"
- A.I.M.E. (copy from) Vol. LII (1915), "Speech by F. L. Brown at San Francisco Meeting"
- A.I.M.E. (copy from) Vol. LII (1915), "Biographical Notice of John Birkinbine"
- A.I.M.E. (copy from) Vol. LVI (1916), "The Magnetic Concentration of Low Grade Iron-Ores"
- A.I.M.E. (copy from) Vol. LVI (1916), "The Proceedings of the New York Meeting", Re: Herbert Hoover
- A.I.M.E. (copy from) Vol. LVII (1917), "Portable Miners Lamps"
- A.I.M.E. (copy from) Vol. LXII (1920), "Andrew Carnegie"
- A.I.M.E. (copy from) Vol. LXX (1924), "What is Steel?"
- A.I.M.E. (copy from) Vol. LXXXI (1925), "Brief History of Metallurgical Practice in Cannon-Making with Particular Reference to the Cast-Iron Gun"
- A.I.M.E. (copy from) Vol. LXXII (1925), "Mining Methods in the Mineville, N.Y. District"
- Proceedings of the American Iron and Steel Institute, New York Meeting 1910, Address of President E. H. Gray
- Year Book of the American Iron and Steel Institute (1920), "Address of President Elbert H. Gray", "The American Soldiers"
- Year Book of the American Iron and Steel Institute (1922), "The Importance of the Iron-Ores of the Adirondack Region"
- L.C. & M. (Lake Champlain and Moriah) Railroad, Excerpts from Journals 1869-1894
- Geological Reports, E. Emmons, 1842; Essex, Clinton, and Franklin (counties) Mines and Prospects, Mineville Iron District, W. & S. Co., Early 1900's

Newspapers- Elizabethtown Post 01-24-1864, 12-05-1864, 01-26-1865,  
06-22-1871; Essex County Republican 03-20-1873  
Field Book- Kellogg Survey- North Riverhead tract (file empty as inventory  
was prepared)  
Field Book- Kellogg Survey (1810)- Iron-Ore Tracts; (three maps)  
Small's Patent- Abstract of Title on Premises of Mines and Minerals on Mayme  
Farrell Property, Lot 15  
Iron Mines and Districts New York State- John Smock 1889 (three copies)

### Box 3

Geology Reports- J. F. Kemp includes:  
Kemp, J. F. "The Geology of the Magnetites Near Port Henry, N. Y.  
and Especially Those of Mineville, Transactions of the American  
Institute of Mining Engineers, Vol. XXVII, pgs. 146-203. 1898  
Kemp, J.F. "The Mineville-Port Henry Mine Group", a reprint  
of pages 57-88 of the NYSEdD Bulletin which follows  
New York State Educ. Dept. Bulletin, "Geology of the Adirondack  
Magnetic Iron Ores", Univ. State of New York, Albany, 1908  
two copies  
New York State Museum Bulletin, "The Geology of the Moriah and  
Westport Townships, Essex County, N. Y.", Univ. State of  
New York, Albany, 1895. two copies  
Iron Ores of the United States- John Birkenbine 1889 includes  
Iron Ores  
Statement of Iron Ore Reserves in the United States 1909  
Apatite- "Red Sand" Agreement, Moriah Phosphate Co. 1852 includes:  
three copies of agreement  
handwritten lease proposal to American Mineral Co.  
Engineering and Mining Journal (1906), "The Port Henry Iron Mines" by  
J. H. Granberry two copies; Mining Times Vol. I No. 1 "Salutory"  
4 copies  
J. Birkinbine (1890) "Crystalline Magnetite of the Port Henry, New York, Mines"  
The Port Henry Iron Mines 1849-1903, W. & S. Co. 1904 (a reprint from Iron  
Age, December 17, 1903) two copies  
Report on the Mining Property of W. S. & Co. by C. H. Cady 1898  
Port Henry Iron Co, 1840-48, Horace Gray and others  
Sponge Iron Study, Niagara Mohawk Power Corp., 1930  
L. C. & M. Railroad Co. 1903-08, balance sheets etc.  
L. C. & M. Railroad Co. 1888-1907, 1928 treasurer reports  
L. C. & M. Railroad Co. 1903-29 officers, elections, meetings  
L. C. & M. Railroad Co. 1857, 1863- estimates of construction of a tram railroad,  
Sanford Ore Bed to Cedar Point (one copy 1857, two copies 1863)  
L. C. & M. Railroad Co. – Locomotives (includes a list of locomotives with  
names, manufacturers, dates of manufacture, locomotive and locomotive  
boiler specifications, photographs of several locomotives, commemorative  
photo collection entitled, "Wreck at the Bonanza Light Hole, Oct. 5<sup>th</sup>

