

Finding Aid to the
**Fur Trade Illustration
Project, 1945-1948**

By

**Jennifer L. Rawlings
and
Maxine H. Gaterman**

**Record Unit 107
Museum Catalog No. 9175**

**Jefferson National Expansion Memorial
National Park Service
St. Louis, Missouri**

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Cover Photograph:
Drawing by William Macy.
[JNEM Visual Image 107-56]

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PREFACE

The Jefferson National Expansion Memorial was authorized by Congress as ". . . a permanent memorial to the men who made possible the territorial expansion of the United States, particularly President Thomas Jefferson and his aids, Livingston and Monroe, who negotiated the Louisiana Purchase, and the hardy hunters, trappers, frontiersmen, and pioneers and others who contributed to the territorial expansion and development of the United States of America." The park was established by Executive Order 7253, signed by Franklin D. Roosevelt on December 21, 1935.

The Jefferson National Expansion Memorial collects and preserves archival materials that document the exploration and settlement of the American West, and particularly the role of St. Louis as the Gateway to the West. These manuscripts and records are collected as an extension of the three dimensional holdings of the Jefferson National Expansion Memorial, further explaining and describing the artifact collections, and perhaps supplanting them when objects are lacking or unavailable. The human dimensions of the park's holdings are strengthened through the acquisition of personal correspondence, diaries, journals, sketchbooks, and photograph albums. These materials, along with records that document the administrative history of the park, comprise valuable and irreplaceable reference sources for historians and other scholars.

The Jefferson National Expansion Memorial Archives was formally organized in 1988 to insure the protection of these unique collections, and to make them available to the public. A small reference library is also available, containing nearly 4000 titles on westward expansion, native Americans, St. Louis history, and the National Park Service. The Library and Archives are available by appointment only. Researchers wishing to visit the Library and Archives are invited to call or write to make the necessary arrangements.

Gary W. Easton
Superintendent

Jefferson National Expansion Memorial
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St. Louis, Missouri 63102
314/655-1600
www.nps.gov/jeff

ACKNOWLEDGEMENTS

The Jefferson National Expansion Memorial Archives is thankful for the financial support provided by the Jefferson National Parks Association. The preservation and processing of the Fur Trade Illustration Project and other JNEM archival resources would not have been possible without the generous financial contributions made by the Association.

The Archives would also like to thank archives volunteer Maxine H. Gaterman, who processed this collection.

Jennifer L. Rawlings
Archivist

INTRODUCTION TO THE COLLECTION

The Fur Trade Illustration Project Collection consists of approximately two hundred and fifty pen and ink drawings done by William Macy and James Mulcahy. Macy and Mulcahy worked as artists for the National Park Service to create the drawings for use in National Park Service programs and museums and also to illustrate books written by another Park Service employee, Carl P. Russell. Carl P. Russell was the Chief Naturalist of the National Park Service when this project began and had moved on to become the Superintendent of Yosemite National Park by the time the project was completed. His abiding interest in the subject of fur trappers and traders led him to write two books on the subject: *Guns on the Early Frontiers: A History*, and *Firearms, Traps, and Tools of the Mountain Men: A Guide*. Russell began serious research on his books in 1930 when he embarked upon fifteen years of study in libraries, museums, and private collections in the United States, Canada, and Europe. Although Russell had the knowledge he needed to write his books, he needed illustrations. Jefferson National Expansion Memorial exhibited materials about the fur trade but needed for display purposes the same type of illustrations that Russell sought for his books. Russell suggested the Fur Trade Illustration Project as a way to benefit the museum and to illustrate his books. He lent his considerable expertise to the project and the National Park Service provided artists.

The National Park Service transferred William Macy from the Museum Division of the National Park Service and hired James Mulcahy of New York to work at Jefferson National Expansion Memorial as artists on the project. They viewed as many original objects in person as possible, examined contemporary field sketches and written descriptions left by participants, and used Russell's notes from his extensive research in over one hundred collections. Russell kept in close contact with the pair, recommending subjects for their drawings. The drawings were done from 1945-1948. William Macy and James Mulcahy then left for other parks, although Russell had yet to finish his books.

Russell received a Guggenheim fellowship in 1952 to continue his work on the fur traders and trappers. He finished and published his book, *Guns on the Early Frontiers: A History*, in 1957, the year in which he retired from the National Park Service. His *Firearms, Traps, and Tools of the Mountain Men: A Guide* was published posthumously in 1967. Unfortunately, Dr. Russell did not have the chance to complete the final book of the planned trilogy. His papers are located at the Washington State University Library in Pullman, Washington.

The collection consists of the original drawings and sketches done by Macy and Mulcahy as well as reproductions of the images. The reproductions are negative and positive photostats, photographic plates, and scanned digital images in jpg, bitmap, and tiff formats.

Information obtained from this collection must be properly cited, whether used in publication or in other formats. A citation suggested for this collection is:

National Park Service
Jefferson National Expansion Memorial Archives
Fur Trade Illustration Project, 1945-1948
Box __, Folder __

Researchers are advised that before records, photographs, and any other unpublished materials from this collection can be published or exhibited, permission from the National Park Service must be obtained in writing.

ARRANGEMENT

This collection has been organized by format into five series: Positive photostats, negative photostats, publication plates, original drawings, and preliminary sketches. It is recommended that the researcher first use the publication plates to identify the desired images before requesting the original drawings due to their size and fragility.

Series 1. Positive Photostats

This series is made up of positive photostats of the original drawings created from the negative photostats. Not all of the original drawings are represented in this series. The photostats are 8" by 11" and some are beginning to deteriorate, turning brown from exposure to light.

Series 2. Negative Photostats

This series consists of negative photostats of the images in the collection. These images were made using a process by which the paper was made light sensitive and then exposed to the image rendering a negative version of the drawing. The negative photostats are 8" x 11".

Series 3. Publication Plates

These publication plates are smaller versions of the materials sent to the publisher to be included in Carl P. Russell's books. They were produced because the positive photostats had begun to turn brown and these plates were a more stable medium. The plates also contain a higher quality image with more detail than the photostat images. These plates are typically about 4" by 5" and are mounted on 5" by 8" notecards with annotations about the subject of the drawings on the cards.

Series 4. Original Drawings

These are the original drawings produced by William Macy and James Mulcahy for Carl P. Russell's books and for use in the Museum of Westward Expansion. Due to the large size and the fragility of the drawings it is recommended that the researcher first identify the images desired using the publication plates or by checking IRIS (Image Retrieval Information System) on the computer in the reading room. Once the desired drawings are identified, the oversized originals may be requested for examination.

Series 5. Preliminary Sketches

This series consists of sketches made by Macy and Mulcahy on tracing paper before the exact content of the drawings was finalized. Some of the sketches are very similar to the drawings later produced, some were entirely abandoned, and some were modified or combined to create the later drawings.

CONTAINER LISTING

Series 1. Photostat Positives

This series is made up of positive photostats of the original drawings created from the negative photostats. Not all of the original drawings are represented in this series. The photostats are 8" by 11" and some have deteriorated, turning brown from exposure to light.

