

Frederick Fraley Sharpless Photograph Collection MS-239

Finding aid prepared by Beth Russell, revised by Lindsay Hiltunen.

This finding aid was produced using the Archivists' Toolkit

June 26, 2014

Describing Archives: A Content Standard

Michigan Technological University Archives and Copper Country Historical Collections

4/18/2012

1400 Townsend Drive

Houghton, Michigan, 49931

906-487-2505

copper@mtu.edu

Table of Contents

<u>Summary Information</u>	3
<u>Biography</u>	4
<u>Collection Scope and Content Summary</u>	4
<u>Arrangement</u>	4
<u>Administrative Information</u>	4
<u>Controlled Access Headings</u>	5
<u>Collection Inventory</u>	7

Summary Information

Repository	Michigan Technological University Archives and Copper Country Historical Collections
Creator	Sharpless, Frederick Fraley, 1866-1951
Title	Frederick Fraley Sharpless Photograph Collection
Date [inclusive]	1889-1895
Extent	0.9 cubic feet; 1 manuscript box (legal size) and 3 negative boxes.
Language	English
Language of Material	English
Mixed materials [Box]	1-4
Abstract	Photograph collection, 1889-1895, of Frederick Fraley Sharpless, a former professor of the Michigan Mining School in Houghton, Michigan and mining engineer consultant.

Preferred Citation

MS-239, Frederick Fraley Sharpless Photograph Collection, Michigan Technological University Archives and Copper Country Historical Collections, Houghton, Michigan.

Biography

Frederick Fraley Sharpless was born in West Chester, Pennsylvania in 1866 and graduated from the University of Michigan in 1888. After graduation he accepted a position at the newly opened Michigan Mining School in Houghton, Michigan as a professor of metallurgy. He left after five years, joining the Consolidated Mines Selection Co., Ltd. of London as their American representative. He went on to become a consulting mining engineer and was elected Secretary of the American Institute of Mining and Metallurgical Engineers (A.I.M.E.) in 1921. Mr. Sharpless passed away in 1951 after a long illness.

Collection Scope and Content Summary

Photograph collection, 1889-1895, of Frederick Fraley Sharpless, a former professor of the Michigan Mining School in Houghton, Michigan and mining engineer consultant. Includes an album of cyanotype photographs as well as a collection of glass plate slides depicting local and mining scenes of Michigan's Upper Peninsula, taken during his tenure at the Michigan School of Mines. There is also a speech given by Sharpless to accompany the slides. The photographs duplicate most of the glass slides and provide captions for identification.

Arrangement

This collection is arranged by material type, differentiating between paper-based materials and glass slides.

Administrative Information

Publication Information

Michigan Technological University Archives and Copper Country Historical Collections 4/18/2012

Revision Description

Imported folder and slide list, added new subjects, added and updated notes. 6/20/14

Access

Available for use in the Michigan Technological University Archives and Copper Country Historical Collections.

Conditions Governing Use

Various copying restrictions apply. Guidelines are available from Michigan Technological University Archives & Copper Country Historical Collections.

Processing History

Elizabeth Russell 2/2/2010, Lindsay Hiltunen 6/20/2014

Controlled Access Headings

Corporate Name(s)

- Atlantic Mining Company.
- Franklin Mining Company.
- Michigan Mining School.
- Osceola Consolidated Mining Company.
- Quincy Mining Company.
- Tamarack Mining Company.

Genre(s)

- Photograph albums
- Photographs
- Slides (photographs)

Geographic Name(s)

- Copper Country (Mich.)

Subject(s)

- Landscapes--Michigan--Copper Country
- Local history--Michigan--Copper Country
- Outdoor recreation--Michigan--Upper Peninsula

Collection Inventory

	Box	Folder
Photo Album Pages 1-26	1	1
Photo Album Pages 27-46	1	2
Photo Album Pages 47-72	1	3
Photo Album Pages 73-96	1	4
Photo Album Pages 97-120	1	5
Photo Album Pages 121-144	1	6
Photo Album Boards with Final Image	1	7
Speech (to be used in Conjunction with Glass Slides)	1	8
		Box
Lake Superior Copper Mines, Mills, etc. (no number)		2
Lake Superior Copper Mines, Mills, etc. (no number)		2
Lake Superior Copper Mines, Mills, etc. (no number)		2