1904")

- L. C. & M. Railroad Co. 1916, right of way and track maps
- L. C. & M. Railroad Co. 1916, corporate history (with one map)
- L. C. & M. Railroad Co.- stock book (listing stock holders, their shares of ownership, etc.)
- P. H. I. O. Co. (Port Henry Iron-Ore Co.) 1882-1907 treasurer's reports
- P. H. I. O. Co. 1919, 1924 – reports of iron-ore reserves
- Cubitas Iron-Ore Co. 1911-15, reports of stockholder meetings
- Crown Point Iron Industry- contains a Penfield Foundation history of the Crown Point Iron Co. Railroad (1968), newspaper clippings about the invention of the (Davenport) electric motor, the Crown Point RR, and iron mining in Crown Point, Hammondville, and Ironville, NY
- Early Ironworks- four clippings of articles about the early iron and steel industry in the U.S.A.
- History of Patents- a list of early land patents which make up present day Essex Co. NY
- Peter Kalm, Swedish Naturalist- a translation of the description of his travel, observations, and collections from Albany to Crown Point (Fort St. Frederic) in 1749
- Mining History of Essex Co.- material copied by P. F. Farrell from H. P. Smith, History of Essex County, D. Mason & Co. 1885, indexed by towns of Crown Point, Elizabethtown, Moriah, and Newcomb
- Lake Champlain Iron Co.- contains one copy of a geologist's report on the company's lands prepared for a bankruptcy sale and three copies of a description of the Burt Iron-Ore property
- Magnetic Concentration of Iron-Ore- Engineering and Mining Journal, Vol. 105, No. 20, May 18, 1918 containing an article, E. C. Henry, "Magnetic Concentration of Iron-Ore at Mineville, NY"

#### Box 4

- P.H.I.O. CO.- a proposal for an iron ore concentrating mill at the Clonan Shaft 1920 and Wait Farm 1923 by S. Lefevre, with engineering drawings
- Concentration Tests on Barton Hill Ore 1919 by Robert Richards (two copies) with discussion (one copy)
- Outlying Small Mines 1919- maps and descriptions by F. L. Nason
- Mining Methods at Mineville- contains
  - US Dept of Commerce, Bur. Mines Circular No. 6092 - Methods and Costs of Mining Magnetite in the Mineville District NY, Dec 1928 (two copies)
  - USDC, Bur. Mines Circular No. 6624- Magnetic Concentration Methods and Costs of Witherbee, Sherman & Co., Mineville, NY, June 1932
  - Transactions of the Amer. Inst. of Mining and Metallurgical Engineers, E. C. Smith, "Mining Methods in the Mineville (N. Y.) District", Sept. 1922 (eight copies)

Iron Trade Review, B. S. Stephenson, "Magnetite Iron Deposits at Mineville", Aug 2-Sept 2, 1909

Engineering and Mining Journal Vol. 127 No. 6, A. M. Cummings, "Mining Magnetite in the New York Mineville, District" Feb 9, 1929

An unidentified paper- "The Concentration of Iron Ores in the Mineville District", no date

Old Mines In New York State Described, ca. 1881 (two copies)

Sanford Iron Mine- sketch and report, 1857 (two copies)

Philip Skene (Ironworks)- a reprint of "Philip Skene of Skenesborough" By Doris Begor Morton, The Grastorf Press, Granville, NY 1959

W. S. & Co. Ausable Property- a ca. 1916 description, mention of the Early mining of area, 1980 report on the mineral value

W. S. & Co. Mining and Milling- a report on production 1923-34

W. S. & Co. Securities and Bonds- letter and reports as to how they relate to production, 1939

Newspaper and journal clippings about Mineville operation in 1920's

Port Henry Mining Co. – a report on land holdings and value by A. M. Cummings, Superintendent, 1935

