

LOWELL NATIONAL HISTORICAL PARK
LOWELL, MASSACHUSETTS

FINDING AID FOR
PROPRIETORS OF THE LOCKS & CANALS ON MERRIMACK
RIVER RECORDS,
1747-2008 (BULK DATES 1844-1970):

VOLUME II

**GUIDES TO THE
PHOTOGRAPHS SERIES
AND
ARCHITECTURAL AND ENGINEERING DRAWINGS**

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Cover illustrations: "Buildings on Lots 64-B, 64-F, 64-G, 64-H, Ford St. from Aiken St.," June 14, 1938. PL&C print #3084; ANCS+ number and LOWE individual catalog no. 7298.

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PREFACE to GUIDE TO PHOTOGRAPHS

This document describes the extensive collection of documentary photographs produced by the Proprietors for their use in creating, maintaining, altering, and expanding their waterpower delivery system to the textile manufacturers of Lowell, Mass., and later to the New England electrical power grid. It includes only that portion of the photographs collection purchased by Lowell National Historical Park. Another portion of the collection was separately donated by the Proprietors to the University of Massachusetts Lowell Center for Lowell History.

The processing of this collection was completed in March 2007 by staff and volunteers at Lowell National Historical Park. These include Dan Walsh as project coordinator and LOWE volunteers Cleo A. Ace and Steven Sussman.

Related materials include a large collection Proprietors of Locks and Canals management and operations records at Lowell National Historical Park (LOWE-5058) including an extensive series of Architectural and Engineering Drawings also at Lowell National Historical Park, and a large collection of business records, including the papers of such notable principals as James B. Francis, Uriah A. Boyden, Patrick T. Jackson, Kirk Boott, George W. Whistler, *et al.*, at the Baker Library, Harvard Business School.

The PL&C photograph collection may be accessed directly via the NPS Museum Management homepage at www.cr.nps.gov/museum. This guide will be of help in locating the PL&C photographs within the total Lowell National Historical Park cultural resources collection found at that web site.

Researchers may contact the Lowell National Historical Park by phone at 978- 970-5241 for further assistance in accessing and using this material.

INTRODUCTION

The Proprietors of the Locks and Canals on Merrimack River Photograph collection as received by Lowell National Historical Park is an organic collection of 6,770 original photographic prints and copies thereof, 79 film negatives, 9 glass-plate negatives, and 39 glass lantern-slides produced by PL&C between the years 1883 and 1956.

It documents the construction and ongoing maintenance of the first comprehensive industrial water-power delivery system in the United States but beyond that it provides unique insights into the fabric and quality of life of the city of Lowell, Massachusetts, at the height of its industrial development on into its decline. In this respect, it is remarkable in its historical depth and, since it is almost entirely field photography, it is remarkable in its breadth.

As with the other materials received by Lowell National Historical Park from the Proprietors, these photographs were well, if incompletely documented. For this collection, the Proprietors created several finding aids, the largest being the typed 172 page sequential numerical list which may be found herein at Appendix 1. While it stops at the end of the year 1941, it is largely complete. Other finding aids were simple hand-written lists such as that for the X prefix photographs, which may be found herein at Appendix 2. They also began a typed subject list for the sequentially numbered photographs, which runs from A through Me, but was not completed. In addition to being incomplete, it only indexed photographs made between January 1, 1928, and early 1941. It is Appendix 3. At the opposite extreme, groups such as T. D. H. prefix photoprints or the glass lantern-slides or had no indexing at all.

Like the Proprietors' Architectural and Engineering Drawings series, a portion of the photographs was also separately donated to the UMASS Lowell Center for Lowell History. It consists of the glass-plate negative collection, 5 bound volumes of numbered photoprints, a group of prefix-numbered, unbound photoprints, and a group of 709 unnumbered, unbound photoprints later numbered by the Center using their own M-prefix numbering system.

SCOPE AND CONTENT NOTE

- Accession number:* LOWE-132.
- Catalog numbers:* LOWE 5058 (entire PL&C collection); individual catalogue on page 5.
- Quantity/ Storage:* 3976 original photographic prints with over 1000 additional copies; 33 glass lantern slides; 19 film negatives; 9 glass plate negatives.
- Location:* Lowell National Historical Park, 67 Kirk Street, Lowell, Massachusetts 01852-1029. Phone 978-970-5000.
- Description:* This photograph series was produced in the commonly available photographic media and on the commonly available photographic supports of its time.

The vast majority of the positive imagery was rendered on paper. The majority of the prints are gelatin prints with a much smaller group of albumen prints and a handful of cyanotypes.

The majority of the negative imagery was on cellulose nitrate film and was transferred to safety film by Lowell National Historical Park. The cellulose nitrate originals, which were actively deteriorating, required disposal as hazardous material. However, the negative holdings of LOWE give an uncharacteristic impression of the overall PL&C negative collection.

The PL&C historic negative collection at UMASS Lowell Center for Lowell History is definitive on this subject. The negatives, from no.1 to no. 2230 (10/22/1926), are glass plates while those from no. 2231 to the end of the collection are film negatives.

The Photographs as Administered by the Proprietors of Locks and Canals:

The Proprietors of the Locks and Canals on Merrimack River (PL&C) photograph series at Lowell National Historical Park is an organic grouping of 6770 original photographic prints and copies thereof, along with 79 film negatives, 9 glass-plate negatives and 39 glass lantern- slides, produced by PL&C between the years 1883 and 1956.

Basically, it is documentary photography and illustrates both PL&C and textile manufacturing company project work such as new construction, reconstruction, or repair of buildings, dams and canals and their appurtenances, turbine installations and power generation equipment, and streets and bridges, as well as documentation of railroad related issues, and PL&C properties. But to characterize these photographs as simply project documentary photography is to vastly understate its value as a historical record of the urban fabric of Lowell, Massachusetts, during the apex of its development as an industrial city. That function was tangential to PL&C's purposes when they generated these photographs, if it occurred to them at all, but because location photography almost always includes context as well as subject, it almost always illustrates many things other than just its subject. It is that context, rather than simply their subjects, that gives these photographs their unique value as a historical record.

Judging from the various sizes of the photographic prints and negatives they produced, PL&C used more than one camera during the history of this collection. If the prints are, in fact, contact prints then PL&C had at least one 8x10 camera and one 5x7 camera since the vast majority of the prints were produced in these sizes. This is confirmed by the film negatives and glass-plate negatives which were also found in both these sizes. However, in addition to these sizes, there is a group of film negatives in a 2 ¼ x 3 ½ inch format. This implies the existence of another camera but they could also have been produced as half-size negatives on a 5x7 format camera. There are also a few low-resolution snapshot prints at 2 ¾ by 4 ¾ inches from the 1950s included with the larger format prints but they represent the end of the line for photography at PL&C It would seem that PL&C had a staff photographer who knew how to use large-format view cameras and do darkroom work for most of the history of this collection.

The collection was produced in the usual late-19th and 20th century media and supports. The glass-plate negatives are standard format Eastman dry plates. The original film negatives were produced on cellulose nitrate bases but were copied directly onto safety film by Lowell National Historical Park after which the cellulose nitrate originals were disposed of as hazardous material. The majority of the prints are gelatin prints but there are some albumen prints among the earlier photographs. There are also a few cyanotypes.

It should be noted here that the holdings of Lowell National Historical Park represent only one portion of the total PL&C photograph collection. Another portion was separately donated by PL&C to the University of Massachusetts, Lowell. Their holdings

include almost all of the glass plate negatives and some historic prints. The researcher should also note that PL&C staff members integrated photographs into the office files of various departments; their presence is noted in the collection listing for those files (see Vol. I of this finding aid).

P.L. & C. Photographs Numbering Schemes:

The Proprietors of the Locks and Canals on Merrimack River numbered many of its photographs, but not all of them, and among the numbered photographs it employed several different numbering schemes. This implies a subject-group function for each of the different numbering schemes but, except for the two sequential numbering schemes, the HJ prefix numbering scheme, and the X prefix numbering scheme it is not known what broader subject each group represents.

1. The largest numbered group was that represented by a sequential numbering scheme beginning with number 1 and ending with number 3276. It contained interpolated imagery bearing duplicate print numbers with an –A suffix (e.g. 1589 vs. 1589-A) which imagery was often not related to the print whose number was thus used in modified form. Without these interpolations, the original numbering scheme would have been basically chronological; however, the interpolations typically introduced later imagery back into a number sequence of earlier images, thereby interrupting the otherwise chronological character of the sequential numbering. Clearly, this numbering scheme represents the fundamental PL&C photo-documentation.

2. There were also several smaller numbered groups.

The first consisted of 88 images using Roman numerals beginning with I and ending with LXXXVIII.

The second consisted of 73 images employing a mixed alpha-alpha and alpha-numeric numbering scheme (e.g. A, A-1, BB, YY-1). While not identified as such, this group seems to consist of images of both banks of the Merrimack River.

The third consisted of 72 images using a B prefix (e.g. B-1 through B-72).

The fourth consisted of 23 images using a C prefix (e.g. C-2 through C-24).

The fifth consisted of 16 images using an HJ prefix (e.g. HJ-1 through HJ-16). This is the only small numbered grouping whose purpose or subject is identified. This prefix scheme applies to photo-documentation of a *Special Hamilton* [Mfg. Co.] *Job – December 1921*.

The sixth consisted of 80 images using a T.D.H. prefix (e.g. T.D.H. 1 through T.D.H. 78, plus T.D.H. 15A and 53A).

The seventh consisted of 26 images employing an X prefix (e.g. X-0 through X-25). This prefix scheme applies to *Miscellaneous Images* as noted on the PL&C handwritten X- prefix list of March 31, 1921.

The eighth consisted of at least 654 glass lantern-slides sequentially numbered without prefixes but with some suffixes (e.g. 638a and 638b).

3. There were also three unnumbered groups.

The first consisted of an unnamed album containing 88 unnumbered images from the years 1909 and following which illustrate such subjects as the construction of the new Massachusetts Mills power house and their new cotton storehouse.

The second consisted of an envelope entitled "Fire Protection" containing images primarily of fire hose and pressure tests conducted by PL&C at the various textile mill complexes where they provided water for indoor sprinkler systems and outdoor hydrants.

The third consisted of 708 truly miscellaneous original images in the collection of the UMASS Lowell Center for Lowell History which it, in turn, numbered with an M- prefix followed by a number, the range being M-1 through M-708. There were 31 copies of images that fell into the group which came to Lowell National Historical Park when it purchased the portion of the PL&C collections that it holds.

4. There was also a large group of unnumbered photographs found among the P.L. & C. General Files (LOWE-5058). These were used to illustrate the letters, reports, etc. found in those files. It was in this group that the photo-documentation for several PL&C upper Merrimack River functions was found. These functions include PL&C's reservoirs and pondings, such as Merrymeeting Lake, and their dams, along with PL&C operations at the Lake Company on Lake Winnepesaukee in New Hampshire.¹

P.L. & C. Photographs Indexes:

PL&C produced typed numerical indexes to its photograph collections through 1941 (see Appendix 1). It also produced a handwritten list of photographs created between 1942 and the end of December 1948 and another handwritten list of X- prefix photographs entitled *Miscellaneous Negatives* dated March 31, 1920 (Appendix 2). In addition, it produced a typed alphabetical subject index to those photographs (Appendix 3). These indexes were found in the PL&C General Files (LOWE-5058) under file number 1031.

The 172 page typed numerical index includes indexes to the B- prefix, C-prefix, and Roman numeral photographs at pages 91 through 93 (B- prefix), page 94 (C- prefix), and pages 95 through 98 (Roman numerals) (Appendix 1). The numerical sequence, which

¹ The Collection Listing for the General Files in Vol. I. notes the locations of photographs integrated into these files.

was interrupted by the insertion of these otherwise unrelated photographs, resumes at page 99 and continues uninterrupted to the end.

The typed alphabetical subject index is partial in that it only covers subject headings from A to Me. The typing stops at Me in mid-page, which suggests that its creation never got beyond that point (Appendix 3).

Ultimate Disposition of the P.L. & C. Photograph Collection:

In October 1996, Lowell National Historical Park purchased the PL&C photographs collection except for the portion that had been donated earlier by the PL&C to the University of Massachusetts, Lowell.

The Collection as Received by Lowell National Historical Park:

1. Seventeen bound volumes of original photographic prints. These comprise two copies of volume no.1; volume no.7; volume no.7-A; volume no.8; and volumes nos. 9 through 15. They contain prints bearing PL&C numbers:

1-213 (vol. 1)
1361-1589-A (vol. 7)
1623A-1695 (duplicate prints, vol. 7-A)
1590-1812 (vol. 8)
1813-2035 (vol. 9)
2036-2260 (vol. 10)
2261-2483 (vol. 11)
2484-2706 (vol. 12)
2707-2927 (vol. 13)
2928-3156 (vol. 14)
3157-3276 (vol. 15)

2. All of the original and copy photographic prints contained in the PL&C General Files (LOWE-5058). There were many duplicate prints from the sequentially numbered print group noted above found within the General Files. However, there were also quite a number of original prints that did not bear any PL&C numbering at all and were largely of subjects relating to PL&C's reservoirs and pondings, and their dams, in New Hampshire along with PL&C operations at the Lake Company on Lake Winnepesaukee.

3. Seven prints from the group of 88 using Roman numerals.

4. Six prints from the group of 73 using the mixed alpha-alpha and alpha-numeric numbering scheme.

5. Twenty three prints from the group of 72 using the B prefix.
6. Fourteen prints from the group of 23 images using the C prefix.
7. Twenty three prints from the group of 80 using the T.D.H. prefix.
8. Twenty six prints, which is a complete set, from the group using the X prefix.
9. Thirty three glass lantern slides from a sequentially numbered group whose highest number among those received was 653.
10. The unnamed album containing 88 unnumbered prints from the years 1909 and following which illustrate such subjects as the construction of the new Massachusetts Mills power house and their new cotton storehouse.
11. Nineteen unnumbered film negatives.
12. Nine unnumbered glass-plate negatives.

The Collection as Processed by Lowell National Historical Park:

Because of the image-bearing capabilities of artifact catalogue records created in the ANCS+ cataloguing system, which has been adopted by the National Park Service for service-wide use, LOWE chose to individually catalogue the PL&C photographs it owns.

Although item level processing is not generally done for archival collections, in the case strong user interest in PL&C images coincided with the capabilities of the cataloguing system to present a compelling argument for item level cataloguing.

Given that all the collections of Lowell National Historical Park can be accessed through the National Park Service web catalogue, item level cataloguing of this collection was the most expeditious way to make all these images available for perusal by researchers nationwide. It also parallels the cataloguing of other imagery in the LOWE collection.

At the item level, each individual image has its own unique ANCS+ catalogue number. These ANCS+ catalogue numbers are separate from and bear no organizational relationship to any numbering schemes employed by PL&C or others. They were applied to each individual image as it was processed, basically, in the order received. However, the PL&C numbers are recorded in the ANCS+ catalogue records in a data field called "other numbers" and are not lost to an image simply because it was given an ANCS+ number upon cataloguing.

In order to facilitate searching the Lowell National Historical Park website by ANCS+ catalogue number, the following list of ANCS+ catalogue number as applied to PL&C imagery is provided:

PL&C photographic prints:

LOWE-7001 through LOWE-9955
LOWE-10026 through LOWE-10099
LOWE-11001 through LOWE-11905
LOWE-11969 through LOWE-11999
LOWE-15544 through LOWE-15547

PL&C glass plate negatives:

LOWE-14529 through LOWE-14537

PL&C film negatives (replicated as inter-positives and film negatives on safety film):

LOWE-10003 through LOWE-10025
LOWE-12565 through LOWE-12575

PL&C glass lantern slides:

LOWE-14515 through LOWE-14528
LOWE-15557 through LOWE-15575

The Collection as Received by UMASS Lowell Center for Lowell History:

The University of Massachusetts Lowell Center for Lowell History received the bulk of the PL&C photographic negatives.

It also received those bound volumes of original photographic prints donated to it before the purchase of the remainder by Lowell National Historical Park. They contain prints originally generated from the negatives noted above.

In addition, it received all 16 images using the HJ prefix (e.g. HJ-1 through HJ-16) representing photo-documentation of a *Special Hamilton [Mfg. Co.] Job – December 1921*.

It also received the bulk of the imagery from the other numbered groups of images employing prefixes.

Lastly, it received 708 miscellaneous original images which it then numbered with an M-prefix followed by a number, the range being M-1 through M-708, in order to gain basic intellectual control of these images.

The holdings of the UMASS Lowell Center for Lowell History are not detailed in this finding aid. To access their collection and survey its contents, researchers may contact the Center at 978-934-4000.

Searching the NPS web catalogue for PL&C Photographs:

All of the PL&C imagery at Lowell National Historical Park covered by this finding aid is accessible for perusal through the NPS web catalogue. It can be found via the NPS Museum Management web page at www.cr.nps.gov/museum/. Once there, select Web Catalog from the bar menu. Then select Lowell NHP from the list. The catalogue allows you to Browse or Search. Use the Search function in conjunction with this finding aid.

To search by PL&C numbers as found in Appendix 2, simply type a number into the block provided and strike the search button below. Your selection will appear on the screen. You may also find a second selection. This is because some PL&C photograph numbers have the same number component as some LOWE catalogue numbers. When they do, both selections will appear even though the LOWE catalogue number will have no relationship to the PL&C photograph number.

For example, a search on number 1761 will bring up two records. One is LOWE catalogue number 1761, which is a pharmacist's chemical bottle (catalogued in 1989), the other is LOWE catalogue number 8135, which is PL&C photoprint number 1761 (catalogued in 2000). The two artifacts have nothing to do with each other except that they happen to have one number in common in their respective catalogue records. Both appeared in this sample search but the user of this finding aid would only be seeking the photoprint.

Other PL&C numbers will yield only the PL&C photoprint. A search on number 1672A, for example yields only the PL&C photoprint with that number. That print happens to carry the LOWE catalogue number 7996 but LOWE catalogue numbers do not have alphabetic suffixes so no other item was found in a search for number 1672A.

Searches can also be conducted in the search mode using words rather than numbers. The PL&C titles or captions that appear on the photographs themselves were transcribed literally into the Web Catalogue records, thus, the titles that appear in Appendix 2 should be searchable in the Web Catalogue. However, a word of caution regarding text searches is necessary and it is that the more words used in any given search entry, the longer the search will take. Therefore, it is better to use the fewest number of words possible and to rely on key terms. For example, PL&C photoprint number 363 bears the title "Left shore Merrimack River from north pier of Aiken St. bridge, looking upstream. Shows head of Long Island." If one attempted a search on the entire title, the search would take quite a

long time. If, however, one searched just on the words “Long Island”, the search would be much faster and this photograph would appear in the results along with any others of the same subject.

The database is larger than the body of photographs that appears in the PL&C Index of Photograph Plates, however. Therefore, when doing a broad-based, general search use any term or terms that might lead to the subject being pursued, especially if that subject has a name or its location is known. For example, a search for photographs of Merrymeeting Lake (using the single search term “merrymeeting”) would yield a large number of images outside the numbered series of photographs covered by the PL&C Index of Photograph Plates. In this case the PL&C Index would provide a useful search term but is hardly definitive in and of itself and only a database search would yield the full scope of Merrymeeting Lake imagery in the collection.

A final note on two popular search subjects:

The first is “Little Canada”, the old Franco-American neighborhood that was lost to an urban renewal project. A search of the database under the term Little Canada will yield only a few images but there are actually over thirty images in the collection. The explanation for this is that the term Little Canada was not usually used by the Proprietors to identify the subjects of photographs taken there. This is because they were not photographing a neighborhood but, rather, some much more specific subject, such as a piece of property they might own, which happened to be in that neighborhood. As a result, they typically identified the photograph by the name of the street on which the subject was located and not by the neighborhood in which it was found. Therefore, the best way to locate Little Canada photographs is by searching street names in that neighborhood. The following streets in Little Canada were photographed by the Proprietors of the Locks & Canals: Aiken Street, Cabot Street, Cheever Street, Coolidge Street, Ford Street, Hall Street, James Street, Moody Street, and Perkins Street.

The second is the “Francis Gate” dam and lock complex. This is current rather than historic nomenclature and, thus, was not used by the Proprietors of the Locks & Canals for that location. They routinely referred to it as the “Old Guard Locks” and that is the search terminology that will yield the desired results.

Proprietors of the Locks and Canals
on Merrimack River Photographs

Appendix 1

PL&C Index of Photograph Plates. This is the sequential numerical list of the main body of glass-plate negatives and their prints created by the Proprietors between 1883 and 1941. It contains the B-prefix sequence (pages 91-93), the C-prefix sequence (page 94), and the Roman numeral sequence (pages 95-98) and is 172 typewritten pages in its entirety. The original is located in the General Files #1031, Box 40, Folders 3-6.

May 19, 1919.

When a red star (*) appears after the note
"No negative" it means that the negative
was found after the index was made up.

G. D. B.

INDEX OF PHOTOGRAPH PLATES.

No.	Description	Date	Copy in Bk. No.
1.	(Tracing cloth) "The following experiments were made in the fall of 1897, at an experimental flume at the Swamp Locks, Lowell. Plan No. 1638 gives plan and sections of the flume".	1897	0
2.	(Tracing cloth) "Condition A, Expts. Nos. 1 to 12"		0
3.	" " " " " " No. 3"		0
4.	Experiment No. 3, Condition A, Vel. 5.7 ft. per sec.	Oct. 8, 1897	0
5.	Same as #4 but different location.	" " "	0
6.	" " " " " " "	" " "	0
7.	Photo. of gauge glasses - Expt. #3, Condition A, Vel. 5.7 ft. per sec.	" " "	0
8.	(Tracing cloth) "Condition A - Expt. No. 7"		0
9.	Expt. #7 - Condition A. Vel. 4.2 ft. per sec.	Oct. 9, 1897	0
10.	" " " " " " (different location)	" " "	0
11.	(Tracing cloth) "Condition A, Expt. No. 10"		0
12.	Expt. No. 10, Condition A, Vel. 3.9 ft. per sec.	" " "	0
13.	(Same as 12, different location)	" " "	0
14.	" " " " " "	" " "	0
15.	(Tracing cloth) "Condition A, Expt. No. 11"		0
16.	Expt. No. 11, Condition A, Vel. 3.0 ft. per sec.	" " "	0
17.	(Same as #16, different location)	" " "	0
18.	" " " " " "	" " "	0
19.	(Tracing cloth) Condition B. Expts. #13-23.		0
20.	" " " " " Expt. #13.		0
21.	Expt. #13, Condition B, Vel. 8.1 ft. per sec.	Oct. 11, 1897	0

Index (cont.)

No.	Description	Date	Copy in Bk. No.
22.	Same as #21 but different location	Oct. 11, 1897	0
23.	" " " " " "	" " "	0
24.	" " " " " "	" " "	0
25.	Experiment No. 14, Condition B. (Tracing cloth)	" " "	0
26.	Expt. #14, Condition B, Vel. 7.0 ft. per sec.	" " "	0
27.	Same as #26 - different location	" " "	0
28.	" " " " " "	" " "	0
29.	Expt. #15, Condition B. (Tracing cloth)	" " "	0
30.	" " " " Vel. 6.1 ft. per sec.	" " "	0
31.	Same as #30 - different location	" " "	0
32.	" " " " " "	" " "	0
33.	Expt. #19, Condition B. (Tracing cloth)	Oct. 12, "	0
34.	" " " " Vel. 4.8 ft. per sec.	" " "	0
35.	Same as #34 - different location	" " "	0
36.	" " " " view	" " "	0
37.	Experiment #20, Condition B. (tracing cloth)	" " "	0
38.	" " " " Vel. 3.0 ft. per sec.	" " "	0
39.	Same as #38 - different view	" " "	0
40.	" " " " " "	" " "	0
41.	Expt. #21, Condition B (Tracing cloth)	" " "	0
42.	" " " " Vel. 2.4 ft. per sec.	" " "	0
43.	Same as #42 - different view	" " "	0
44.	" " " " " "	" " "	0

Index (cont.)

No.	Description	Date	Copy in Bk. No.
45.	(Tracing cloth) "Condition C. This condition covers all expts. with flaring sides (10 to 1 slope) and bottom (5 to 1 slope) at mouth of narrow part of flume. Expts. Nos. 24 to 32."		0
46.	(Tracing cloth) "Condition C. Expt. No.24	Oct. 13, 1897	0
47.	Expt. #24, Condition C. Vel. 8.1 ft. per sec.	" " "	0
48.	Same as #47 - different view	" " "	0
49.	" " " - " "	" " "	0
50.	(Tracing cloth) "Condition C, Expt. No. 25	" " "	0
51.	Expt. #25, Condition C, Vel. 6.4 ft. per sec.	" " "	0
52.	Same as #51 - different view	" " "	0
53.	" " " " "	" " "	0
54.	(Tracing cloth) "Condition C, Expt.No.26	" " "	0
55.	Expt. No. 26, Condition C, Vel. 4.7 ft. per sec.	" " "	0
56.	Same as #55 - different view	" " "	0
57.	" " " " "	" " "	0
58.	(Two plates practically the same) Expt.26 Same as #55 - different views	" " "	0
59.	(Tracing cloth) "Condition C, Expt.No.27	" " "	0
60.	Expt. No. 27, Condition C, Vel. 2.7 ft. per sec.	" " "	0
61.	Same as #60 - different view	" " "	0
62.	" " " " "	" " "	0
63.	(Tracing cloth)"Condition D, Expts. Nos. 33 to 41."		0
64.	(Tracing cloth) "Condition D, Expt.No.34	" 15, "	0
65.	Expt. #34 - Condition D, Vel. 3.0 ft. per sec.	" " "	0
66.	Same as #65 - different view	" " "	0

Index (cont.)

