William Riley McKeen Jr. Papers: Finding Aid

Finding aid prepared by Suzanne Oatey.
The Huntington Library, Art Collections, and Botanical Gardens
Manuscripts Department
1151 Oxford Road
San Marino, California 91108
Phone: (626) 405-2191
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Overview of the Collection
Title: William Riley McKeen Jr. Papers
Dates (inclusive): 1871-1928
Bulk dates: 1895-1915
Collection Number: mssMcKeen
Creator: McKeen, William R., Jr., 1869-1946
Extent: 12 boxes (7.5 linear ft.)
Repository: The Huntington Library, Art Collections, and Botanical Gardens. Manuscripts Department
1151 Oxford Road
San Marino, California 91108
Phone: (626) 405-2191
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Abstract: This collection contains the personal and professional papers of American railroad mechanical engineer and innovator William Riley McKeen Jr. (1869-1946), who developed some of the first gasoline-powered railroad motor cars, beginning in 1905 for the Union Pacific Railroad. In 1908, he became president of the McKeen Motor Car Company, which built over 150 of the pioneering motor cars through 1917. The materials are primarily focused on the McKeen motor cars and the history of their promotion and production, 1905-1917. Materials include promotional booklets and ephemera, news clippings, scrapbooks, operating manuals, McKeen's personal notebooks and over 300 photographs.
Language: English.
Access
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Preferred Citation
[Identification of item], William Riley McKeen Jr. Papers, The Huntington Library, San Marino, California.
Provenance
Gift of the Los Angeles Railroad Heritage Foundation, September 1, 2008.
Custodial History
This collection was previously owned by Donald Duke and forms a subset of the Huntington's Donald Duke Collection of Railroad Photographs and Ephemera. Duke received the papers from William R. McKeen Jr. in 1946, when Duke was 18 years old. In his acknowledgements in RDC: The Budd Rail Diesel Car by Donald Duke and Edmund Keilty (Golden West Books, 1990), Duke wrote: “My interest in railcars goes back to my high school days where I developed an interest in the McKeen Motor Car. I found out William R. McKeen, Jr. was still alive and living in Santa Barbara. I visited him several times. On his death, he left his personal files and illustrations to my custody.”
Processing/Project Information
This collection came with an inventory created approximately 1999, indicating several oversize blueprints of car and part drawings and technical data tables, which did not come with the rest of the collection. The whereabouts of these items are unknown. A copy of this original inventory is kept in the collection file.
Biographical and Historical Note
American railroad mechanical engineer and innovator William Riley McKeen Jr. (1869-1946) was born in Terre Haute, Indiana, in 1869. His father, William Riley McKeen (1829-1913), was a banker and president of the Terre Haute & Indianapolis Railroad. McKeen Jr. graduated from Rose Polytechnic Institute and Johns Hopkins University, then studied at a technical university in Berlin, 1890-1891. In 1892, he apprenticed in the mechanical shops of the Pittsburgh, Cincinnati, Chicago & St. Louis Railway in Columbus, Ohio. The next year, he began work as master car builder for the Terre Haute & Indianapolis Railroad in Indiana. In 1898, he joined Union Pacific Railroad as district foreman at North Platte, Nebraska, a position he held until May 1901, when he became master mechanic of the Wyoming division of Union Pacific. In 1902, he was promoted to Superintendent of Motor Power and Machinery for Union Pacific in Omaha, Nebraska.
At the behest of Union Pacific head E. H. Harriman, McKeen led a team of company engineers to design an economical gasoline-powered rail car with an internal combustion engine, a technology still in its infancy. The first motor car was created in March 1905 and was soon put into service carrying passengers. By 1908, demand for the distinctively designed motor cars with porthole windows and other advanced features led to the formation of the McKeen Motor Car Company, with McKeen as president. The company was created as a Union Pacific subsidiary and operated out of Union Pacific shop buildings in Omaha, Nebraska. By 1912, fewer new cars were being ordered, and in 1917 the last cars were built. In 1920, Union Pacific took control of the company’s assets. In the 12 years of production, over 150 McKeen motor cars were built, operating on several railroads in the United States, with exports to Canada, Cuba, Australia and Mexico.