W.S. & Co.- company reply to newspaper reports of employee work and housing conditions, 1913

W. S. & Co.- copy of a lump ore contrac with Cleveland-Cliffs Iron Co., 1927

Document- an agreement for D. Kent and R. Loveland of Westport To supply charcoal to F. Jackson of Westport for his furnaces

W. S. & Co.- Annual Report for 1936

The Miner's Ten Commandments

W. S. & Co.- engineer's sketches of mines, 1913

Survey of Furnace and Lump Ore Trade by Frank Clonan, 1927

USDC, Bur. Of Mines Tech. Paper 528, A Magnetic Study of Some Iron Deposits (E. F. Stratton and J. Wallace Joyce), 1932

W. S. & Co. and P.H.I.O. Co.- 21 Mine- engineering drawings of open pit Pillars

Sale of Lot 34 Iron Ore Tract, Barton Ore Bed- a sale agreement, 1859

W. S. & Co.- Treasurer Reports 1901-1904

W. S. & Co.- engineering sketches and maps of ore bodies in Misc, areas circa 1920

P. H. I. O. Co.- an engineer's report on the company's property by H. M. Roche, 1929

W. S. & Co. – P. H. I. O. Co.- proceedings in US Dist, Court for reorganization of the companies under the bankruptcy act, petition and order, 1937

W. S. & Co.- marketing Mineville ores, a report on the various customers of the company by the Witherbees and W. Foote, no date is shown

W. S. & Co.- Lake Champlain Iron Ores, Analysis Season 1931, a report on the chemical analysis of the company's ores

- W. S. & Co.- Mineville and Witherbee Employees' Independent Bargaining Assn.- copies of correspondence related to efforts of the Association to affiliate with C.I.O., meetings between company and employee representatives, union requests related to working conditions, etc
- W. S. & Co.- Operations, a report on company operations by A. E. Hodgkins 1927
- W. S. & Co.- Geological Reports for Town of Moriah and surrounding area 1907-1921
- W. S. & Co.- Summary of Ore Reserves (copy of a summary by F. L. Nason Of his 1910 report on W. S. & Co.)
- W. S. & Co.- Safety and Accidents- contains accident and hospital report forms, summary of safety costs, summary of safety needs, report on compensation premium costs, an inventory of compensable and noncompensable accidents, mostly 1937
- W. S. & Co.- Ore Valuing Committee- correspondence 1922
- Chateaugay Ore and Iron Co.- various reports on the Lyon Mt. Mining operation of W. S. & Co., mostly 1910 and 1912
- Bay State Iron Co.- Charter and By-Laws, 1880
- Port Henry Sales Corporation- stock certificate to E. W. Peaslee
- W. S. & Co.- valuation of mine properties 1916-1926
- W. S. & Co.- Dillon, Read, & Co. – correspondence related to the construction And financing of a blast furnace
- W. S. & Co.- New York Harbor Blast Furnace Proposal (with correspondence) 1914

#### **Box 5**

- W. S. & Co.- Report On New Bed Ore Treatment by E. C. Henry, 1922
- W. S. & Co.- Report On Monkton, Vt. Property by S. Norton, 1905  
a report on minerals on that property
- Report on Limestone Quarries (Glens Falls, Smiths Basin, Larrabees Point, Whitehall, etc. 1904
- Report On Salisbury Mine Ore Body- report on the ore body near Salisbury Center, Herkimer County, NY, 1910, 1913
- Goff Mines and Ore Lands- A Summary of the History of the Property and The Development Work Done by the Buffalo Union Furnace Co. by Samuel Shapira (1912), correspondence of Republic Steel about the Property (1951)
- Clinton Hematites- report on Clinton red hematite in Clinton, NY by S. Norton ( 1913), another report on magnetite from Clifton Forge property by S. Norton (no date shown)
- St. Lawrence and Adjacent Territory- reports and a few maps on mineral deposits at various locations in St. Lawrence Co. and Jefferson Co. (various dates)
- New Jersey and Adjacent Territory- reports on mineral deposits at various locations in New Jersey (various dates)
- Putnam County and Adjacent Territory- reports on mineral deposits at