Box 1

Folder 1	Photostat Positives 4972-4976 <i>[JNEM visual images 107-1 thru 107-5]</i> <i>[JNEM catalog items JEFF-4972 thru JEFF-4976]</i>
Folder 2	Photostat Positives 4977-4981 <i>[JNEM visual images 107-6 thru 107-9]</i> <i>[JNEM catalog items JEFF-4977 thru JEFF-4981]</i>
Folder 3	Photostat Positives 4982-2986 <i>[JNEM visual images 107-12 thru 107-13, 107-15]</i> <i>[JNEM catalog items JEFF-4982 thru JEFF-4986]</i>
Folder 4	Photostat Positives 4987-4991 <i>[JNEM visual images 107-16 thru 107-20]</i> <i>[JNEM catalog items JEFF-4987 thru JEFF-4991]</i>
Folder 5	Photostat Positives 4992-4996 <i>[JNEM visual images 107-21 thru 107-23, 107-25]</i> <i>[JNEM catalog items JEFF-4992 thru JEFF-4996]</i>
Folder 6	Photostat Positives 4997-5001 <i>[JNEM visual images 107-27, 107-29 thru 107-30]</i> <i>[JNEM catalog items JEFF-4997 thru JEFF-5001]</i>
Folder 7	Photostat Positives 5002-5006 <i>[JNEM visual images 107-31 thru 107-35]</i> <i>[JNEM catalog items JEFF-5002 thru JEFF-5006]</i>
Folder 8	Photostat Positives 5007-5011 <i>[JNEM visual images 107-36 thru 107-40]</i> <i>[JNEM catalog items JEFF-5007 thru JEFF-5011]</i>
Folder 9	Photostat Positives 5012-5016 <i>[JNEM visual images 107-41 thru 107-44]</i>

- [JNEM catalog items JEFF-5012 thru JEFF-5016]*
- Folder 10 Photostat Positives 5017-5021
[JNEM visual images 107-46 thru 107-50]
[JNEM catalog items JEFF-5017 thru JEFF-5021]
- Folder 11 Photostat Positives 5022-5026
[JNEM visual images 107-51 thru 107-55]
[JNEM catalog items JEFF-5022 thru JEFF-5026]
- Folder 12 Photostat Positives 5027-5031
[JNEM visual images 107-56 thru 107-60]
[JNEM catalog items JEFF-5027 thru JEFF-5031]
- Folder 13 Photostat Positives 5032-5036
[JNEM visual images 107-61 thru 107-65]
[JNEM catalog items JEFF-5032 thru JEFF-5036]
- Folder 14 Photostat Positives 5037-5041
[JNEM visual images 107-66 thru 107-70]
[JNEM catalog items JEFF-5037 thru JEFF-5041]
- Folder 15 Photostat Positives 5042-5046
[JNEM visual images 107-71 thru 107-75]
[JNEM catalog items JEFF-5042 thru JEFF-5046]
- Folder 16 Photostat Positives 5047-5051
[JNEM visual images 107-76 thru 107-80]
[JNEM catalog items JEFF-5047 thru JEFF-5051]
- Folder 17 Photostat Positives 5052-5056
[JNEM visual images 107-81 thru 107-85]
[JNEM catalog items JEFF-5052 thru JEFF-5056]
- Folder 18 Photostat Positives 5057-5061
[JNEM visual images 107-87 thru 107-88]
[JNEM catalog items JEFF-5057 thru JEFF-5061]
- Folder 19 Photostat Positives 5062-5066
[JNEM visual image 107-95]
[JNEM catalog items JEFF-5062 thru JEFF-5066]
- Folder 20 Photostat Positives 5067-5071
[JNEM visual images 107-96 thru 107-98]
[JNEM catalog items JEFF-5067 thru JEFF-5071]
- Folder 21 Photostat Positives 5072-5076

- [JNEM visual images 107-101 thru 107-103, 107-105]*
[JNEM catalog items JEFF-5072 thru JEFF-5076]
- Folder 22 Photostat Positives 5077-5081
[JNEM visual images 107-106 thru 107-108]
[JNEM catalog items JEFF-5077 thru JEFF-5081]
- Folder 23 Photostat Positives 5082-5086
[JNEM visual images 107-111 thru 107-115]
[JNEM catalog items JEFF-5082 thru JEFF-5086]
- Folder 24 Photostat Positives 5087-5091
[JNEM visual images 107-118 thru 107-120]
[JNEM catalog items JEFF-5087 thru JEFF-5091]
- Folder 25 Photostat Positives 5092-5096
[JNEM visual images 107-121 thru 107-125]
[JNEM catalog items JEFF-5092 thru JEFF-5096]
- Folder 26 Photostat Positives 5097-5101
[JNEM visual images 107-126 thru 107-130]
[JNEM catalog items JEFF-5097 thru JEFF-5101]
- Folder 27 Photostat Positives 5102-5106
[JNEM visual images 107-132 thru 107-135]
[JNEM catalog items JEFF-5102 thru JEFF-5106]
- Folder 28 Photostat Positives 5107-5111
[JNEM visual images 107-136 thru 107-138, 107-140]
[JNEM catalog items JEFF-5107 thru JEFF-5111]
- Folder 29 Photostat Positives 5112-5121
[JNEM visual images 107-141 thru 107-145]
[JNEM catalog items JEFF-5112 thru JEFF-5116]
- Folder 30 Photostat Positives 5117-5121
[JNEM visual images 107-146 thru 107-150]
[JNEM catalog items JEFF-5117 thru JEFF-5121]
- Folder 31 Photostat Positives 5122-5126
[JNEM visual images 107-151 thru 107-155]
[JNEM catalog items JEFF-5122 thru JEFF-5126]
- Folder 32 Photostat Positives 5127-5131
[JNEM visual images 107-156 thru 107-160]
[JNEM catalog items JEFF-5127 thru JEFF-5131]

- Folder 33 Photostat Positives 5132-5136
[JNEM visual images 107-161 thru 107-165]
[JNEM catalog items JEFF-5132 thru JEFF-5136]
- Folder 34 Photostat Positives 5137-5141
[JNEM visual images 107-166 thru 107-170]
[JNEM catalog items JEFF-5137 thru JEFF-5141]
- Folder 35 Photostat Positives 5142-5146
[JNEM visual images 107-171 thru 107-172, 107-174 thru 107-175]
[JNEM catalog items JEFF-5142 thru JEFF-5146]
- Folder 36 Photostat Positives 5147-5151
[JNEM visual images 107-176, 107-178 thru 107-180]
[JNEM catalog items JEFF-5147 thru JEFF-5151]
- Folder 37 Photostat Positives 5152-5156
[JNEM visual images 107-181 thru 107-185]
[JNEM catalog items JEFF-5152 thru JEFF-5156]
- Folder 38 Photostat Positives 5157-5161
[JNEM visual images 107-186 thru 107-190]
[JNEM catalog items JEFF-5157 thru JEFF-5161]
- Folder 39 Photostat Positives 5162-5166
[JNEM visual images 107-191 thru 107-195]
[JNEM catalog items JEFF-5162 thru JEFF-5166]
- Folder 40 Photostat Positives 5167-5171
[JNEM visual images 107-196 thru 107-200]
[JNEM catalog items JEFF-5167 thru JEFF-5171]
- Folder 41 Photostat Positives 5172-5176
[JNEM visual images 107-201 thru 107-205]
[JNEM catalog items JEFF-5172 thru JEFF-5176]
- Folder 42 Photostat Positives 5177-5181
[JNEM visual images 107-206 thru 107-210]
[JNEM catalog items JEFF-5177 thru JEFF-5181]
- Folder 43 Photostat Positives 5182-5186
[JNEM visual images 107-211 thru 107-215]
[JNEM catalog items JEFF-5182 thru JEFF-5186]
- Folder 44 Photostat Positives 5187-5191
[JNEM visual images 107-216 thru 107-220]
[JNEM catalog items JEFF-5187 thru JEFF-5191]