McKeen retired to Santa Barbara, California around 1923, where he died in 1946. McKeen was survived by his third wife, Carmen T. McKeen. His first two marriages, to Elizabeth New in 1893, and Mary L. Hull in 1911, ended in divorce.

Scope and Content

This collection contains the personal and professional papers of American railroad mechanical engineer and innovator William Riley McKeen Jr. (1869-1946) who developed some of the first gasoline-powered railroad motor cars, beginning in 1905 for the Union Pacific Railroad. In 1908, he became president of the McKeen Motor Car Company, which built over 150 of the pioneering motor cars through 1917. The materials are primarily focused on the McKeen motor cars and the history of their promotion and production, 1905-1917. Materials include promotional booklets and ephemera, news clippings, scrapbooks, operating manuals, McKeen’s personal notebooks and over 300 photographs.

Series 1 begins with McKeen’s youth and schooling, with examples of some of his engineering notes and workbooks. There are also notes on designing his house, a genealogy of the McKeen family, and his father’s estate settlement papers, which include correspondence between McKeen and his siblings. McKeen’s professional work and concerns are reflected in several notebooks he kept during his career, with detailed notes related to employees, design issues and other work in the railroad mechanical shops. There are only a few letters of business correspondence, and just one copy of a letter from E. H. Harriman (no original).

Among the personal papers is a file of documents related to a 1912 lawsuit brought against McKeen and his second wife, Mary, by Mary’s former husband, Charles Hull, in Omaha, Nebraska. This file contains documents that would be of interest to medical and social history researchers: a detective’s transcript of observations of prostitutes and activities at brothels (collected to disparage Mr. Hull).

Series 2 contains McKeen motor car materials, primarily promotional brochures and ephemera (including a package of custom cigarettes), operating manuals, production statistics, news clippings and articles. See also Series 3 and 4 for clippings and photographs of McKeen motor cars.

Series 3 contains three scrapbooks: A) a personal ledger, with clippings; B) a scrapbook of over 100 clippings about the McKeen Motor Car Company, 1907 - 1920; and C) a scrapbook of photographs and clippings about McKeen motor cars in Australia, 1911-1912.

Series 4 contains photographs, including a set of Union Pacific company photographs of McKeen motor cars over the years 1905-1911. McKeen appears in some photographs, and there are some views of employees, Omaha shop buildings, engines and production views. Other photographs show McKeen motor cars on various railroads, some wrecks, engine parts, and views of the McKeen Highway Coach, a passenger vehicle introduced in 1915.

• Donald Duke Collection of Railroad Photographs and Ephemera (Call number: 645950)

Arrangement

The collection is arranged in the following 4 series:

Series 1. Personal and professional papers, 1871-1922
  Subseries A. McKeen motor cars on Union Pacific Railroad
  Subseries B. McKeen Motor Car Company

Series 2. McKeen motor cars: promotional and operating materials, 1905-1919
  Subseries A. McKeen motor cars on Union Pacific Railroad
  Subseries B. McKeen Motor Car Company

Series 3. Scrapbooks
  Subseries A. Ledger and scrapbook, 1895-1928
  Subseries B. McKeen Motor Cars scrapbook, 1906-1920
  Subseries C. McKeen motor cars in Australia scrapbook, 1911-1912

Series 4. Photographs
  Subseries A. Union Pacific Railroad photographs of McKeen motor cars, 1905-1911
  Subseries B. McKeen motor cars and other railroad views, approximately 1905-1915
Subseries C. Views of trucks and parts, United Motor Truck Company, Grand Rapids, Michigan, 1915. Two views of McKeen Highway Coach vehicle.

**Indexing Terms**
The following terms have been used to index the description of this collection in the Huntington Library's Online Catalog.