various locations in Putnam County, NY (various dates)  
 Eastern Mesaba Magnetic Range and Ore Deposits, Lake Superior Region  
 by George St. Clair, no date  
 Sweden and Lapland Iron Mining Industry by D, W, Newland- report on  
 three separate regions, 1910  
 W. S. & Co.- Report 1924 A. M. Cummings- annual report  
 W. S. & Co.- Report 1923 A. M. Cummings- annual report  
 W. S. & Co.- Report 1922 A. M. Cummings- annual report  
 W. S. & Co.- Report 1921 A. M. Cummings- annual report  
 W. S. & Co.- Report 1920 A. M. Cummings- annual report  
 W. S. & Co.- Report 1919 G. C. Foote and A. M. Cummings  
 W. S. & Co.- Report 1918 H. Comstock and G. C. Foote- annual report  
 W. S. & Co.- Report 1917 H. Comstock and G. C. Foote- annual report

**Box 6**

W. S. & Co.- Report 1916 H. Comstock- annual report  
 W. S. & Co.- Consultant Report 1916 J. E. Johnson Jr.- a report on the  
 company's holdings, operations, costs, etc. by an independent consultant  
 W. S. & Co.- Report 1915 H. Comstock- annual report  
 W. S. & Co.- Report 1914 H. Comstock- annual report  
 W. S. & Co.- Report 1913 H. Comstock- annual report  
 W. S. & Co.- Report 1912 S. LaFevre- annual report  
 W. S. & Co.- Report 1911 S. LaFevre- annual report  
 W. S. & Co.- Report 1910 S. Norton- annual report  
 W. S. & Co.- Report 1909 S. Norton- annual report  
 W. S. & Co.- Reports 1903-1908 S. Norton- annual reports; also contains  
 President's Report 1904, 1905 and Treasurer's Report 1902, 1904  
 S. Norton- Notebook of Printed Articles- Historical Notes- contains copies of  
 three items  
 -"Cornwall Ore Banks" about an iron ore deposit in Lebanon Co., PA  
 (no date)  
 -"On Erratic Iron Ore Deposits in Appalachian Region of the United  
 States", about iron ore and feragenous deposits in northern VT,  
 eastern NY, NJ, PA, MD, VA, NC, SC, AL (1914)  
 -"On Concentrating Lean Magnetic Ores of Iron", about methods of  
 separating magnetic ore from mixtures with non magnetic  
 rock (1915)  
 W. S. & Co.- General Manager's and President's Reports 1902-1908, contains  
 copies of  
 -individual General Manager's reports for 1902 through 1908  
 -individual President's reports 1904, 1905 (with profit/loss stmt.),  
 1908  
 W. S. & Co.- Milling E. & M. J. (?Engineering and Mining Journal) Article  
 1918, 4 Mill- contains copies of  
 -" The Concentration of Magnetic Iron Ore at Mill #4 of the Witherbee  
 Sherman Corp. at Mineville, N.Y."

- “ A Brief Description of the Milling Operations Used in Treating Mineville Magnetites”
- three graphs demonstrating concentration efficiency and costs in relation to months of 1918
- Cheever- Mining 1907-1919 Reports, Statistics contains
  - “Sketch of Cheever Ore Bed” (two copies, one map)
  - two items of correspondence
  - a collection of materials about the Cheever mine including maps, cross-sections, correspondence, formalized agreements, etc
- Cheever Mine Property- Surface Map and Chain of Title, it contains
  - certificate of incorporation for the Cheever Iron Ore Co.
  - search of title to water rights
  - copy of a memo to the Internal Revenue Service
  - surface map of the property
- L. C. & M RR Ore Dock, Design, Cost, Ore Bridge, etc. 1916- contains
  - method of measuring weight of displaced water (and therefore of iron ore in loaded barges (1938)
  - engineering drawing of ore bridge (1916)
  - an agreement for L. C. & M. RR to borrow money from W. S. & Co. and P. H. I. O. Co. for the purpose of building ore docks at Port Henry (1919)
  - an estimate of the cost of the docks (1917)
  - engineering drawing of ore dock (1916)
  - a proposal and specifications for ore bridge (1916)
  - copy of a US Patent on reinforced concrete dock or pier (1914)
  - estimate of cost of ore dock (1915)
- L. C. & M. RR- Wreck of D. & H. Engine 104 Feb. 16, 1904- contains copies of sworn statements from witnesses of the wreck
- Geological Reports- F. L. Nason- Adirondack and Mineville, contains
  - F. L. Nason. “The Importance the Iron Ores of the Adirondack Region”, 1922, five copies, one with maps
  - F. L. Nason. “The Sedimentary Phses of the Adirondack Magnetic Iron Ores”, reprinted from Economic Geology, Vol. XVII, No. 8 December 1922. Three copies
  - a report of F. L. Nason to W. S. & Co. on Orcutt or Sherman Tract and South in Relation to Harmony and Old Bed, 1917
  - three items by F. L. Nason
    - “Lots North of Black Brook”, 1921
    - “Lots North of Lincoln Pond”, 1921
    - “Geology of the Mineville Iron Ore District, Mineville, NY”, no date
- Cubitas Iron Ore Company Report (with photos and maps) 1910, two stock Certificates