No.	Description	Date	Copy in Bk. No.
67.	(Tracing cloth) Condition D, Expt. No.35	Oct. 15, 1897	0
68.	Expt. #35, Condition D, Vel. 4.8 ft.per sec.	" " "	0
69.	Same as #68 - different view	" " "	0
70.	" " " " "	" " "	0
71.	(Tracing cloth) Condition No. 36	" " "	0
72.	Expt. #36, Condition D, Vel. 6.4 ft.per sec.	" " "	0
73.	Same as #72 - different view	" " "	0
74.	" " " " "	" " "	0
75.	Piezometer gauges. Expt. 36, Condition D, Vel. 6.4 ft. per sec.	" " "	0
76.	Same as #72 - different view	" " "	0
77.	(Tracing cloth) Condition D, Expt. No.37	" " "	0
78.	Expt. #37, Condition D, Vel. 2.5 ft.per sec.	" " "	0
79.	Same as #78 - different view	" " "	0
80.	(Tracing cloth) Condition D, Expt.No.38	" " "	0
81.	Expt. #38, Condition D, Vel. 5.7 ft.per sec.	" " "	0
82.	Same as #81 - different view	" " "	0
83.	(Tracing cloth) Condition D, Expt.No.39	" " "	0
84.	Expt. #39, Condition D, Vel. 4.0 ft.per sec.	" " "	0
85.	Same as #84 - different view	" " "	0
86.	(Tracing cloth) Condition D, Expt.No.40	" " "	0
87.	Expt. #40, Condition D, Vel. 2.4 ft.per sec.	" " "	0
88.	Same as #87 - different view	" " "	0

Index (cont.)

No.	Description	Date	Copy in Bk. No.
89.	(Tracing cloth) "Condition D-1. This condition covers all expts. with flaring sides and bottom (10 to 1 slope) at mouth of narrow part of flume and top partly covered. Expts. Nos. 42 to 48."		0
90.	(Tracing cloth) Condition D-1. Expt. No.42	Nov. 1, 1897	0
91.	Expt. No.42, Condition D-1, Vel. 6.7 ft. per sec.	" " "	0
92.	Same as #91, different view	" " "	0
93.	Condition D-1, Expt. No.43. (Tracing cloth)	" " "	0
94.	Expt. No.43, Condition D-1, Vel. 5.1 ft. per sec.	" " "	0
95.	Same as #94 - different view	" " "	0
96.	(Tracing cloth) Condition D-1, Expt.No.44	" " "	0
97.	Expt. No.44, Condition D-1, Vel. 3.2 ft. per sec.	" " "	0
98.	Same as #97 - different view	" " "	0
99.	(Tracing cloth) Condition D-1, Expt.No.45	" " "	0
100.	Expt. No.45, Condition D-1, Vel. 2.5 ft. per sec.	" " "	0
101.	Same as #100 - different view	" " "	0
102.	(Tracing cloth)"Condition E. This condition covers all expts. with flaring sides and bottom (10 to 1 slope) at mouth of narrow part of flume and cover removed. Expts. Nos. 49 to 50 "		0
103.	(Tracing cloth) Condition E, Expt. No.49	" 4, "	0
104.	Expt. No.49, Condition E, Vel. 9.2 ft. per sec.	" " "	0
105.	Same as No. 104 - different view	" " "	0
106.	" " " " " " " " " " " "	" " "	0
107.	(Tracing cloth) "Condition E. Expt. No.50	" " "	0
108.	Expt. No.50, Condition E, Vel. 6.7 ft. per sec.	" " "	0

Index (cont.)

No.	Description	Date	Copy in Bk. No.
109.	Same as #108 - different view	Nov. 4, 1897	0
110.	" " " " "	" " "	0
111.	(Tracing cloth)"Condition E, Expt. 51."	" " "	0
112.	Expt. #51, Condition E, Vel. 4.9 ft. per sec.	" " "	0
113.	Same as #112 - different view	" " "	0
114.	" " " " "	" " "	0
115.	(Tracing cloth) "Condition E, Expt. No. 52"	" " "	0
116.	Expt. No. 52, Condition E, Vel. 3.2 ft. per sec.	" " "	0
117.	Same as #116 - different view	" " "	0
118.	" " " " "	" " "	0
119.	(Tracing Cloth) Condition E, Expt. No. 53	" " "	0
120.	Expt. No. 53, Condition E, Vel. 2.6 ft. per sec.	" " "	0
121.	Same as #120 - different view	" " "	0
122.	" " " " "	" " "	0
123.	(Tracing cloth) Condition E, Expt. No. 54	" " "	0
124.	Expt. No. 54, Condition E, Vel. 5.8 ft. per sec.	" " "	0
125.	Same as #124 - different view	" " "	0
126.	" " " " "	" " "	0
127.	" " " " "	" " "	0
128.	(Tracing cloth)"Condition F, This condi- tion covers all expts. with flaring sides and bottom (10 to 1 slope) at mouth of narrow part of flume and cleats nailed on sides and bottom of narrow part. Expts. Nos. 59 to 64."		
129.	(Tracing cloth) Condition F, Expt. No. 59	" 10, 1897	0
130.	Expt. No. 59, Condition F, Vel. 7.4 ft. per sec.	" " "	0

Index (cont.)

No.	Description	Date	Copy in Bk. No.
131.	Same as #130 - different view	Nov. 10, 1897	0
132.	" " " " "	" " "	0
133.	" " #132 - " time	" " "	0
134.	(Tracing cloth) Condition F, Expt. No. 60	" " "	0
135.	Expt. No. 60, Condition F, Vel. 5.9 ft. per sec.	" " "	0
136.	Same as #135 - different view	" " "	0
137.	" " " " "	" " "	0
138.	No plate, but print same as #137 - dif- ferent time, in Book No. 0 (plate found later & put in proper place.)	" " "	0
139.	(Tracing cloth) Condition F, Expt. No. 61	" " "	0
140.	Expt. No. 61, Condition F, Vel. 4.5 ft. per sec.	" " "	0
141.	Same as #140 - different view	" " "	0
142.	" " " " "	" " "	0
143.	(Tracing cloth) Condition F, Expt. No. 62	" " "	0
144.	Expt. No. 62, Condition F, Vel. 3.9 ft. per sec.	" " "	0
145.	Same as #144 - different view	" " "	0
146.	" " " " "	" " "	0
147.	(Tracing cloth) Condition F, Expt. No. 63	" " "	0
148.	Expt. No. 63, Condition F, Vel. 3.0 ft. per sec.	" " "	0
149.	Same as #148 - different view	" " "	0
150.	" " " " "	" " "	0
151.	(Tracing cloth) Condition F, Expt. No. 64	" " "	0
152.	Expt. No. 64, Condition F, Vel. 2.4 ft. per sec.	" " "	0
153.	Same as #148 - different view	" " "	0
154.	" " " " "	" " "	0

Index (cont.)

No.	Description	Date	Copy in Bk. No.
155.	(Tracing cloth) "Condition F-1. This condition covers all expts. with flaring sides (10 to 1 slope) and bottom (5 to 1 slope) and cleats nailed on sides and bottom of narrow part of flume, Expts. Nos. 65 to 71"		0
156.	(Tracing cloth) Condition F-1, Expt.No.65	Nov. 11,1897	0
157.	Expt. No. 65,Condition F-1, Vel. 7.3 ft.per sec.	" " "	0
158.	Same as #157 - different view	" " "	0
159.	" " " " "	" " "	0
160.	" " " " time	" " "	0
161.	(Tracing cloth) Condition F-1, Expt.No.66	" " "	0
162.	Expt. No. 66, Condition F-1, Vel. 5.9 ft. per sec.	" " "	0
163.	Same as #162 - different view	" " "	0
164.	" " " " "	" " "	0
165.	" " " " time	" " "	0
166.	(Tracing cloth) Condition F-1, Expt.No.67	" " "	0
167.	Expt. No. 67, Condition F-1, Vel.5.1 ft. per sec.	" " "	0
168.	Same as No. 167 - different view	" " "	0
169.	(Tracing cloth) Condition F-1,Expt.No.68	" " "	0
170.	Expt.No. 68,Condition F-1, Vel. 4.4 ft. per sec.	" " "	0
171.	Same as #170 - different view	" " "	0
172.	" " " " "	" " "	0
173.	(Tracing cloth) Condition F-1, Expt.No.69	" " "	0
174.	Expt. No.69, Condition F-1, Vel. 3.6 ft. per sec.	" " "	0
175.	Same as No. 174 - different view	" " "	0
176.	" " " " " "	" " "	0

Index (cont.)

No.	Description	Date	Copy in Bk. No.
177.	{Tracing cloth} Condition F-1, Expt.No.70	Nov.11,1897	0
178.	Expt. No. 70, Condition F-1, Vel. 2.4 ft. per sec.	" " "	0
179.	Same as #178 - different view	" " "	0
180.	" " " " "	" " "	0
181.	{Tracing cloth} Condition F-1,Expt.No.71	" " "	0
182.	Expt. No. 71, Condition F-1, Vel. 1.9 ft. per sec.	" " "	0
183.	Same as #182 - different view	" " "	0
184.	" " " " "	" " "	0
185.	{Tracing cloth}"Condigion G. This condi- tion covers all expts. with flume as first built and cleats nailed on sides and bottom of narrow part, Expts. Nos.72 to 78."		0
186.	{Tracing cloth} Condition G, Expt. No. 72	" 12, "	0
187.	Expt. No. 72, Condition G, Vel. 6.5 ft.per sec.	" " "	0
188.	Same as #187 - different view	" " "	0
189.	" " " " "	" " "	0
190.	{Tracing cloth} Condition G, Expt.No. 73	" " "	0
191.	Expt. No. 73, Condition G, Vel. 5.5 ft.per sec.	" " "	0
192.	Same as #191 - different view	" " "	0
193.	" " " " "	" " "	0
194.	{Tracing cloth} Condition G, Expt. No. 74	" " "	0
195.	Expt. No. 74, Condition G, Vel. 4.9 ft. per sec.	" " "	0
196.	Same as #195 - different view	" " "	0
197.	" " " " "	" " "	0
198.	{Tracing cloth} Condition G,Expt. No.75	" " "	0

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No.	Description	Date	Copy in Bk. No.
199.	Expt. No. 75, Condition G, Vel. 4.3 ft. per sec.	Nov. 12, 1897	0
200.	Same as #199 - different view	" " "	0
201.	" " " " "	" " "	0
202.	(Tracing cloth) Condition G, Expt. No. 76	" " "	0
203.	Expt. No. 76, Condition G, Vel. 3.4 ft. per sec.	" " "	0
204.	Same as #203 - different view	" " "	0
205.	" " " " "	" " "	0
206.	(Tracing cloth) Condition G, Expt. No. 77	" " "	0
207.	Expt. No. 77, Condition G, Vel. 2.4 ft. per sec.	" " "	0
208.	Same as #207 - different view	" " "	0
209.	" " " " "	" " "	0
210.	(Tracing cloth) Condition G, Expt. No. 78	" " "	0
211.	Expt. No. 78, Condition G, Vel. 1.9 ft. per sec.	" " "	0
212.	Same as #211 - different view	" " "	0
213.	" " " " "	" " "	0
	BOOK NO. 1 CONTAINS DUPLICATES OF PHOTOS. IN BOOK NO. 0		
214.	North Wall Pawtucket Canal (no plate)	Built 1891.	2
214-A	North wall Pawtucket Canal, East of School Street, built 1891	(Vote Feb. 26, '91)	2
215.	Pawtucket Canal Wall below School St. (no plate)	Feb. 26, 1891.	2
216.	View of School St. wall	Nov. 26, 1893	2
217.	Foundation of Pawtucket Canal Wall, be- low School St.	" 5, "	2
218.	(No plate) View of Wall, etc. School St.	" 20, "	2

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No.	Description	Date	Copy in Bk. No.
219.	View of work below waterways at Old Guard Locks	Nov. 26, 1893.	2
220.	View of waterways back of gates at Old Guard Locks	" " "	2
221.	Mouth of Hamilton Wasteway	Dec. 24, 1893.	2
222.	(no plate) View showing section of box for shear wall at Lower Locks dam set Nov. 12, 1893. This section rose to surface when canal was filled.	Nov. 14, 1893.	2
223.	Flooring Lower Level Rawtucket Canal	Sept. 3, 1893.	2
224.	(No plate) Flooring Lower Level Rawtucket Canal	" " "	2
225.	Flooring Lower Level Rawtucket Canal - Lowering Pipe front of L. L. Dam.	" " "	2
226.	Merrimack Nos. 10 & 11 - 42" Hercules - put in 1894 - Type A	1894	2
227.			
228.			
229.	Apparatus used in Testing Rodney Hunt wheels #4 Pair at Appleton Co.	1894	2
230.	Apparatus used for testing Rodney Hunt wheels at Appleton Co. #4 Pair.	1894	2
231.	Apparatus used in Testing Rodney Hunt wheels #4 Pair at Appleton Co.	1894	2
232.	Apparatus used in Testing Rodney Hunt wheels at Appleton Co.	1894	2
233.	Weir used in Measuring Quantity passing Rodney Hunt Wheels #4 Pr. at Appleton Co. during test of 1894. Hook-gages at right of picture.	1894	2

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No.	Description	Date	Copy in Bk. No.
234.			
235.	39" McCormick No. 3 at Appleton Co. New July 1895.	1895	2
236.	(No plate) 39" McCormick No. 3 at Appleton Co. New July 1895.	1895	2
237.	39" McCormick No. 3 at Appleton Co. New July 1895.	1895	2
238.	(No plate) Inside case with Suffolk No. 3 & 3A wheels, 48" Standard Victor. New 1895	1895	2
239.	48" Victor at Tremont Mills, taken out 1895	1895	2
240.	48" Victor at Tremont Mills, taken out 1895 (guides) (2 plates)	1895	2
241.	48" Victor at Tremont Mills, New 1895 (guides) - (2 plates)	1895	2
242.	48" Victor at Tremont Mills, New 1895	1895	2
243.	48" Victor at Tremont Mills, New 1895 (2 plates)	1895	2
244.	48" Victor at Tremont Mills, New 1895 (2 plates)	1895	2
245.	48" Victor at Tremont Mills, New 1895	1895	2
246.	Tremont #4A in Case, 48" Victor, New 1895	1895	2
247.	Section #6- Iron penstock pipe at Merrimack M. Co.	July 1896.	2
248.	Speed-gate of Merrimack Mfg. Co. 45" L.H. McCormick wheel put in Aug. 1896 (two plates)	1896	2
249.	Merrimack M. Co.'s 45" L.H. Mc- Cormick wheel put in Aug. 1896 (2 plates)	1896	2
250.	Part of dome of 45" L.H. McCormick, wheel put in at Merrimack M. Co. Aug. 1896 (2 plates)	1896	2
251.	Moody St. Reeder during repairs,	Sept. 13, 1896	2

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No.	Description	Date	Copy in Bk. No.
252.	Moody St. Feeder during repairs	Sept. 13, 1896	2
253.	Moody St. Feeder	June 20, 1897	2
254.	" " "	" " "	2
255.	" " "	" " "	2
256.	" " "	" " "	2
257.	" " "	" " "	2
258.	" " "	" " "	2
259.	" " "	" " "	2
260.			
261.	Method of lowering foundation of arches of raceway in Middlesex Co.'s No. 3 Mill	Oct. 12, 1896	2
262.	Arches of raceway in Middlesex Co.'s No. 3 Mill with new foundation stones set under middle pier (2 plates)	Oct. 17, 1896	2
263.	Pr. of 30" Hercules wheels for Middlesex Co.'s No. 3 Mill, tested at Holyoke, Mass.	Dec. 18, 1896.	2
264.	Middlesex Co. - Brake used in testing 30" Hercules wheel, at Holyoke, Mass. Horizontal shaft.	" " "	2
265.	Brake Arm, Dash-Rot, etc. of Dynamometer used in testing 30" Hercules wheels at Holyoke, Mass.	" " "	2
266.	Brake Arm, etc., of Dynamometer used to test 30" Hercules wheels at Holyoke,	" " "	2
267.	View shows #1 Guides at T. & S. Mills Tremont side, broken Feb. 3, 1897. 48" Victor put in in 1895. (2 plates)	" 1897.	2
268.	View shows #1 wheel at T. & S. Mills, Tremont side, broken Feb. 3, 1897. 48" Victor put in in 1895. (2 plates).	1897.	2
269.	Tremont - Victor 48" wheel put in to replace No. 1 wheel which was broken Feb. 3, 1897.	1897.	2

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No.	Description.	Date	Copy in Bk. No.
270.	View of Boott Canal from waste dam looking up stream	Apr. 19, 1897.	2
271.	View of Boott Canal from 50 ft. up-stream from waste dam, looking downstream	" " "	2
272.	View of Boott Canal from 25 ft. downstream from Counting Room Bridge, looking down stream,	" " "	2
273.	View of Boott Canal from 25 ft. downstream from Counting Room Bridge, looking up-stream	" " "	2
274.	View of Boott Canal from Mass. Wasteway looking downstream	" " "	2
275.	View of Boott Canal from 25 ft. downstream from the upstream end of Boott Flume, looking upstream & showing Mass. Wasteway on left	" " "	2
275A	Elast south side of Pawtucket Canal just above School St.	May 23, 1897	2
276.	Race below Swamp Locks Dam, from middle of dam, 14 $\frac{1}{2}$ bays wasting, water at 68.7 in Lower Lock	Apr. 3, 1897	2
277.	Swamp Locks Dam from a little below the end of the apron on the R. H. end of dam, 14 $\frac{1}{2}$ bays waste, water at 68.7 in Lower Locks	" " "	2
278.	View shows Swamp Locks Dam looking up from Lowell Machine Shop Bridge	" " "	2
279.	View shows Lower Pawtucket Canal taken from Machine shop Bridge looking downstream	" " "	2
280.	Race below Swamp Locks Dam from Ramp 125 $\frac{1}{2}$ below Machine Shop Bridge, looking upstream.	" " "	2
281.	Lower Pawtucket Canal from 125 $\frac{1}{2}$ below Machine Shop Bridge, looking downstream.	" " "	2
282.	Pawtucket Dam	Aug. 10, 1897	2
283.	" "	" " "	2
284.	" "	" " "	2
285.	" "	" " "	2
286.			

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No.	Description	Date	Copy in Bk. No.
287.	Clay Pit Brook, East of Boulevard	June 11, 1897	2
288.	" " " from Boulevard looking downstream	" " "	2
289.	" " " 200 ⁺ ft. upstream from Boulevard	" " "	2
290.	" " " from East line of Lucy M. Fay Est. looking upstream	" " "	2
291.	" " " from East line of Lucy M. Fay Est. looking upstream	" " "	2
292.	" " " from Dunbar Ave. on Lucy M. Fay Est. looking downstream	" " "	2
293.	" " " from Dunbar Ave. looking upstream	" " "	2
294.	" " " from farm crossing back of Wm. Hull's barn looking downstream	" " "	2
295.	" " " from farm crossing back of Wm. Hull's barn looking upstream	" " "	2
296.	" " " from Thos. Varnum's E. Div. line looking upstream	" " "	2
297.	" " " 300 ft. W. of Thos. Varnum's E. Div. line looking upstream	" " "	2
298.	" " " from farm crossing back of Thos. Varnum's homestead looking upstream	" " "	2
299.	" " " from wall back of Varnum Cabin looking upstream	" " "	2
300.	" " " from Thos. Varnum's W. Div. line looking upstream	" " "	2
301.	" " " from Bedford Ave. looking downstream	" " "	2
302.	" " " from Bedford Ave. looking upstream	" " "	2
303.	" " " from Lexington Ave. looking upstream	" " "	2
304.	" " " from W. line of Geo. L. Goodale Est. looking upstream.	" 12, "	2
305.	" " " from W. line of Geo. L. Goodale Est. looking downstream.	" " "	2
306. 306A	" " " from cor. Varnum & Townsend Ave., up & downstream. (4 sections)	" 11, "	2
307.	Black Brook from Middlesex St. looking downstream	" " "	2
308.	" " " " " " " " upstream	" " "	2
309.			
310.	Clay Pit Brook - 30 ft. E. of T. Varnum's E. line looking upstream	July 15, 1897	2

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No.	Description	Date	Copy in Bk. No.
311.	Clay Pit Brook, from crossing 300 ft. W. of T. Varnum's E. line, looking downstream	July 15, 1897	2
312.	(no plate) Clay Pit Brook, from farm cross- ing 300 ft. W. of Thos. Varnum's E. line, looking downstream	" " "	2
313.	Clay Pit Brook, from crossing back of T. Varnum Homestead looking downstream	" " "	2
314.	Clay Pit Brook, from wall back of Varnum Cabin, looking upstream	" " "	2
315.	(no plate) Clay Pit Brook, from Thos. Varnum's W. line looking upstream	" " "	2
316.	Clay Pit Brook, from Bedford Ave., looking downstream	" " "	2
317.	Clay Pit Brook, from Bedford Ave., looking upstream	" " "	2
318.	Clay Pit Brook, from Lexington Ave., looking upstream	" " "	2
319.	Clay Pit Brook, from cor. Varnum & Townsend Ave., looking downstream	" " "	2
320.	Clay Pit Brook, from cor. Varnum & Townsend Ave., looking upstream	" " "	2
321.	Clay Pit Brook, from W. line of Geo. L. Goodale Est., looking downstream	" " "	2
322.	Clay Pit Brook, from crossing at W. line of Geo. L. Goodale Est., looking upstream	" " "	2
323.	Clay Pit Brook, from Totum St., looking downstream	" " "	2
324.			
325.			
326.	Right shore Merrimack River below Boott upper property line looking upstream	Oct. 19, 1897	2
327.	Right shore Merrimack River, below Boott wasteway looking upstream	" " "	2
328.	Right shore Merrimack River above Boott Wasteway looking downstream	" " "	2

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No.	Description	Date	Copy in Bk. No.
329	Right shore Merrimack River, 340 ft. above Boott Wasteway, looking upstream.	Oct. 19, 1897	2
330	Right shore Merrimack River, 500 ft. above Boott wasteway, looking downstream.	" " "	2
331	Right shore Merrimack River, 500 ft. above upper property line of Boott C. Mills, upstream	" " "	2
332	Right shore Merrimack River, from Merr'k. H. Co.'s upper property line, looking downstream	" " "	2
333	Right shore Merrimack River, from Merrimack H. Co.'s upper property line, looking upstream	" " "	2
334	Right shore Merr'k. River, from 250 ft. above Lawrence Wasteway, looking down- stream.	Oct. 21, 1897	2
335	Right shore Merrimack River, from 500 ft. above Lawrence Wasteway, looking down- stream	" 19, "	2
336	Right shore Merrimack River, from 500 ft. above Lawrence Wasteway, looking upstream	" " "	2
337	Right shore Merrimack River, from 250 ft. below Aiken St. Bridge, looking downstream	" " "	2
338	Right shore Merrimack River, from 250 ft. below Aiken St. Bridge, looking upstream	" " "	2
339	Right shore Merr'k. River, from Aiken St. Bridge, looking downstream	" 29, "	2
340	Right shore Merrimack River, from South Pier Aiken St. Bridge, looking upstream	" 30, "	2
341	Right shore Merrimack River, from 250 ft. above Aiken St. Bridge, looking downstream	" 19, "	2
342	Right shore Merrimack River, from Moody St. Bridge, over Canal Wall, looking downstream	Oct. 30, 1897	2
343	Left shore Merrimack River, 40 ft. below mouth of Broughton Ave. Sewer, looking upstream	" 20, "	2
344	Left shore Merrimack River, from 20 ft. below mouth of Broughton Ave. Sewer, looking downstream	" " "	2

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No.	Description	Date	Copy in Bk. No.
345.	Left shore Merrimack River from 15 ft. downstream from Broughton Ave. Sewer, looking downstream	Oct. 26, 1897	2
346.	Left shore Merrimack River, from 15 ft. from Broughton Ave. Sewer, looking upstream	" " "	2
347.	Left shore Merrimack River, from Broughton Ave. sewer, looking upstream	" 29, "	2
348.	Left shore Merrimack River, from opposite Merrimack M. Co.'s #3 & 4 Races, looking downstream.	" 25, "	2
349.	Left shore Merrimack River, from opposite Merrimack M. Co.'s #3 & 4 races, looking upstream	" 26, "	2
350.	Left shore Merrimack River, from 180 ft. above Broughton Ave., looking upstream.	" 20, "	2
351.	Left shore Merrimack River, from opposite Fulton St., looking upstream	" " "	2
352.	Left shore Merrimack River, from opposite Fulton St., looking downstream	" " "	2
353.	Left shore Merrimack River, from 200 ft. above West St., looking downstream	" " "	2
354.	Left shore Merrimack River, from 200 ft. above West St., looking upstream	" " "	2
355.	Left shore Merrimack River, from 200 ft. above Lawrence Wasteway, looking downstream	" " "	2
356.	Left shore Merrimack River, from 200 ft. above Lawrence Wasteway, looking upstream	" " "	2
357.	Left shore Merrimack River, from 400 ft. above Lawrence Wasteway, looking downstream,	" 21, "	2

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No.	Description	Date	Copy in Bk. No.
358.	Left shore Merrimack River, from 400 ft. above Lawrence Wasteway, looking upstream	Oct. 21, 1897	2
359.	Left shore Merrimack River, from 300 ft. below Aiken St. Bridge, looking upstream	" " "	2
360.	Left shore of Merrimack River, from 300 ft. below Aiken St. Bridge, looking upstream	" " "	2
361.	Left shore Merrimack River, from North Pier of Aiken St. Bridge, looking downstream	Oct. 25, 1897	2
362.	Left shore Merrimack River, from North abutment of Aiken St. Bridge, looking upstream	" 30, "	2
363.	Left shore Merrimack River from North Pier of Aiken St. Bridge, looking upstream. Shows head of Long Island	" " "	2
364.	From North Bank of Merrimack River on West line of Aiken St. looking towards Moody St.	" " "	2
365.	Left shore Merrimack River, from 125 ft. above Aiken St. Bridge, looking downstream	" 21, "	2
366.	Left shore Merrimack River, from 125 ft. above Aiken St. Bridge, looking towards mouth of Beaver Brook.	" " "	2
367.	Left shore Merrimack River, from about 400 ft. downstream from Moody St., looking downstream.	" 30, "	2
368.	Left shore Merrimack River, from top of old wall, about 525 ft. downstream from Moody St. looking north	" " "	2
369.	View of Merrimack River from Moody St. Bridge, 160 ft. from Northern Canal, looking downstream. Paw. Dam 88.53	Dec. 16, 1897	2
370.	School St. from Paw. Bridge looking toward Pawtucket St.	Feb. 1, 1898	2

Index (cont.)