**Subjects**
- McKeen, William R., Jr., 1869-1946 -- Archives.
- McKeen Motor Car Co.
- Terre Haute & Indianapolis Railroad Company -- History.
- United Motors Company.
- Union Pacific Railroad Company -- History.
- Electricity -- Study and teaching.
- Internal combustion engines -- History.
- Railroad engineering.
- Railroad cars -- Design and construction.
- Railroad motorcars.
- Railroad passenger cars.
- Railroads - Australia.
- Railroads -- United States.
- Prostitution -- United States -- History -- 20th century.

**Forms/Genres**
- Ephemera.
- Letters (correspondence).
- Manuscripts.
- Notebooks.
- Photographs.
- Promotional materials.
- Scrapbooks.
- Workbooks.

**Additional Contributors**
- Duke, Donald, 1929-2010, former owner.
- Reichert, Albert A., 1876-1963, photographer.
- James Bayne Co., photographer.
- McKeen Motor Car Co.

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**Container List**

**Personal and professional papers. 1871-1922**

Physical Description: 5 boxes

Box 1
Folder 1 **Personal and professional papers**

**Childhood drawings. Approximately 1874**

The drawings are in a ledger with entries by McKeen’s mother: “Ann F. McKeen, Treasurer, Ladies Aid Society.” The entries are mostly legible, and are dated 1871-1880.

Folder 2
Folder 3 **School notes. Approximately 1882**

**Geometry workbook. 1885-1886**
| Folder 4 | Rose Polytechnic Institute, student drawings. 1888  
| Folder 5 | Rose Polytechnic Institute, “Notes on Rankine by W. R. McKeen Jr. Class ’89,  
|           | Terre Haute, Ind.” [engineering workbook]. 1889  
| Folder 6 | Johns Hopkins University, “Electricity Practice” workbook. 1889-1890  
|           | This school book also contains some personal accounting entries of McKeen’s, such as  
|           | taxes and bills 1903 – 1907.  
| Folder 7 | German technical university catalogs [also lab notes written in German]. 1882;  
|           | 1890  
|           | Note: McKeen studied in Berlin 1890-1891. Contains:  
|           | • General provisions for Koniglichen Technischen Hochschule, Berlin, 1882.  
|           | • List of courses in machinery and engineering, Technische Hochschule  
|           | Charlottenburg, 1890.  
| Folder 8 | Rose Polytechnic Institute yearbook. 1905  
|           | (McKeen does not appear; he graduated in 1889.)  
| Folders 9-11 | Building of residence on West Leavenworth St., Omaha, Nebraska. 1911-1912  
|           | Personal notebook of house specifications and bill of materials; typescript of  
|           | specifications by architect George B. Prinz (1911); sketches; news clippings (1912).  
| Folders 12-13 | “Hull vs. Mr. and Mrs. W. R. McKeen, Jr.” lawsuit. Clippings and related  
|             | documents [Charles W. Hull, plaintiff]. 1912  
|             | This lawsuit was of a personal nature, brought by McKeen’s second wife’s  
|             | ex-husband, Charles W. Hull. Includes some news clippings and one piece of  
|             | correspondence from N. H. Loomis, Union Pacific Railroad Law Dept. to McKeen.  
|             | Also contains a detective’s transcript of witness statements regarding character of  
|             | Charles W. Hull, gathered as potential evidence in the case of Charles W. Hull vs.  
|             | Mary L. McKeen and W. R. McKeen, Jr., in Omaha, Nebraska. Note: This document is  
|             | topically out of the range of the rest of this collection, but is valuable as a historical  
|             | research document for candid statements by prostitutes (with names), and brothel  
|             | activities in Omaha, Nebraska, 1912.  
| Box 2 | Personal and professional papers  
| Folders 1-4 | Misc. personal items. 1890-1921  
|             | Includes two half-tone photographs of 1) McKeen and 2) E. H. Harriman.  
| Folder 5 | McKeen family history  
|           | Three-page handwritten genealogy of the McKeens and news clippings on W. R.  
|           | McKeen, Sr. (1889-1897).  
| Folders 6-12 | Estate papers of William Riley McKeen, Sr. and related correspondence.  
|             | 1913-1918  
|             | Documents and correspondence regarding the settling of the estate of McKeen’s  
|             | father, who died in 1913. Most of the correspondence is among attorneys and the  
|             | four sons: W. R. McKeen, Jr., Benjamin McKeen, Frank McKeen, and Samuel C.  
|             | “Crawford” McKeen, with a few letters from their sisters, Mary “Mamie” J. Pugh  
|             | (and husband Horace C. Pugh), Anna E. Shuler and Edith M. Cutler. Issues  
|             | discussed include selling of property, tenants, insurance, stock sales and  
|             | investments, and personal allowances. Several letters written on McKeen Motor Car  
|             | Co. letterhead.  