Folder 45	Photostat Positives 5192-5196 <i>[JNEM visual images 107-221 thru 107-225]</i> <i>[JNEM catalog items JEFF-5192 thru JEFF-5196]</i>
Folder 46	Photostat Positives 5197-5201 <i>[JNEM visual images 107-226 thru 107-230]</i> <i>[JNEM catalog items JEFF-5197 thru JEFF-5201]</i>
Folder 47	Photostat Positives 5202-5206 <i>[JNEM visual images 107-231 thru 107-232, 107-260 thru 107-262]</i> <i>[JNEM catalog items JEFF-5202 thru JEFF-5206]</i>
Folder 48	Photostat Positives 5207-5211 <i>[JNEM visual images 107-233, 107-263 thru 107-266]</i> <i>[JNEM catalog items JEFF-5207 thru JEFF-5211]</i>
Folder 49	Photostat Positives 5212-5221 <i>[JNEM visual images 107- thru 107-]</i> <i>[JNEM catalog items JEFF-5212 thru JEFF-5221]</i>
Folder 50	Photostat Positives 5222-5226 <i>[JNEM visual images 107-234 thru 107-237, 107-267]</i> <i>[JNEM catalog items JEFF-5222 thru JEFF-5226]</i>
Folder 51	Photostat Positives 5227-5231 <i>[JNEM visual images 107-238 thru 107-241]</i> <i>[JNEM catalog items JEFF-5227 thru JEFF-5231]</i>
Folder 52	Photostat Positives 5234, 5289, 5306 <i>[JNEM visual images 107-268 thru 107-270]</i> <i>[JNEM catalog items JEFF-5234, 5289, 5306]</i>

Series 2. Photostat Negatives

This series consists of negative photostats of the images in the collection. These images were made using a process by which the paper was made light sensitive and then exposed to the image, rendering a negative version of the drawing. The negative photostats are 8" x 11."

Box 2

Folder 1	Photostat Negatives 4972-4976 <i>[JNEM visual images 107-1 thru 107-5]</i> <i>[JNEM catalog items JEFF-4972 thru JEFF-4976]</i>
Folder 2	Photostat Negatives 4977-4981 <i>[JNEM visual images 107-6 thru 107-10]</i> <i>[JNEM catalog items JEFF-4977 thru JEFF-4981]</i>

- Folder 3 Photostat Negatives 4982-4986
[JNEM visual images 107-11 thru 107-15]
[JNEM catalog items JEFF-4982 thru JEFF-4986]
- Folder 4 Photostat Negatives 4987-4991
[JNEM visual images 107-16 thru 107-20]
[JNEM catalog items JEFF-4987 thru JEFF-4991]
- Folder 5 Photostat Negatives 4992-4996
[JNEM visual images 107-21 thru 107-25]
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- Folder 6 Photostat Negatives 4997-5001
[JNEM visual images 107-26 thru 107-30]
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[JNEM visual images 107-41 thru 107-45]
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- Folder 10 Photostat Negatives 5017-5021
[JNEM visual images 107-46 thru 107-50]
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- Folder 11 Photostat Negatives 5022-5026
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- Folder 12 Photostat Negatives 5027-5031
[JNEM visual images 107-56 thru 107-60]
[JNEM catalog items JEFF-5027 thru JEFF-5031]
- Folder 13 Photostat Negatives 5032-5036
[JNEM visual images 107-61 thru 107-65]
[JNEM catalog items JEFF-5032 thru JEFF-5036]
- Folder 14 Photostat Negatives 5137-5041
[JNEM visual images 107-66 thru 107-70]

[JNEM catalog items JEFF-5137 thru JEFF-5041]

- Folder 15 Photostat Negatives 5042-5046
[JNEM visual images 107-71 thru 107-75]
[JNEM catalog items JEFF-5042 thru JEFF-5046]
- Folder 16 Photostat Negatives 5047-5051
[JNEM visual images 107-76 thru 107-80]
[JNEM catalog items JEFF-5047 thru JEFF-5051]
- Folder 17 Photostat Negatives 5052-5056
[JNEM visual images 107-81 thru 107-85]
[JNEM catalog items JEFF-5052 thru JEFF-5056]
- Folder 18 Photostat Negatives 5057-5061
[JNEM visual images 107-86 thru 107-90]
[JNEM catalog items JEFF-5057 thru JEFF-5061]
- Folder 19 Photostat Negatives 5062-5066
[JNEM visual images 107-91 thru 107-95]
[JNEM catalog items JEFF-5062 thru JEFF-5066]
- Folder 20 Photostat Negatives 5067-5071
[JNEM visual images 107-96 thru 107-100]
[JNEM catalog items JEFF-5067 thru JEFF-5071]
- Folder 21 Photostat Negatives 5072-5076
[JNEM visual images 107-101 thru 107-105]
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- Folder 22 Photostat Negatives 5077-5081
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- Folder 23 Photostat Negatives 5082-5086
[JNEM visual images 107-111, 107-114]
[JNEM catalog items JEFF-5082 thru JEFF-5086]
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[JNEM visual images 107-118 thru 107-120]
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- Folder 25 Photostat Negatives 5092-5096
[JNEM visual images 107-121 thru 107-125]
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- Folder 26 Photostat Negatives 5097-5101

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- Folder 28 Photostat Negatives 5107-5111
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[JNEM visual images 107-171 thru 107-172, 107-174 thru 107-175]
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- Folder 44 Photostat Negatives 5187-5191
[JNEM visual images 107-216 thru 107-220]
[JNEM catalog items JEFF-5187 thru JEFF-5191]
- Folder 45 Photostat Negatives 5192-5196
[JNEM visual images 107-221 thru 107-225]
[JNEM catalog items JEFF-5192 thru JEFF-5196]
- Folder 46 Photostat Negatives 5197-5201
[JNEM visual images 107-226 thru 107-230]
[JNEM catalog items JEFF-5197 thru JEFF-5201]
- Folder 47 Photostat Negatives 5202-5206
[JNEM visual images 107-231 thru 107-232, 107-261 thru 107-262]
[JNEM catalog items JEFF-5202 thru JEFF-5206]
- Folder 48 Photostat Negatives 5207-5211
[JNEM visual images 107-233, 107-263 thru 107-264]
[JNEM catalog items JEFF-5207 thru JEFF-5211]
- Folder 49 Photostat Negatives 5222-5226
[JNEM visual images 107-234 thru 107-237, 107-267]
[JNEM catalog items JEFF-5222 thru JEFF-5226]

- Folder 50 Photostat Negatives 5227-5231
[JNEM visual images 107-238 thru 107-241]
[JNEM catalog items JEFF-5227 thru JEFF-5231]
- Folder 51 Photostat Negatives 5234-5307
[JNEM visual images 107-256 thru 107-257, 107-268, 107-270 thru 107-271]
[JNEM catalog items JEFF-5234 thru JEFF-5307]

Series 3. Publication Plates

These publication plates are smaller versions of the materials sent to the publisher to be included in Carl P. Russell's books. They were produced because the positive photostats had begun to turn brown and these plates were a more stable medium. The plates also contain a higher quality image with more detail than the photostat images. These plates are typically about 4" by 5" and are mounted on 5" by 8" notecards with annotations about the subject of the drawings on the cards.