No.	Description	Date	Copy in Bk. No.
371.	School St. near Rawtucket, showing Paw. Bridge.	Feb. 1, 1898	2
372.	Rawtucket St.	" " "	2
373.	L. & C. yard	" " "	2
374.	L. & C. yard (different view)	" " "	2
375.	L. & C. yard " "	" " "	2
376.	L. & C. yard from Worthen St. (no negative)	" " "	2
377.	Worthen St. from Broadway looking toward Fletcher	" " "	2
378.	Worthen St. from Broadway looking toward Merrimack St.	" " "	2
379.	Residence of Mr. C. C. Campbell	" " "	2
380.	City Library	" " "	2
381.	Rawtucket St. from Merrimack looking toward School.	" " "	2
382.	Merrimack St. from Rawtucket looking toward City Hall	" " "	2
383.	Rawtucket Dam (1 duplicate negative)	" " "	2
384.	Residence of Mr. A. T. Safford (no negative)	" " "	2
385.	Branch St. from School, looking toward Wilder	" " "	2
386.	Broadway from School St. looking East	" " "	2
387.	Residence of Mr. F. E. Appleton	" " "	2
388.	Middlesex St. from Fletcher, looking West	" " "	2
389.	L. & C. yard	" 2 "	2
390.	L. & C. yard (different view)	" " "	2
391.	Broadway St. from Dutton	" 3 "	2
392.	Dutton St. from Broadway looking toward Merrimack	" " "	2
393.	Merrimack St. from Shattuck	" " "	2

Index (cont.)

No.	Description	Date	Copy in Bk. No.
394.	Merrimack St. from Palmer looking East.	Feb. 3, 1898	2
395.	Central St. from Middle, looking toward Merrimack	" " "	2
396.	Central St. from Market looking towards Middlesex	" " "	2
397.	Broadway from Mt. Vernon looking East (no negative)	" 4, "	2
398.	Daniel Gage's Dump for ice shavings.	" 4, "	2
399.	" " " " " " (different view)	" " "	2
400.	Daniel Gage's Elevator	" " "	2
401.	" " Snow scrapers	" " "	2
402.	" " Ice plows	" " "	2
403.	" " Snow scrapers (another view)	" " "	2
404.	N. Bank Merrimack River from mouth of Clay Pit Brook, looking downstream	" " "	2
405.	Blank		
406.	"		
407.	Test of Macomber Chemical Attachment for fire buckets.	Mar. 23, 1898	2
408.	Test of Macomber Chemical Attachment for fire buckets. (different view)	March, 1898	2
409.	Same as #408 - different view	" 23, 1898	2
410.	Northern Canal from below School St., looking downstream.	Mar. 16, 1898	2
411.	Northern Canal from School St. looking upstream	" " "	2
413.	Northern Canal from Gate No. on Wall looking up stream. Quan. passing = 5166 c.f.p.s.	" " "	2
412.	Northern Canal from above Gate No. on Wall looking downstream	" " "	2
414.	Northern Canal from Paw. St. bridge looking upstream. Quan. passing = 4978 c.f.p.s.	" " "	2

Index (cont.)

No.	Description	Date	Copy in Bk. No.
415.	Northern Canal from Raw. St. bridge looking downstream. Quan. passing = 4978 c.f.p.s.	Mar. 16, 1896	2
416.	Western Canal at head of Moody St. Feeder. Ht. water 85.43, Quan. passing Feeder = 2046 c.f.p.s.	" " "	2
417.	Western Canal from Moody St. looking upstream Quan. passing = 2476 c.f.p.s.	" " "	2
418.	Western Canal from Merrimack St. Quan. passing gates = 430 c.f.p.s.	" " "	2
419.	L. & C. Reservoir	May 8, 1896	2
420.	L. & C. Reservoir - different view.	" " "	2
421.	L. & C. Reservoir - " "	" " "	2
422.	L. & C. Reservoir - " "	" " "	2
423.	L. & C. Reservoir - " "	" " "	2
424.	(Blank)		
425.	View of Middlesex Co.'s No. 2 wheel pit show- ing Addition to draught tube put on Oct. 8, 1898 (no negative)		2
426.	View of Middlesex Co.'s No. 1 wheel outlet after draught tube extension of Oct. 8, 1898 was added (no negative)		2
427.	View from Middlesex Co.'s No. 2 wheel, looking downstream, after improvements of July 23 - Sept. 5, 1898 (no negative)		2
428.	View from Race showing outlet of Middlesex Co.'s No. 2 wheel after the improvements of July 23 - Sept. 5, 1898 (no negative)		2
429.	View from Race showing outlet of Middlesex Co.'s No. 1 wheel after the improvements of July 23 - Sept. 5, 1898 (no negative)		2
430.	View from upper end of Race at Middlesex Co.'s No. 5 Mill after improvements of July 23 - Sept. 5, 1898 (no negative)		2
431.	View of upper end of Race at Middlesex Co.'s No. 1 mill after improvements of July 23 - Sept. 5, 1898 (no negative)		2
432.	View of Outlet of No. 1 wheel at Middlesex Co., showing condition before concrete was put in by Mr. Ward (no negative)		2

Index (cont.)

No.	Description	Date	Copy in Bk. No.
433.	View of one of the Swain wheels at the Middlesex Co.'s Mill (no negative)		2
434.	(Blank)		
435.	Swamp Locks Dam (no negative)	1899	2
436.	Lower Locks Basin " "	1893	2
437.	(Blank)		
438.	Northern Canal Gate House (no negative)		2
439.	Old Guard Locks Gate House " "		2
440.	Gate House Old Guard Locks " "		2
441.	Great Gate. Old Guard Locks " "		2
442.	Old Guard Locks " "		2
443.	Above the Old Guard Locks " "		2
444.	L. & C. Yard		2
445.	Merrimack River from Andover St. (no negative)		3
446.	View of Merrimack River from end of Old Wall (5 exposures - part of negatives in 446-A)	June 10, 1899	3
447.	View of Merrimack River from Alder St.	" " "	3
448.	" " " " " Head Lower Rapids. (4 exposures some negatives in #448-A)	" " "	3
449.	View of Merrimack River. End of Old Wall (5 exposures some negatives in #449-A)	Oct. 29, 1899	3
450.	Same as #449 - different view (negatives also in #450-A)	Nov. 25, 1899	3
451.	Merrimack River from Alder St. (negatives also in #451-A)	" " "	3
452.	(Blank)		
453.	Merrimack River, from end Old Wall, Hunt's Falls (some negatives in #453-A)	Aug. 5, 1900	3
454.	Hunts Falls from opp. Alder St. (some negatives in #454-A)	" " "	3

Index (Cont.)

No.	Description	Date	Copy in Bk. No.
455.	Hunt's Falls from Head Lower Rapids (some negatives in #455-A)	Aug. 5, 1900	3
456.	Hunt's Falls from Mass. Co.'s Big Chimney (negatives also in #456-A)	" 26, "	3
457.	North shore Merrimack River, from top Mass. Hill No.5.	Dec. 25, 1904	3
458.	Hunt's Falls from top of Mass. Hill No. 5. (one duplicate)	" " "	3
459.	Blank		
460.	View at Hunt's Falls		3
461.	" " " "		3
462.	" " " "		3
463.	" " " " (no negative)		3
464.	" " " " Still water Upp.shore (No negative)	Sept.29, 1895	3
465.	Blank		
466.	"		
467.	"		
468.	View at Hunt's Falls	July 8, 1896	3
469.	" " " "	" " "	3
470.	" " " " (water in pool 43.50)	" " "	3
471.	Ledge below the "Pool" Hunt's Falls.	July 11, 1896	3
472.	Ledge lower end of "Pool"	" " "	3
473.	Hunt's Falls from Barton's upper dump (S.side)	" " "	3
474.	Hunt's Falls from Lower end of Wall. S. side of River.	July " "	3
475.	Hunt's Falls, from end of wall S. side.	" " "	3
476.	" " " " " " " "	" " "	3
477.	" " " lower end of wall S.side of River	" " "	3

Index (cont.)

No.	Description	Date	Copy in Bk. No.
478.	Hunt's Falls from Bluff in rear of St. John's Hospital	July 11, 1896	3
479.	Hunt's Falls from Bluff in rear of St. John's Hospital	" " "	3
480.	Hunt's Falls from Bluff at crossing of City water pipes	" " "	3
481.	Hunt's Falls from Barton's upper dump	" " "	3
482.	Hunt's Falls from Barton's upper dump	" " "	3
483.	Hunt's Falls Lower Channel from big Rock.	" 19. "	3
484.	Hunt's Falls Lower Channel	" " "	3
485.	Hunt's Falls Lower Channel	" " "	3
486.	Hunt's Falls Lower Channel	" " "	3
487.	Hunt's Falls from E. Pier of Cent. Br.	" " "	3
488.	Hunt's Falls E. Pier of Cent. Br.	" " "	3
489.	" "	Sept. 6, 1896	3
490.	" "	" " "	3
491.	" "	" " "	3
492.	" "	" " "	3
493.	" "	" " "	3
494.	" "	" " "	3
495.	" " , from Mass. C. Hill	" " "	3
496.	" "	" " "	3
497.	" "	" " "	3
498.	" "	" 18. "	3
499.	" "	" " "	3

Index (cont.)

No.	Description	Date	Copy in Bk. No.
500.	Hunt's Falls	Nov. 21, 1896	3
501.	" "	" " "	3
502.	" "	" " "	3
503.	" "	Dec. 5, "	3
504.	" "	" " "	3
505.	" "	" " "	3
506.	" "	" " "	3
507.	" "	" " "	3
508.	" "	" " "	3
509.	" "	" " "	3
510.	" "	" " "	3
511.	" "	" " "	3
512.	" "	" " "	3
513.	" "	" " "	3
514.	" "	" " "	3
515.	" "	" " "	3
516.	" "	" " "	3
517.	" "	" " "	3
518.	" "	" " "	3
519.	" "	" " "	3
520.	" "	" " "	3
521.	" "	" " "	3
522.	" "	" " "	3
523.	" "	" " "	3
524.	" "	" " "	3
525.	" "	" 19, "	3

Index (cont.)

No.	Description	Date	Copy in Bk. No.
526.	Hunt's Falls	Dec. 19, 1896	3
527.	" "	" " "	3
528.	" "	Jan. 16, 1897	3
529.	" "	" " "	3
530.	" "	" " "	3
531.	" "	" " "	3
532.	" "	" " "	3
533.	" "	" 30, "	3
534.	" "	" " "	3
535.	" "	" " "	3
536.	" "	" " "	3
537.	" "	" " "	3
538.	" "	" " "	3
539.	" "	Feb. 6, 1897	3
540.	" "	" " "	3
541.	" "	" " "	3
542.	" "	Apr. 26, "	3
543.	" "	" " "	3
544.	" "	" " "	3
545.	" "	" " "	3
546.	" "	" " "	3
547.	" "	" " "	3
548.	" "	Sept. 11, "	3
549.	" "	" " "	3
550.	" "	" " "	3
551.	" "	" " "	3

Index (cont.)

No.	Description	Date	Copy in Bk. No.
552.	Hunt's Falls (no negative)	Sept. 11, 1897	3
553.	" "	Oct. 16, "	3
554.	" "	" " "	3
555.	" "	" " "	3
556.	" "	" " "	3
557.	" "	" " "	3
558.	" "	" " "	3
559.	" "	" " "	3
560.	" "	" " "	3
561.	" "	" " "	3
562.	" "	" " "	3
563.	" "	" " "	3
564.	" "	" " "	3
565.	" "	" " "	3
566.	" "	" " "	3
567.	" "	" " "	3
568.	" "	" " "	3
569.	" "	" " "	3
570.	" " (no negative)	" " "	3
571.	" "	" 30, "	3
572.	" "	" " "	3
573.	" "	" " "	3
574.	" "	" " "	3
575.	" "	" " "	3
576.	" "	" " "	3
577.	Blank		
578.	"		

Index (cont.)

No.	Description	Date	Copy in Bk. No.
579.	Blank		
580.	Hunt's Falls (no negative)	Dec. 4, 1897	3
581.	" " " "	" " "	3
582.	" " " "	" " "	3
583.	" " " "	" " "	3
584.	" " " "	" " "	3
585.	Blank		
586.	Hunt's Falls Lower Channel. (no negative)	Sept. 13, 1908	3
587.	" " " " " "	" " "	3
588.	" " just above Lower Channel (no negative)	" " "	3
589.	" " Lower Channel (no negative)	" " "	3
590.	" " just above Lower Channel (no negative)	" " "	3
591.	" " just above Lower Channel (no negative)	" " "	3
592.	" " Lower Channel (no negative)	" " "	3
593.	" " Lower Channel " "	" " "	3
594.	" " just above Lower Channel (no neg- ative)	" " "	3
595.	" " Lower Channel (no negative)	" " "	3
596.	" " " " " "	" " "	3
597.	" " " " " "	" " "	3
598.	" " Lower Channel " "	" " "	3
599.	" " just above Lower Channel (no neg- ative)	" " "	3
600.	" " just above Lower Channel (no neg- ative)	" " "	3
601.	" "	Oct. 22, 1908	3
602.	Mouth Concord River from top Mass. Dye House	" " "	3

Index (cont.)

No.	Description	Date	Copy in Bk. No.
603.	Hunt's Falls from top Mass. Picker	Oct. 22, 1908	3
604.	" "	" " "	3
605.	" "	" " "	3
606.	" " (no negative)	" " "	3
607.	" " from Mass. Dye House (no negative)	" " "	3
608.	" " " "	" " "	3
609.	" "	" " "	3
610.	" "	" " "	3
611.	" "	" " "	3
612.	" " from top Mass. Dye House	" 25, "	3
613.	" " from Mass. Picker	" " "	3
614.	" " from top of "Whittier Mill"	" " "	3
615.	" " " " " " " "	" " "	3
616.	" "	" " "	3
617.	" "	" " "	3
618.	" " from Mass. Picker	" " "	3
619.	Blank		
620.	"		
621.	"		
622.	"		
623.	"		
624.	Hunt's Falls from Mass. Dye House	Dec. 6, 1908	3
625.	" "	" " "	3
626.	" " " " " "	" " "	3
626A	" " from dump on bank abt. 300 ft. west of Alder St.	Oct. 30, 1910	3
627.	Ledge in Merrimack River near mouth of Concord River.	Dec. 5, 1909	3

Index (Cont.)

No.	Description	Date	Copy in Bk. No.
627A	Hunt's Falls from point opposite Alder St.	Oct. 30, 1910	3
628.	" " " top of Mass. Picker	Dec. 5, 1909	3
628A	" " " point about 300 feet west of Alder St.	Oct. 30, 1910	3
629.	" " " looking up Concord River from point at junction of Concord & Merr'k. Rivers	Dec. 5, 1909	3
629A	" " " bank opposite Alder St.	Oct. 30, 1910	3
630.	" " " Mass. Picker	Dec. 5, 1909	3
630A	" " " point opposite Alder St.	Oct. 30, 1910	3
631.	" " " top of Whittier Mill	Dec. 5, 1909	3
631A	" " " point about 300 ft. west of Alder St.	Oct. 30, 1910	3
632.	" " " Whittier Mill	Dec. 5, 1909	3
632A	" " " dump opp. Stackpole St.	Oct. 30, 1910	3
633.	" " "	Mar. 11, 1911	3
634.	" " "	" " "	3
635.	" " "	" " "	3
636.	" " "	" " "	3
637.	" " "	" " "	3
638.	" " "	" " "	3
639.	" " "	" " "	3
640.	" " "	" " "	3
641.	Blank		
642.	"		
643.	"		
644.	"		
645.	"		
646.	"		

Index (cont.)

No.	Description	Date	Copy in Bk. No.
647.	Blank		
648.	"		
649.	"		
650.	"		
651.	"		
652.	"		
653.	"		
654.	"		
655.	"		
656.	"		
657.	"		
658. to 675 incl. blank.			
676.	Nelson Morris Foundation	Mar. 31, 1899	4
677.	" " 2 "	" " "	4
678.	" " "	" " "	4
679.	" " "	" " "	4
680.	" " "	" " "	4
681.	Blank		
682.	"		
683.	Appleton No. 5 Expt. No. 129	Aug. 14, 1899	4
684.	" " " " " "	" " "	4
685.	" " " " " "	" " "	4
686.	" " " " " "	" " "	4
687.	" " " " " 130	" " "	4
688.	" " " " " "	" " "	4
689.	" " " " " 131	" 15, "	4
690.	" " " " " "	" " "	4

Index (cont.)

No.	Description	Date	Copy in Bk. No.
691.	Appleton No. 5 Expt. No. 132	Aug. 15, 1899	4
692.	" " 5 " " "	" " "	4
693.	" " " " " 133	" 16, "	4
694.	" " " " " "	" " "	4
695.	" " " " " "	" " "	4
696.	" " " " " 134	" 17, "	4
697.	" " " " " "	" " "	4
698.	" " " " " 135	" 18, "	4
699.	" " " " " "	" " "	4
700.	" " " " " 136	" " "	4
701.	" " " " " "	" " "	4
702.	" " " " " "	" " "	4
703.	" " " " " 137	" 19, "	4
704.	" " " " " "	" " "	4
705.	" " " " " "	" " "	4
706.	Blank		
707.	Appleton No. 5, Expt. No. 138	" 21, "	4
708.	" " " " " "	" " "	4
709.	" " " " " 139	" " "	4
710.	" " " " " "	" " "	4
711.	" " " " " 140	" 22, "	4
712.	" " " " " "	" " "	4
713.	" " " " " 141	" " "	4
714.	" " " " " "	" " "	4
715.	" " " " " 142	" " "	4
716.	" " " " " "	" " "	4

Index (cont.)

No.	Description	Date	Copy in Bk. No.
717.	Appleton No. 5. Expt. No. 143	Aug. 22, 1899	4
718.	" " " " " "	" " "	4
719.	" " " " " 145	" 25, "	4
720.	" " " " " 146	" " "	4
721.	" " " " " "	" 26, "	4
722.	" " " " " "	" " "	4
723.	" " " " " 147	" " "	4
724.	" " " " " "	" " "	4
725.	" " " " " 148	" " "	4
726.	" " " " " "	" " "	4
727.	" " " " " 149	" " "	4
728.	" " " " " "	" " "	4
729.	" " " " " 150	" " "	4
730.	" " " " " "	" " "	4
731.	" " " " " 151	" " "	4
732.	" " " " " "	" " "	4
733.	" " " " " 152	" " "	4
734.	" " " " " "	" " "	4
735.	" " " " " 153	" " "	4
736.	" " " " " "	" " "	4
737.	" " " " " 154	" " "	4
738.	" " " " " "	" " "	4
739.	" " " " " 155	" " "	4
740.	" " " " " "	" " "	4
741.	" " " " " 156	" " "	4
742.	" " " " " "	" " "	4

Index (cont.)

No.	Description	Date	Copy in Bk. No.
743.	Lawrence Section - 54" Hercules	Oct. 1896	4
744.	Appleton No. 5. Expt. No. 157	Aug. 28, 1899	4
745.	" " " " " "	" " "	4
746.	" " " " " 158	" 29, "	4
747.	" " " " " "	" " "	4
748.	" " " " " 159	" 30, "	4
749.	" " " " " "	" " "	4
750.	" " " " " 160	" " "	4
751.	" " " " " "	" " "	4
752.	" " " " " 161	Sept. 1, "	4
753.	" " " " " "	" " "	4
754.	Blank		
755.	Appleton No. 5. Expt. No. 172	" 5, "	4
756.	" " " " " "	" " "	4
757.	" " " " " 173	" 7, "	4
758.	" " " " " "	" " "	4
759.	" " " " " 174	" 9, "	4
760.	" " " " " "	" " "	4
761.	" " " " " 175	" 11, "	4
762.	" " " " " "	" " "	4
763.	" " " " " 176	" 14, "	4
764.	" " " " " "	" " "	4
765.	Blank		
766.	"		
767.	"		
768.	"		
769.	Lowell Mch. Shop No. 6, Expt. No. 5	May 6, 1899	4

Index (cont.)

No.	Description	Date	Copy in Bk. No.
770.	Lowell Machine Shop No. 6, Expt. No. 5	May 6, 1899	4
771.	" " " " " " " 6	" " "	4
772.	" " " " " " " 7	" " "	4
773.	" " " " " " " 8	" " "	4
774.	" " " " " " " 9	" " "	4
775.	" " " " " " " 10	" " "	4
776. Blank.			
777.	Lowell Machine Shop No. 6, Expt. No. 73	June 24, 1899	4
778.	" " " " " " " 74	" " "	4
779.	" " " " " " " 75	" " "	4
780.	" " " " " " " 76	" " "	4
781.	" " " " " " " 77	" " "	4
782.	" " " " " " " 78	" " "	4
783. Blank			
784.	Lowell Machine Shop No. 6, Expt. No. 90	July 1, 1899	4
785.	" " " " " " " 91	" " "	4
786.	" " " " " " " 92	" " "	4
787.	" " " " " " " 93	" " "	4
788.	" " " " " " " 94	" " "	4
789.	" " " " " " " 95	" " "	4
790.	" " " " " " " 96	" " "	4
791.	" " " " " " " 97	" " "	4
792.	" " " " " " " 98	" " "	4

(Negative with #798)

No.	Description	Date	Copy in Bk. No.
793.	Lowell Machine Shop No. 6, Expt. No. 99	July 1, 1899	4
794.	" " " " " " " 100	" " "	4
795.	" " " " " " " 101	" " "	4
796.	" " " " " " " 102	" " "	4
797.	" " " " " " " 103	" " "	4
798.	SAME AS #792 (negative with #798)	" " "	4
799.	Tremont & Suffolk Cotton Store No. Burned June 8, P. M. 1899	1899	4
800.	Tremont & Suffolk Cotton Store No. From Coolidge & Perkins Sts.	June 9, 1899	4
801.	Tremont & Suffolk Cotton Store No. Burned June 8, 1899, from Perkins St.	" 8, "	4
802.	Tremont & Suffolk Cotton Store No. From Perkins & Cabot Sts.	" 9, "	4
803.	Blank		
804.	Pawtucket Dam, from fishway looking south- erly. Several places under wall repaired Aug. 1899	Aug. 23, 1899	4
805.	Pawtucket Dam, 80 ⁺ ft. southerly from fishway, repaired Aug. 1899	" " "	4
806.	Pawtucket Dam, from 100 [±] ft. from fishway looking toward fishway, several places under wall repaired Aug. 1899	" " "	4
807.	Pawtucket Dam, 110 [±] ft. southerly from fishway, repaired Aug. 1899	" " "	4
808.	Pawtucket Dam, 110 ⁺ ft. southerly from fishway, repaired Aug. 1899	" " "	4
809.	Blank		
810.	Gage on abutment of R. R. Bridge at Bow Junction, Aug. 24, 1899	" 24, "	4
811.	B. & M. Gr. 239065 on edge of wall out on cor. of stone - Bow Junction	" " "	4
812.	View of low water gage above R.R. bridge at Bow Junction. R. E. side looking downstream	" " "	4
813.	View shows location of low water gage at Bow Junc., looking upstream.	" " "	4

Index (cont.)

No.	Description	Date	Copy in Bk. No.
814.	Low water gage at Bow Junction, from right bank of river.	Aug. 24, 1899	4
815.	Blank		
816.	Gates on wall, 2nd gate from Moody St.	" 26, "	4
817.	" " " 3d " " " "	" " "	4
818.	" " " 1st " " " "	" " "	4
819.	" " " " " " " "	" 27, "	4
820.	Blank		
821.	Flume in Northern Canal, looking up-stream	Sept. 17, 1899	4
822.	Flume in Northern Canal, " up-stream	" " "	4
823.	Flume in Northern Canal, " up-stream	" " "	4
824.	Flume in Northern Canal, " down-stream	" " "	4
825.	Flume in Northern Canal, " down-stream	" " "	4
826.	Flume in Northern Canal, " down-stream	" " "	4
827.	Blank		
828.	72" Swain Wheel placed in No. 7 wheel-pit at Mass. Cotton Mills. Guides not renewed.	Sept. 1899	4
829.	72" Swain wheel, placed in No. 7 wheel-pit at Mass. Cotton Mills. Guides not renewed	" "	4
830.	72" Swain wheel, placed in No. 7 wheel-pit at Mass. Cotton Mills. Guides not renewed.	" "	4
831.	Blank		
832.	Fishway at Pawtucket Dam, shows repairs of 1899.	Sept. 29, 1899	4

Index (cont.)