Box 3 Personal and professional papers
<table>
<thead>
<tr>
<th>Folder</th>
<th>Container List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Personal and professional papers. 1871-1922</td>
</tr>
</tbody>
</table>

**Folder 1**

**Personal notebooks. 1893-1895**

3 notebooks. Writings include costs of materials and repairs for railcar parts and labor, lists of employees by occupation.

**Folder 2**

**Personal notebooks. 1895**

4 notebooks. Writings include lists of employees, drawings, ledger of work hours, railcar specifications.

**Folder 3**

**Personal notebooks. 1896-1898**

3 notebooks.

**Folder 4**

**Personal notebooks. 1900-1912**

3 notebooks. First three pages of “1905-1912” book have a written timeline of McKeen’s job titles and personal events (divorces, health issues).

**Related Material**

See also: Box 1, f. 6 school workbook with personal entries dated 1903-1907.

**Folder 5**

**Address and memo book. Approximately 1890-1919**

Contains typewriting, handwriting, pasted-in notes and clippings. Includes:

- Copies of letters on earnings of motor cars and grade-climbing performance, 1909.
- “Drugs” - notes on medications for sciatica.

**Folder 6**

**Address book. Approximately 1897-1901**

Stamped on inside cover “W.R. McKeen. Master Car Builder.”

**Folder 7**

**Diary. Approximately 1898-1910**

Some letters and notes folded inside.

**Box 4**

**Personal and professional papers**

**Folder 1**

**Notebook on local sporting contests. Approximately 1898-1909**

Unidentified clipping inside says “Union Pacific against Citizens of County.”

**Folder 2**

**Personal stock receipt book. 1901-1912**

Includes list of officers and trustees of the Railway Employees Building & Loan Association, 1901.

**Folder 3**

**Correspondence and receipts. 1892**

List of books purchased through Home Library Association, Chicago, and bookseller A. C. McClurg & Co., Chicago, 1892

**Folder 4**

**Correspondence and receipts. 1893-1899**

**Folder 5**

**Correspondence and receipts. 1900-1902**

**Folder 6**

**Correspondence and receipts. 1904-1907**

Copy (not original) of letter to McKeen from E. H. Harriman, September 6, 1907.

**Folder 7**

**Correspondence and receipts. 1915-1922**

**Folder 8**

**Terre Haute & Indianapolis R.R. Co. annual report. 1891 (published 1892)**

**Folder 9**

**Railroad workers union booklets. 1892-1910**

7 booklets.
Folder 10
Convention album, Master Car Builders and Master Mechanics, Atlantic City, New Jersey. 1906 June
Contains portraits and titles of members present at convention, including McKeen.

Folder 11
Souvenir program, 1883 - 1907 Silver Anniversary, Division 88, Brotherhood of Locomotive Engineers. 1907
2 copies. McKeen profiled on p. 57.

Folder 12
Writings and speeches by McKeen. 1907

Folder 13
Writings and speeches by McKeen. 1912
1) “The Internal Combustion Engine, with Special Reference to Its Use as Motive Power on Railway Locomotives,” an address delivered before the Committee of Investigation on Smoke Abatement and Electrification of Railway Terminals, Bulletin II, Vol. II, Chicago, May 31, 1912. (2 copies)

Folder 14
Writings and speeches by McKeen. 1915

Box 5
Personal and professional papers
Folder 1
Writings and speeches by others. 1911
“Edward Henry Harriman” by Otto H. Kahn, an address delivered before the Finance Forum in New York, January 25, 1911. (2 copies)

Folder 2
Writings and speeches by others. 1912
“The Railroad Man, the Selected Servant of the Public,” by H. W. Sheridan, an address to students of University of Nevada, Reno, Nevada, December 4, 1912.