## Box 7

- W. S. & Co.- Boynton Report, Brassert Co. 1925, three copies
- W. S. & Co. -P. H. I. O. Co.- Report by Armstrong and Forester, contains
  - the Armstrong and Forrester Report with the separate report of Frank Hutchinson, Consulting Mining Engineer which estimates ore reserves), 1929, two copies
  - also contains a report to National City Bank of NYC prepared for the purpose of assuring the bank of the companies ability to repay their loan and to insure the company debt, 1925, one copy.
- W. S. & Co.- Mines 1936, 1937 by Hotchkiss, Cummings, and Baker- contains
  - “Report on Mines Development (of) Witherbee Sherman Corporation” by F. Baker and A. M. Cummings, 1936
  - “Report on Mine Properties of Witherbee Sherman Corporation” with drawing, by William O. Hotchkiss, 1937
- Ausable Mines- Norton-Ross Report 1916, a report on various ore deposits
- W. S. & Co.- Real Estate Record- a book listing their land acquisitions, mineral rights purchases, water rights, leases, etc.
- W. S. & Co.- a book containing Surface Maps, Township Map, Cross-Sections, Drill Log
- W. S. & Co.- two identical copies of a book containing typewritten copies historical accounts of the development of iron mining in Port Henry, Mineville, Ausable Forks, Black Brook, Chateaugay, Peru, Clintonville, Tahawas, Plattsburgh, Crown Point, northern Washington County, and other northern New York locations. A few of the articles in one of the books are identified by the newspaper and date in which the article may have appeared.
- W. S. & Co.- a book containing a mixture of typewritten articles and published articles about northern New York iron mining history, geology, mining technology, and related topics
- W. S. & Co.- Concentrated Ore Analysis- a book containing handwritten entries of analytical data on ores from various ore beds and machines by date
- W. S. & Co.- Clippings a collection of newspaper clippings about the W. S. & Co. operations from 1935 onward identified by date and source, taken from the following-
  - Glens Falls Times
  - Glens Falls Post Star
  - Plattsburgh Daily Press
  - Plattsburgh Daily Republican
  - Champlain Valley Review
  - Essex County News
  - Ticonderoga Sentinel
  - American Metal Market
  - New York Times