No.	Description	Date	Copy in Bk. No.
833.	Fishway of Pawtucket Dam, shows repairs of 1899	Sept. 29, 1899	4
834.	Fishway at Pawtucket Dam, shows repairs of 1899	" " "	4
835.	Blank		
836.	Improvements of Middlesex Co.'s 1 & 2 Penstock (Note on negative "negative is A. P. Safford's" not in envelope #836)	" 4, "	4
837.	Improvements of Middlesex Co.'s 1 & 2 Penstock (Same note as in #836)	" " "	4
838.	Excavation at Downstream end of new rack at Middlesex Co.'s No. 1 & 2 Penstock (same note as in #836)	" " "	4
839.	Middlesex Co.'s No. 1 & 2 Penstock, view of top with earth removed. (same note as in #836)	" " "	4
840.	Middlesex Co.'s No. 1 & 2 Penstock, top raised & posts taken out.	" " "	4
841.	View of upper end of Middlesex Co.'s No. 1 & 2 Penstock during improvements of 1899 (same note as in #836)	Oct. 1, 1899	4
842.	New rack & upper end of Middlesex Co.'s No. 1 & 2 Penstock during improvements of 1899 (same note as in #836)	" " "	4
843.	New rack and upper end of Middlesex Co.'s No. 1 & 2 Penstock as improved in 1899 (same note as in #836)	" " "	4
844.	Blank		
845.	"		
846.	"		
847.	Low water gage at Plymouth, N.H. shows condition previous to resetting of Oct. 19, 1899 (no negative)	" 19, "	4
848.	Gages showing height of Pemigewasset River at Plymouth, N. H.	" 18, "	4
849.	L. & C. gages at Plymouth, N. H.	" " "	4

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No.	Description	Date	Copy in Bk. No.
850.	Low water gage at Plymouth, N. H. set correct	Oct. 19, 1899	4
851.	Plymouth, N. H. (shows gage)	" 27, "	4
852.	Low water gage Plymouth, N. H. after repairs of	Oct. 1899	4
853.	Penigewasset River, Plymouth, N. H., looking downstream from Holderness Bridge	Oct. 21, 1899	4
854.	Penigewasset River, Plymouth, N. H., looking upstream about 200 ft. below Holderness Bridge	" " "	4
855.	Junc. Badger's & Penigewasset, Plymouth, N. H. (no negative)	" 1899	4
856.	Livermore Falls, N. H. (no negative)	" "	4
857.	" " " "	" "	4
858.	Blank		
859.	Brown's Mill, Bow, N. H.	" "	4
860.	" " " " "	" 28, 1899	4
861.	" " from dam, looking downstream, Bow, N. H.	" " "	4
862.	Bow, N. H. Old Dam, looking upstream	" " "	4
863.	Brown's Saw Mill, Bow, N. H.	Oct. 1899	4
864.	Grinding Room, Brown's Mill.	Oct. 28, 1899	4
865.	" " " "	" " "	4
866.	Under the Grist Mill, Brown's Mill, Bow, N. H.	" " "	4
867.	Brown's Mill, Breast wheel in Grist Mill, Bow, N. H.	Oct. 1899	4
868.	Old Tub Wheel, casing gone, Brown's Mill Bow, N. H.	" "	4
869.	Brown's Saw Mill, old tub wheel with iron buckets, this was replaced by wheel with wooden paddles, Bow, N. H.	" "	4
870.	Old tub wheel and pair of Rose Wheels, Brown's Sawmill, Bow, N. H.	" "	4
871.	Brown's Mill, Bow, N. H., Reaction wheel.	" "	4

Index (continued)

No.	Description	Date	Copy in Bk. No.
872.	Brown's Mill, Bow, N. H. Reaction wheel. A pair of these wheels were replaced by Rose wheels.	Oct. 1899	4
873.	Pair of Rose Wheels, Brown's Sawmill, Bow, N. H.	" "	4
874.	Wheel-pit Brown's Mill, Bow, N. H.	" "	4
875.	Blank		
876.	Guides of 108"5/8 Boyden wheel, Mass. Co.'s new No. 1.	Nov. 1899	4
877.	Guides and Runner 108"5/8 Boyden, Mass. Co.'s New No. 1	" "	4
878.	Blank		
879.	From Boott No. 3, 4 & 5 races	Nov. 25, 1899	4
880.	Boott #3, 4 & 5 Races	" " "	4
881.	" #1 & 2 Races	" " "	4
882.	From Boott No. 2 Race	" " "	4
883.	Boott No. 6, & 7 & 8 Races	" " "	4
884.	From Boott No. 9 Race	" 18, "	4
885.	From Merrimack Co.'s No. 5 & 6 Race, shows also channel from Boott No. 9	" " "	4
886.	Merrimack Company's No. 7 Race	" " "	4
887.	From Merrimack Co.'s No. 8 Race	" " "	4
888.	Merrimack Co.'s No. 9 Race	" " "	4
889.	" " No. 3 & 4 Races	" " "	4
890.	From upper outlet of Merrimack Co.'s No. 10 & 11 Races	" " "	4
891.	From Merrimack R.W. Weir	" " "	4
892.	Merrimack R. W. Weir	" " "	4
893.	Outlets of Law. Sec. of T. & S. wheels	" " "	4
894.	Lawrence Co.'s Nos. 1, 2 & 3 Races	" " "	4

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No.	Description	Date	Copy in Bk. No.
895.	Lawrence Co.'s No. 4, 5 & 6 Races	Nov. 18, 1899	4
896.	" " " " " "	" " "	4
897.	Blank		
898.	24" gate at Reservoir	May 19, 1904	4
899.	Trench for 24" pipe at Reservoir	" 26, "	4
900.	Laying 24" pipe at Reservoir	" 27, "	4
901.	" " " " "	" " "	4
902.	Trench for 24" pipe at Reservoir	" 26, "	4
903.	24" pipe trench at Reservoir	" " "	4
904.	Blank		
905.	Waste gates Northern Canal (no negative)	Sept. 8, 1896	5
906.	Work on wall of Rawsucket Canal near Doherty's Foundry	May 10, 1903	5
907.	Same as #906 - different view	" " "	5
908.	" " " " "	" " "	5
909.	Rawsucket Canal, above Thorndike St.	June 11, 1899	5
910.	" " " " "	" " "	5
911.	Flush Mill Wall	Oct. 15, 1899	5
912.	" " "	" " "	5
913.	" " "	Nov. 26, 1900	5
914.	Flush Co. Wall	" " 1899	5
915.	Wall back of Doherty's Foundry, right bank Raw. Canal	Sept. 4, 1899	5
916.	Wall back of Doherty's Foundry, Raw. Canal	" " "	5
917.	R. H. wall Raw. Canal, opp. Doherty Bros. Foundry	Oct. 8, 1899	5
918.	R. H. wall Raw. Canal, opp. Doherty Bros. Foundry	" " "	5
919.	R. H. Wall Raw. Canal, opp. Doherty Bros. Foundry	" 15, 1899	5

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No.	Description	Date	Copy in Bk. No.
920.	Doherty Bros. Wall, R. H. side Paw. Canal	Nov. 26, 1899	5
921.	R. H. Wall Paw. Canal at rear of Doherty Bros. Foundry	" " "	5
922.	Below Doherty Wall	" " "	5
923.	End of Wall S. side Hunt's Falls built 1899	1899	5
924.	Left wall of Pawtucket Canal below School St.	Feb. 25, 1900	5
925.	" " " " " " " "	" " "	5
926.	" " " " " " " "	" " "	5
927.	Pawtucket Dam	Mar. 12, 1900	5
928.	Boon at head Paw. Canal	" " "	5
929.	Pawtucket Dam	Feb. 26, 1900	5
930.	" "	" " "	5
931.	" "	" " "	5
932.	39" Rodney Hunt Wheel, Broken 1899. Rumford Falls. (note on envelope "Neg- ative is A. T. Safford's" not in #932)	1899	5
933.	39" Rodney Hunt Wheel, Broken 1899 (same note as in #932)	1899	5
934.	N. Shore Tyng's Island from 760 ft. [±] above bridge looking upstream	May 22, 1900	5
935.	From N. Shore Tyng's Island, 450 ft. [±] above bridge looking downstream	" " "	5
936.	N. shore Tyng's Island looking upstream from 90± ft. above bridge	" " "	5
937.	From N. shore Tyng's Island 360± ft. below bridge looking N.	" " "	5
938.	North shore Tyng's Island from 1500 ft. [±] be- low bridge looking upstream	" " "	5
939.	Blank		
940.	N. Shore Tyng's Island from 700 ft. [±] above bridge looking upstream	" 29, "	5
941.	From N. shore Tyng's Island 450 ft. [±] above bridge looking downstream	" " "	5
942.	N. shore Tyng's Is. looking upstream 90 ft. above bridge	" " "	5

Index (cont.)

No.	Description	Date	Copy in Bk. No.
943.	From N. shore Tyng's Island 360 [±] ft. below bridge looking N.	May 29, 1900	5
944.	N. Shore Tyng's Island from 1500 ft. [±] below bridge, looking upstream	" " "	5
945.	Blank		
946.	"		
947.	Mass. #1 & 2 Races	Aug. 26, 1900	5
948.	L. H. outlet of Mass. No. 1 & 2 Races	" " "	5
949.	Middle " " " " " " " "	" " "	5
950.	R. H. " " " " " " " "	" " "	5
951.	Mass. No. 7 Race	" " "	5
952.	" " " "	" " "	5
953.	Boott No. 1 Race	" " "	5
954.	" " 2 "	" " "	5
955.	L. H. outlet Boott 3, 4 & 5 Races	" " "	5
956.	R. H. " " " " " " "	" " "	5
957.	L. H. " " 6, 7 & 8 "	" " "	5
958.	R. H. " " " " " " "	" " "	5
959.	Boott No. 9 Race	" " "	5
960.	Merrimack No. 5 & 6 Race	" " "	5
961.	" " 7 "	" " "	5
962.	" " 8 "	" " "	5
963.	" " 9 "	" " "	5
964.	" " 10 "	" " "	5
965.	" " 11 "	" " "	5
966.	Law. Sec. T. & S. Races	" " "	5
967.	Lawrence Section T. & S. Outlet of No. 4 wheel	" " "	5

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No.	Description	Date	Copy in Bk. No.
968.	Lawrence Wasteway from river looking upstream	Oct. 13, 1900	5
969.	Lawrence Wasteway from lower end looking "	" " "	5
970.	" " " " " "	" " "	5
971.	" " " " " " down- stream	" " "	5
972.	R. H. outlet of Lawrence No. 1, 2 & 3 Races (no negative)	Aug. 26, 1900	5
973.	L. H. outlet of Lawrence No. 1, 2 & 3 "	" 25, "	5
974.	R. H. outlet " " " 4, 5 & 6 "	" 26, "	5
975.	L. H. " " " " " " " "	" " "	5
976.	Improvements at Old Guard Locks,	Summer 1900	5
977.	" " " " " "	" "	5
978.	" " " " " "	" "	5
979.	" " " " " "	" "	5
980.	Appleton No. 1 wheel, 11 ft. Boyden, taken out Oct. 1900	Oct. 1900	5
980A	Appleton No. 1 wheel, 11 ft. Boyden taken out Oct. 1900	" "	5
981.	Appleton No. 1 wheel, 11 ft. Boyden, taken out Oct. 1900	" "	5
982.	Appleton No. 1 Pair wheels 54" McCormick, looking downstream - New Jan. 1901	Jan. 1901	5
983.	54" McCormick, Appleton #1 & 1A, new in 1901 (no negative)	1901	5
984.	Appleton No. 1 Pair wheels 54" McCormick New 1901	1901	5
985.	Appleton Co.'s No. 1 Pr. 54" McCormick, put in, in 1901 to replace old No. 1 a 132" Boyden	1901	5
986.	Appleton No. 1 wheel 54" L. H. McCormick, New Jan. 1901	1901	5
987.	Appleton No. 1 wheels, 54" McCormick, new	Jan. 1901	5
988.	Appleton No. 1 wheels, 54" McCormick, " " "	" " "	5

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No.	Description	Date	Copy in Bk. No.
989.	Appleton No. 1 wheels, 54" McCormick, New Jan.	1901	5
990.	Wicasse Dam	"	5
991.	Clearing out of channel of Merrimack River, at Wicasse Dam (no negative)	Feb. 19, 1901	5
992.	Clearing out of channel of Merrimack River, at Wicasse Dam	" " "	5
993.	Clearing out of channel of Merrimack River at Wicasse Dam	" " "	5
994.	Clearing out of channel of Merrimack River at Wicasse Dam	" " "	5
995.	Clearing out of channel of Merrimack River at Wicasse Dam	" " "	5
996.	Pickering's Mill from Middlesex St.	Apr. 9, 1901	5
997.	" " " " "	" " "	5
998.	Mouth Black Brook from Middlesex St.	" " "	5
999.	Richardson's property from Middlesex St.	" " "	5
1000.	W. E. Livingston's property on Black Brook, from Middlesex St.	" " "	5
1001.	Percy Parker Estate from Middlesex St.	" " "	5
1002.	Rawtucket St. between Rolph & Broadway, look- ing upstream	" " "	5
1003.	Rawtucket Dam	" " "	5
1004.	Upstream side Rawtucket Bridge from L. & C. Gate-ho.	" " "	5
1005.	Merrimack River from Moody St., looking up- stream	" " "	5
1006.	Merrimack River from N. end of Central Bridge looking downstream	" " "	5
1007.	Merrimack River from S. end Central Bridge looking downstream	" " "	5
1008.	Comord River from E. Merrimack St., looking downstream	" " "	5

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No.	Description	Date	Copy in Bk. No.
1009	Concord River from Lower Lock, looking downstream	Apr. 9, 1901	5
1010	Middlesex Co.'s Concord river Dam	" " "	5
1011	Fishway of Pawtucket Dam	June 25, 1901	5
1012	" " " "	" " "	5
1013	" " " "	" " "	5
1014	Pawtucket Dam from the Fishway	" " "	5
1015	Blank		
1016	Gage on Merrimack River opp. Middlesex Station	July 10, 1901	5
1017	Gage on Merrimack River at mouth Stony Brook	" " "	5
1018	Gage on Merrimack River above Old Toll Road	" " "	5
1019	" " " " below Wicasssee Dam	" " "	5
1020	" " " " opp. Head of Tyng's Is.	" " "	5
1021	" " " " opp. John Perham's	" " "	5
1022	Gages on Merrimack River, opp. Perham's Tavern, Tyngsboro, Mass.	" " "	5
1023	Gage on Merrimack River at mouth of Bridge Meadow Brook	" " "	5
1024	Mouth of 3 ft. round sewer R. H. side Paw. Canal 100 ft. ⁺ below Red Bridge (storm overflow)	July 14, 1901	5
1025	Mouth of 3 ft. storm overflow. Sewer 100 ft. ⁺ below Red Bridge on R. H. side Paw. Can- al.	" " "	5
1026	Pawtucket Dam (2 views)	Dec. 18, 1901	5
1027	" "	" " "	5
1028	Northern Canal below Pawtucket Dam	" " "	5
1029	Old Guard Locks	" 15, "	5
1030	" " "	" " "	5
1031	Pawtucket Dam	" 24, "	5

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No.	Description	Date	Copy in Bk. No.
1032	Pawtucket Dam (no negative)*	Dec. 24, 1901	5
1033	" "	Mar. 1, 1902	5
1034	Stone Post near Vesper Boat House Bent over, (no negative)*	" " "	5
1035	Middlesex Co.'s Dam	" 4, "	5
1036	View of Pawtucket Canal under Central St., Lowell. (no negative)	Oct. 25, 1902	5
1037	Lower Pawtucket Canal	Mar. 23, 1902	5
1038	" " "	" " "	5
1039	" " "	" " "	5
1040	" " "	" " "	5
1041	" " "	" " "	5
1042	" " "	" " "	5
1043	" " "	" " "	5
1044	" " "	" " "	5
1045	" " "	" " "	5
1046	" " "	" " "	5
1047	Old Guard Locks - outlet from gates	Nov. 2, 1902	5
1048	" " " " " "	" " "	5
1049	" " " " " "	" " "	5
1050	Gov. Allen Boat	July 10, 1903	5
1051	" " "	" " "	5
1052	Merrimack River looking downstream, Tyngsboro Bridge	" " "	5
1053	Merrimack River, looking downstream, Tyngsboro Bridge	" " "	5
1054	Same as #1052 - different view	" " "	5
1055	Merrimack River, looking upstream, Tyngsboro Bridge	" " "	5
1056	Under side of Vesper Country Club, sus- pension bridge, looking East	" " "	5

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No.	Description	Date	Copy in Bk. No.
1057.	Fire at Merrimack Mfg. Co., inside of Picker Building Law. Sect. of T. & S. Mills, end next to fire	July 18, 1903	5
1058.	Fire at Merrimack Mfg. Co., No. 1 Mill Law. Sect. T. & S. Mills, end next to fire, windows burned out	" " "	5
1059.	Fire at Merrimack Mfg. Co., Coal shed looking southwest	" " "	5
1060.	Fire at Merrimack Mfg. Co., Picker No.1 Mill of Law. Sect. of T. & S. Mills, ad- jacent to fire	" " "	5
1061.	Fire at Merrimack Mfg. Co., S.W.view top of No. 1 Mill Law. Sect. T. & S. Mills.	" " "	5
1062.	Fire at Merrimack Mfg. Co., Coal shed looking S. W.	" " "	5
1063.	Fire at Merrimack Mfg. Co., inside of Picker Building Card Room, Law. Sect. T. & S. Mills, end next to fire	" " "	5
1064.	Fire at Merrimack Mfg. Co., inside of spinning room, No. 1 Mill of Law. Sect. T. & S. Mills, end next to fire	" " "	5
1065.	Fire at Merrimack Mfg. Co., inside of card room No. 1 Mill of Law. Sect. T. & S. Mills, end next to fire, windows burned out.	" " "	5
1066.	Fire at Merrimack Mfg. Co., inside of weave room - No. 1 Mill of Law. Sect. T. & S. Mills, end next to fire	" " "	5
1067.	Fire at Merrimack Mfg. Co., inside of upper Mill Room, Mill No. 1 Law. Sect. T. & S. Mills, end next to fire	" " "	5
1068.	Fire at Merrimack M. Co. Lowell. North east end of Coal Shed & Boiler Ho.	" " "	5
1069.	Doherty Wall looking downstream	Aug. 16, 1903	5
1070.	" " upper end view looking downstream, section where ledge is, grade 73.00	" " "	5
1071.	Doherty Wall lower end view, looking upstream	" " "	5

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No.	Description	Date	Copy in Bk. No.
1072.	Gate at Swamp Locks		5
1073.	Screen for intake	Sept. 27, 1903	5
1074.	Back of Mass. Cotton Mills	" " "	5
1075.	Views of Creek at Tyng's Is., from the bridge looking up the creek	Oct. 1, 1903	5
1076.	Views of Creek at Tyngs Is. from under the bridge looking up the creek	" " "	5
1077.	Views of Creek at Tyngs Is. from under the bridge looking down the creek	" " "	5
1078.	Views of Creek at Tyngs Is. from back of the Club buildings, looking up stream	" " "	5
1079.	Test of Mass. New Pump, Suction from River	Jan. 16, 1904	5
1080.	" " " " " " " " Canal	" " "	5
1081.	Field at Old Guard Locks, showing shed or barn which fell under weight of snow		5
1082.	Same as #1081 - different view		5
1083.	" " " " " "		5
1084.	" " " " " "		5
1085.	Explosion at Lowell of U.S. Cartridge, corner of River & Acton Sts.	July 29, 1903	5
1086.	Same as #1085 - different view	" " "	5
1087.	Explosion of U. S. Cartridge Co.'s mag- azine at Lowell, site of magazine & be- yond piles of wrecked houses	" " "	5
1088.	Explosion of U. S. Cartridge Co.'s Magazines at Lowell	" " "	5
1089.	Explosion of U. S. Cartridge Co.'s " " View on Acton Street	" " "	5
1090.	Explosion at Lowell of U. S. Cartridge Co.'s magazines - site of nitro-powder House	" " "	5
1091.	Explosion of U. S. Cartridge Co.'s magazine view easterly on River St., near foot of Acton	" " "	5

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No.	Description	Date	Copy in Bk. No.
1092.	Explosion at Lowell of Cartridge Co.'s magazines Acton St. 1/8 mile away	July 29, 1903	5
1093.	Explosion of U. S. Cartridge Co.'s magazines view from site of nitro-powder house	" " "	5
1094.	Explosion at Lowell of U. S. Cartridge Co.'s magazines	" " "	5
1095.	Explosion of U. S. Cartridge Co.'s magazines at Lowell, Wm. Rigg's house 500 ft. from ex- plosion	" " "	5
1096.	Explosion of U. S. Cartridge Co.'s magazines at Lowell	" " "	5
1097.	Explosion of U. S. Cartridge Co.'s magazines view from site of nitro-powder house	" " "	5
1098.	Explosion of U. S. Cartridge Co.'s magazines, view on River Street	" " "	5
1099.	Explosion of U. S. Cartridge Co.'s magazines, houses on Boyden St. 1/8 mile from explosion	" " "	5
1100.	Explosion of U. S. Cartridge Co.'s magazines, view from site of nitro-powder house	" " "	5
1101.	Explosion of U. S. Cartridge Co.'s magazines, near corner of River St.	" " "	5
1102.	Explosion of U. S. Cartridge Co.'s magazines, view on Acton St.	" " "	5
1103.	Explosion of U. S. Cartridge Co.'s magazines, Burgess' house - more than 1/8 mile from powder house	" " "	5
1104.	Merrimack River	Apr. 8, 1901	5
1105.	Fawtucket Dam	" " "	5
1106.	North wall Paw. Canal, below Central St.	1901	5
1107.	" " rear Central St.	"	5
1108.	R. R. track near Merrimack Mill No. 3	Feb. 10, 1904	5
1109.	Track near Merrimack Mill No. 3	" " "	5
1110.	Merrimack St. Depot, Lowell, Mass.	Feb. 1904	5
1111.	Same as #1110 - different view	" "	5

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No.	Description	Date	Copy in Bk. No.
1112.	Merrimack St. Depot, Lowell, Mass.	Feb. 1904	5
1113.	Goffer Dam at Reservoir	May 26, 1904	5
1114.	" " " "	" " "	5
1115.	L. & C. Reservoir - 24" pipe	June 3, 1904	5
1116.	" " " "	" " "	5
1117.	Friction test of 12" pipe - 1849	May 20, 1904	5
1118.	" " " " " "	" " "	5
1119.	" " " " " "	" " "	5
1120.	" " " " " "	" 21, "	5
1121.	" " " " " "	" 19, "	5
1122.	Two horse team drawing piece of 24" (?) pipe		5
1123.	U. A. Boyden's first turbine built 1844 for the Appleton Co.		5
1124.	106" Boyden wheel taken out July 1904, Mass. Cotton Mills No. 2	1904	5
1125.	106" Boyden wheel taken out July 1904, Mass. Cotton Mills No. 2	"	5
1126.	Friction test new 24" Main	Aug. 5, 1904	5
1127.	" " " 24" "	" " "	5
1128.	" " " " "	" " "	5
1129.	COR. E. Merrimack & High Sts.	Sept. 15, 1904	5
1130.	E. Merrimack St.	" " "	5
1131.	" " "	" " "	5
1132.	Merrimack St. Depot	Nov. 1904	6
1133.	" " "	" 7, "	6
1134.	" " "	" " "	6
1135.	" " "	" " "	6
1136.	Merrimack River from top of Mass. Mill No. 5	Dec. 25, 1904	6

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No.	Description	Date	Copy in Bk. No.
1137.	12" Pipe to reservoir laid about 1849, taken up 1904	1904	6
1138.	12" pipe to reservoir laid about 1849, taken up 1904	"	6
1139.	12" pipe to reservoir laid about 1849, taken up 1904	"	6
1140.	12" pipe to reservoir laid about 1849, taken up 1904	"	6
1141.	12" pipe to reservoir laid about 1849, taken up 1904	"	6
1142.	Same as #264		6
1143.	Center case quarter turn. (no negative)		6
1144.	Same as #433		
1145.	Picture of rumer & buckets of water wheel (no negative)		6
1146.	Appleton No. 1 wheel, 11 ft. Boyden, taken out Oct. 1900	1900	6
1147.	Same as #265.		6
1148.	" " #265.		6
1149.	Picture showing buckets of water wheel (no negative)		6
1150.	Same as #232		6
1151.	51" L. H. Smith Special - Hamilton M. Co.	Oct. 12, 1905	6
1152.	" " " " " " " " " " " "	" " "	6
1153.	" " " " " " " " " " " "	" " "	6
1154.	Merrimack River	Nov. 3, 1905	6
1155.	" "	" 7, "	6
1156.	" "	" " "	6
1157.	" "	" " "	6
1158.	51" L. H. Smith Special, Hamilton M. Co. No. 7	" 13, "	6
1159.	Lower Locks	Oct. 1, 1905	6

Index (cont.)

No.	Description	Date	Copy in Bk. No.
1160.	Lower Locks	Oct. 1, 1905	6
1161.	" "	" " "	6
1162.	" "	" " "	6
1163.	" "	" " "	6
1164.	" "	" " "	6
1165.	Appleton Co. Pr. 48" McCormick wheels	Dec. 6, 1905	6
1166.	" "	" " "	6
1167.	" "	" 7, "	6
1168.	" "	" " "	6
1169.	Boott Mills No. 6 72" Swain, put in July 1860	Jan. 26, 1906	6
1170.	View of Westerly gauge, easterly gauge also Mass. Mills	Apr. 17, 1906	6
1171.	View of Easterly Gauge Mass. Mills	" " "	6
1172.	Blank		
1173.	New wall downstream from School St.	Aug. 3, 1907	6
1174.	" " " " " "	" " "	6
1175.	" " " " " "	" " "	6
1176.	" " " " " "	" " "	6
1177.	" " " " " "	" " "	6
1178.	Raw. CANAL Wall below School St.	Sept. 22, 1907	6
1179.	" " " " " "	" " "	6
1180.	" " " " " "	" " "	6
1181.	New wall below School St.	Dec. 1, 1907	6
1182.	" " " " " "	" " "	6
1183.	" " " " " "	" " "	6
1184.	" " " " " "	" " "	6
1185.	" " " " " "	" " "	6

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No.	Description	Date	Copy in Bk. No.
1186.	New wall below School St.	Dec. 1, 1907	6
1187.	Interior of Lowell Water Works Gate House at Reservoir on Beacon St.	1907	6
1188.	L. W. W. Reservoir - Beacon St.	Nov. 1907	6
1189.	Raw. Dam	Nov. 18, 1907	6
1190.	North end of Rawtucket Dam	" " "	6
1191.	" " " " "	" " "	6
1192.	Steel girders placed under tracks on Central St. Bridge	Sept., Oct. 1907	6
1193.	Lawrence M. Co. No. 1 wheel pit show- ing work of tearing out for new pen- stock	Sept. 4, 1908	6
1194.	Lawrence M. Co. No. 1 wheel pit, show- ing work of tearing out for new pen- stock	" " "	6
1195.	Guides No. 3 wheel taken out at Law- rence M. Co. 1908	" " "	6
1196.	Old No. 3 turbine taken out at Lawrence M. Co. in 1908	" " "	6
1197.	Old guides and parts of Nos. 1 & 2 Turbines taken out at Lawrence M. Co. in 1908	" " "	6
1198.	New rack at Bigelow Carpet Co.	Feb. 1908	6
1199.	" " at " " "	" " "	6
1200.	Site of Wicassee Falls Dam from Tyngs Is. Shore (no negative)	Sept. 18, 1908	6
1201.	Site of Wicassee Falls Dam Tyngs. Is. End (no negative)	" " "	6
1202.	Site of Wicassee Falls Dam from Tyngsboro Shore	" " "	6
1203.	Site of Wicassee Falls Dam - Tyngs Is. end	" " "	6
1203A	Alden Dynamometer on No. 2 wheel at Boott Mills	Nov. 17, 1908	6
1204.	Guides Lawrence M. Co.'s new No. 2 & 3 turbines - type B 51" Hercules	Nov. 6, 1908	6
1204A	The Alden Dynamometer at No. 2 turbine Boott Cotton Mills	" 17, "	6
1205.	Lawrence M. Co.'s new No. 2 turbine 51 in. type B Hercules	" 6, "	6

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No.	Description	Date	Copy in Bk. No.
1205A	Ledge in excavation at Pilling Shoe Shop	Jan. 6, 1909	6
1206.	Lawrence M. Co.'s New (Hercules) No. 3 Turbine - Type B 51"	Nov. 6, 1908	6
1206A	Ledge in the Excavation at Pilling Shoe Shop	Jan. 6, 1909	6
1207.	Merrimack River (no negative)	" 27, "	6
1208.	" " up by Vesper Country Club (no negative)	" " "	6
1209.	" " " " " " " "	" " "	6
1210.	" " " " " " " "	" " "	6
1211.	" " " " " " " "	" " "	6
1212.	" " " " " " " "	" " "	6
1213.	Rat Island	Mar. 26, 1909	6
1214.	Merrimack Canal Wall along Anne St.	Apr. 11, 1909	6
1215.	" " " " " " " "	" " "	6
1216.	" " " " " " " "	" " "	6
1217.	" " " " " " " "	" " "	6
1218.	" " " " " " " "	" " "	6
1219.	" " " " " " " "	" 25, "	6
1220.	" " " " " " " "	" " "	6
1221.	" " " " " " " "	" " "	6
1222.	" " " " " " " "	" " "	6
1223.	Rawtucket Dam.	May 15, 1909	6
1224.	" "	" 11, "	6
1225.	" "	" 15, "	6
1226.	Test of outside sprinklers by Factory Mutual at Bigelow Carpet Co.	July 2, 1909	6
1227.	Test of outside sprinklers by Factory Mutual at Bigelow Carpet Co.	" " "	6
1228.	Test of outside sprinklers by Factory Mutual at Bigelow Carpet Co.	" " "	6

Index(Cont.)