Folder 3
Writings and speeches by others. 1913

Folder 4
Writings and speeches by others. 1915
An address by Mr. A. L. Mohler, President, Union Pacific R.R. Co. and Oregon Short Line R.R. Co., at a hearing before the Committee on Railroads of the House of Representatives, Nebraska Legislature, Lincoln, Nebraska, March 3, 1915.

Folder 5
U.S. Patent Office documents on McKeen patent cases. 1907
Includes fold-out exhibits and technical drawings.

Folder 6
U.S. Patent Office documents on McKeen patent cases. 1911
(2 copies)

Folder 7
U.S. Patent Office documents on McKeen patent cases. 1911-1912
Final hearing and appellant’s brief.
McKeen motor cars: promotional and operating materials. 1905-approximately 1919

Physical Description: 2 boxes

McKeen motor cars on Union Pacific Railroad. 1905-approximately 1919
Includes promotional booklets and brochures, operating manuals, operating costs and specifications.

Box 6 (Folders 1-5)

Folder 1
McKeen motor cars on Union Pacific Railroad - Brochures. 1905-1906
6 items.

Folder 2
McKeen motor cars on Union Pacific Railroad - Promotional booklet, titled “Motor Cars on Union Pacific Railroad.” 1907
(2 copies)

Folder 3
McKeen motor cars on Union Pacific Railroad - “Statement of cost of operating Motor Cars on Colorado Division, June 1908.” 1908 June
1 pg. describing details of operating costs, including repairs, fuel, wages.

Folder 4
McKeen motor cars on Union Pacific Railroad - Operating instructions manual. Approximately 1909
32 pgs., titled “Instructions for the Guidance of Motormen and Conductors operating Motor Cars, Union Pacific Railroad Co. Approved, W. L. Park, General Superintendent and C. E. Fuller, Superintendent M.P. & M.”

Folder 5
McKeen motor cars on Union Pacific Railroad - “Common Standard Specifications for Material” manual (1904-1912) with index and supplement (1919); blank Union Pacific payroll sheet (approximately 1905). 1904-1919
Manual approximately 150 pgs.

McKeen Motor Car Company. 1909-1917
Includes promotional booklets, brochures and ephemera, clippings and testimonials.

Box 6 (Folders 6-14)

Folder 6
McKeen Motor Car Company - “Instruction Book No. 1, McKeen Gasoline Motor Car.” 1912
58 pgs., with photographs and a fold-out mechanical drawing. Also 7 loose pages titled “Supplement to Instruction Book for Motor Car 3 ft. 6 in. Gauge” (undated).

Folder 7
McKeen Motor Car Company - Hospital Fund booklet. 1910-1911

Folder 8
McKeen Motor Car Company - Promotional booklets. 1909
44 pgs. (2 copies). Notes on car specifications and speeds pasted into back of one book.

Folder 9
McKeen Motor Car Company - Promotional brochures. Approximately 1910-1911

Folder 10
McKeen Motor Car Company - Promotional booklets. 1911
60 pgs. (3 copies and blueprint version).