Box 3

- Folder 1 Chapter I, Axes -- Plates 1-2
[JNEM visual images 107-238 thru 107-239, 107-247, 107-256 thru 107-257]
[JNEM catalog items JEFF-5227 thru JEFF-5228, JEFF-5293, JEFF-5302 thru JEFF-5303]
- Folder 2 Chapter I, Axes -- Plates 3-7
[JNEM visual images 107-245 thru 107-246, 107-248 thru 107-250]
[JNEM catalog items JEFF-5291 thru JEFF-5292, JEFF- 5294 thru JEFF-5296]
- Folder 3 Chapter I, Axes -- Plates 8-11
[JNEM visual images 107-240 thru 107-241, 107-244, 107-251 thru 107-252]
[JNEM catalog items JEFF-5229 thru JEFF-5230, JEFF-5290, JEFF-5297 thru 5298]
- Folder 4 Chapter I, Axes -- Plates 12-14
[JNEM visual images 107-253 thru 107-255]
[JNEM catalog items JEFF-5299 thru JEFF-5301]
- Folder 5 Chapter I, Containers -- Plates 1-5
[JNEM visual images 107-67 thru 107-71]
[JNEM catalog items JEFF-5038 thru JEFF-5042]
- Folder 6 Chapter I, Containers -- Plates 6-7
[JNEM visual images 107-66, 107-72]

[JNEM catalog items JEFF-5037, JEFF-5043]

- Folder 7 Chapter I, Implements -- Plates 1-5
[JNEM visual images 107-76 thru 107-80]
[JNEM catalog items JEFF-5051 thru JEFF-5047]
- Folder 8 Chapter I, Implements -- Plates 6-8
[JNEM visual images 107-75, 107-81 thru 107-82]
[JNEM catalog items JEFF-5046, JEFF-5052 thru JEFF-5053]
- Folder 9 Chapter I, Kettles -- Plates 1-3
[JNEM visual images 107-83 thru 107-85]
[JNEM catalog items JEFF-5054 thru JEFF-5056]
- Folder 10 Chapter I, Knives -- Plates 1-5
[JNEM visual images 107-86, 107-89 thru 107-90, 107-93 thru 107-94]
[JNEM catalog items JEFF-5057, JEFF-5060 thru JEFF-5061, JEFF-5064 thru JEFF-5065]
- Folder 11 Chapter I, Knives -- Plates 6-9
[JNEM visual images 107-87 thru 107-88, 107-91 thru 107-92]
[JNEM catalog items JEFF-5058 thru JEFF-5059, JEFF-5062 thru JEFF-5063]
- Folder 12 Chapter I, Lamps -- Plates 1-4
[JNEM visual images 107-95 thru 107-98]
[JNEM catalog items JEFF-5066 thru JEFF-5069]
- Folder 13 Chapter I, Mirrors -- Plates 1-2
[JNEM visual images 107-99 thru 107-100]
[JNEM catalog items JEFF-5070 thru JEFF-5071]
- Folder 14 Chapter I, Ornaments -- Plates 1-5
[JNEM visual images 107-33, 107-101 thru 107-104]
[JNEM catalog items JEFF-5004, JEFF-5072 thru JEFF-5075]
- Folder 15 Chapter I, Ornaments -- Plates 6-10
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[JNEM catalog items JEFF-5005 thru JEFF-5006, JEFF-5009, JEFF-5011]
- Folder 16 Chapter I, Ornaments -- Plates 11-15
[JNEM visual images 107-36, 107-39, 107-41 thru 107-43]
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- Folder 17 Chapter I, Pigments -- Plates 1-2
[JNEM visual images 107-44 thru 107-45]
[JNEM catalog items JEFF-5015 thru JEFF-5016]
- Folder 18 Chapter I, Pipes -- Plates 1-6
[JNEM visual images 107-46 thru 107-51]
[JNEM catalog items JEFF-5017 thru JEFF-5022]
- Folder 19 Chapter I, Tobacco -- Plates 1-4
[JNEM visual images 107-105 thru 107-108]
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- Folder 20 Chapter II, Candles -- Plate 1
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- Folder 21 Chapter II, Canoes -- Plates 1-5
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- Folder 22 Chapter II, Canoes -- Plates 6-9
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[JNEM catalog items JEFF-5000 thru JEFF-5003]
- Folder 22 Chapter II, Clothing -- Plates 1-3
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- Folder 23 Chapter II, Trapper Equipment -- Plates 1-2
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- Folder 25 Chapter II, Horses, etc. -- Plates 7-9
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- Folder 27 Chapter II, Traps -- Plates 6-9

[JNEM visual images 107-109 thru 107-112]
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Box 4

- Folder 1 Chapter III, Posts, Forts, etc. -- Plates 1-5
[JNEM visual images 107-118, 107-136 thru 107-139]
[JNEM catalog items JEFF-5089, JEFF-5107 thru JEFF-5108, JEFF-5110]
- Folder 2 Chapter III, Posts, Forts, etc. -- Plates 6-10
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- Folder 3 Chapter III, Posts, Forts, etc. -- Plates 11-15
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- Folder 6 Chapter IV, Persons in Fur Trade -- Plates 1-5
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[JNEM catalog items JEFF-5121 thru JEFF-5125]
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- Folder 8 Chapter IV, Persons in Fur Trade -- Plates 11-15
[JNEM visual images 107-141 thru 107-142, 107-144 thru 107-146]
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- Folder 9 Chapter IV, Persons in Fur Trade -- Plates 16-20
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- Folder 13 Chapter V, Events and Procedures -- Plates 1-5
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- Folder 15 Chapter V, Events and Procedures -- Plates 11-15
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- Folder 16 Chapter V, Events and Procedures -- Plates 16-20
[JNEM visual images 107-179 thru 107-180, 107-217 thru 107-219]
[JNEM catalog items JEFF-5150 thru JEFF-5151, JEFF-5188 thru JEFF-5190]
- Folder 17 Chapter V, Events and Procedures -- Plates 21-25
[JNEM visual images 107-220 thru 107-223, 107-227]
[JNEM catalog items JEFF-5191, JEFF-5194 thru JEFF-5194, JEFF-5198]
- Folder 18 Chapter V, Events and Procedures -- Plates 26-30
[JNEM visual images 107-73, 107-216, 107-224 thru 107-226]
[JNEM catalog items JEFF-5044, JEFF-5187, JEFF-5195 thru JEFF-5197]
- Folder 19 Chapter V, Events and Procedures -- Plates 31-35
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- Folder 20 Chapter V, Events and Procedures -- Plates 36-40
[JNEM visual images 107-193 thru 107-194, 107-196 thru 107-198]
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- Folder 21 Chapter V, Events and Procedures -- Plates 41-45
[JNEM visual images 107-184 thru 107-187, 107-195]
[JNEM catalog items JEFF-5155 thru JEFF-5156, JEFF-5158, JEFF-5166]
- Folder 22 Chapter V, Events and Procedures -- Plates 46-50
[JNEM visual images 107-175 thru 107-177, 107-182, 107-192]
[JNEM catalog items JEFF-5146 thru JEFF-5148, JEFF-5153, JEFF-5163]
- Folder 23 Chapter V, Events and Procedures -- Plates 51-55
[JNEM visual images 107-63 thru 107-64, 107-210, 107-213 thru 107-214]
[JNEM catalog items JEFF-5034 thru JEFF-5035, JEFF-5181, JEFF-5184 thru JEFF-5185]
- Folder 24 Chapter V, Events and Procedures -- Plates 56-60
[JNEM visual images 107-62, 107-209, 107-211, 107-215, 107-231]
[JNEM catalog items JEFF-5033, JEFF-5180, JEFF-5182, JEFF-5186, JEFF-5202]
- Folder 25 Chapter VI, Firearms -- Plates 1-5
[JNEM visual images 107-10 thru 107-13, 107-16]
[JNEM catalog items JEFF-4981 thru JEFF-4984, JEFF-4987]
- Folder 26 Chapter VI, Firearms -- Plates 6-10
[JNEM visual images 107-4, 107-14 thru 107-15, 107-17, 107-23]
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- Folder 27 Chapter VI, Firearms -- Plates 11-15
[JNEM visual images 107-1 thru 107-2, 107-5 thru 107-6, 107-21]
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- Folder 28 Chapter VI, Firearms -- Plates 16-20
[JNEM visual images 107-7 thru 107-9, 107-20, 107-22]
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[JNEM visual images 107-3, 107-18 thru 107-19]
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Series 4. Original Drawings