No.	Description	Date	Copy in Bk. No.
1229.	Test of outside sprinklers by Factory Mutual at Bigelow Carpet Co.	July 2, 1909	6
1230.	Test of outside sprinklers by Factory Mutual at Bigelow Carpet Co.	" " "	6
1231.	Merrimack Canal Wall along Anne St. (No. negative)	" 4, "	6
1231A	Merrimack River		
1232.	Merrimack Canal wall along Anne St. (No negative)	" " "	6
1232A	Pawtucket St./	July 29, 1909	6
1233.	Blank		
1233A	Merrimack River near Textile School (No. negative)	" " "	6
1234.	Merrimack ST. cor. of Pawtucket St.	" 15, "	6
1234A	Merrimack River	July 29, 1909	6
1235.	Merrimack River	" 15, "	6
1235A	Pawtucket St.	" 29, 1909	6
1236	" " & Merrimack River	" " "	6
1236A	" "	" " "	6
1237.	Hackberry Tree cor. Cheever and Pawtucket Sts.	" 15, "	6
1237A	Northern Canal	" 29, "	6
1238.	Swamp Locks	" 18, "	6
1239.	Mass. Cotton Mills on Concord River	" " "	6
1240.	" " " " " "	" " "	6
1241.	" " " " " "	" 25, "	6
1242.	" " " " " "	" " "	6
1243.	" " " " " "	" " "	6
1244.	" " " " " "	" " "	6
1245.	" " " " " "	" " "	6
1246.	" " " " " "	" " "	6
1247.	" " " " " "	" " "	6
1248.	Blank		

Index (cont.)

No.	Description	Date	Copy in Bk. No.
1249.	Blank		
1250.	Dutton St. Bridge	Aug. 2, 1909	6
1251.	Merrimack River - looking upstream No. Chelmsford	" 14, "	6
1252.	Merrimack River - looking upstream No. Chelmsford	" " "	6
1253.	Merrimack River - looking upstream No. Chelmsford	" " "	6
1254.	Merrimack River - looking upstream No. Chelmsford	" " "	6
1255.	Merrimack River - looking downstream No. Chelmsford	" " "	6
1256.	Merrimack River - looking downstream No. Chelmsford	" " "	6
1257.	Merrimack River - Looking downstream No. Chelmsford	" " "	6
1258.	Same as #1229 (negative in #1229)	July 2, 1909	6
1259.	" " #1226 " " #1226	" " "	6
1260.	" " #1227 " " #1227	" " "	6
1261.	" " #1228 " " #1228	" " "	6
1262.	" " #1230 " " #1230	" " "	6
1263.	Views showing pieces of broken pipe (no negative)		6
1264.	Same as #1263 - different view (no negative)		6
1265.	12" pipe to reservoir laid about 1849 "Taken up 1904 (no negative)		6
1266.	12" pipe to reservoir laid about 1849 " " " (no negative)		6
1267.	Fontoon Bridge	Aug. 22, 1909	6
1268.	" "	" " "	6
1269.	" "	" 30, "	6
1270.	" "	" " "	6
1271.	" " (no negative)	" " "	6
1272.	" "	" " "	6
1273.	" "	" " "	6
1274.	" "	" " "	6

Index (cont.)

No.	Description	Date	Copy in Bk. No.
1275.	Pontoon Bridge (no negative)	Aug. 30, 1909	6
1275A	Photo shows everything that remained of the "Pontoon Bridge" that was built across Merrimack River for the Auto Races at Lowell, Mass. in Sept. 1909	Oct. 8, 1909	6
1276.	Pontoon Bridge	Aug. 30, 1909	6
1277.	30' below 4-5-6 Law. M. Co.	" 29, "	6
1278.	50' above 4-5-6 Law. M. Co.	" " "	6
1279.	75' above Merrimack M. Co. Suction Pipe	" " "	6
1280.	Repairs at Wamesit Dam (no negative)	Sept. 13, 1909	6
1281.	" " " " " "	" " "	6
1282.	" " " " " "	" " "	6
1283.	" " " " " "	" " "	6
1284.	" " " " " "	" 19, "	6
1282A	Wamesit Dam " "	Nov. 27, 1909	6
1283A	" " " " "	" " "	6
1285.	Repairs at Wamesit Dam " "	Sept. 19, 1909	6
1286.	" " " " " "	Oct. 7, 1909	6
1287.	Wamesit Dam after repairs	" " "	6
1288.	Rebuilding E. Merrimack St. Bridge (no negative)	Oct. 1909	6
1289.	Rebuilding E. Merrimack St. Bridge	" "	6
1290.	Rebuilding E. Merrimack St. Bridge	" "	6
1291.	" " " " " "	" "	6
1292.	Grist Mill wheel, rebuilt Oct. 1909	" "	6
1293.	" " " " " "	" "	6
1294.	" " " " " "	" "	6
1295.	Outside sprinkler test by Factory Mutual Bigelow-Carpent Co. Test #1	Nov. 9, 1909	6
1296.	" " " " " 42 " "	" " "	6

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No.	Description	Date	Copy in Bk. No.
1297.	Outside Sprinkler test by Factory Mutual Bigelow Carpet Co. Test #3	Nov. 9, 1909	6
1298.	" " " " " "	" " "	6
1299.	" " " " " #5	" " "	6
1300.	Site of new power house on Merrimack River Back of Mass. Cotton Mills	Aug. 22, 1909	
1301.	Flooring being laid in Lower Sawtucket Canal in front of Bigelow Carpet Company Wasteway	Nov. 14, 1909	No print No print
1302.	Construction work back of Mass.	Aug. 8, 1909	6
1303.	" " " " "	Sept. 12, 1909	6
1304.	" " " " "	" " "	6
1305.	Section of Draft-tube in yard of Mass. Cotton Mills	" 20, "	6
1306.	Outlet of Draft-tube Mass. Cotton Mills	" " "	6
1307.	Outlet of Draft-Tube Mass. Cotton Mills	" " "	6
1308.	Site of new " " " " " "	" 25, "	6
1309.	" " " " " " " "	" " "	6
1310.	" " " " " " " "	" " "	6
1311.	" " " " " " " "	Oct. 14, 1909	6
1312.	Mass. Cotton Mills	" 31, "	6
1313.	" " " " " " " "	" " "	6
1314.	" " " " New Power House inside	Dec. 6, 1909	6
1315.	" " " " Piers built in to support No. 3 Mill - N. side, where new penstock passes	" " "	6
1316.	Mass. Cotton Mills - new penstock as it approaches foundation of Mill #3	" " "	6
1317.	Mass. Cotton Mills Pr. 48" type C Hercules	Mar. 14, 1910	6
1318.	" " " " " " " "	" " "	6
1319.	" " " " " " " "	" " "	6
1320.	" " " " " " " "	" " "	6

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No.	Description	Date	Copy in Bk. No.
1321.	Mass. Cotton Mills - 48" type C Hercules	Mar. 14, 1910	6
1322.	" " " " " " " "	" 23, "	6
1323.	" " " Runners & settings	Apr. 15, 1910	6
1324.	" " " " " " " "	" " "	6
1325.	" " " " " " " "	" " "	6
1326.	to 1330 incl. blank.		
1331.	Country Club Bridge (no negative)	Dec. 7, 1909	6
1332.	" " " " " "	" " "	6
1333.	" " " " " "	" " "	6
1334.	" " " " " "	" " "	6
1335.	Rawtucket Dam	Jan. 28, 1910	6
1336.	Fence along School St. opposite Gate Ho.	May 6, 1910	6
1337.	" " " " " " " "	" " "	6
1338.	Bigelow Carpet Co.'s Wall - Lower Canal Where L. & C. are putting in con- crete toe wall	" 22, "	6
1339.	Same as #1338 - different view	" " "	6
1340.	Bigelow Carpet Co.'s Wall - Lower Canal	June 5, 1910	6
1341.	Same as #1340 - different view	" " "	6
1342.	Same as #1338 - different view	May 22, 1910	6
1343.	" " " " " "	" " "	6
1344.	" " " " " "	" " "	6
1345.	Bigelow Carpet Co.'s Wall - Lower Canal showing concrete toe wall put in by L. & C.	" 30, "	6
1346.	Same as #1345 - different view	" " "	6
1347.	" " " " " "	" " "	6
1348.	" " " " " "	" " "	6
1349.	Same as #1340 - different view	June 5, 1910	6

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No.	Description	Date	Copy in Bk. No.
1350.	Bigelow Carpet Co.'s Wall - Lower Canal	June 5, 1910	6
1351.	Same as #1350 - different view	" " "	6
1352.	" " " " " "	" " "	6
1353.	Land in rear of Lowell Textile School	June 22, 1910	6
1354.	" " " " " "	" " "	6
1355.	" " " " " "	" " "	6
1356A	Taylor's Falls Bridge, Nashua, N.H.	Nov. 21, 1913	6
1356.	Temporary Bridge over Concord River, built by Mass. Cotton Mills	July 21, 1910	6
1357.	Taylor's Falls Bridge, Nashua & Hudson, N.H. being replaced by new concrete bridge	July 14, 1910	6
1358.	Same as #1357 - different view	" " "	6
1359A	Taylor's Falls Bridge, Nashua, N. H.	Nov. 21, 1913	6
1359.	Same as #1357 - different view	July 14, 1910	6
1359A	Nashua & Rochester R. R. bridge, Nashua, N.H.	" " "	6
1360.	Taylor's Falls Bridge over Merrimack River, Nashua & Hudson, N.H. to be replaced with new concrete bridge	" " "	6
1361.	Concrete foot wall in front of Bigelow Carpet Co.'s Mill #19 - Lower Canal	" 24, "	7 6
1362.	Same as #1361 - different view	" " "	7
1363.	" " " " " "	" " "	7
1364.	" " " " " "	" " "	7
1365.	Concrete wall in rear of Hamilton M. Co.	" " "	7
1366.	Same as #1365 - different view	" " "	7
1367.	Lower Level of Pawtucket Canal.	" " "	7
1368.	Concrete Foundation in rear of Hamilton M. Co.	" " "	7
1369.	Same as #1368 - different view	" " "	7
1370.	Same as #1367 - different view	" " "	7
1371.	Same as #1368 - different view	" " "	7
1372.	Washout under Mass. Cotton Mills Repair Shop	" 28, "	No print
1373.	Washout under S. end of Mass. Cotton Mills Repair Shop	" " "	7

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No.	Description	Date	Copy in Bk. No.
1374.	Washout under Mass. Cotton Mills Repair Shop	July 28, 1910	No print.
1375.	Same as #1374 - different view	" " "	7
1376.	" " " " "	" " "	7
1377.	Lower Pawtucket Canal	Aug. 21, 1910	7
1378.	Same as #1377 - different view	" " "	7
1379.	" " " " "	" " "	7
1380.	" " " " "	" " "	7
1381.	" " " " "	" " "	7
1382.	Boott Mills (No. 5 wheel) Old Draft Tube extension	" 31, "	7
1383.	Boott Mills (No. 3 wheel) Old draft tube extension	" " "	7
1384.	Boott Mills (No. 4 wheel) shows new draft tube in place but not riveted up	Sept. 1, 1910	7
1385.	Boott Mills (No. 4 wheel) shows end of quarter turn	" " "	7
1386.	Boott Mills (No. 4 wheel) showing end of draft tube	" 7, "	7
1387.	Boott Mills - showing #3-4-5 Raceways (East & West)	Aug. 29, 1910	7
1388.	Boott Mills - showing 3-4-5 Raceways (East)	" " "	7
1389.	" " " " " (West)	" " "	7
1390.	" " " 1 & 2 "	Sept. 4, 1910	7
1391.	" " " #1 Raceway	" " "	7
1392.	" " " #2 "	" " "	7
1393.	" " " #6-7-8 Raceways (East & West)	" " "	7
1394.	" " " #6-7-8 Raceway (West)	" " "	7
1395.	Same as #1393 - different view	" " "	7
1396.	Plate girder under Mass. Cotton Mills new Mill over Eastern Canal	" 7, "	7

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No.	Description	Date	Copy in Bk. No.
1423.	Pawtucket Canal below School St.	Dec. 4, 1910	7
1424.	Bigelow Carpet Co. 4 guides west unit 33" type C Hercules (no negative) *	Nov. 15, 1910	7
1425.	Bigelow Carpet Co. Type C Hercules (no negative) *	" 15, "	7
1426.	Bigelow Carpet Co. R. H. wheel West unit 33" type C Hercules (No negative) *	" 21, "	7
1427.	Bigelow Carpet Co. - wheels of west unit 33" type C Hercules (no negative)*	" " "	7
1428.	Bigelow Carpet Co. R. H. wheel west unit 33" type C Hercules (no negative)	" " "	7
1429.	No. 7 Boyden turbine - Merrimack M. Co. 107" Dia. now being broken up, built in 1879 by Lowell Mach. Shop	Jan. 24, 1911	7
1430.	Same as #1429 - different view	" " "	7
1431.	Hand tub Merrimack M. Co. No. 4, built by Hunneman & Co. - Boston 1847 Picture taken Merr'k. Mfg. Co.'s yard	" 26, "	7
1432.	Wreck at Boott Mills caused by bursting fly wheel	" " "	7
1433.	Wreck at Boott Mills caused by bursting fly wheel	" " "	7
1434.	Site of Wicasssee Falls Dam Feb. 17, 1911	Feb. 17, 1911	7
1435.	Same as #1434 - different view	" " "	7
1436.	Stone tie taken out from N. H. track of B. & L. R. R. on Six Arch Bridge over Concord River, Lowell, Mass. probably laid in 1834.	Oct. 1901	7
1437.	Merrimack St. Bridge over Merrimack Canal (no negative)	May 25, 1911	7
1438.	Varnum Avenue near Pawtucket Dam (no negative)	" 24, "	7
1439.	Upper Pawtucket St. (no negative)	" " "	7
1440.	" " " " "	" " "	7
1441.	" " " " "	" " "	7
1442.	Jefferson St. Bridge (City Bridge) No negative	" 26, "	7

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No.	Description	Date	Copy in Bk. No.
1443.	Little Canada Play ground	May 26, 1911	7
1444.	Looking downstream from Rawsucket Bridge	" 25, "	7
1445.	Looking upstream from Moody St. Bridge	" 26, "	7
1446.	" towards Colonial Ave. from Moody St. Bridge	" 24, "	7
1447.	Looking towards Rawsucket St. from Moody St. Bridge	" " "	7
1448.	Rear of Davis & Sargent's Lumber yard	" 25, "	7
1449.	Davis & Sargent's Lumber Yard	" " "	7
1450.	W. E. Livingston's Yard	" " "	7
1451.	Rear of Davis & Sargent's Lumber Yard	" " "	7
1452.	Blank		
1453.	Gov. Allen, showing top removed	" 26, "	7
1454.	Rear of Bigelow Carpet Co. - Toe Wall (no-negative) (Negative found later)	July 2, 1911	7
1455.	Rear Bigelow Carpet Co.	" " "	7
1456A	Saco-Lowell Shop Yard - Near Merr'k. Canal	Sept. 30, 1912	7
1456.	Lower Rawsucket Canal	Oct. 1, 1911	7
1456B	Bigelow Hartford Carpet Co. Raceways	Aug. 20, 1911	7
1457.	" " " "	" " "	7
1457A	Saco-Lowell Shop Yard, near Merr'k. Canal	Sept. 30, 1912	7
1458.	Butcher's Field, Broadway & Paw. Sts.	Aug. 6, 1911	7
1459A	Expt. #1 - Finish - Swamp Locks	Oct. 28, 1911	7
1459.	" " Start " "	" 28, "	7
1459A	Show trench at location of break in 12" (1868) main to L&C Reservoir, over arch of Church St. bridge, over Concord River	Mar. 23, 1912	7
1460.	Fence on Railroad Bridge at Boott Mills near Bridge St.	July 8, 1912	7
1460A	Piece of 12" (1868) pipe to L.&C. reser- voir from arch of Church St. bridge over Concord River,	Mar. 23, 1912	7

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No.	Description	Date	Copy in Bk. No.
1461.	Pawtucket Canal from N. & L. R. R. Bridge	May 11, 1913	7
1461A	Venturi Meter Measm'ts. at Swamp Locks	June 11, 1913	7
1462.	" " " " " "	" " "	7
1462A	" " " " " "	" 13, "	7
1463.	Pawtucket Canal just above N. & L. R.R. Bridge	May 11, 1913	7
1464.	Pawtucket Canal above N. & L.R.R. Bridge	" " "	7
1464A	Venturi Meter Measm'ts. at Swamp Locks	June 4, 1913	7
1465.	" " " " " "	" " "	7
1466.	Same as #1464A - different location (view)	" " "	7
1465A	West Section of Lawrence Dam before im- provements showing running mark	June 30, 1913	7
1466A	West Section Lawrence Dam, before im- provements showing running mark	" " "	7
1467.	Same as #1466 - different view	" 5, "	7
1467A	From Aiken St. Bridge at cor. of Law. Mfg.Co. Mill	Aug. 22, 1913	7
1468.	" " " " " " " "	" 28, "	7
1468A	" " " " " " " "	Sept. 17, 1913	7
1469.	" " " " " " " "	" 30, "	7
1469A	L.W.W. 24" pipe laid in bed of Merr'k. River	" " "	7
1470.	Pawtucket Boulevard (no negative)	Aug. 17, 1913	7
1470A	Bigelow Co. yard 31" stype D Hercules	" 21, "	7
1471.	Fishway Paw. Dam	Sept. 18, 1913	7
1471A	Boott Mills, showing work in #1 race	Oct. 19, 1913	No print
1472.	" " " draft tube extension on #2 wheel	" " "	7
1472A	Thorntons Ferry Rain Gauge	Oct. 27, 1913	7
1473.	" " "	" " "	7

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No.	Description	Date	Copy in Bk. No.
1473-A	Cromwells Falls measuring station	Oct.27,1913	7
1474.	Nashua River, measuring station	" " "	7
1474A	Lunch at Cromwells Falls	" " "	7
1475.	Wall south side Rawtucket Canal just above N. & L. R. R. Bridge 260 ft. built 1913 Beginning 25.6 ft. from pier	Nov.23,1913	7
1475A	Current Meter Meas. Sta. Merr'k. Canal (south of racks)	" 16, "	7
1476.	Current Meter Meas. Sta. Market St. Bridge	" 16, "	7
1476A	Work done this season - concrete and plank on slope in rear of Saco-Lowell Shop	" 23, "	7
1477.	Planking the slope in lower Paw. Canal in rear of Lowell Mach. Shop	" " "	7
1477A	Lawrence Dam	Dec. 14, 1913	7
1478.	Gauge just below Thorntons Ferry.	Feb. 26, 1914	7
1478A	Cromwells Falls, gauge at measuring station	" " "	7
1479.	" " looking from east side of River on line of measuring station	" " "	7
1479A	Cromwells Falls, looking downstream from measuring station	" " "	7
1480.	Cromwells Falls, looking upstream from measuring station	" " "	7
1480A	Two small pictures of Rawtucket Dam (no negatives)	Mar. 16, 1914	7
1481.	Blank.		
1481A	Two small pictures of Rawtucket Dam (no negatives)	" " "	7
1482.	Blank		
1482A	Two small pictures of Rawtucket Dam (No negatives)	" " "	7
1483.	Blank		
1483A	Penstock gages (2 views) Mass. Cotton Mills Apr. 9, 1914, and gage set up in paint shop for photo. Apr. 1914. Extra set of prints in envelope.	Apr. 9, 1914	7
1484.	Blank		

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No.	Description	Date	Copy in Bk. No.
1485.	Law. Dam (2 views)	May 2, 1914	7
1485A	Lawrence Mfg. Co. yard, showing water in front of paint shop caused by Law. Co. shutting down	" " "	7
1486.	Lawrence Canal	" " "	7
1486A	Westerly end of Lawrence Canal	May 10, 1914	7
1487.	Paint Shop at westerly end of Lawrence Canal	" " "	7
1487A	Westerly end of Lawrence Canal	" " "	7
1488.	Lawrence Dam - Gate raised 1 ft.	" 9, "	7
1488A	" " " wide open	" " "	7
1489.	" " " " "	" " "	7
1489A	Mouth of No. 10 & 11 Raceway Merr'k. Mfg. Co.	May 26, 1914	7
1490.	Merrimack Print Works Weir	" " "	7
1490A	Gauge at Bow Junction, N.E. before remov- ing sand and stones	" 27, "	7
1491.	Gauge at Bow Junction, N. E. after remov- ing stones and sand	" " "	7
1491A	East Wall Reservoir Lot looking south	" 28, "	7
1492.	South wall reservoir lot, looking west	" " "	7
1492A	South Wall Reservoir Lot looking east	" " "	7
1493.	Fishway at Rawsucket Dam	June 5, 1914	7
1493A	Vesper Country Club Suspension Bridge, partly demolished by Tornado, from west side looking toward Island	July 12, 1914	7
1494.	Same as #1493A - different view	" " "	7
1494A	" " " " "	" " "	7
1495.	" " " " "	" " "	7
1495A	" " " " "	" " "	7

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No.	Description	Date	Copy in Bk. No.
1496.	Vesper Country Club Suspension Bridge partly demolished by tornado, from Island looking west	July 12, 1914	7
1496A	Vesper Country Club Bridge, detail of parts which failed during tornado	" " "	7
1497.	Fishway at Rawsucket Dam	Aug. 25, 1914	7
1497A	Two small photos of Central Bridge & Merrimack House (no negatives)	No date	7
1498.	Three small photos: School St. Bridge, Raw. Falls Fishway & Barristers Hall (no negatives)	" "	7
1498A	Broken Piston Rod from 1500 gal. underwriter pump at Mass. Cotton Mills	Dec. 19, 1914	7
1499.	Boott Mills River Gauge	Jan. 3, 1915	7
1499A	Deane Vertical Triple Plunger Pump 13x12 Single Acting, 750 gals. per min. each, installed Saco Lowell Shops (no negative) *	Jan. 13, 1915	7
1500.	Same as #1499A - different view " " *	" " "	7
1501.	Deane Vertical Triple Plunger Pumps 13x12 Single Acting, 750 gals. per min. each installed Saco-Lowell Shop (no negative) *	" " "	7
1501A	Rawsucket Dam " " *	Jan. 20, "	7
1502.	" " " " *	" 26, "	7
1502A	" " " " *	Mar. 3, 1915	7
1503.	Thorntons Ferry, N. H.	" 2, "	7
1503A	Gauge at Thorntons Ferry, N. H.	" " "	7
1504.	Thorntons Ferry, N. H., looking upstream from just below reg. gauge	" " "	7
1504A	Fishway Rawsucket Dam	" 10, "	7
1505.	Thorntons Ferry, N. H. new gauge set in brook near old "Ferry Road", nearly opposite depot.	" 2, "	7
1505A	Country Club Bridge	" 16, 1915	7
1506.	" " " looking toward Island	" " "	7
1506A	Merrimack Measuring Flume from Lucy Larcum Park	May 9, 1915	7

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No.	Description	Date	Copy in Bk. No.
1507.	Merrimack Measuring Flume from Dutton St. side	May 9, 1915	7
1507A	Regular gauge at Thorntons Ferry, N. H.	June 3, 1915	7
1508.	Blank		
1508A	Showing old suction pipes in Merrimack Canal Card Clothing Bldg. taken May 9, 1915	May 9, 1915	7
1509.	Showing stone drain Taking out of Merrimack Canal to supply water to new concrete tank in basement of Card Clothing Bldg.	" " "	7
1509A	18" Alden Dynamometer on 12" Smith-McCormick turbine at Swamp Locks testing flume	June 10, 1915	7
1510.	Draft tube and vacuum gauge on 12" Smith- McCormick turbine at Swamp Locks Testing flume	" " "	7
1510A	Measuring Station Swamp Locks Testing Flume	" " "	7
1511.	Measuring Station Swamp Locks Testing Flume	" " "	7
1511A	Piezometer gauge at Measuring Flume, Swamp Locks	" " "	7
1512.	Rain gauges at Paw. Dam.	June 4, 1915	7
1512A	L. & C. rain gauge at Swamp Locks	June 10, 1915	7
1513.	" " " " " " Old Guard Locks	Oct. 26, 1915	7
1513A	" " " " " " Lower Locks	" 29, "	7
1514.	Blank		
1514A	Gate House at Pawtucket Dam	Apr. 20, 1915	7
1515.	Upper end of Northern Canal looking toward Gate House	" " "	7
1515A	Head of Northern Canal, looking toward Gate House	May 9, 1915	7
1516.	Gate House at Old Guard Locks	June 4, 1915	7
1517O	Gates at Old Guard Locks	May 9, 1915	7
1517.	Waste Gates Northern Canal	Apr. 20, 1915	7
1517A	" " " "	May 9, 1915	7
1518.	" " in wall Northern Canal, from Merrimack River	June 4, 1915	7