**Box 8**

- Frank Spencer Witherbee and Family- a bound volume paying tribute to his life and family
- F. S. Witherbee. "History of the Iron Industry of Essex County, New York", Prepared for the Essex Co. Republican, 1906. Two copies
- F. S. Witherbee- four items of correspondence relating to excursion rates on the Lake Champlain and Moriah R.R., program of events at Mineville Community Celebration on July 3<sup>rd</sup> and 4<sup>th</sup>, 1916, rules for machine drilling and mucking contests July 4<sup>th</sup>, 1913
- J. G. Witherbee- Memoriam On His Death- a copy of his will, a description of the memorial service for him held at his home, a copy of the obituary notice for his death from the Essex County Republican, and a death notice for him from the New York Tribune
- W. C. Witherbee and Family- contains a copy of the will of Silas H. Witherbee, a copy of a document which arranged for the disposal of the real property of Witherbee, Sherman, & Co., and a full page clipping from the New York Tribune July 8<sup>th</sup>, 1917 describing the war effort in Port Henry
- Clippings I. And Clippings II.- two scrapbooks of clippings from newspapers and iron trade publications describing events in the northern New York mining industry, iron market, iron industry in World War II, social events in the Mineville/Port Henry area, etc. emphasizing the period of Republic Steel's operation of the mines from about 1937 until about 1964.
- W. S. & Co.- Miscellaneous Reports 1884-1929- a loose leaf notebook containing information about the company's operations, properties, ore reserves and values, furnaces, financial outlook, etc.
- Republic Steel Corp.- Adirondack Ore Mines, Mineville, New York- a wooden box containing "aperature cards" (microfilm clips) of information (maps of various kinds, building floor plans, engineering and architectural drawings, cross sections, etc.) prepared by the US Bureau of Mines for the various Republic Steel operations in northern New York (not dated). Includes Mineville, Port Henry, Fisher Hill, sintering plant, Mill #7, Cliff Mine, Nichols Pond Mine, Palmer Hill, Skiff Mountain, Butler, Ellice Patent, Pilsfershire Mines, Peru Steel and Iron, J. J. Rogers Co., Lyon Mountain, Chateaugay, Cheever, Sherman, Ausable, etc. Indexed

**Box 9 (contains bound books as follows)**

- American Chain & Cable Co. Modern Wire Rope Digest. Amer. Chain & Cable Co., Wilkes Barre, PA, 1941
- American Inst. of Mining Engineers (A.I.M.E.). Transactions of the American Institute of Mining Engineers, Vols. XXI to XXV inclusive, A.I.M.E., NY, 1897.
- American Inst. of Mining Engineers (A.I.M.E.). Transactions of the American Institute of Mining Engineers, Vols. XXVI to XXX inclusive, A.I.M.E., NY, 1902.
- Becket, F. M. et al. Modern Uses of Nonferrous Metals, First Ed., A. I. M. E. NY, 1935.

- Bethlehem Steel Co. Structural Shapes, Bethlehem Steel Co., Bethlehem, PA, 1934.
- Breneman, John W. Strength of Materials, McGraw-Hill, NY, 1941.
- Delaware and Hudson Railroad Co., A Century of Progress: History of the Delaware and Hudson Company 1823-1923, J. B. Lyon, Albany, 1925.
- Donaldson, Francis. Practical Shaft Sinking, McGraw-Hill Book Co., NY, 1912.
- E. I. Dupont de Nemours & Co. Technical Service Section. Blasters' Handbook, Twelfth Ed., E. I. Dupont de Nemours Co., Wilmington, DE, 1949.
- E. I. Dupont de Nemours & Co. Sales Development Section. Blasters' Handbook, Fifteenth Ed., E. I. Dupont de Nemours & Co., Wilmington, DE, 1966.
- Eavenson, Howard N. Coal Through the Ages, Second Ed., A.I.M.E. NY, 1939.
- Engineering and Mining Journal Editorial Staff. Handbook of Mining Details, McGraw-Hill, NY, 1912.
- Holtman, Dudley F. Wood Construction-Principles, Practice, Details, First Ed., McGraw-Hill, NY, 1929
- Hool, George A. and N. C. Johnson. Concrete Engineers' Handbook, First Ed., McGraw-Hill, NY, 1918
- Ingersoll-Rand Company. Cameron Hydraulic Data, Tenth Ed., Ingersoll-Rand Co., NY, 1939.
- Ingersoll-Rand Company. Cameron Pump Operators' Data, First Ed., Ingersoll-Rand Co., NY, 1943
- Kidder, Frank E. and Harry Parker. Kidder-Parker Architects' and Builders' Handbook, Eighteenth Ed., John Wiley, NY, 1945.
- Metcalf, Leonard and H. P. Eddy. Sewerage and Sewage Disposal: A Textbook, McGraw-Hill, NY, 1930.
- O'Neil, F. W. (editor). Compressed Air Data, Fifth Ed., Compressed Air Magazine, NY, 1939.
- Rickard, T. A. Technical Writing, Third Ed., A.I.M.E., NY, 1939.
- Taggart, Arthur. Handbook of Mineral Dressing Ores and Industrial Minerals, John Wiley, NY, 1927.
- U.S. Bureau of Mines. Mineral Facts and Problems, 1965 Ed., (U.S.B.M. Bulletin 630), U.S. Dept. Interior, Bureau of Mines, Wash. DC, 1965.
- Williams, C. E. et al. Production of Sponge Iron, U.S. B.M. Bulletin #270, U.S. Dept. Comm., U. S. Gov't Printing Office, Wash. DC, 1927.