Lake Superior Copper Mines, Mills, etc. (no number)	2
Lake Superior Copper Mines, Mills, etc. (no number)	2
Lake Superior Copper Mines, Mills, etc. (no number)	2
Lake Superior Copper Mines, Mills, etc. (no number)	2
Lake Superior Iron Mines (no number)	2
Lake Superior Iron Mines (no number)	2
Houghton Club House and Snow Scenes (no number)	2
Houghton Club House and Snow Scenes (no number)	2
Snow Scenes (no number)	2
Snow Scenes (no number)	2
Snow Scenes (no number)	2
Snow Scenes (no number)	2
Snow Scenes (no number)	2
Snow Scenes (no number)	2
Snow Scenes (no number)	2

Snow Scenes (no number)	2
Snow Scenes (no number)	2
Snow Scenes (no number)	2
Hungarian Falls near Houghton (#1)	2
Douglass-Houghton Falls (#5)	2
Huron Creek near Houghton (#6)	2
Pipe Line near Houghton (#7)	2
Pipe Line near Houghton (#8)	2
Michigan Mining School (#20)	2
Spear Points from Archeological Site (#44)	2
Mass of Native Copper from Isle Royale (#47)	2
Charcoal Kilns near Houghton (#49)	2
Charcoal Kilns near Houghton (#50)	2
Charcoal Kilns near Houghton (#51)	2

Charcoal Kilns near Houghton (#52)	2
Charcoal Kilns near Houghton (#53)	2
Franklin Rock House # Steam Hammer (#54)	2
Franklin Mine (#56)	2
Franklin Mine # Wide Stope (#57)	2
Franklin Mine # Abandoned Stope (#58)	2
Franklin Mine # Split in the Lode (#59)	2
Atlantic Mine # Tram (#64)	2
Atlantic Mine # Timbers of Rock and Shaft (#66)	2
Atlantic Mine # Rock House (#68)	2
Atlantic Mine # Ore Bins at Mill (#69)	2
Atlantic Mine # Ball Stamps (#70)	2
Atlantic Mill # Cylinder of Ball Stamp (#73)	2
Atlantic Mill # Ball Stamp (#74)	2

Atlantic Mill # Ball Stamp - Mortar (#75)	2
Atlantic Mill # Ball Stamp (#76)	2
Atlantic Mill # Base of Five Stamps (#77)	2
Atlantic Mine Mill # Evans Separator (#81)	2
Atlantic Mill # General View of Jigs (#82)	2
Atlantic Mill # Kieves and Jigs (#83)	2
Atlantic Mill # Settling Tanks (#84)	2
Atlantic Mill # Rough Slime Table (#85)	2
Atlantic Mill # Finishing Table (#88)	2
Quincy Mine # Man Engine (#90)	2
Quincy Mine # Man Engine (#91)	2
Quincy Mine # Man Engine (#92)	2
Quincy Mine # Cutting Mass Copper (#93)	2
Quincy Mine # Mass Copper in Walls (#94)	2

Quincy Mine # Compressor Plant # Pewabic Shaft (#95)	2
Quincy Mine # Hoisting Plant # Pewabic Shaft (#96)	2
Quincy Mine # Rock House # Pewabic Shaft (#98)	2
Quincy Rock House # Pewabic Shaft # Grizzlies and Breakers (#99)	2
Quincy Rock House # Pewabic Shaft # Drop Hammer and Crane (#100)	2
Quincy Rock House # Pewabic Shaft # Steam Hammer for Cleaning Mass Copper (#101)	2
Quincy Rock House # Grizzlies, Drop Hammer, Crane and Rock Breaker (#102)	2
Quincy Stamp Mill # From Launder (#103)	2
Quincy Stamp Mill # Mill and Boiler House (#104)	2
Quincy Mill # Allis Steam Stamp (#105)	2
Quincy Mill # Machine Shop and Feeding Floor (#106)	2
Allis Steam Stamp Cylinder (#108)	2
Quincy Mill # Allis Stamp (#109)	2
Quincy Mill # Feeding Stamp (#110)	2

Quincy Mill # Mortar of Stamp (#111)	3
Quincy Mill # Base of Stamp (#112)	3
Quincy Mill # Jigs (#113)	3
Quincy Mill # Jigs (#114)	3
Quincy Mill # Jigs (#115)	3
Quincy Mill # Slime Table (#116)	3
Quincy Mill # Slime Table (#117)	3
Quincy Mill # Boiler House (#119)	3
Quincy Mill # Pumps (#120)	3
Kearsarge Mine # Loading Skip (#121)	3
Osceola Location # Looking North # Calumet in Distance (#122)	3
Osceola Mine # Car for Lowering Miners (#124)	3
Osceola Mine # Pillar (#125)	3
Osceola Mine # Looking Up Stope (#126)	3