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No.	Description	Date	Copy in BK. No.
1518A	Gate House at T. & S.	Apr. 20, 1915	7
1519.	Same as #1518A - different view	May 9, "	7
1520.	Moody St. Feeder	" " "	7
1521.	Scott Dam, showing gate, Bays, etc. (2 views)	June 27, 1915	7
1521A	Leak from T. & S. wheels, wasting at Law. Dam	July 4, 1915	7
1522.	Mouth of Tremont Raceways, discharging into Western Canal just below Ball St. Dam	" " "	7
1523.	Mouth of Tremont Raceways, discharging into Law. Canal, showing leak (2 views)	" " "	7
1523A	Merrimack Print Works Wasteway, Weir removed, looking toward Mill	June 27, 1915	7
1524.	Merrimack Print Works Wasteway	" " "	7
1524A	School St. Bridge over Merrimack River	" 29, "	7
1525.	School St. Bridge over Merrimack River (different view than #1524A)	" " "	7
1525A	Same as #1525 - different view	" " "	7
1526.	" " " " "	" " "	7
1527.	River bed just below Law. Dam (2 views)	" " "	7
1527A	Same as #1525 - different view	July 6, 1915	7
1528.	" " " " "	" " "	7
1528A	" " " " "	" " "	7
1529.	Rawtucket DAM (no negative)*	July 10, 1915	7
1529A	Same as #1525 - different view (no negative)"	" "	7
1530.	Rawtucket Dam (no negative)	Mar. 3, 1896	7
1530A	" "	" " "	7
1531.	Merrimack River	" " "	7
1531A	" "	" " "	7

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No.	Description	Date	Copy in Bk. No.
1530B.	Repairing Rawsucket Dam - Water 81.50	July 23, 1915	7A
1531B	" " "	" " "	no print
1532B	" " " " 81.40	" " "	7A
1533B	Rawsucket Dam Repairs	" " "	7A
1534B	" " "	" " "	7A
1535B	" " " - Water abt.81.50	" " "	no print
1536B	" " " - " " "	" " "	7A
1537B	" " "	" 27, "	no print
1538B	" " "	" " "	" "
1539B	" " "	" " "	" "
1540B	" " "	" " "	7A
1541B	" " "	" 28, "	7A
1542B	" " " - Water 83.2	" 29, "	7A
1543B	" " " " "	" " "	7A
1544B	" " " " "	" " "	7A
1545B	" " " " "	" " "	7A

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No.	Description	Date	Copy in Bk. No.
1532.	Merrimack River	Mar. 3, 1896	7
1532A	Flat East of Textile School (no negative)	" " "	7
1533.	Break in Rawtucket Dam " " *	July 12, 1915	7
1533A	" " " " " " *	" 13, "	7
1534.	" " " " " " *	" " "	7
1534A	Merrimack Print Works Wasteway, New pipe leading to river	Oct. 3, 1915	7
1535.	Outlet of Merrimack Print Works discharge pipe	" 24, "	7
1535A	Gate on Bridge Merrimack Meas. Flume	" 25, "	7
1536.	View of Upper Bridge Merrimack Meas. Flume	" " "	7
1536A	Boott Regular Gauge and Self Recording Continuous Gauge	" 24, "	7
1537.	Obstruction in 2" pipe leading to tenements cor. Broadway and Dummer Sts., taken out St.	" 14, "	7
1537A	Rawtucket/Bridge (High Bridge) over Northern Canal - looking east	" 26, "	7
1538.	Rawtucket st. Bridge (High Bridge) over Northern Canal - looking upstream	" " "	7
1538A	Same as #1537A - different view	" " "	7
1539.	" " #1538 - " "	" " "	7
1539A	Broadway Bridge over Rawtucket Canal, looking East	" " "	7
1540.	Broadway Bridge over Rawtucket Canal, looking upstream	" " "	7
1540A	Thorndike St. Bridge over Rawtucket Canal, Looking North	" " "	7
1541.	Thorndike St. Bridge over Rawtucket Canal, Looking downstream	" " "	7
1541A	Merrimack St. Bridge over Western Canal, Looking toward City Hall	" 26, "	7
1542.	Merrimack St. Bridge over Western Canal, looking upstream.	" " "	7

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No.	Description	Date	Copy in Bk. No.
1542A	Suffolk St. Bridge over Northern Canal, looking downstream	Oct. 28, 1915	7
1543.	Suffolk St. Bridge over Northern Canal, looking toward Law. Mfg. Co.	" " "	7
1543A	Central St. Bridge over Lower Pawtucket Canal, looking upstream	" 29, "	7
1544.	Central St. Bridge over Lower Pawtucket Canal, looking toward Merrimack St.	" " "	7
1544A	East Merrimack St. Bridge over Eastern Canal, looking downstream	" " "	7
1545.	East Merrimack St. Bridge over Eastern Canal, looking toward Merrimack Square	" " "	7
1545A	Bridge St. Bridge over Eastern Canal, looking downstream	" " "	7
1546.	Bridge St. Bridge over Eastern Canal, looking toward Merrimack River	" " "	7
1546A	Merrimack Canal, looking toward Merrimack Mfg. Co., from opp. Feeder Gate House	Jan. 25, 1916	7
1546B	Repairing Pawtucket Dam, Derrick moved 50 ft. upstream (2 negatives) Water = 83.60	July 30, 1915	7A
1547.	Merrimack Canal, looking toward Merrimack Mfg. Co., from rear of Feeder Gate House	Jan. 26, 1916	7
1547A	Merrimack Canal, from R. R. Bridge, looking un- der Y. M. C. A.	" " "	7
1547B	Repairing Pawtucket Dam - Water 84.50 (2 neg- atives)	July 31, 1915	7A
1548.	Break in Northern Canal Wall, Ford St. side, just below Cabot St. Bridge	Jan. 30, 1916	7
1548A	Fire at Middlesex Co. #2 Store House	Jan. 29 & 30, 1916	7
1549.	Fire at Middlesex Co. #2 Store House	" " " " "	7
1549A	Section of diagram from Merrimack River, Telehydrobarometer	Feb. 2, 1916	7
1549B	(2 negatives - 1 broken) Repairing Pawtucket Dam - Water 82.60	Aug. 2, 1915.	7A
1550.	Broadway St. at L. & C. Office (no negative)	Feb. 25, 1916	7

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No.	Description	Date	Copy in Bk. No.
1550A	Lower Appleton Gauge - Water 68.47	Apr. 6, 1916	7
1550B	Repairing Rawsucket Dam " 82.95	Aug. 3, 1915	7A
1551	Blank		
1551B	Repairing Rawsucket Dam - Water 82.95	" " "	7A
1552.	Shore of Merrimack River above Rawsucket Bridge - Water 88.15 above dam	Feb. 29, 1916	7
1552A	Shore of Merrimack River downstream from Rawsucket Bridge, view is from cor. of abutment - Water 88.15 above dam	" " "	7
1552B	Repairing Rawsucket Dam - Water 82.95	Aug. 3, 1915	7A
1553.	Front St. fence along River Bank, looking West	Feb. 29, 1916	7
1553A	Front St. fence along River Bank, Looking East	" " "	7
1553B	Rawsucket Dam - Water 84.70 at 11:02 A.M.	Aug. 5, 1915	7A
1554.	Rawsucket Bridge - Lowell (2 negatives)	March 28, 1916	7
1554A	Break in Western Canal Wall - east side - south of Merrimack Street	April 30, 1916	7
1554B	Rawsucket Dam - Water 85.25	Aug. 5, 1915	7A
1555.	Break in Western Canal Wall, east side - south of Merrimack St.	April 30, 1916	7
1555A	Break in Western Canal Wall, East Side - south of Merrimack St.	May 14, 1916	7
1555B	Rawsucket Dam - Water 85.25	Aug. 5, 1915	7A
1556.	Break in Western Canal Wall - east side - south of Merrimack St.	May 14, 1916	7
1556A	Recently built fence on north side of Broadway near Old Guard Locks	June 14, 1917	7
1556B	Rawsucket Dam - Water 86.00	Aug. 7, 1915	7A
1557.	Appleton Lower Gauge	June 25, 1916	7
1557A	Appleton New Mill	" " "	7
1557B	Repairing Rawsucket Dam - Water 86.00	Aug. 7, 1915	7A

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No.	Description	Date	Copy in Bk. No.
1558.	Elm Tree on L. & C. land opp. No. 48 Lewis St. from which large limb broke off and fell to street	July 6, 1916	7
1558A	Removing part of Hoisting apparatus from Northern Canal Gate House	" 10, "	7
1558B	Repairing Rawtucket Dam - Water 86.00	Aug. 7, 1915	7A
1559.	Lower Rawtucket Canal Wall, near American House	July 16, 1916	7
1559A	Swamp Locks Dam now being raised one foot, the left hand side has already been raised (no negative)	Sept. 5, 1916	7
1559B	Repairing Rawtucket Dam - Water 86.20	Aug. 10, 1915	7A
1560.	East Wall of Western Canal showing repairs just finished (no negative)	Sept. 5, 1916	7
1560A	Theatre Platform - Central St. " "	" 27, 1916	7
1560B	Repairing Rawtucket Dam - Water 86.20	Aug. 10, 1915	7A
1561.	Theatre Platform - Central St. (no negative)	Sept. 27, 1916	7
1561A	" " " " " "	" " "	7
1561B	Repairing Rawtucket Dam - Rebuilding coffer dam where washed away - Water 83.70	Aug. 11, 1915	7A
1562.	Theatre Platform - Central St. Placing 24" beam (no negative)	Sept. 27, 1916.	7
1562A	Theatre Platform - Central St. - Placing 24" beam (no negative)	" " "	7
1562B	Repairing Rawtucket Dam - rebuilding coffer dam where washed out - water 83.70	Aug. 11, 1915	7A
1563.	Theatre Platform - Central St. (no negative)	Sept. 27, 1916	7
1563A	24" steel beams being installed for support of platform over Rawtucket Canal on East Side of Central Street (no negative)	" 29, "	7
1563B	Repairing Rawtucket Dam - rebuilding coffer dam - cleaning joints for grouting - Water 83.85 (2 negatives)	Aug. 12, 1915	7A
1564.	24" steel beams being installed for support of platform over Rawtucket Canal on E. side of Central street (no negative)	Sept. 29, 1916	7

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No.	DESCRIPTION	Date	Copy in Bk. No.
1564A	24" steel beams being installed for support of platform over Pawtucket Canal on East side of Central Street (no negative)	Sept. 29, 1916	7
1564B	Repairing Pawtucket Dam - Water 83.55	Aug. 12, 1915	7A
1565.	Theatre Platform - Central St. (no negative)	Sept. 27, 1916	7
1565A	24" steel beams being installed for support of platform over Pawtucket Canal on East side of Central Street (no negative)	" 29, 1916	7
1565B	Repairing Pawtucket Dam - Water 83.55	Aug. 13, 1915	7A
1566.	Theatre Platform work - S. side of Canal	Oct. 8, 1916	7
1566A	" " " - N. side of Canal	" " "	7
1566B	Repairing Pawtucket Dam - Water 84.30	Aug. 14, 1915	7A
1567.	Looking down Concord River from E. Merrimack St.	Oct. 11, 1916	7
1567A	Bank Concord River near "Whittier Cotton Mill"	" " "	7
1567B	Repairing Pawtucket Dam - Water 84.30	Aug. 14, 1915	7A
1568.	Pawtucket Bridge under construction	Oct. 14, 1916	7
1568A	Same as #1568 - different view	" " "	7
1568B	Repairing Pawtucket Dam - Water 84.30	Aug. 14, 1915	7A
1569.	Herrimack Canal Wall	Oct. 15, 1916	7
1569B	Repairing Pawtucket Dam - Water 84.65	Aug. 15, 1915	7A
1570.	Looking up Pawtucket Canal from point on South Wall 1200 ft. below School St.	Oct. 28, 1916	7
1570B	Repairing Pawtucket Dam - Water 84.20 (2 views)	Aug. 16, 1915	7A
1571.	Looking down Pawtucket Canal from point on South Wall 1200 ft. below School St.	Oct. 28, 1916	7
1571A	Looking up Pawtucket Canal from Nashua & Lowell R. R. Bridge	" " "	7
1571B	Repairing Pawtucket Dam - Water 84.20	Aug. 16, 1915	7A
1572.	Looking up Pawtucket Canal from Fletcher St. Bridge	Oct. 28, 1916	7

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No.	Description	Date	Copy in Bk. No.
1572A	Looking up Rawtucket Canal from Old B. & L. R.R. Bridge (Below Fletcher St.)	Oct. 28, 1916	7
1572B	Repairing Rawtucket Dam - Water 84.20	Aug. 16, 1915	7A
1573.	Looking down Rawtucket Canal from Saco-Lowell Shops Mill Yard	Oct. 28, 1916	7
1573A	Looking up Rawtucket Canal from building on West side of Central St.	" " "	7
1573B	Repairing Rawtucket Dam - Water 83.15	Aug. 17, 1915	7A
1574.	Looking up Rawtucket Canal from point near Central Street (2 views)	Oct. 28, 1916	7
1574A	New Rawtucket Bridge Construction (no negative)	Nov. 9, 1916	7
1574B	Repairing Rawtucket Dam - Water 83.15	Aug. 17, 1915	7A
1575.	Looking up Rawtucket Canal from Old Boston & Lowell R. R. Bridge (below Fletcher St.)	Nov. 2, 1916	7
1575A	Wall at entrance to Hamilton Canal along land leased to B. & L. R. R.	Nov. 26, 1916	7
1575B	Repairing Rawtucket Dam - Water 83.20	Aug. 18, 1915	7A
1576.	Merrimack River, Lowell, Mass. (near dam)	Jan. 17, 1917	7
1576A	West Bank Rawtucket Canal above Old Guard Locks	" " "	7
1576B	Repairing Rawtucket Dam - Water 83.20	Aug. 18, 1915	7A
1577.	Work at New Rawtucket Bridge	Jan. 17, 1917	7
1577A	Front St. Lowell (showing new fence)	Mar. 19, 1917	7
1577B	Repairing Rawtucket Dam - Water 83.20	Aug. 18, 1915	7A
1578.	Front St. Lowell, Mass (shows new fence)	Mar. 19, 1917	7
1578A	Rawtucket Bridge (3 negatives)	Mar. 28, 1917	7
1578B	Repairing Rawtucket Dam - Water 82.85	Aug. 19, 1915	7A
1579.	Rawtucket Bridge (3 negatives)	Mar. 28, 1917	7
1579A	Recently built fence - Hamilton Canal near Saco-Lowell Foundry	Apr. 5, 1917	7

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No.	Description	Date	Copy in Bk. No.
1579B	Repairing Rawsucket Dam - Water 82.85	Aug. 19, 1915	7A
1580.	Recently built Hamilton Canal Fence	Apr. 5, 1917	7
1580A	Obstructed passageway from Stackpole Street to Merrimack River - near Barry Shoe Co.	Apr. 16, 1917	7
1580B	Repairing Rawsucket Dam - Water 82.45	Aug. 20, 1915	7A
1581.	Recently built fence at East End of "High Bridge" over Northern Canal	May 15, 1917	7
1581A	Recently built fence at East End of "High Bridge" over Northern Canal	" " "	7
1581B	Repairing Rawsucket Dam - Water 82.45	Aug. 20, 1915	7A
1582.	Recently built fence at West end of "High Bridge" over Northern Canal	May 15, 1917	7
1582A	View from Broadway Bridge over Western Canal, showing rear of Suffolk St. Tenement Blocks	May 19, 1917	7
1582B	Repairing Rawsucket Dam - Water 82.45	Aug. 20, 1915	7A
1583.	"Motley & Kimball Block" Central St.	May 21, 1917	7
1583A	Cars on R. R. curve over Merrimack Canal at foot of Dutton St. - near Merrimack M. Co.	May 26, 1917	7
1583B	Repairing Rawsucket Dam - Water 82.45	Aug. 20, 1915	7A
1584.	Dutton St. Wall Merrimack Canal (rebuilding of top just finished)	June 3, 1917	7
1584A	R. R. Bridge over Merrimack Canal at foot of Dutton St.	" " "	7
1584B	Repairing Rawsucket Dam - Water 83.56	Aug. 21, 1915	7A
1585.	Dutton St. Wall - Merrimack Canal (rebuilding of top just finished)	June 4, 1917	7
1585A	Recently built fence on east bank of Rawsuck- et Canal, near Vesper Boat House	June 14, 1917	7
1585B	Repairing Rawsucket Dam - Water 83.50	Aug. 21, 1915	7A
1586.	Recently built fence on west shore at junction of Rawsucket Canal and Merrimack River	June 14, 1917	7
1586A	Recently built fence on shore of Merrimack River - near head of Rawsucket Canal	" " "	7
1586B	Repairing Rawsucket Dam -	Aug. 23, 1915	7A

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No.	Description	Date	Copy in Bk. No.
1587.	Recently built fence on passageway leading from Stackpole St. to river near Barry's Shoe Shop	June 14, 1917	7
1587A	Recently built fence on North side of Broadway, near Old Guard Locks (no negative)	" " "	7
1587B	Repairing Rawsucket Dam - view from angle at upper end of break	Aug. 23, 1915	7A
1588.	Railroad Curve - between Merrimack Mill Yard and Amory Street, near Boott Store House	June 19, 1917	7
1588A	Railroad curve crossing Dutton Street near Moody Street	" " "	7
1588B	Repairing Rawsucket Dam -	Aug. 23, 1915	7A
1589.	B. & L. R. R. Bridge No. 333 rebuilt June 24, 1917 (near Merrimack Canal Gates)	June 24, 1917	7
1589A	Eastern Canal Wall near Canal Street, being reinforced on back side	" 25, "	7
1589B	Repairing Rawsucket Dam - shows one of the dislodged cap stones	Aug. 23, 1915	7A
1590.	Eastern Canal Wall near Canal Street, being reinforced on back side	June 25, 1917	8
1590A	B. & L. R. R. Bridge No. 339 - rebuilt July 1917 (near Y. M. C. A. Lowell)	July 1917	8
1590B	Repairing Rawsucket Dam	Aug. 24, 1915	7A
1591.	Eastern Canal Wall along Canal Street, reinforced with concrete on back side	July 1917	8
1591A	"Test Wall" rear Davis & Sargent's, fell over Aug. 5, 1917	Aug. 6, 1917	8
1591B	Repairing Rawsucket Dam	Aug. 24, 1915	7A
1592.	Test Wall rear Davis & Sargent's - fell over Aug. 5, 1917	Aug. 6, 1917	8
1592A	Hydrant near Hamilton Blue Dye House in rear of "Motley Platform"	" 8, "	8
1592B	Repairing Rawsucket Dam	Aug. 24, 1915	7A
1593.	Central St. Bridge over Rawsucket Canal	Sept. 26, 1917	8

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No.	Description	Date	Copy in Bk. No.
1593A	Explosion 8:30 P. M. Oct. 1, 1917 Amory St. (2 negatives)	Oct. 1, 1917	8
1593B	Repairing Rawsucket Dam	Aug. 25, 1915	7A
1594.	Photo of board giving "Rates of Toll" (2 negatives)	Oct. 17, 1917	8
1594A	Old Board Fence corner of Suffolk & Market Sts. (2 negatives)	Oct. 22, 1917	8
1594B	Repairing Rawsucket Dam	Aug. 25, 1915	7A
1595.	New iron fence corner Suffolk & Market Sts. (2 negatives)	Oct. 23, 1917	8
1595A	South abutment Thornlike St. Bridge	Nov. 3, 1917	8
1595B	Repairing Rawsucket Dam	Aug. 25, 1915	7A
1596.	South abutment of Thornlike St. Bridge	Nov. 3, 1917	8
1596A	Old Middlesex Canal and Toll House	Nov. 6, 1917	8
1596B	Repairing Rawsucket Dam	Aug. 25, 1915	7A
1597.	Site of Water Tank and Pumping Plant of B. & M. R. R., now being erected at Middlesex Village Station	Nov. 6, 1917	8
1597A	Site of Water Tank and Pumping Sta. of B. & M. R. R. at Middlesex Village Station, now being erected	" " "	8
1597B	Repairing Rawsucket Dam	Aug. 25, 1915	7A
1598.	Temporary fence built by P. L. & G. on West Sidewalk of Thornlike St. Bridge as it stood Nov. 5 to 10, 1917.	Nov. 7, 1917	8
1598A	Northerly wall of Northern Canal near Suffolk M. Co. looking west - now hav- ing the top part rebuilt	" 8, "	8
1598B	Repairing Rawsucket Dam	Aug. 25, 1915	7A
1599.	Southerly wall of Northern Canal, look- ing from Cabot St. Bridge	Nov. 8, 1917	8
1599A	Northerly Wall of Northern Canal near Suffolk Mills, looking west. Wall now having top rebuilt	" " "	8

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No.	Description	Date	Copy in Bk. No.
1599B	Repairing Rawsucket Dam	Aug. 29, 1915	7A
1600.	Railroad curve at foot of Tremont Street	Nov. 8, 1917	8
1600A	Railroad Curve at foot of Tremont Street	" " "	8
1600B	Repairing Rawsucket Dam	Aug. 30, 1915	7A
1601.	Photo of freight car which ran off the rails at the curve at foot of Dutton St., near Merrimack M. Co. Nov. 9, 1917	Nov. 9, 1917	8
1601A	R. R. Tracks at Boott Store House	" 15, "	8
1601B	Repairing Rawsucket Dam	Aug. 30, 1915	7A
1602.	R. R. Tracks at Boott Store House	Nov. 15, 1917	8
1602A	R. R. Curve from Dutton St. Track	" 16, "	8
1602B	Repairing Rawsucket Dam	Aug. 31, 1915	7A
1603.	R. R. Tracks at Wooden Store House of T. & S. Mills	Nov. 16, 1917	8
1603A	R. R. Tracks at Wooden Store House of T. & S. Mills	" " "	8
1603B	Repairs to Rawsucket Dam	Aug. 31, 1915	7A
1604.	Northern Canal looking West from Suffolk St.	Nov. 16, 1917	8
1604A	Western Canal from Moody Street	" 17, "	8
1604B	Repairing Rawsucket Dam	Sept. 1, 1915	7A
1605.	Open iron fence at Lewis, & Market Sts. and at Suffolk & Market Sts. recently erected by P. L. & C.	Nov. 24, 1917	8
1605A	Open iron fence at Hanover and Market Sts. and at Suffolk & Market Sts. re- cently erected by P. L. & C.	" " "	8
1605B	Repairing Rawsucket Dam	Sept. 1, 1915	7A
1606.	Open iron fence at Suffolk & Merrimack Sts. recently erected by P. L. & C.	Nov. 24, 1917	8
1606A	R. R. curves at foot of Dutton Street	" " "	8
1606B	Repairing Rawsucket Dam	Sept. 1, 1915	7A

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No.	Description	Date	Copy in Bk. No.
1607.	R. R. Curve at Boott Store House	Nov. 25, 1917	8
1607A	R. R. Curve at Boott Store House	" " "	8
1607B	Repairing Rawtucket Dam	Sept. 3, 1915	7A
1608.	South abutment of Thorndike St. Bridge, now being rebuilt	Nov. 25, 1917	8
1608A	Recently erected wire fence on East side of Rawtucket Canal, starts at Rawtucket Street - 984 ft. long - 8 ft. high	" 26, "	8
1608B	Repairing Rawtucket Dam	Sept. 3, 1915	7A
1609.	Recently erected wire fence on East side of Rawtucket Canal, starts at Rawtucket St.	Nov. 26, 1917	8
1609A	Open iron fence at Merrimack & Hanover Sts. and at Merrimack & Suffolk Sts., recently erected by P. L. & C.	" " "	8
1609B	Repairing Rawtucket Dam (2 negatives)	Sept. 3, 1915	7A
1610.	Locks & Canals Gate House at Rawtucket Dam - rain & snow water running into house at door "A" and over window at sill "B" the latter place being directly over large driving belt	Jan. 12, 1918	8
1610A	Removing ice from L. & C. Reservoir - some 27" thick	" 24, "	8
1610B	Repairing Rawtucket Dam	Sept. 4, 1915	7A
1611.	Repairing Easterly Wall of Lawrence Wasteway	Feb. 15, 1918	8
1611A	Repairing Easterly Wall of Lawrence Wasteway	" " "	8
1611B	Repairing Rawtucket Dam	Sept. 4, 1915	7A
1612.	Repairing East Wall of Lawrence Wasteway	Feb. 15, 1918	8
1612A	Ice jam in Western Canal - looking upstream from Worthen St.	Feb. 21, 1918	8
1612B	Repairing Rawtucket Dam	Sept. 5, 1915	7A