Folder 11
McKeen Motor Car Company - Transparencies of some pages of 1911 booklet. 1911
Folder 12  McKeen Motor Car Company – Spiral-bound copies of 1911 booklet. 1911
                                                     (2 copies)
Folder 13  McKeen Motor Car Company – Promotional brochures. Undated
                                                      (approximately 1911-1915)
                                                     16 pgs. (7 copies)
Folder 14  McKeen Motor Car Company – Promotional brochures. 1912; 1914
1912: 75 pgs. (2 copies); 1914: 4 pgs. (3 copies)
Box 7  McKeen Motor Car Company.
Folder 1  McKeen Motor Car Company – Promotional ephemera. Approximately
                                                      1910-1911
                                                     17 items including calling cards, bookmarks and 1 box of custom-made
                                                      cigarettes (1910)
Folder 2  McKeen Motor Car Company – Advertisement inside “Souvenir of Fort
                                                      Omaha,” Nebraska. 1917
Folder 3  McKeen Motor Car Company – Printed testimonials from railroad company
                                                      officials and others. 1911-1914
Folder 4  McKeen Motor Car Company – News clippings. 1905-1912
                                                     Photocopies and 2 reprints.
Folder 5  McKeen Motor Car Company – News clippings. 1914; 1917
                                                     “Patent News” (Washington D.C., Nov. 1914); “Midland Magazine” (Kansas City,
                                                      Oct. 1917 - 2 copies.)
Folder 6  McKeen Motor Car Company – Original company envelopes containing news
                                                      clippings. (Clippings are very brittle: please use photocopies in Folder 4)
                                                     4 envelopes.
Folder 7  Weed Burner for railroad track maintenance – Promotional brochures.
                                                      Undated
                                                     4 pg. leaflet (4 copies) and 1 booklet (2 copies).

Scrapbooks. 1895-1928
Physical Description: 3 scrapbooks in 2 boxes. Fragile.
Box 8  Scrapbooks A-B
Volume A  Personal ledger and scrapbook. 1895-1928
                                                     Physical Description: Approximately 200 pgs. (12 x 7 ¾ inches)
                                                     Ledger pages for 1895–approximately 1908 are pasted over with clippings; ledgers
                                                     for 1909–1928 are legible, listing income, income taxes, expenses, stocks and
                                                     bonds. Several stocks are in railroad companies. The remaining pages contain
                                                     newspaper and magazine clippings, and misc. notes. Clippings are mostly personal
                                                     topics, such as McKeen’s divorces of 1909 and 1921 (also pasted in is a legal
                                                     divorce notice, 1921), and articles on self-improvement, health, divorce, and other
                                                     items in the news. A few clippings concern McKeen Motor Car Co. or McKeen’s
                                                     business career. There are a few clippings at the back that date from McKeen’s
                                                     retirement to Santa Barbara: from the Los Angeles Times, 1924, and the Santa
                                                     Barbara News, 1925.
Volume B

“McKeen Motor Cars” scrapbook. 1906-1920

Physical Description: Approximately 385 pgs. (16 x 12 inches)

The first 24 pages of clippings have come loose and are in a separate folder; these clippings date from 1906–1917. The scrapbook album begins on page 25 with clippings dated 1908–1920. It has a typed title: “McKeen Motor Cars” and contains clippings from newspapers, periodicals and industry publications. Advertisements for motor cars are also included for years 1912–1917.

Box 9

Scrapbook C

McKeen motor cars in Australia scrapbook. 1911-1912

Physical Description: Approximately 100 pgs. (14 ½ x 10 ¾ inches)

Includes 33 photographs with captions, showing workers on ships transporting McKeen motor cars to Australia, and cars on railroads in Australia. Also contains news clippings on McKeen cars in Australia.

Volume C

Photographs. 1905-1915

Physical Description: 313 photographs in 3 boxes

Union Pacific Railroad Company photographs of McKeen motor cars. 1905-1911

Physical Description: 217 photographs, most approximately 10 x 13 inches; some smaller.

Views of McKeen-designed motor cars and other types of Union Pacific cars, shop buildings, engines and production views. All photographs are stamped on the back: “Office [of] Chemist and Engineer of Tests. Union Pacific. Negative No. Date ___” and have handwritten numbers and dates. Photographs are in chronological order, beginning January 17, 1905, with views of Union Pacific Motor Car 1, the first gasoline-powered car McKeen designed. McKeen appears in several photographs, along with other employees.

Box 10

Photographs. 1907-1907

Physical Description: 116 photographs

Folder 1

Union Pacific neg. no.: 6, 12, 12a, 15, 20, 25

No. of items: 6

(1905) Union Pacific Motor Car 1. Two views with Union Pacific Chair Car no. 615 and group of people, including W. R. McKeen, at far right, in door of Motor Car 1 (20, 25).