**Box 10 (contains bound books as follows)**

- Amer. Institute of Mining and Metallurgical Engineers. Transactions of the American Institute of Mining and Metallurgical Engineers, Vol. LXXII, A.I.M.M.E. NY, 1925.
- Amer. Iron and Steel Institute. Proceedings of the American Iron and Steel Institute, New York Meeting, October 1910, Amer Iron and Steel Inst., NY, 1910.
- Archer, R. S. et al. Molybdenum Steels Irons Alloys, Climax Molybdenum Co., NY, and The Hudson Press, NY, 1948.

- Backert, A. O. (editor). The A B C of Iron And Steel, First Ed., Penton Publishing Co., Cleveland, 1915.
- Backert, A. O. (editor). The A B C of Iron and Steel, Fifth Ed., Penton Publishing Co., Cleveland, 1925
- Beardsley, R. C. Design and Construction of Hydroelectric Plants, McGraw-Hill, NY, 1907
- Crowell & Murray, Chemists and Metallurgists. The Iron Ores of Lake Superior, Penton publishing Co., 1914.
- Hurst, J. E. Melting Iron in the Cupola, Penton Publishing Co., Cleveland, 1929.
- Richards, Joseph. Metallurgical Calculations, Parts I and II, McGraw-Hill, NY, 1918.
- Rickard, T. A. A History of American Mining, McGraw-Hill, NY, 1932.
- Sweetser, Ralph H. Blast Furnace Practice, First Ed., McGraw-Hill, NY, 1938.
- Taylor, Frederick W. et al. Concrete: Plain and Reinforced, Fouth Ed., John Wiley, NY, 1948
- Wysor, Henry. Metallurgy: A Condensed Treatise, Second Ed., The Chemical . Publishing Co., Easton, PA, 1921.

**Box 11 (contains bound books as follows)**

- Chateaugay Ore and Iron Co. A History of the Chateaugay Ore and Iron Company, C. O. I. Co., 1934.
- Davis, E. W. Pioneering with Taconite, Minnesota Historical Society, St. Paul, 1964
- Hill, Henry Weyland. The Champlain Tercentenary. Second Ed., J. B. Lyon, NYS Printers, Albany, 1913
- Hurd, Duane Hamilton. History of Clinton and Franklin Counties, New York A reprint of the 1880 edition by J. W . Lewis & Co., J. B. Lippincott Philadelphia, PA, 1978.
- Soc. Of Mining Engineers of A.I.M.E. Transactions of the American Institute of Mining, Metallurgical, an Petroleum Engineers, Vol. 270, A.I.M.E., NY, 1981.
- Wilson, Forbes. The Conquest of Copper Mountain, Atheneum, NY, 1981.

**Roll 1 Drawings and Specifications 1 (contains the following items)**

- Mineville-Drill Shop (1943, 1945)
- General Arrangement of Linney Tempering Machine
  - Details Parts 9, 15, 27, 28, and Wiring Diagram for Linney Tempering Machine
  - Detail Part 1 for Linney Tempering Machine
  - Detail Parts 2, 14, 16, 17, and 26 for Linney Tempering Machine
- Mineville- Mining
- Details of Chute for Harmony –1035 Level Pocket
  - Bill of materials- 7 sheets (1945)
  - +170 Level Clonan Shaft Pocker- Old Bed Mine- 5 sheets (1944)