These are the original drawings produced by William Macy and James Mulcahy for Carl P. Russell's books and for use in the Museum of Westward Expansion. Due to the large size and the fragility of the drawings it is recommended that the researcher first identify the images desired using the publication plates or by checking IRIS (Image Retrieval Information System) on the computer in the reading room. Once the desired drawings are identified, the oversized originals may be requested for examination.

Oversize Box 1

Folder 1	Musket and Parts <i>[JNEM visual image 107-1]</i> <i>[JNEM catalog item JEFF-4972]</i>
Folder 2	Musket and Parts <i>[JNEM visual image 107-2]</i> <i>[JNEM catalog item JEFF-4973]</i>
Folder 3	Musket and Parts <i>[JNEM visual image 107-3]</i> <i>[JNEM catalog item JEFF-4974]</i>
Folder 4	Mohawk Chief with a 17th Century Musket <i>[JNEM visual image 107-4]</i> <i>[JNEM catalog item JEFF-4975]</i>
Folder 5	Muskets and Lock Section <i>[JNEM visual image 107-5]</i> <i>[JNEM catalog item JEFF-4976]</i>
Folder 6	Percussion Rifles <i>[JNEM visual image 107-6]</i> <i>[JNEM catalog item JEFF-4977]</i>
Folder 7	Late 18th and Early 19th Century Pistols <i>[JNEM visual image 107-7]</i> <i>[JNEM catalog item JEFF-4978]</i>
Folder 8	Pistols, circa 1800's <i>[JNEM visual image 107-8]</i> <i>[JNEM catalog item JEFF-4979]</i>
Folder 9	Hawken Rifle and Rifling Machine

- [JNEM visual image 107-9]*
[JNEM catalog item JEFF-4980]
- Folder 10 Lock of a Barnett Trade Gun, 1805
[JNEM visual image 107-10]
[JNEM catalog item JEFF-4981]
- Folder 11 Barnett Flintlock, 1868 and Musket, 1833
[JNEM visual image 107-11]
[JNEM catalog item JEFF-4982]
- Folder 12 (a) Indians Receiving Guns
 (b) Lock and Dragon Gun Ornaments
[JNEM visual image 107-12]
[JNEM catalog item JEFF-4983]
- Folder 13 European Trade Muskets
[JNEM visual image 107-13]
[JNEM catalog item JEFF-4984]
- Folder 14 H.E. Lehman's Trade Musket
[JNEM visual image 107-14]
[JNEM catalog item JEFF-4985]
- Folder 15 Trade Muskets, 1850
[JNEM visual image 107-15]
[JNEM catalog item JEFF-4986]
- Folder 16 J. Hollis and Son Percussion Musket, 1886
[JNEM visual image 107-16]
[JNEM catalog item JEFF-4987]
- Folder 17 Indian Flintlock and Percussion Rifle, Early 18th Century
[JNEM visual image 107-17]
[JNEM catalog item JEFF-4988]
- Folder 18 Top and Side Views of British Canon, Fort Nisqually
[JNEM visual image 107-18]
[JNEM catalog item JEFF-4989]
- Folder 19 British Canon and Mounting in Place, Fort Nisqually
[JNEM visual image 107-19]
[JNEM catalog item JEFF-4990]
- Folder 20 (a) William H. Ashley's Wheeled Canon Enroute, 1827
 (b) Views of Canon of Fremont's Mountain Howitzer
[JNEM visual image 107-20]

[JNEM catalog item JEFF-4991]

- Folder 21 (a) Rifles, 1803, 1804, 1841
(b) Sword Bayonet, 1855
[JNEM visual image 107-21]
[JNEM catalog item JEFF-4992]

Oversize Box 2

- Folder 1 Small Riverboat Cannon
[JNEM visual image 107-22]
[JNEM catalog item JEFF-4993]

- Folder 2 Dragon Motif on Gun Locks
[JNEM visual image 107-23]
[JNEM catalog item JEFF-4994]

- Folder 3 Different Kinds of Boats
[JNEM visual image 107-24]
[JNEM catalog item JEFF-4995]

- Folder 4 Different Kinds of Boats
[JNEM visual image 107-25]
[JNEM catalog item JEFF-4996]

- Folder 5 Different Kinds of Boats
[JNEM visual image 107-26]
[JNEM catalog item JEFF-4997]

- Folder 6 Flatboats
[JNEM visual image 107-27]
[JNEM catalog item JEFF-4998]

- Folder 7 Keelboats
[JNEM visual image 107-28]
[JNEM catalog item JEFF-4999]

- Folder 8 Mackinaw Boat
[JNEM visual image 107-29]
[JNEM catalog item JEFF-5000]

- Folder 9 Rafts
[JNEM visual image 107-30]
[JNEM catalog item JEFF-5001]

- Folder 10 York Boats
[JNEM visual image 107-31]