Folder 2

Union Pacific neg. no.: 29, 30, 34, 35, 36, 37, 38, 46, 47, 48, 49, 50

No. of items: 12

(1905) One view of McKeen and group with Union Pacific Motor Car 1. Views of car, engine, interior, and overhead production views of floor frame and body frame in shop.

Folder 3

Union Pacific neg. no.: 51, 52, 62, 62a, 63, 64, 66, 70, 72, 73

No. of items: 10

<table>
<thead>
<tr>
<th>Folder</th>
<th>Union Pacific neg. no.</th>
<th>Number of items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>83, 91, 92, 93, 94, 96, 97, 99</td>
<td>8</td>
<td>(1905) McKeen (in overalls) and large group in front of Union Pacific Motor Car 2. Detail views of car, motorman in engine compartment, smashed end of car. One satirical cartoon titled “Another Richmond in the Field” showing a “gasoline car” and “trolley car” at battle.</td>
</tr>
<tr>
<td>8</td>
<td>201, 202a, 204, 204a, 209, 212 (2), 212a, 212b, 212c (2), 212d (2), 213, 213a</td>
<td>15</td>
<td>(1906) Union Pacific Motor Car 8 with people boarding. Union Pacific Steel Box Car 72850 and Weed Burner (213-213a).</td>
</tr>
<tr>
<td>9</td>
<td>261, 261a, 261b, 261c, 280, 280a (2), 280b (2), 280c, 280d (2), 282a, 286, 287 (2)</td>
<td>16</td>
<td>(1907) Weed Burner, Union Pacific Steel Box Car 72851. Three views of “Motor Cars” shop buildings and grounds, with Motor Car 10.</td>
</tr>
<tr>
<td>10</td>
<td>319, 320, 321 (2), 322 (2), 323 (2)</td>
<td>8</td>
<td>(1907) Construction of shop building, showing frame and grounds. Drawings: Motor Car floor plan, motor truck, “Howe Truss” and motor car side frame, mail and baggage trailer elevation and floor plan.</td>
</tr>
<tr>
<td>Box 11</td>
<td>Photographs. 1907-1911</td>
<td>101</td>
<td>Physical Description: 101 photographs</td>
</tr>
</tbody>
</table>
Folder 1

Union Pacific neg. no.: 383, 384, 385, 386, 387, 388 (3), 389
No. of items: 9

Folder 2

Union Pacific neg. no.: 411 (2), 412 (2), 414 (2), 417 (2), 418 (2), 419, 421, 434, 469, 470, 471, 472, 483, 484, 485, 492, 493a, 495, 496, 497, 498, 499, 502
No. of items: 28

Folder 3

Union Pacific neg. no.: 508, 509, 510, 517, 554, 554b, 555, 556, 557, 574
No. of items: 10
(1907) Construction of shop buildings. Detail views of air compressor used on motor cars, with specifications. U.P. steel passenger car no. 499 designed by McKeen.

Folder 4

Union Pacific neg. no.: 609, 611, 613, 615, 618, 620, 621, 622, 623, 635, 677, 686, 687
No. of items: 13

Folder 5

Union Pacific neg. no.: 736, 740, 741, 742, 745, 748, 749, 750, 751, 752, 753, 754, 755, 757, 758, 768, 769 (2), 772, 773
No. of items: 21
(1908) McKeen and group in front "Motor Cars" shop buildings and a motor car. (See also #1077 - same people in close-up group portrait.) Interiors of motor car. U.P. Motor Car 19. Series of views (748-759) all captioned "The first McKeen 6 car motor train, taken at [various stops], Nebraska, Aug. 27, 1908" - Southern Pacific Railroad Motor Car 23 leading train. Silver Peak Railroad motor car "Mary"; Southern Pacific Railroad Motor Car 20, Motor Car 29 and Motor Car 30 with caption "The second McKeen 3 car motor train, taken at Omaha, Nebr. Oct. 3, 1908."