Osceola Mine # Drillers at Work (#127)	3
Osceola Mine # A Pillar (#128)	3
Osceola Mine # Bob on Pumps (#129)	3
Osceola Mill (#130)	3
Osceola Mill (#131)	
	Box
Osceola Mill (#132)	3
Tamarack Mine # Drilling Machine at Work Cutting Out Slope on Lode # 17th Level, No. 2 (#133)	3
Tamarack Mine # Drillers at end of Drift (#134)	3
Tamarack Mine #1 # Compressed Air Drillers and Machine at Work in Lode 15th Level (#135)	3
Tamarack Mine #1 # Compressed Air Drillers and Machine at Work in Lode 15th Level (#136)	3
Tamarack Mine # Drill in Slope (#137)	3
Tamarack Mine # Slope (#138)	3

Tamarack Mine # Drill in Slope (#139)	3
Tamarack Mine # Cutting out Slope (#140)	3
Tamarack Mine # Drilling and Upper (#141)	3
Tamarack Mine #2 # Two Hammerers on a Drill (#142)	3
Tamarack Mine #2 # 17th Plat # #Hitting Pipe a Bit# after Dinner (#143)	3
Tamarack Mine # Breast of Drift (#144)	3
Tamarack Mine # Putting Up Timbers (#145)	3
Tamarack Mine # Putting Up Timbers in Stope (#146)	3
Tamarack Mine # Level (#148)	3
Tamarack Mine # Level (#149)	3
Tamarack Mine # Level (#150)	3
Tamarack Mine # Main Level (#151)	3
Tamarack Mine # Head of Vertical Winze # 17th to 18th Crosscuts (#152)	3

Tamarack Mine #1 # Head of Vertical Winze # 16th Crosscut, Looking Along Crosscut Towards Lode (#153)	3
Tamarack Mine #2 # Compressed Air Hoist at Vertical Winze # 17th to 18th Crosscut (#154)	3
Tamarack Mine # Mouth of Crosscut (#155)	3
Tamarack Mine #2 # 16th Level 3100 ft. Below Surface (#156)	3
Tamarack Mine # Plat # Car on Cage (#157)	3
Tamarack Mine #1 # Bottom Shaft 1893 (#158)	3
Tamarack Mine #1 # Mouth of 16th Crosscut # Looking from Shaft Toward Lode (#159)	3
Tamarack Shaft House (#160)	3
Tamarack #2 Shaft House (#161)	3
Tamarack #2 Shaft House (#162)	3
Tamarack #2 Shaft House (#163)	3
Tamarack #1 and #2 Shaft Houses (#164)	3
Tamarack #3 Rock & Shaft House World's Fair Model (#165)	3

Tamarack #1 (#166)	3
Tamarack Location # Underground Timbers (#167)	3
Tamarack Location # Underground Timbers (#168)	3
Tamarack #2 # Hoist (#169)	3
Tamarack #2 # Hoist (#170)	3
Tamarack #2 # Hoist (#171)	3
Tamarack #2 # Boiler House (Slide Cracked) (#172)	3
Tamarack #1 # Hoist for Timber Cage (#173)	3
Tamarack #1 # Hoisting Plant (#174)	3
Tamarack #1 # Hoisting Plant (#175)	3
Tamarack Mine # Boiler House (#176)	3
Tamarack Mine # Main Compressor (#177)	3
Tamarack Mine # Rock House (#179)	3
Tamarack Mine # Rock House (#180)	3

Tamarack Mine # Rock House (#181)	3
Tamarack Mine # Rock House (#182)	3
Tamarack Mine # Ore Car (#183)	3
Tamarack Mine # Engine House (#184)	3
Tamarack Mine # Engine (#185)	3
Tamarack Mine # Train Starting from Mill (#187)	3
Tamarack Mine # Train en Route (#188)	3
Tamarack Mine # Train en Route (#189)	3
Tamarack Mine # Train Unloading Cars (#190)	3
Tamarack Mine # Train Unloading Cars (#191)	4
Tamarack and Osceola Mills (#192)	4
Tamarack Mill (#194)	4
Tamarack Mill (#195)	4
Tamarack Mill (#196)	4