- [JNEM catalog item JEFF-5002]*
- Folder 11 Steamers
[JNEM visual image 107-32]
[JNEM catalog item JEFF-5003]
- Folder 12 Ornaments (Necklace, Gadgets, etc.)
[JNEM visual image 107-33]
[JNEM catalog item JEFF-5004]
- Folder 13 Ornaments (Crosses)
[JNEM visual image 107-34]
[JNEM catalog item JEFF-5005]
- Folder 14 Ornaments (Jingles, Bangles, Earrings, etc.)
[JNEM visual image 107-35]
[JNEM catalog item JEFF-5006]
- Folder 15 Ornaments (Armbands, Headbands, Bracelets, Rings)
[JNEM visual image 107-36]
[JNEM catalog item JEFF-5007]
- Folder 16 Two Medals, 1803 and 1843
[JNEM visual image 107-37]
[JNEM catalog item JEFF-5008]
- Folder 17 Medals, 1795 and 1789
[JNEM visual image 107-38]
[JNEM catalog item JEFF-5009]
- Folder 18 Breast Plate (Ornament)
[JNEM visual image 107-39]
[JNEM catalog item JEFF-5010]
- Folder 19 Ostrich Feathers (Ornaments)
[JNEM visual image 107-40]
[JNEM catalog item JEFF-5011]
- Folder 20 Chief Joseph Brant Wearing Ornaments
[JNEM visual image 107-41]
[JNEM catalog item JEFF-5012]
- Folder 21 Sir William Johnson Receiving Indian Ornament
[JNEM visual image 107-42]
[JNEM catalog item JEFF-5013]

Oversize Box 3

- Folder 1 Meach-O-Shin-Gaw Wearing Ear Ornament
[JNEM visual image 107-43]
[JNEM catalog item JEFF-5014]
- Folder 2 Bags of Pigment
[JNEM visual image 107-44]
[JNEM catalog item JEFF-5015]
- Folder 3 Indian Showing Pigment Design in Face
[JNEM visual image 107-45]
[JNEM catalog item JEFF-5016]
- Folder 4 Tobacco Pipe with Stem
[JNEM visual image 107-46]
[JNEM catalog item JEFF-5017]
- Folder 5 Types of Tobacco Pipes
[JNEM visual image 107-47]
[JNEM catalog item JEFF-5018]
- Folder 6 Types of Tobacco Pipes
[JNEM visual image 107-48]
[JNEM catalog item JEFF-5019]
- Folder 7 Aboriginal Portrait Pipes
[JNEM visual image 107-49]
[JNEM catalog item JEFF-5020]
- Folder 8 Calumet Pipes
[JNEM visual image 107-50]
[JNEM catalog item JEFF-5021]
- Folder 9 Mold for Pipe Bowls
[JNEM visual image 107-51]
[JNEM catalog item JEFF-5022]
- Folder 10 Candles, Burning Glass, Matches, etc.
[JNEM visual image 107-52]
[JNEM catalog item JEFF-5023]
- Folder 11 Clothing of Trappers and Traders
[JNEM visual image 107-53]
[JNEM catalog item JEFF-5024]
- Folder 12 Clothing of Trappers and Traders
[JNEM visual image 107-54]

- [JNEM catalog item JEFF-5025]*
- Folder 13 Clothing of Trappers and Traders
[JNEM visual image 107-55]
[JNEM catalog item JEFF-5026]
- Folder 14 (a) American Pack Saddle
 (b) Horse's Rawhide Boats
[JNEM visual image 107-56]
[JNEM catalog item JEFF-5027]
- Folder 15 Heavy Load on Indian Horse
[JNEM visual image 107-57]
[JNEM catalog item JEFF-5028]
- Folder 16 Draft Animals, Carts and Wagons
[JNEM visual image 107-58]
[JNEM catalog item JEFF-5029]
- Folder 17 Traders, Horse Equipment (Saddle Bag, Bridle, etc.)
[JNEM visual image 107-59]
[JNEM catalog item JEFF-5030]
- Folder 18 Spanish Packs
[JNEM visual image 107-60]
[JNEM catalog item JEFF-5031]
- Folder 19 Hudson Bay Pack Saddles
[JNEM visual image 107-61]
[JNEM catalog item JEFF-5032]
- Folder 20 (a) A Two-wheeled Cart
 (b) A Wagon Train
[JNEM visual image 107-62]
[JNEM catalog item JEFF-5033]
- Folder 21 Carts and Wagons, 1830's
[JNEM visual image 107-63]
[JNEM catalog item JEFF-5034]

Oversize Box 4

- Folder 1 Red River Carts 1801-1802
[JNEM visual image 107-64]
[JNEM catalog item JEFF-5035]
- Folder 2 Freight Wagons (Santa Fe Trade)

- [JNEM visual image 107-65]*
[JNEM catalog item JEFF-5036]
- Folder 3 Jug, Bottles, Jars
[JNEM visual image 107-66]
[JNEM catalog item JEFF-5037]
- Folder 4 Wood Casks
[JNEM visual image 107-67]
[JNEM catalog item JEFF-5038]
- Folder 5 Wood Casks
[JNEM visual image 107-68]
[JNEM catalog item JEFF-5039]
- Folder 6 Rundlets and Kegs
[JNEM visual image 107-69]
[JNEM catalog item JEFF-5040]
- Folder 7 Kegs
[JNEM visual image 107-70]
[JNEM catalog item JEFF-5041]
- Folder 8 Tin Canteen and Cups
[JNEM visual image 107-71]
[JNEM catalog item JEFF-5042]
- Folder 9 Large Water Jar
[JNEM visual image 107-72]
[JNEM catalog item JEFF-5043]
- Folder 10 Fur Press in the Field
[JNEM visual image 107-73]
[JNEM catalog item JEFF-5044]
- Folder 11 Fur Press in the Post
[JNEM visual image 107-74]
[JNEM catalog item JEFF-5045]
- Folder 12 Iron Implements (Bills, etc.)
[JNEM visual image 107-75]
[JNEM catalog item JEFF-5046]
- Folder 13 Iron Implements (Halberds)
[JNEM visual image 107-76]
[JNEM catalog item JEFF-5047]

- Folder 14 Spontoons, Lances, and Spears
[JNEM visual image 107-77]
[JNEM catalog item JEFF-5048]
- Folder 15 Spear Points
[JNEM visual image 107-78]
[JNEM catalog item JEFF-5049]
- Folder 16 Spear and Arrow Points
[JNEM visual image 107-79]
[JNEM catalog item JEFF-5050]
- Folder 17 (a) Awls, Needles, Clubs
 (b) Portrait of Indian
[JNEM visual image 107-80]
[JNEM catalog item JEFF-5051]
- Folder 18 (a) Coltroops
 (b) Fort Mackinaw
[JNEM visual image 107-81]
[JNEM catalog item JEFF-5052]
- Folder 19 Iron Implements (Miscellaneous Tools)
[JNEM visual image 107-82]
[JNEM catalog item JEFF-5053]
- Folder 20 Kettles (of Types) Material
[JNEM visual image 107-83]
[JNEM catalog item JEFF-5054]
- Folder 21 Kettles -- Iron
[JNEM visual image 107-84]
[JNEM catalog item JEFF-5055]

Oversize Box 5

- Folder 1 Copper Kettles
[JNEM visual image 107-85]
[JNEM catalog item JEFF-5056]
- Folder 2 Jack Knives (9 kinds)
[JNEM visual image 107-86]
[JNEM catalog item JEFF-5057]
- Folder 3 Rezin Bowie (Portrait)
[JNEM visual image 107-87]
[JNEM catalog item JEFF-5058]