Folder 6

Union Pacific neg. no.: 975, 986, 986a, 988
No. of items: 4
(1909) Atchison, Topeka, and Santa Fe Railroad Motor Car M100 draped with sign "Built by McKeen Motor Car Co. Omaha, Neb."; Motor Car 2 "Kulshan" of the Bellingham Bay and British Columbia Railroad Company.

Folder 7

Union Pacific neg. no.: 1039, 1074, 1077
No. of items: 3
Union Pacific neg. no.: 1132, 1162
No. of items: 2
(1909) U.P. motor locomotive with McKeen standing on footboard. Chicago, Rock Island and Pacific Railroad Motor Car 9020.

Folder 9
Union Pacific neg. no.: 1250, 1332, 1346, 1446, 1456, 1486
No. of items: 7
(1910) McKeen motor cars: Norfolk & Southern 90 U.S. Mail Railway Post Office “Southern Express”; Woodstock & Sycamore Traction Company 711; Chicago Great Western 1000; Pennsylvania 4701; Southern 3; Denver, Laramie & Northwestern “Greeley.” One view of McKeen Motor Car Co. shop buildings with six motor cars in front.

Folder 10
Union Pacific neg. no.: 1544, 1586, 1651, 1677
No. of items: 4
(1911) McKeen motor cars: Chicago Great Western 1001; Sand Springs Interurban Railway 1; Peoples Electric Railway “The Joe Haskell”; one view of railcar with caption: “Victorian Railway’s Motor Car. Shipped to Australia Nov. 29, 1911.”

McKeen motor cars and other railroad views. Approximately 1905-1915
Physical Description: 62 photographs of various sizes, mounted on paper album pages or board.
Includes views of cars in use on several different railroads; train collisions and wrecked cars; interiors of railcars; detail views of engines and parts; passengers, workers and shop buildings.
Only a few of the photographs are dated (1910-1915); some photographs appear to be earlier. Photographers identified: Omar F. Hawkins (M36-M37), and Albert A. Reichert (M11-M12, M42). Photographs kept in original arrangement as received, in order of the “M” numbers assigned by the Los Angeles Railroad Heritage Foundation.
Folder 4  
(M30-M40)
- Passengers disembarking McKeen railcar at Union Station, Omaha, Nebraska (M35)
- Union Pacific wreck in Randolph, Kansas, Oct. 16, 1915, showing a McKeen car half submerged in water and the body of a man on the ground (M36-M37)

Railroad companies: Union Pacific Railroad Company

Folder 5  
(M41-M46)
Railroad companies: Union Pacific Railroad Company

Folder 6  
(M47 - M53)
McKeen Motor Car Co. building in Omaha, with boxed motor cars marked for shipment to Australia, and then shown being loaded on ship. One view of McKeen car for Queensland Railways.

Views of trucks and parts, United Motor Truck Company, Grand Rapids, Michigan, and Two interior views of McKeen Highway Coach vehicle. 1915 and undated

Physical Description: 34 photographs disbound from an album
Views of trucks, engine parts, road trials, factory buildings, and two interior views of a McKeen Highway Coach (M86-M87). Photographer: James Bayne Co., Grand Rapids, Michigan (except M86-M87, uncredited). Background note: The McKeen Highway Coach, a passenger vehicle introduced in 1915, was installed on a truck chassis built by the United Motor Truck Company.

The photographs were disbound from an album imprinted “W. R. McKeen, McKeen Motor Car Co., Omaha, NEB.” (Covers not in collection; information about original binding received from the Los Angeles Railroad Heritage Foundation.) Photographs kept in original arrangement as received, in order of the “M” numbers assigned by the Los Angeles Railroad Heritage Foundation.

Box 12 (Folders 7-8)
Folder 7  
(M54-M71)
Trucks and parts, United Motor Truck Company, Grand Rapids, Michigan, 1915.

Folder 8  
(M72-M87)
Trucks and parts, United Motor Truck Company, Grand Rapids, Michigan, 1915. Two interior views of a McKeen Highway Coach (M86-M87).