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No.	Description	Date	Copy in Bk. No.
1613.	Ice jam in Western Canal - view looking up-stream from Worthen St.	Feb. 21, 1918	8
1613A	Cady Building Fire	Mar. 18, 1918.	8
1613B	Repairing Rawsucket Dam	Sept. 7, 1915	7A
1614.	Same as #1613A - different view	Mar. 18, 1918	8
1614A	Sidewalk in front of Locks & Canals office - 66 Broadway	Jan. 12, 1918	8
1614B	Repairing Rawsucket Dam	Sept. 8, 1915	7A
1615.	8" pipe from L. & C. Main in Prescott Mill Yard	Feb. 15, 1918	8
1615A	Ice jam in Western Canal, view looking up-stream from Dutton St.	Feb. 21, 1918	8
1615B	Repairing Rawsucket Dam	Sept. 8, 1915	7A
1616.	North abutment of Central St. Bridge and Motley Bldg., shows at West line of Street and front line of Bldg.	Apr. 7, 1918	8
1616A	South abutment of Central St. Bridge, shows line of W. side of Street and Front Line of Motley Bldg.	" " "	8
1616B	Repairing Rawsucket Dam - setting last capstone	Sept. 9, 1915	7A
1617.	Easterly Wall of Lawrence Wasteway Recently repaired	Apr. 15, 1918	8
1617A	Rawsucket Canal above Old Guard Locks, shows "Upper Free Landing" unfenced	" 19, "	8
1617B	Repairing Rawsucket Dam	Sept. 9, 1915	7A
1618.	"Upper Free Landing" - unfenced	Apr. 19, 1918	8
1618A	North Wall of Hamilton Canal near Saco-Lowell Shops, being repaired	" 22, "	8
1618B	Repairing Rawsucket Dam	Sept. 9, 1915	7A
1619.	Easterly Wall of Western Canal, top part soon to be replaced (relaid)	Apr. 28, 1918	8

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No.	Description	Date	Copy in Bk. No.
1619A	Fishway at Rawtucket Dam	May 8, 1918	8
1619B	Repairing Rawtucket Dam - Finished	Sept. 9, 1915	7A
1620.	Fishway at Rawtucket Dam	May 8, 1918	8
1620A	New Retaining wall at Gady Building (no negative)	May 12, 1918	8
1620A	Rawtucket Dam	Sept. 9, 1915	7A
1621.	Guides for new 42 $\frac{1}{2}$ " Allis-Chalmer Turbine at Boott Mills (no negative) *	May 14, 1918	8
1621A	New 42 $\frac{1}{2}$ " Allis-Chalmers Turbine at Boott Mills (no negative) *	" " "	8
1621B	Repairing Rawtucket Dam - finished	Sept. 9, 1915	7A
1622.	New 42 $\frac{1}{2}$ " Allis-Chalmers Turbine at Boott Mills (no negative) *	May 14, 1918	8
1622A	Location of proposed swimming place Northern Canal	May 17, 1918	8
1622B	Rawtucket Dam - all stones relaid	Sept. 9, 1915	7A
1623.	Exposed bank being protected with canvas from Erosion - Western Canal	May 1918	8
1623A	Building on North Side of Central St. on N. Bank of Rawtucket Canal	June 9, 1918	8
1623B	Rawtucket Dam - all stones reset	Sept. 9, 1915	7A
1624.	Motley & Dunbar Building on North side of Central St. Lowell - to be remodelled	June 9, 1918	8
1624A	Northerly Wall of Hamilton Canal - top part re- cently relaid	" 16, "	8
1624B	Rawtucket Dam - showing upstream part of repaired portion in commission again	Oct. 2, 1915	7A
1625.	Easterly Wall of Western Canal near entrance to Moody St. Feeder - soon to be relaid	June 17, 1918	8
1625A	Wall at head of Swamp Locks now being given a facing of concrete	July 28, 1918	8
1625B	Rawtucket Dam - shows inscription stone with added inscription	Oct. 2, 1915	7A
1626.	North abutment wall of Central St. Bridge - now being given a concrete facing averaging 8 in. thick	July 28, 1918	8

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No.	Description	Date	Copy in Bk. No.
1626A	North abutment wall of Central St. Bridge, now being given a concrete facing averaging 8" thick	July 28, 1918	8
1626B	Rawtucket Dam - shows part of the 1847 Dam	Oct. 15, 1915	7A
1627.	Basement of Appleton Co.'s New Coal Pocket, Jackson & Revere Sts.	July 30, 1918	8
1627A	L. & C. new 16" water main being laid through Saco-Lowell Shops yard - view shows under the "Archway"	" 31, "	8
1628.	Shows buckets of Hercules type "A", "B", "C" & "D" wheels		8
1628A	Runners for type "A", "B", "C" & "D" Hercules wheels		8
1629.	Recently laid L. & C. 12" Water Main, showing method of supporting it by means of trusses, where it crosses under bridge in Saco-Lowell Shops Yard (no negative)	Aug. 10, 1918	8
1629A	Outlet of Raceway between Saco-Lowell Shops & Bigelow-Hartford Carpet Co. - into Lower Rawtucket Canal	" " "	8
1630.	Concrete facing just made on wall at head of Merrimack Canal	" 11, "	8
1630A	Concrete facing of North abutment of Central St. Bridge, just finished (no negative)	Aug. 25, 1918	8
1631.	West Wall of Eastern Canal upstream from Mass. Measuring Flume	" 25, "	8
1631A	West wall of Eastern Canal upstream from Mass. Measuring Flume	" 25, "	8
1632.	Western Canal Wall - east side, repairs just finished (2 negatives)	Sept. 5, 1918	8
1632A	Swamp Locks Dam now being raised one foot - the left hand side has already been raised	" " "	8
1633.	Swamp Locks Dam being raised one foot - left hand side already raised	" " "	8
1633A	Prescott Mills - outlets of wheel races into Concord River	" 19, "	8
1634.	Prescott Mills - outlets of wheels into Concord River	" " "	8

No.	Description	Date	Copy in Bk. No.
1634A	39" Type "Z" Lffel wheelguides L. H. Hamilton Mfg. Co. #9	Sept. 23, 1918	8
1635.	39" type "Z" Lffel wheel L. H. Hamilton Mfg. Co. #9	" " "	8
1635A	Guide rings 42" Hercules R. H. Type "D" Mass. Cotton Mill new #5 wheel	" 24, "	8
1636.	42" Hercules R. H. Type "D" - Mass. Cotton Mills, new #5 wheel	" " "	8
1636A	Swamp Locks Dam - just raised one foot	Oct. 3, 1918	8
1637.	" " " " " " " " Water 82.95	" 7 "	8
1637A	Tenement block and store house belonging to Proprs. Locks & Canals (Greek School beyond)	" 8 "	8
1638.	Greek School corn. Broadway & Worthen Sts. Locks & Canals Store house and tenem- ent block beyond	" " "	8
1638A	West Wall of Eastern Canal	" 13, "	8
1639.	Work of re-inforcing Westerly Wall of Eastern Canal with a face of concrete Finished Oct. 6, 1918	" " "	8
1639A	Work reinforcing Westerly Wall of Eastern Canal with a face of concrete	" " "	8
1640.	Broadway Bridge over Rawtucket Canal, look- ing West - now being repaired	" 18, "	8
1640A	Broadway Bridge over Rawtucket Canal, look- ing East - now being repaired	" " "	8
1641.	Broadway Bridge over Rawtucket Canal, down- stream side - looking West, now being repaired	" 23, "	8
1641A	Broadway bridge over Rawtucket Canal, down- stream side - looking East, now being repaired	" " "	8
1642.	Swamp Locks Dam	Nov. 15, 1918	8
1642A	Entrance to Hamilton Canal	" " "	8

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No.	Description	Date	Copy in Bk. No.
1643.	Racks of Mass. Cotton Mills - just below Counting Room Bridge - shows washing in front of Racks now being filled with stones	Nov. 17, 1918	8
1643A	Washout of bottom of wall under corner of Cloth Room Building, Mass. Cotton Mills	" " "	8
1644.	West Wall of Eastern Canal - 114 ft. in length just reinforced with a facing of concrete (work done Sept. 10 to Nov. 10, 1918)	" " "	8
1644A	Same as #1644 - different view	" " "	8
1645.	Blue Dye House Ice Boom in Lower Pawtucket Canal, now being erected	" " "	8
1645A	Blue Dye House Ice Boom - Lower Pawtucket Canal, just built	" 24, "	8
1646.	Blue Dye House Ice Boom - Lower Pawtucket Canal - rear view - just finished	" " "	8
1646A	West Wall of Eastern Canal - 114 ft. long, just finished with a concrete face	" " "	8
1647.	West Wall of Eastern Canal, showing 114 ft. of new concrete facing - just finished	" " "	8
1647A	West Wall of Eastern Canal, showing 114 ft. of concrete facing, just finished	" " "	8
1648.	West Wall of Eastern Canal, showing 114 ft. in length of concrete facing - just finished (Sept. 10 to Nov. 10, 1918)	" " "	9
1648A	Eastern Canal along Canal Street	" " "	8
1649.	" " near Mass. Cotton Mills	" " "	8
1649A	" " " " " " Bridge	" " "	8
1650.	Collapse of Dillon Dye House Building 6-7 A. M. Nov. 27, 1918 - east side of Concord River, Lowell, Mass.	" 27, "	8
1650A	Collapse of Dillon Dye Works Building 6-7 A. M. Nov. 27, 1918 - east side of Concord River, Lowell, Mass. (negative cracked)	" " "	8
1651.	Collapse of Dillon Dye Works Building 6-7 A. M. Nov. 27, 1918 - east side of Concord River, Lowell, Mass.	" " "	8

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No.	Description	Date	Copy in Bk. No.
1651A	Collapse of Dillon Dye Works Building - 6-7 A.M. Nov. 27, 1918 - east side of Concord River, Lowell, Mass.	Nov. 27, 1918	8
1652.	Collapse of Dillon Dye Works Building - 6-7 A.M. Nov. 27, 1918 - east side of Concord River	Dec. 2, 1918	8
1652A	Collapse of Dillon Dye Works Bldg. 6-7 A. M. Nov. 27, 1918 - east side of Concord River	" 10, "	8
1653.	26" R. H. Type "S" S. Morgan Smith Co. to re- place old #5 Saco-Lowell Shops	Dec. 19, 1918	8
1653A	26" R. H. Type "S" S. Morgan Smith Co. to re- place old #5 Saco-Lowell Shop	" " "	8
1654.	26" R. H. Type "S" S. Morgan Smith Co. to re- place old #5 Saco-Lowell Shop	" " "	8
1654A	Merrimack St. Bridge over Western Canal, now being rebuilt by P. L. & G. - looking East.	" 31, "	8
1655.	R. R. Bridge over Western Canal - opposite Kitson Machine Shop - Dutton St.	Jan. 10, 1919	8
1655A	New Hydro-Electric Plant at Mass. Cotton Mills Units No. 5 & No. 6 (2 negatives)	" 15, "	8
1656.	Prescott Mills - installing 3-33" Hercules turbines with electric generators - view shows mouth of draft tubes at Concord River wall	Feb. 4, 1919	8
1656A	Prescott Mills - installing mouth of draft tube at Concord River wall (Easterly Tube) 3-33" Hercules wheels being installed Electric generators attached.	" " "	8
1657.	Installing easterly draft tube at Concord River wall of Prescott Mills, 3-33" Hercules turbines going in	" " "	8
1657A	Prescott Mills, installing Hydro-Electric Plant 3-33 inch Hercules turbines - view from E. Merrimack St. Bridge	" 11, "	8
1658.	3-33" Hercules Turbines R. H. "Type D" - now being set at Prescott Mills (middle one of 3)	" " "	8

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No.	Description	Date	Copy in Bk. No.
1658A	33" Hercules Turbine R. H. Type D now being set at Prescott Mills (middle one of three)	Feb. 11, 1919	8
1659.	Plan <i>Cross Section of #4, 5 + 6 Wheels, Mass Cotton Mills</i>		8
1659A	Hydro-electric Plant of Hamilton M. Co. Turbine No. 8	Mar. 3, 1919	8
1660.	Merrimack St. Bridge over Western Canal, being rebuilt of steel and concrete by P.L.&G.	" 7, "	8
1660A	Merrimack St. Bridge over Western Canal, being rebuilt of steel and concrete by P.L.&G.	" " "	8
1661.	Merrimack St. Bridge over Western Canal, recently rebuilt of steel and concrete (2 negatives)	" 21, "	8
1661A	Howard St. Bridge over N.Y.N.H.&H.R.R., Electric Street Car accident, Brookton, Mass.	Apr. 18, 1919	8
1662.	Same as above (#1661A) - different view, shows street car	" " "	8
1662A	Western Canal from Broadway looking North	" 10, "	8
1663	Western Canal from Jefferson St. Bridge towards Broadway	" " "	8
1663A	Western Canal from Jefferson St. Bridge towards Market	" " "	8
1664	Merrimack St. Bridge over Western Canal - recently rebuilt by L & C. of steel & concrete	May 3, 1919.	8
1664A	Prescott Power House - High Water	Mar. 28, 1919	8
1665	Dillon Wall - High water	" " "	8
1665A	Merrimack St. Bridge over Western Canal (street view)	Mar. 21, 1919	8
1666	Westwall of Eastern Canal along Canal St.	April 27, 1919	8
1666A	East wall of Eastern Canal along Canal St.	June 1, 1919	8
1667	Upper Free Landing showing enclosing fence	June 6, 1919	8

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B-1	View of River below Mass. Cotton Mills	Oct. 25, 1908	7B
B-2	Same as B-1	" " "	7B
B-3	View from top of Mass. Picker	" " "	7B
B-4	" " Whittier Mill (2 negatives)	" " "	7B
B-5	" " top of Mass. Picker (no negative)	" 25, "	7B
B-6	" " Whittier Mill - water at Scott 39.20	Dec. 5, 1909	7B
B-7	" " " "	" " "	7B
B-8	" " top of Mass. Picker	" " "	7B
B-9	Same as B-1 - different view	" " "	7B
B-10	View from Mass. Dye House (2 negatives)	Oct. 25, 1908	7B
B-11	" " top of Mass. Picker	Dec. 5, 1909	7B
B-12	School St. previous to abolition of grade crossing, looking east	July 14, 1911	7B
B-13	School St. previous to abolition of grade crossing, looking east	" " "	7B
B-14	Same as B-13 - different view (negative all broken)	" " "	no print
B-15	School St. previous to abolition of grade crossing, looking east	" " "	7B
B-16	School St. previous to abolition of grade crossing, looking west	" " "	7B
B-17	School St. previous to abolition of grade crossing, looking west	" " "	7B
B-18	Hunts Falls	July 16, 1911	7B
B-19	" " - different view	" " "	7B
B-20	" " " "	" " "	7B
B-21	" " " "	" " "	7B
B-22	" " " "	" " "	7B
B-23	" " " "	" " "	7B

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No.	Description	Date	Copy in Bk. No.
B-24	Hunts Falls	July 16, 1911	7B
B-25	" " - different view	" " "	7B
B-26	" " " "	" " "	7B
B-27	Wicassee Dam	" 18, "	7B
B-28	" " - different view	" " "	7B
B-29	Hunts Falls, above rapids	" 21, "	7B
B-30	" " " " - different view	" " "	7B
B-31	Same as #B-29 (no negative)	" " "	7B
B-32	Lower Rattucket Canal	Oct. 1, 1911	7B
B-33	" " " - different view	" " "	7B
B-34	" " " " "	" " "	7B
B-35	" " " " "	" " "	7B
B-36	Rattucket Canal above "Red Bridge"	June 16, 1912	7B
B-37	" " near " "	" " "	7B
B-38	" " looking upstream from "Red Bridge"	" " "	7B
B-39	" " looking downstream from "Broadway Bridge"	" 23, "	7B
B-40	" " looking downstream from abt. 75' below "Broadway Bridge"	" " "	7B
B-41	" " looking upstream from "Red Bridge"	" " "	7B
B-42	Hunts Falls	July 7, 1912	7B
B-43	" " - different view	" " "	7B
B-44	" " " "	" " "	7B
B-45	" " " "	" " "	7B
B-46	" " " "	" " "	7B
B-47	" " " "	" " "	7B

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No.	Description	Date	Copy in Bk. No.
B-48	Hmts Falls	July 7, 1912	7B
B-49	" " - different view	" " "	7B
B-50	" " " " (2 negatives)	" 21, "	7B
B-51	" " " " " "	" " "	7B
B-52	" " " " " "	" " "	7B
B-53	" " " " " "	" " "	7B
B-54	" " " " " "	" 23, "	7B
B-55	" " " " " "	" " "	7B
B-56	" " " " " "	" " "	7B
B-57	" " " " " "	" " "	7B
B-58	" " " " " "	" " "	7B
B-59	" " from south bank	" 30, "	7B
B-60	" " " " " "	" " "	7B
B-61	" " " " " "	" " "	7B
B-62	" " from sidewalk on Stackpole St.	" " "	7B
B-63	" " " bluff just below sewer - south bank	" " "	7B
B-64	" " " Stackpole Street	Aug. 10, 1912	7B
B-65	" " " " " "	" " "	7B
B-66	" " " " " "	" " "	7B
B-67	" " " " " "	" " "	7B
B-68	" " " " " "	" " "	7B
B-69	" " " " " "	" " "	7B
B-70	" " " " " "	" " "	7B
B-71	" " " " " "	" " "	7B
B-72	Bigelow Carpet Co.'s Rack, Merrimack Canal	" 11, "	7B

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No.	Description	Date	Copy in Bk. No.
C-2	View from point near N. Pier of Central Bridge	Sept. 15, 1912	7B
C-3	Hunts Falls	" " "	7B
C-4	" " - different view	" " "	7B
C-5	" " " "	" " "	7B
C-6	" " " "	" " "	7B
C-7	Ice Boom - Merrimack Canal at Moody St. Feeder Gate House	Built summer 1912	7B
C-8	Blank		
C-9	"		
C-10	School St. after abolition of grade crossing	Nov. 18, 1912	7B
C-11	" " " " " " " "	" " "	7B
C-12	" " " " " " " "	" " "	7B
C-13	L. & C. House No. 385 School Street	" " "	7B
C-14	" " " " " " " "	" " "	7B
C-15	School St. after abolition of grade crossing	" " "	7B
C-16	Moody St. bridge being reconstructed by City of Lowell	Oct.-Nov. 1913	7B
C-17	Moody St. Bridge being reconstructed by city of Lowell (no negative)	" " "	7B
C-18	Outlet of Lawrence Wasteway	Dec. 13, 1913	7B
C-19	Looking up Lawrence Wasteway	" " "	7B
C-20	Rawtucket Canal just above N. & L. R.R. Bridge	" 14, "	7B
C-21	Lower Rawtucket Canal	" " "	7B
C-22	" " " "	" " "	7B
C-23	" " " - different view	" " "	7B

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No.	Description	Date	Copy in Bk. No.
I	Flowers sent to Mr. Francis' Funeral by L. & C.		
II	Merrimack Mfg. Co. - Water wheels.		
III	Rawtucket Canal wall at Jackson St. Depot		
IV	Hunts Falls, Lowell, Mass.	(about 1895 or 1896)	
V	Reconstructed Gates, entrance Hamilton Canal		
VI	Wall of Northern Canal Gate House		
VII	Lower Canal just below Central St. Bridge		
VIII	River below Rawtucket Dam		
IX	Scenes on Clay Pit Brook		
X	" " " " "		
XI	Lower Canal back of Hamilton & Appleton		
XII	Lower Locks		
XIII	" "		
XIV	Lower Rawtucket Canal at Lower Locks		
XV	Reservoir		
XVI	Lower Rawtucket Canal at Lower Locks		
XVII	Canal back of Hamilton and Appleton		
XVIII	Lower Canal back of Hamilton & Appleton		
XIX	Two Water wheels		
XX	Ayer Home		
XXI	" "		
XXII	"When Roosevelt visited Lowell"		
XXIII	" " " "		
XXIV	Office employees of L. & C.		
XXV	Coil of hose		

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No.	Description	Date	Copy in Bk. No.
XXVI	Wall on upper level Pawtucket Canal		
XXVII	Lower Canal above Central St. Bridge		
XXVIII	Pawtucket Canal above Old Guard Locks		
XXIX	Experiment Flume at Swamp Locks		
XXX	Central Bridge Flood	Apr. 1895	
XXXI	Merrimack Mfg. Co.	July 20, 1896	
XXXII	Pictures of Hunts Falls	Oct. 30, 1897	
XXXIII	Fort Hill Park from Fairmount St.	May 8, 1898	
XXXIV	3 prints L. & C. gages at Plymouth	Oct. 18, 1899	
XXXV	Mass. Cotton Mills	Aug. 8, 1909	
XXXVI	Pawtucket Dam freshet 1900	1900	
XXXVII	Colonial Ave. from Riverside St.	Mar. 12, 1900	
XXXVIII	Lower End Hamilton Canal		
XXXIX	Hunts Falls from Stackpole St.		
XL	Lower end Hamilton Canal		
XLI	Hamilton Gates		
XLII	Gate House Old Guard Locks		
XLIII	Pawtucket Dam		
XLIV	Pipe Tests (Friction loss tests)		
XLV	Pawtucket Dam at Freshet Height		
XLVI	School St. Bridge		
XLVII	Northern Canal looking towards Suffolk Street		
XLVIII	Market St. from Shattuck St.	July 25, 1900	
XLIX	Lawrence Canal at Office	Aug. 12, 1900	
L	North Wall Pawtucket Canal, below Central St.	1901	
LI	River above Pawtucket Dam Freshet 1901	"	

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No.	Description	Date	Copy in Bk. No.
LII	Freshet 1901 at Pawtucket Dam	Apr. 9, 1901	
LIII	Pier of Moody St. Bridge, freshet of 1901	" " "	
LIV	Freshet 1901 at Pawtucket Dam	" " "	
LV	Freshet 1901 at Pawtucket Dam	" " "	
LVI	Three scenes on Northern Canal	" " "	
LVII	Old Guard Locks	Nov. 16, 1902	
LVIII	" " " and sluices	" 2 & 16, 1902	
LIX	Fire at Merrimack M. Co.	July 18, 1903	
LX	Appleton-New-wheel		
LX	Merrimack River from Mass. Cotton Mills	Dec. 25, 1904	
LXI	100' above 4-5-6 Lawrence M. Co.	Aug. 29, 1909	
LXII	Swamp Locks experimental pipe	1914	
LXIII	Alden Dynamometer in Saco-Lowell Testing Flume	Apr. 26, 1915	
LXIV	Waste Gates in Wall Northern Canal, from Merrimack River	June 4, 1915	
LXVI	Break in Dam	July 22, 1915	
LXVII	" " "	" " "	
LXVIII	Pawtucket Dam & Bridge		
LXIX	" "		
LXX	Break in Dam	" " "	
LXXI	Pawtucket Canal rear Davis & Sargent's	" 18, 1915	
LXXII	" "	" " "	
LXXIII	Current Meter measuring station Lower End Hamilton Canal	" " "	
LXXIV	Waste Gates Hamilton Canal	" " "	
LXXV	One of the two foot bridges for measuring flume Merrimack Canal (2negatives)	July 27, 1915	
LXXVI	Bigelow-Hartford Carpet Co. Rack, Merrimack Canal	Feb. 29, 1916.	