- Folder 4 Burial Place of Rezin Bowie
[JNEM visual image 107-88]
[JNEM catalog item JEFF-5059]
- Folder 5 Bowie Knife, Scalpers, etc.
[JNEM visual image 107-89]
[JNEM catalog item JEFF-5060]
- Folder 6 Butcher Knives
[JNEM visual image 107-90]
[JNEM catalog item JEFF-5061]
- Folder 7 Bowie Knives, etc.
[JNEM visual image 107-91]
[JNEM catalog item JEFF-5062]
- Folder 8 Skinning Knives
[JNEM visual image 107-92]
[JNEM catalog item JEFF-5063]
- Folder 9 Skinning Knives
[JNEM visual image 107-93]
[JNEM catalog item JEFF-5064]
- Folder 10 Daggers and Knives
[JNEM visual image 107-94]
[JNEM catalog item JEFF-5065]
- Folder 11 Lamps, Lanterns, etc.
[JNEM visual image 107-95]
[JNEM catalog item JEFF-5066]
- Folder 12 Lamps, Lanterns, etc.
[JNEM visual image 107-96]
[JNEM catalog item JEFF-5067]
- Folder 13 Lamps, etc.
[JNEM visual image 107-97]
[JNEM catalog item JEFF-5068]
- Folder 14 Lamps, Lanterns, etc.
[JNEM visual image 107-98]
[JNEM catalog item JEFF-5069]
- Folder 15 Looking Glasses in Wood Frames
[JNEM visual image 107-99]

[JNEM catalog item JEFF-5070]

- Folder 16 Mirrors
[JNEM visual image 107-100]
[JNEM catalog item JEFF-5071]
- Folder 17 Ornaments (Bells, Thimbles, Bangles, etc.)
[JNEM visual image 107-101]
[JNEM catalog item JEFF-5072]
- Folder 18 Ornaments (Brooches, etc.)
[JNEM visual image 107-102]
[JNEM catalog item JEFF-5073]
- Folder 19 Ornaments (Brooches, etc.)
[JNEM visual image 107-103]
[JNEM catalog item JEFF-5074]
- Folder 20 Bells (Ornaments)
[JNEM visual image 107-104]
[JNEM catalog item JEFF-5075]
- Folder 21 Tobacco Sacks
[JNEM visual image 107-105]
[JNEM catalog item JEFF-5076]

Oversize Box 6

- Folder 1 Tobacco Sacks
[JNEM visual image 107-106]
[JNEM catalog item JEFF-5077]
- Folder 2 Shipping Tobacco in Barrels
[JNEM visual image 107-107]
[JNEM catalog item JEFF-5078]
- Folder 3 Twisting Tobacco Leaves into Ropes
[JNEM visual image 107-108]
[JNEM catalog item JEFF-5079]
- Folder 4 Traps (Dead Fall)
[JNEM visual image 107-109]
[JNEM catalog item JEFF-5080]
- Folder 5 Traps of the Mountain Men
[JNEM visual image 107-110]
[JNEM catalog item JEFF-5081]

- Folder 6 Traps of the Mountain Men
[JNEM visual image 107-111]
[JNEM catalog item JEFF-5082]
- Folder 7 Traps, Conventional American Mechanism
[JNEM visual image 107-112]
[JNEM catalog item JEFF-5083]
- Folder 8 Traps of Bar-spring Type (English Design)
[JNEM visual image 107-113]
[JNEM catalog item JEFF-5084]
- Folder 9 Bear Traps
[JNEM visual image 107-114]
[JNEM catalog item JEFF-5085]
- Folder 10 Steel Traps
[JNEM visual image 107-115]
[JNEM catalog item JEFF-5086]
- Folder 11 Circular and Oval Base Traps
[JNEM visual image 107-116]
[JNEM catalog item JEFF-5087]
- Folder 12 Traps of Jump Type
[JNEM visual image 107-117]
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- Folder 13 Fort Astoria
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- Folder 14 Pathways of Westward Expansion (Map)
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- Folder 16 Jedediah Smith's Blacksmith Making a Bear Trap
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Folder 18 Fort Laramie, 1837
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Folder 19 Fort Hall
[JNEM visual image 107-124]
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Folder 20 Old Faithful, 1839
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Folder 21 Bear Lake Rendezvous, 1827
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Folder 1 Fort Pierre
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Folder 2 Fort Manuel
[JNEM visual image 107-128]
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Folder 3 Fort Winnebago, 1828
[JNEM visual image 107-129]
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Folder 4 Fort Walla Walla
[JNEM visual image 107-130]
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Folder 5 Fort Vancouver
[JNEM visual image 107-131]
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Folder 6 Fort Union
[JNEM visual image 107-132]
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Folder 7 Fort Bridger
[JNEM visual image 107-133]
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- Folder 8 Fort Clark
[JNEM visual image 107-134]
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- Folder 9 Fort Boise
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- Folder 10 Bent's Fort
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- Folder 11 Fort Fond du Lac
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- Folder 12 Council Bluffs
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- Folder 15 Portrait of Thomas Jefferson
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- Folder 19 Portrait of John Floyd (1703-1837)
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Folder 20 Portrait of T.H. Benton
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Folder 21 Portraits -- Pike, Freemont
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Schoolcraft
[JNEM visual image 107-148]
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Folder 2 Portraits -- Gregg, Gallatin, Frauchere
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Folder 3 Portrait of George C. Bingham
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Folder 4 Portrait of George Catlin
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Folder 5 Portrait of Alfred Jacob Miller
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Folder 6 Portrait of Carl Bodmer
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Folder 7 Portrait of John James Audubon
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Folder 9 Portrait of Dr. John McLoughlin
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- Folder 10 Portrait of Peter Skene Ogden
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- Folder 11 Portraits -- John Work, Peter Ogden, William M. Tobmie, Sir George Simpson
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- Folder 13 Portrait of B.L.E. Bonneville
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- Folder 14 Portrait of Jim Bridger
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- Folder 15 Portraits -- James Beckworth [sic, probably Beckwourth], James Clyman
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- Folder 16 Portraits -- Daugherty, Fitzpatrick, Hunt, Drips
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[JNEM visual image 107-169]
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Folder 2 Two Portraits of J.R. Walker
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Folder 3 Portraits -- Robert Stuart, James Kipp, N. Pryor
[JNEM visual image 107-171]
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Folder 4 Portrait of K. McKenzie
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Folder 5 Portrait of Manuel Lisa
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[JNEM catalog item JEFF-5144]

Folder 6 Portrait of Manuel Lisa
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Folder 7 Vaccination of Indian at Fort Union, 1837
[JNEM visual image 107-175]
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Folder 8 Dr. Whitman's Removal of Arrowhead from Jim Bridger
[JNEM visual image 107-176]
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Folder 9 Types of Beaver Hats
[JNEM visual image 107-177]
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Folder 10 Breastwork's Defenses against Blackfeet, 1837
[JNEM visual image 107-178]
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Folder 11 Buffalo Jump Off

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- Folder 12 Buffalo Jump Off
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- Folder 13 Buffalo Hunt on the Snake River
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- Folder 10 American Distillery at Taos, New Mexico, 1830's
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- Folder 13 Tent Saloon -- Rendezvous, 1833