Tamarack Mill (#197)	4
Tamarack Mill # Feeding Floor (#198)	4
Tamarack Mill # Cylinders of Stamps (#199)	4
Tamarack Mill # Cylinders of Stamps (#200)	4
Tamarack Mill # Cylinders of Stamps (#201)	4
Tamarack Mill # Feeding Floor (#202)	4
Tamarack Mill # Foundation of Stamps (#205)	4
Tamarack Mill # Car Load Stamp Shoes (#206)	4
Tamarack Mill # Jigs (#207)	4
Tamarack Mill # Jigs (#208)	4
Tamarack Mill # Jigs (#209)	4
Tamarack Mill # Jigs (#210)	4
Vertical Section Through Jig (#213)	4
Vertical Section Through Jig (#214)	4

Tamarack Mill # Picking Silver from Copper (#215)	4
Tamarack Mill # Slime Tables (#216)	4
Tamarack Mill # Slime Tables (#217)	4
Tamarack Mill # Slime Tables (#218)	4
Tamarack Mill # Slime Tables (#219)	4
Tamarack Mill # Barrelled Copper Ready for Smelting (#220)	4
Tamarack Mill # Pump (#221)	4
Tamarack Mill # Boilers (#223)	4
Dollar Bay (#224)	4
Dollar Bay # Smelting Works (#225)	4
Dollar Bay # Smelting Furnace (#226)	4
Dollar Bay # Smelting Furnace # Dipping for Ingots (#227)	4
Dollar Bay # Smelting Furnace # Dipping for Bar (#228)	4
Dollar Bay # Barrelling Ingots (#229)	4

Test Buttons (#230)	4
Dollar Bay # Dock (#231)	4
Dollar Bay # Dock (#232)	4
Lake Superior Iron Mine # Section 16 # Steam Driven Compressor (#244)	4
Lake Superior Iron Mine # Steam Driven Compressor (#245)	4
Lake Superior Iron Mine # Steam Driven Compressor (#246)	4
Lake Superior Iron Mine # Steam Driven Compressor (#247)	4
Norrie Mine # Hoisting Plant (#248)	4
Norrie Mine # Top of Winze (#249)	4
Norrie Mine # Main Level (#250)	4
Norrie Mine # Scrammers at Work (#251)	4
Norrie Mine # Rock Fall (#252)	4
Lake Angeline Location # Looking West of North (#253)	4
Lake Angeline # Mine Office # Class of #94 (#254)	4

Lake Angeline # Open Pit (#255)	4
Lake Angeline Mine East #C# Shaft Showing Cave to Ground (#256)	4
Lake Angeline Mine East #C# Shaft Showing Cave to Ground (#257)	4
Drain Used in Pumping Out Lake Angeline (#258)	4
Lake Angeline After Being Pumped Dry (#259)	4
Lake Angeline # Underground Car (#261)	4
Lake Angeline Mine # Loading from Pockets (#262)	4
Lake Angeline Mine # Loading from Hand (#263)	4
Lake Angeline Mine # Loading with Steam Shovel (#264)	4
Lake Angeline # Loading with Steam Shovel (#265)	4
Pewabic Mine Shaft House (#266)	4
Pewabic Mine Dry House (#267)	4
Pewabic Mine Dry House (#267 copy 2)	4
Cleveland Mine # Lake Shaft (#268)	4

Cleveland Mine # Timber Mill # May 25, 1893 (#269)	4
Cleveland Mine # Set of Nevada Timbers (#270)	4
Cleveland Mine # Set of Nevada Timbers (#271)	4
Cleveland Mine # Timber Mill (#272)	4
Cleveland Mine # Timber Mill (#273)	4
Cleveland Mine # Timber Mill (#274)	4
Cleveland Mine # Timber Mill (#275)	4
East Lake Angeline Mine # Breaking Down Ore in Top of Raiser, Showing Overhand Drilling (#276)	4
East Lake Angeline Mine # Space Between Cave Material Which Overlies Ore and Material Capping Latter Refuses to Cave (#277)	4
East Lake Angeline Mine # Caved Material Along Side of Ore (#278)	4
East Lake Angeline Mine # Caved Material (#279)	4
East Lake Angeline Mine # Loading Ore at Bottom of Raise (#280)	4
East Lake Angeline Mine # Electric Motor (#281)	4

East Lake Angeline Mine # Electric Motor (#282)	4
East Lake Angeline Mine # Shaft at 1st Level (#283)	4
Marquette # Ore Docks (#284)	4
Leavitt Steam Stamp (#285)	4
Leavitt Steam Stamp # Cylinder (#286)	4