Mineville- Drill Shop

Arrangement of Equipment for Reconditioning of Detachable Drill Bits (1943)  
Details of Additions to Bit Sorting Bin (1942)  
Sorting Bin for Drill Bits (1943)  
Exhaust Deflector for Sharpener (1942)  
Rack for Drill Steel (1942)  
Design and Detail- Tool Holder for Turret Lathe (1942)  
Arrangement and Details – Oil Filter Tank (1942)  
Repair Bench and Rack for Drill Machine (1942)  
Arrangement- Bins for Hot Bits (1942)  
Rack for Testing Repaired Stoper Drill Machine (1942)  
Adjustable Stop I. R. JMB Hot Mill (1944)  
Sample Drill Round for 30 degree Sink (1945)  
Excavation Layout for Battery Station (1944)  
Propose Change in GE Battery Boxes and Locos (1943)  
Saddle for Battery Boxes (1942)  
Battery Box Goodman Loco (1942)  
Plan of Standard 36” Gage Turnout (1945)  
Standard Haulage Drift Car Loading Pocket (1944)  
Steel Details for +170 Level Clonan Shaft Loading Pocket (1944)  
Gen. Arrangement of Ore Pocket Below 1035 Level (1944)  
Details of Steel for Standard Haulage Drift Pocket (1944)  
General Arrangement of +170 Level Clonan Shaft Loading Pocket (1944)  
Excavation Layout for Howe 20 Ton Mine Car Scale (1944)  
Foundation Drawing for Howe 20 Ton Scale  
Layout of Excavation for Drill Shop at –1185 Level  
Steel Details for –1185 Level Old Bed Mine Drill Shop (1944)  
Roof Beam and Anchor Bolt Plan for Drill Shop –1185 Level (1944)  
Details of Stop for Ingersoll Rand Mill (1944)  
Air and Water Nozzle for Settling Dust and Powder Smoke (1944)  
Development Drilling Patterns (1958)  
Dust Control Permanent Line Fog Generator (1944)  
Excavation For –1035 Level (1945)  
Details Columns, Beams, Guides or Harmony –1035 Level Pockets (1945)

**Roll 2 Drawings, Specifications, and Maps (contains the following items; no dates are shown unless otherwise indicated with the item)**

Port Henry Plant

Cross-section of Concentrating Mill (two copies)  
Surface Map of Concentrator and Sintering plant  
Concentrating Mill Flow Sheet (two copies)  
Cross-section of Concentrating Mill Building (showing mill in Relation to separators, offices, laboratory, locker room, etc.)  
Floor Plan of Concentrating Mill (two copies)  
Floor Plans, Elevations, and Sections of Concentrating Mill

Flow Plans Showing Components of Wet Concentrator, Sintering Plant,  
Lump Ore Sorting, Primary and Secondary Crushing (two copies)  
Proposed Flow Sheet for Processing Table Middlings (two copies)  
Flow Sheet for #1 Unit at #7 Mill Showing Addition of Non-Magnetic  
Ore Equipment (two copies)  
Aerial View Depicting Plant Buildings and Adjacent Components (two  
copies)  
Section Through 21' Open Pit Showing Reclaimed Skipway  
Ore Pass System and Crusher Loading Station  
Arrangement of Cage Hoist for 21' 6" Dia. Vertical Shaft  
Arrangement of Ore Hoist for 21' 6" Dia. Vertical Shaft  
Section Arrangement of Head Frame for 21' 6" Dia. Vertical Shaft  
Map of All Operating Trackage of Lake Champlain and Moriah  
Railroad (showing also trackage connecting from Witherbee  
Sherman Corp., General Services Admin., and Delaware and  
Hudson Railroad) (1966 revision)

Box 12

is a list of books donated to the Blue Mountain Lake Museum  
part of the Patrick F. Farrell Collection:-

- 1) General Engineering Handbook - C. E. O'Rourke
- 2) Mining Engineers' Handbook, Volume I (third edition) - Peele
- 3) Mining Engineers' Handbook, Volume II (third edition) - Peele
- 4) Kent's Mechanical Engineers' Handbook (Design Shop Practice)
- 5) Kent's Mechanical Engineers' Handbook (Power)
- 6) Practical Mine Development and Equipment - Eaton
- 7) Mine Plant - Benjamin Franklin Tillson (First edition) published  
by AIME
- 8) Roebling Wire Rope Handbook
- 9) Roebling Handbook

*John P.*  
Given by ~~Flora S.~~ Farrell August 30, 2001  
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