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Folder 16 Wagon Traffic and the Trade in Robes
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Folder 20 Marieo's Encounter with a Grizzly Bear
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Folder 1 Equipment of the Trapper
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Folder 3 Map of the Oregon Trail
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Folder 7	Tomahawk in Scabbard <i>[JNEM visual image 107-238]</i> <i>[JNEM catalog item JEFF-5227]</i>
Folder 8	Tomahawk Carried by British Soldiers <i>[JNEM visual image 107-239]</i> <i>[JNEM catalog item JEFF-5228]</i>
Folder 9	Different Types of Tomahawks <i>[JNEM visual image 107-240]</i> <i>[JNEM catalog item JEFF-5229]</i>
Folder 10	Ceremonial Tomahawk Pipe <i>[JNEM visual image 107-241]</i> <i>[JNEM catalog item JEFF-5230]</i>
Folder 11	Repeating Arms with Revolving Mechanism <i>[JNEM visual image 107-242]</i> <i>[JNEM catalog item JEFF-5232]</i>
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Folder 19 Reinforcement of the Poll
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Folder 20 The Missouri War Hatchet
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Folder 21 Spiked Tomahawks
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Folder 1 Spiked Tomahawks
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Folder 2 Spiked Tomahawks
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Folder 3 Miscellaneous Axes from Spanish and Russian Sites
[JNEM visual image 107-255]
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Folder 4 Axe Terminology
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Folder 5 The Evolution of the Axe
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Folder 6 Lock of Barnett Trade Musket, 1805
[JNEM visual image 107-258]
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Folder 7 Barnett Trade Gun, 1833
[JNEM visual image 107-259]

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Series 5. Preliminary sketches

This series consists of sketches made by Macy and Mulcahy on tracing paper before the exact content of the drawings were finalized. Some of the sketches are very similar to the drawings later produced, some were entirely abandoned, and some were modified or combined to create the later drawings.

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- | | |
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| Folder 1 | Musket and Parts
<i>[JNEM visual image 107-001]</i>
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| Folder 2 | Musket and Parts
<i>[JNEM visual image 107-002]</i>
<i>[JNEM catalog item JEFF-4973]</i> |
| Folder 3 | Mohawk Chief with a 17th Century Musket
<i>[JNEM visual image 107-004]</i>
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<i>[JNEM visual image 107-005]</i>
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| Folder 7 | Pistols, circa 1800's
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| Folder 9 | (a) Indians Receiving Guns
(b) Lock and Dragon Gun Ornaments
<i>[JNEM visual image 107-012]</i>
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Folder 10	H.E. Leman's Trade Musket <i>[JNEM visual image 107-014]</i> <i>[JNEM catalog item JEFF-4985]</i>
Folder 11	Trade Muskets, 1850 <i>[JNEM visual image 107-015]</i> <i>[JNEM catalog item JEFF-4986]</i>
Folder 12	Indian Flintlock and Percussion Rifle, Early 18th Century <i>[JNEM visual image 107-017]</i> <i>[JNEM catalog item JEFF-4988]</i>
Folder 13	Top and Side Views of British Cannon, Fort Nisqually <i>[JNEM visual image 107-018]</i> <i>[JNEM catalog item JEFF-4989]</i>
Folder 14	British Cannon and Mounting in Place, Fort Nisqually <i>[JNEM visual image 107-019]</i> <i>[JNEM catalog item JEFF-4990]</i>
Folder 15	(a) William H. Ashley's Wheeled Cannon Enroute, 1827 (b) Views of Cannon of Fremont's Mountain Howitzer <i>[JNEM visual image 107-020]</i> <i>[JNEM catalog item JEFF-4991]</i>
Folder 16	(a) Rifles, 1803, 1804, 1841 (b) Sword Bayonet, 1855 <i>[JNEM visual image 107-021]</i> <i>[JNEM catalog item JEFF-4992]</i>
Folder 17	Small Riverboat Cannon <i>[JNEM visual image 107-022]</i> <i>[JNEM catalog item JEFF-4993]</i>
Folder 18	Different Kinds of Boats <i>[JNEM visual image 107-024]</i> <i>[JNEM catalog item JEFF-4995]</i>
Folder 19	Different Kinds of Boats <i>[JNEM visual image 107-025]</i> <i>[JNEM catalog item JEFF-4996]</i>
Folder 20	Different Kinds of Boats <i>[JNEM visual image 107-026]</i> <i>[JNEM catalog item JEFF-4997]</i>
Folder 21	Flatboats

- [JNEM visual image 107-027]*
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- Folder 22 Keelboats
[JNEM visual image 107-028]
[JNEM catalog item JEFF-4999]
- Folder 23 Mackinaw Boat
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- Folder 24 Rafts
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- Folder 25 York Boats
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- Folder 26 Steamers
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- Folder 27 Ornaments (Jingles, Bangles, Earrings, etc.)
[JNEM visual image 107-035]
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- Folder 28 Ostrich Feathers (Ornaments)
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- Folder 29 Sir William Johnson Receiving Indian Ornament
[JNEM visual image 107-042]
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- Folder 30 Bags of Pigment
[JNEM visual image 107-044]
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- Folder 1 Indian Showing Pigment Design in Face
[JNEM visual image 107-045]
[JNEM catalog item JEFF-5016]
- Folder 2 Tobacco Pipes with Stem
[JNEM visual image 107-046]

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- Folder 3 Types of Tobacco Pipes
[JNEM visual image 107-047]
[JNEM catalog item JEFF-5018]
- Folder 4 Types of Tobacco Pipes
[JNEM visual image 107-048]
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- Folder 5 Aboriginal Portrait Pipes
[JNEM visual image 107-049]
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- Folder 6 Calumet Pipes
[JNEM visual image 107-050]
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- Folder 7 Mold for Pipe Bowls
[JNEM visual image 107-051]
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- Folder 8 Candles, Burning Glass, Matches, etc.
[JNEM visual image 107-052]
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- Folder 9 Clothing of Trappers and Traders
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- Folder 10 Clothing of Trappers and Traders
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- Folder 12 (a) American Pack Saddle
 (b) Horse's Rawhide Boats
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- Folder 13 Heavy Load on Indian Horse
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- Folder 14 Draft Animals, Carts and Wagons
[JNEM visual image 107-058]
[JNEM catalog item JEFF-5029]
- Folder 15 Traders, Horse Equipment (Saddle Bag, Bridle, etc.)
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- Folder 16 Spanish Packs
[JNEM visual image 107-060]
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- Folder 17 Hudson's Bay Pack Saddles
[JNEM visual image 107-061]
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- Folder 18 Carts and Wagons, 1830's
[JNEM visual image 107-063]
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- Folder 19 Freight Wagons (Santa Fe Trade)
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- Folder 20 Jug, Bottles, Jars
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- Folder 21 Wood Casks
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- Folder 23 Kegs
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- Folder 25 Large Water Jar
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- Folder 26 Iron Implements (Bills, etc.)
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First, use the subject index to identify the visual image numbers of the images pertaining to the desired topic.

Second, turn to the location index and look up the number found in the subject index in the first column on the left. Then scan across the row to identify in which formats this image is available.

Not all images are available in every format. The number in the column represents BOX NUMBER: FOLDER NUMBER. OV stands for "Oversize Box". It is recommended that the researcher first examine the publication plates to find the desired images before requesting the original drawings due to the fragility and size of the original drawings.

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