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No.	Description	Date	Copy in Bk. No.
LXXVII	Lunch Cart corner Merrimack & Suffolk Sts.	May 16, 1918	
LXXVIII	Sanitary Built over Hamilton Canal without L. & C. consent	" "	
LXXIX	Rawtucket Bridge (negative in Box #10)	July 31, 1915	
LXXX	Boott Dam " " " "		
LXXXI	Eastern Canal from Boott Dam " "		
LXXXII	Boott Dam from Eastern Canal " "		
LXXXIII	Break in Rawtucket Dam " " (2 negatives)	1915	
LXXXIV	Picture of Col. Francis sitting at his desk (negative in Box #10)		
LXXXV	Mass. Cotton Mills - discharge of wheels #2A, 2B & 2C prs. of 48" type C Hercules wheels installed 1910 (Box 10)		
LXXXVI	Hamilton Mfg. Co. discharge of wheels #9 & 10 #9 - 121" Boyden, #10- 120" Boyden, in use from Apr. 1, 1894		
LXXXVII	Hamilton Mfg. Co. discharge of wheel #3, 72" Swain in use from October 1, 1894.		
LXXXVIII	Tremont & Suffolk Mills, Law. Sect. discharge of wheels #3 & 4 - R.H. 54" Hercules, in use from Nov. 13, 1896		

No.	Description	Date	Copy in Bk. No.
1667A	Broadway Bridge over Pawtucket Canal with sign	June 6, 1919	8
1668	High St. Church, Lowell, Mass.	April 29, 1919	8
1668A	Prescott Power House - Completed	June 6, 1919	8
1669	Eastern Canal work along Canal St.	June 15, 1919	8
1669A	Hamilton new No. 7 Mill, Lower Pawtucket Canal	June 21, 1919	8
1670	Same as above, different view	June 21, 1919	8
1670A	Same as above, different view	June 21, 1919	8
1671	Victory Gardens on L. & C. Land	June 25, 1919	8
1671A	Victory Gardens on L. & C. Land	June 25, 1919	8
1672	Eastern Canal, rough bottom at Mass. Racks	July 6, 1919	8
1672A	End view of the Old Dillon Wall	July 20, 1919	8
1673	Dillon Wall - work rebuilding	Aug. 5, 1919	8
1673A	Dillon Wall - rebuilding the	Aug. 19, 1919	8
1674	" " " "	Aug. 19, 1919	8
1674A	Looking up Eastern Canal from Massachusetts Counting Room Bridge	Aug. 24, 1919	8
1675	Nearly same view as above	Aug. 24, 1919	8
1675A	Eastern Canal looking down under bridge	Aug. 24, 1919	8
1676	View of Lowell on East Merrimack St.	Aug. 27, 1919	8
1676A	View on Brown St. showing old brick house	Aug. 27, 1919	8
1677	Dillon Wall - completed	Sept. 24, 1919	8
1677A	Same as above - different view	" " "	8
1678	Fletcher St. Bridge -rebuilt of steel and concrete - finished - Sept. 8, 1919.	" 25, 1919	8
1678A	Prescott Hydro-Elec. Plant, 33" R.H. Type D	" " "	8

No.	Description	Date	Copy in Bk. No.
1679	Eastern Canal looking up	Sept. 28, 1919	8
1679A	Eastern Canal looking down	" " "	8
1680	Eastern Canal from under bridge	" " "	8
1680A	20" Main under Hamilton New Mill	" " "	8
1681	Northern Canal Wall along Ford St.	Oct. 5, 1919	8
1681A	" " " " " "	" " "	8
1682	"Jenny Lind Block" cor. Dummer St. & Broadway	" 6, 1919	8
1682A	Broadway Bridge - rebuilding over Pawtucket Canal	" 10, "	8
1683	Hamilton Hydro-Elec. No. 9 - 39" L.H. Leffel wheel	" 17, 1919	8
1683A	Northern Canal wall from Cabot St.	Nov. 16, 1919	8
1684	Northern Canal wall from Suffolk St.	Nov. 23, 1919	8
1684A	Eastern Canal looking downstream from Merrimack St.	Nov. 16, 1919	8
1685	Eastern Canal from Massachusetts Mill No. 8	" " "	8
1685-A	Saco-Lowell Shops No. 5 Hydro-Elec. plant	" 17, "	8
1686	Pump at Prescott Mill	Nov. 20, 1919	8
1686A	East Bank of Pawtucket Canal, just below Pawtucket Street	" " "	8
1687	West Bank of Pawtucket Canal, above Old Guard Locks	" " "	8
1687A	Broadway Bridge completed	" " "	8
1688	Boott No. 1, 45" R.H. Allis-Chalmers turbine	" " "	8
1688A	Eastern Canal along Canal St.	Nov. 23, 1919	8
1689	" " " " "	" " "	8
1689A	" " " " "	" " "	8

No.	Description	Date	Book No.
1690	Merrimack No. 9, Allis-Chalmers 50" R.H. Type 15	Dec. 1, 1919	8
1690A	Tremont No. 3, Morgan-Smith 40.8" R. H. Type S	Dec. 3, 1919	8
1691	Tremont & Suffolk -- New No. 4 (5x8) Morgan-Smith 44" R.H. Type S	Dec. 3, 1919	8
1691A	" " " "	" " "	8
1692	Dillon Wall completed	Jan. 9, 1920	8
1692A	Dillon Wall and Building fully restored and Prescott New Wall	" " "	8
1693	Locks and Canals Carpenter Shop (inside)	Dec. 15, 1919	8
1693A	Cross-section of Unit No. 9, Hamilton Mfg. Co. Dec.	1919	8
1694	Cross-section of Unit No. 1 at Boott Mills	Jan. 1920	8
1694A	Shifting engine recently acquired by B. & M. R. R.	Feb. 11, 1920	8
1695	Removing ice in L. & G. Reservoir	Mar. 2, 1920	8
1695A	Flood Heights on Pawtucket Dam	March 1920	8
1696	Landslide on First Street due to cutting of new boulevard	Mar. 16, 1920	8
1696A	Land starting to slide on First St.	Mar. 16, 1920	8
1697	Flood Heights at Boott River Gauge	March 1920	8
1697A	Pawtucket Dam, Water at 86.0	March 31, 1920	8
1698	Putting Flashboards on Pawtucket Dam Water at 83.70	April 12, 1920	8
1698A	Bridge #331 about to be rebuilt by B&M	April 18, 1920	8
1699	" " " " " "	" " "	8
1699A	Bridge #331 finished	May 11, 1920	8
1700	" " " "	" " "	8
1700A	High Bridge over Northern Canal being rebuilt	May 27, 1920	8
1701	" " " " " "	" " "	8

No.	Description	Date	Book No.
1701A	High Bridge showing new South abutment	May 27, 1920	8
1702	Friction Test on 24" Pipe, 3" nozzle 500 G. P. M.	May 28, 1920	8
1702A	Same as 1702 but with 3" nozzle wide open	" " "	8
1703	" " " " " 5" " " "	" " "	8
1703A	High Bridge; South Abutment ready for new girders	June 24, 1920	8
1704	High Bridge; North Abutment & Middle pier	" " "	8
1704A	Merrimack River Bed below waste-gates looking downstream	July 1, 1920	8
1705	M " " " looking east	" " "	8
1705A	" " " " upstream	" " "	8
1706	Condition on L. & C land near city landing	July 7, 1920	8
1706A	Line between Barber Mfg. Co. and P. L. & C.	July 7, 1920	8
1707	High Bridge; placing last girder	July 20, 1920	8
1707A	Central St. Bridge; H.M.S.Ry.Co. men making repairs	July 29, 1920	8
1708	High Bridge; placing forms for concrete	Aug. 9, 1920	8
1708A	High Bridge; showing reinforcing	Sept. 3, 1920	8
1709	Tablet placed by P. L. & C. on Brewery Bridge	Sept. 20, 1920	8
1709A	Debris near upper lock at Swamp Locks	Sept. 20, 1920	8
1710	Same as above (different view)	" " "	8
1710A	Central St. Bridge; H.M.S.Ry.Co. men renewing tie rods L. & C. men renewing plank outside tracks	Sept. 21, 1920	8
1711	Old Guard Locks; Gatehouse interior Hydraulic lifts installed in 1870	Oct. 20, 1920	8
1711A	High Bridge; rebuilt in summer of 1920 of steel and concrete by P. L.&C.	Oct. 22, 1920	8
1712	" " " " " " "	Oct. 22, 1920	8
1712A	" " " " " " "	" " "	8

No.	Description	Date	Book No.
1713	Northern Canal wall along Cheever St.	Oct. 24, 1920	8
1713A	" " " " " "	" " "	8
1714	" " " " " "	" " "	8
1714A	Northern Canal Gatehouse interior built in 1847	Oct. 26, 1920	8
1715	L. & C. land between Broadway and Red Bridge	Oct. 26, 1920	8
1715A	" " " " " "	" " "	8
1716	L. & C. 12" pipe laid over penstock of #6 & #7 turbines at Hamilton Mfg. Co.	Nov. 4, 1920	8
1716A	Hamilton Mfg. Co. #6 & #7	" " "	8
1717	Looking down Black Brook from bank near carbarns on Middlesex Street Water 87.74 at 10:35 A. M.	Nov. 5, 1920	8
1717A	Looking up Stony Brook from R. R. track Water at 87.69 at 11:05 A. M.	" " "	8
1718	Looking up Deep (or Swain) brook from road near R. R. track. Water 87.69 at 11:30AM	" "	8
1718A	Looking down Bridgmeadow (or Flint) brook from foot of hill in rear of mill Water at 88.02 at 12:06 P. M.	Nov. 5, 1920	8
1719	Looking up Howard (or Washburn's) brook from bank at point a short distance upstream from R. R. track.	" "	8
1719A	Looking up Salmon brook from R. R. track near American Box and Lumber Company Water at 88.60 at 1:16 p. m.	" "	8
1720	Looking down Nashua River from south abutment of R. R. bridge. Water at 89.03 at 1:45 P. M.	Nov. 5, 1920	8
1720A	Looking up Pennichuk brook from R. R. t rack. Water at 89.99 at 3:28 P. M.	" " "	8
1721	L. & C. passageway along Merrimack Canal showing debris placed there by S. L. S.	Nov. 9, 1920	8
1721A	S. L. Shops foundry yard showing pile of iron junk over L. & C. gate valve on 12" main	Nov. 9, 1920	8
1722	Hamilton Mfg. Co. #6 & #7 penstock scroll Leffelwheels 45" Type Z	Nov. 13, 1920	8

No.	Description	Date	Book No.
1722A	Hamilton Mfg. Co. #7 penstock scroll Leffel wheels 45" Type Z	Nov. 13, 1920	8
1723	Merrimack Canal at Saco-Lowell Shops New concrete facing of wall and new pier under R. R. Bridge built this year	Nov. 14, 1920	8
1723A	Wall being built on west side of Pawtucket Canal near Broadway	Nov. 14, 1920	8
1724	Saco-Lowell Shops foundry yard showing pile of iron junk over I&C gate valve on 12" and 16" main placed by S. L. S.	Nov. 15, 1920	8
1724A	Hamilton Mfg. Co. New penstocks for #6 & #7 turbines. This date the temporary built- head broke and let in the water.	Nov. 18, 1920	8
1725	Flaggy Meadow brook from Pawtucket boulevard Water 88.09 at 12:17 P. M.	Nov. 26, 1920	8
1725A	Locking up Clay Pit brook from Pawtucket boulevard. Water 88.08 at 12.07 P. M.	Nov. 26, 1920	8
1726	Scarlet brook from boulevard. 88.13 at 10:40	Nov. 26, 1920	8
1726A	Lawrence brook from point near boulevard Water 88.37 at 10:14 A. M.	Nov. 26, 1920	8
1727	Musquash Brook from point near river. Water 88.49 at 9:36 A.M.	Nov. 26, 1920	8
1727A	Musquash brook 200 yards from river. Water 88.49 at 9:36 A.M.	Nov. 26, 1920	8
1728	Black Brook from Middlesex St. Water 88.15 at 9:09 A.M.	Nov. 26, 1920	8
1728A	Pawtucket Canal wall, west side immediately below Broadway.	Nov. 24, 1920	8
1729	Waste at Swamp Locks dam.	Nov. 29, 1920	8
1729A	New overhead bridge between Appleton's #1 and #6 mills.	Nov. 29, 1920	8
1730	Hamilton Mfg. Co.'s New 4 and 5 wheels inplace	Nov. 30, 1920	8
1730A	Hamilton Mfg. Co.'s #5 wheel in place	Nov. 30, 1920	8
1731	L & C Milwaukee mixer in operation	Dec. 8, 1920	8
1731A	Wall being built on west side of Pawtucket Canal near Broadway	Dec. 8, 1920	8

No.	Description	Date	Book No.
1732	Northern Canal wall along Cheever St.	Dec. 10, 1920	8
1732A	" " " " " "	" " "	8
1733	Northern Canal wall - Gagnon Building showing ends of three supports put under building by L. & C.	Dec. 20, 1920	8
1733A	Removing Bridge #333 over Merrimack Canal through Saco-Lowell yard.	Dec. 21, 1920	8
1734	Pawtucket Canal wall - West side immediately below Broadway being built	Jan. 22, 1921	8
1734A	Copy of Insurance Co.'s plan of Boott yard	Feb. 4, 1921	8
1735	" " " " " " " " " " "	" " "	8
1735A	Mass. Mills new #12 turbine being installed	Feb. 11, 1921	8
1736	" " " " " concrete penstock	" " "	8
1736A	Mass. Mills new #12 S. Morgan Smith 46 $\frac{1}{8}$ " Type S turbine	March 1, 1921	8
1737	Looking up one of penstock tunnels of Mass. #12 turbine	" " "	8
1737A	Diagram of expenditures - City of Lowell	March 1921	8
1738	Middle gate at Swamp Locks	March 30, 1921	8
1738A	Looking down Western Canal from Broadway	Apr. 3, 1921	8
1739	Looking up Western Canal from curve in rear of L. & C.	Apr. 3, 1921	8
1739A	Western Canal at bend in rear of L. & C. blacksmith shop	Apr. 3, 1921	8
1740	Looking down Western Canal from curve near L. & C. tool house	Apr. 3, 1921	8
1740A	Western Canal in rear of buildings, Nos. 25 - 65 Suffolk St.	Apr. 10, 1921	8
1741	Western Canal in rear of buildings, Nos. 61 - 89 Suffolk St.	Apr. 10, 1921	8
1741A	Western Canal in rear of buildings, Nos. 133 - 173 Suffolk St.	Apr. 10, 1921	8
1742	Western Canal in rear of buildings at corner of Suffolk and Broadway	Apr. 10, 1921	8
1742A	Western Canal in rear of buildings, Nos. 87 - 107 Suffolk St.	May 1, 1921	8

No.	Description	Date	Book No.
1743	Central St. Bridge showing defects in paving between tracks	Apr. 27, 1921	8
1743A	" " " " looking south	" " "	8
1743X	Pawtucket Canal wall being built on west side below Broadway from R. R. Bridge	May 15, 1921	8
1743AK	" " " " " "	" " "	8
1744	" " " " " "	" " "	8
1744A	BLANK		
1745	L. & G. Bridge St. bridge	" " "	8
1745A	Western Canal after cleaning out	June 19, 1921	8
1746	" " " " "	" " "	8
1746A	" " " " "	" " "	8
1747	" " " " "	" " "	8
1747A	New paddlegates at Swamp Locks	June 25, 1921	8
1748	Pawtucket Canal wall on west side below Broadway just completed	June 26, 1921	8
1748A	Northern Canal wall being rebuilt	July 11, 1921	8
1749	Concord River from E. Merrimack St. bridge looking downstream	July 11, 1921	8
1749A	Northern Canal - north wall looking upstream from Aiken St. bridge	July 17, 1921	8
1750	" " " " " "	" " "	8
1750A	Repairs to north wall of Northern Canal under building of Gagnon and Boissoneault	July 17, 1921	8
1751	" " " " General view	" " "	8
1751A	Merrimack Canal - Bigelow Carpet wall	" " "	8
1752	" " " " "	" " "	8
1752A	Looking down Concord River from E. Merrimack	" " "	8
1753	Rainfall diagram	July 23, 1921	8
1753A	Merrimack Canal - Bigelow wall completed	July 24, 1921	8
1754	Merrimack Canal from Merrimack St. bridge	July 26, 1921	8
1754A			

No.	Description	Date	Book No.
1754A	Northern Canal - Repairs being made to north wall opposite Tucker St.	July 27, 1921	8
1755	" " " " " just above Aiken St.	* * * Aug. 10, 1921	8
1755A	Repairs on Merrimack Canal wall near Card building	Aug. 14, 1921	8
1756	Concord River from E. Merrimack St.	Aug. 14, 1921	8
1756A	Repairs to Northern Canal wall - north side just above Aiken St.	Aug. 21, 1921	8
1757	Lake Winnepesaukee diagram	August, 1921	8
1757A	Northern Canal wall under Joseph Albert's	Sept. 10, 1921	8
1758	" " " " "	" " "	8
1758A	Map of New England	September 1921	8
1759	School St. Bridge over Pawtucket Canal built by R. R. and City in 1912	September 12, 1921	8
1759A	Concord River from E. Merrimack St.	Sept. 18, 1921	8
1760	Merrimack Canal - new wall just built on east side near card building	Sept. 20, 1921	8
1760A	Pawtucket Canal - new wall below Broadway	Sept. 24, 1921	8
1761	Pawtucket Canal from Red Bridge downstream	Sept. 24, 1921	8
1761A	Merrimack River in rear of Boott Mills	Sept. 30, 1921	8
1762	" " " " "	" " "	8
1762A	Amoskeag Mfg. Co. - Outlets of draft tubes	Sept. 29, 1921	8
1763	" " " New Dam	" " "	8
1763A	" " " New power plant Placing IXX Turbine	" " "	8
1764	" " " Inlets of perstocks	" " "	8
1764A	" " " Freight track entrance	" " "	8
1765	" " " Downstream side of wheel house	" " "	8
1765A	" " " New dam and powerhouse	" " "	8
1766	" " " Outlets of draft tubes	" " "	8

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3 Doz. Insurance Mill Yard Plans, No Prints in Books

No.	Description	Date	Book No.
1766A	Amoskeag Mfg. Co. - New dam, east abutment	Sept. 29, 1921	8
1767	" " " " " looking west	" " "	8
1767A	" " " " " east abutment	" " "	8
1768	" " " " " upstream side	" " "	8
1868A	" " " Outlet of draft tube	" " "	8
1769	" " " Inlets to penstocks	" " "	8
1769A	" " " Facade, penstock inlets	" " "	8
1770	Merrimack River from top of Merrimack Mfg. Co.'s Mills#6	Sept. 30, 1921	8
1770A	Fishway at Pawtucket Dam under construction	Oct. 21, 1921	8
1771	" " " " " " "	" " "	8
1771A	View of Lot #106, called "Frye Lot"	" " "	8
1772	" " " " " " "	" " "	8
1772A	" " " " " " "	" " "	8
1773	" " " " " " "	" " "	8
1773A	Fishway at Pawtucket Dam, just completed	Nov. 7, 1921	8
1774	" " " " " " "	" " "	8
1774A	" " " " " " "	" " "	8
1775	" " " " " " "	" " "	8
1775A	" " " " " " "	" " "	8
1776	" " " " " " "	" " "	8
1776A	" " " " " " "	" " "	8
1777	" " " " " " "	" " "	8
1777A	Vacant land of L. & C. on northeast side of Cheever St.	Nov. 16, 1921	8
1778	Stump pulled out of canal above gates at Old Guard Locks	" " "	8
1778A	Merrimack River from top of Mass. boilerhouse	Nov. 22, 1921	8
1779	Hunt's Falls from Stackpole St.	" " "	8
1779A	Diagram showing heights on Pawtucket Dam	Nov. 29, 1921	8

No.	Description	Date	Book No.
1780	Diagram of heights on Pawtucket Dam - 4th quarter	Nov. 29, 1921	8
1780A	#12 Unit at Massachusetts Cotton Mills	Nov. 30, 1921	8
1781	New steel boom at Lower Locks - just finished	Nov. 27, 1921	8
1781A	Trees at L. & C. Reservoir damaged by ice storm	Dec. 7, 1921	8
1782	" " " " " "	" " "	8
1782A	Trees above Old Guard Locks damaged by storm	" " "	8
1783	Northern Canal from School St.	Dec. 19, 1921	8
1783A	Northern Canal from Suffolk St.	" " "	8
1784	Lawrence Canal near Lawrence dam	" " "	8
1785A	Western Canal from Market St.	" " "	8
1784A	Western Canal from Moody St.	" " "	8
1785A	Pawtucket Canal from Pawtucket St.	" " "	8
1786	" " " School St.	" " "	8
1786A	" " " N. & L. R. R. Bridge	" " "	8
1787	" " " " "	" " "	8
1787A	Hamilton Canal from Saco-Lowell Bridge	" " "	8
1788	Hamilton Canal from Counting-Room bridge	" " "	8
1788A	Eastern Canal from Strand Theatre	" " "	8
1789	Eastern Canal from Mass. Counting-Room bridge	" " "	8
1789A	Boott Canal from Bridge St.	" " "	8
1790	Merrimack Canal from Saco-Lowell bridge	" " "	8
1790A	Merrimack Canal from Merrimack St.	" " "	8
1791	U. A. Boyden's first turbine A. D. 1844	Dec. 29, 1921	8
1791A	Uriah Atherton Boyden	Jan. 16, 1921	8
1792	View of land in rear of Merrimack Mfg. Co. from across river	Jan. 27, 1922	8
1792A	Model of "Lakin" waterwheel	Jan. 27, 1922	8
1793	" " " " runner	" " "	8

No.	Description	Date	Book No.
1793A	Lam in rear of Merrimack Mfg. Co.	Feb. 5, 1922	8
1794	Model of "Lakin" wheel set up in laboratory	Feb. 20, 1922	8
1794A	Upper lock at Swamp Locks	Feb. 21, 1922	8
1795	Discharge of paddle gates of middle locking gate at Swamp Locks	Feb. 24, 1922	8
1795A	Boott Mills - Brass plate on #1 unit	Feb. 28, 1922	8
1796	Table showing current meter readings Exp. by F. Nagler & H. H. Brown	Mar. 2, 1922	8
1796A	" " " "	Mar. 2, 1922	8
1797	Plans of different current meters	Mar. 3, 1922	8
1797A	" " "	Mar. 3, 1922	8
1798	Cross-section drawing of Merrimack #9 unit	Mar. 6, 1922	8
1798A	" " Massachusetts #12 unit	Mar. 6, 1922	8
1799	Swamp Locks - Old power flume	Mar. 16, 1922	8
1799A	Old Highland Light locomotive 11-14-67	Mar. 24, 1922	8
1800	Boott Mills from Front St.	Apr. 7, 1922	8
1801	" " "	Apr. 7, 1922	8
1801A	BLANK		
1802	Repair cleat on School St. bridge over canal	Apr. 10, 1922	8
1803	Seating plan of St. Anne's Church	Apr. 14, 1922	8
1804	Amoskeag Co.'s new dam and powerhouse	Apr. 21, 1922	8
1805	" " " "	Apr. 21, 1922	8
1806	" " " "	Apr. 21, 1922	8
1807	" " interior of powerhouse showing runners	Apr. 21, 1922	8
1808	" " new powerhouse	Apr. 21, 1922	8
1809	" " new dam	Apr. 21, 1922	8
1810	" " New powerhouse from rear	Apr. 21, 1922	8
1811	Tailwater from Amoskeag new powerhouse	Apr. 21, 1922	
1812	New dam and powerhouse looking upstream	Apr. 21, 1922	

No.	Description	Date	Book No.
1813	Boott Mills - layout for new 1700 HP unit	Apr. 22, 1922	9
1814	Pawtucket Canal - west wall below Broadway	Apr. 26, 1922	9
1815	" " " " "	Apr. 26, 1922	9
1816	Boyden Turbine Model by U. A. Boyden	May 11, 1922	9
1817	L. & C. Land back of new wall near Red bridge being filled and graded	May 18, 1922	9
1818	New wall being built below Red bridge "	May 18, 1922	9
1819	BLANK		
1820	Central St. Bridge - Making pre-cast concrete slabs - forms ready for pouring concrete	June 17, 1922	9
1821	" " " " "	June 17, 1922	9
1822	Old Truax waterwheel	June 1922	9
1823	Rebuilding Central St. Bridge 11:00 AM.	July 16, 1922	9
1824	" " " 1:30 PM.	July 16, 1922	9
1825	" " " 1:10 PM.	July 16, 1922	9
1826A	" " " "	July 16, 1922	9
1826	" " " "	July 16, 1922	9
1827	" " " 11:00 AM.	July 18, 1922	9
1828	" " " 11:00 AM.	July 18, 1922	9
1829	" " " 5:00 PM.	July 23, 1922	9
1830	" " " Finished	July 31, 1922	9
1831	Western Canal - Repairs to wall under Ryan building	Aug. 10, 1922	9
1832	New Pawtucket Canal above School St.	Aug. 13, 1922	9
1833	" " " " "	Aug. 20, 1922	9
1834	Boott Mills - Beginning work on new unit	Aug. 31, 1922	9
1835	" " Second week of work	Sept. 9, 1922	9
1836	C.M.A.C. Clubhouse, 103 Pawtucket St.	Sept. 11, 1922	9
1837	" " " "	Sept. 11, 1922	9

No.	Description	Date	Book No.
1838	Boott Mills - Removing old masonry for new unit	Sept. 14, 1922	9
1839	" " Cofferdam and pumped-out pit	Sept. 14, 1922	9
1840	First St. Boulevard - work at culverts over pipes	Sept. 15, 1922	9
1841	" " " " "	Sept. 15, 1922	9
1842	" " " " "	Sept. 15, 1922	9
1843	" " " " "	Sept. 15, 1922	9
1844	Boott Mills - Removing old masonry for new unit	Sept. 19, 1922	9
1845	" " " " "	Sept. 19, 1922	9
1846	First St. - work at culverts over city pipes	Sept. 19, 1922	9
1847	" " " " "	Sept. 19, 1922	9
1848	Boott Mills - Work on new unit	Sept. 26, 1922	9
1849	" " "	Sept. 26, 1922	9
1850	" " "	Sept. 28, 1922	9
1851	Amoskeag Co.'s new sut dam and power plant	Sept. 29, 1922	9
1852	" " New dam	Sept. 29, 1922	9
1853	" " Powerho use - excavating channel below tailraces	Sept. 29, 1922	9
1854	" " looking downstream below tailraces	Sept. 29, 1922	9
1855	" " excavating channel below tailraces	Sept. 29, 1922	9
1856	" " area below powerhouse	Sept. 29, 1922	9
1857	" " looking downstream from powerhouse	Sept. 29, 1922	9
1858	" " new powerhouse	Sept. 29, 1922	9
1859	" " "	Sept. 29, 1922	9
1860	Boott Mills - New 1700 HP unit	Oct. 4, 1922	9
1861	" " " "	Oct. 4, 1922	9
1862	School St. Bridge - New boards in fence	Oct. 5, 1922	9
1863	" "	Oct. 5, 1922	9
1864	Boott Mills - New unit	Oct. 13, 1922	9
1865	School St. bridge over tracks showing break in fence	Oct. 16, 1922	9

No.	Description	Date	Book No.
1866	Fence on northerly wall of Pawtucket Canal below School St. maintained by B. & M.	Oct. 16, 1922	9
1867	Boott Mills - New unit	Oct. 19, 1922	9
1868	" "	Oct. 19, 1922	9
1869	" "	Oct. 21, 1922	9
1870	" "	Oct. 21, 1922	9
1871	New wall being built above School St.	Oct. 22, 1922	9
1872	Form for draft tube for new Boott unit	Oct. 26, 1922	9
1873	Boott Mills - new unit, draft tube form placed	Oct. 27, 1922	9
1874	" " " "	Oct. 27, 1922	9
1875	" showing reinforcing around tube	Oct. 31, 1922	9
1876	" " " "	Oct. 31, 1922	9
1877	" " " "	Oct. 31, 1922	9
1878	" " " "	Oct. 31, 1922	9
1879	" showing forms along river front	Nov. 8, 1922	9
1880	" inside of wheel-pit, during work	Nov. 11, 1922	9
1881	" general view of outside	Nov. 11, 1922	9
1882	" mouth of penstock, during construction	Nov. 11, 1922	9
1883	Riprap along bank of First St. boulevard	Nov. 21, 1922	9
1883B	" " " "	Nov. 21, 1922	9
1884	Boott Mills - Old 72" Swain wheels, #6 & #7	Nov. 18, 1922	9
1885	Experiment station at Swamp Locks	Nov. 27, 1922	9
1886	" " " "	Nov. 27, 1922	9
1887	" " " "	Nov. 27, 1922	9
1888	Boott Mills - Bird's-eye view showing form work over turbine	Dec. 4, 1922	9
1889	First St. boulevard - view of trench at city pipes	Sept. 22, 1922	9
1890	BLANK		

No.	Description	Date	Book No.
1891	Amoskeag Co.'s new gatehouse	Dec. 14, 1922	9
1892	" " hoisting apparatus - new gatehouse	Dec. 14, 1922	9
1893	" " Generating room	Dec. 14, 1922	9
1894	" " Battery of switches	Dec. 14, 1922	9
1895	" " showing #1 Unit γ 7500 HP	Dec. 14, 1922	9
1896	" " Main switchboard	Dec. 14, 1922	9
1897	" " Submarine cables leaving powerhouse	Dec. 14, 1922	9
1898	" " Showing shaft of #1 turbine	Dec. 14, 1922	9
1899	Water storage map of Merrimack River basin	Dec. 15, 1922	9
1900	Amoskeag Co. - river bed before improvements	Dec. 29, 1922	9
1901	" " " " " "	Dec. 29, 1922	9
1902	Boott Mills - View of outside - turbine being placed	Jan. 2, 1923	9
1903	" " γ 2" Allis-Chalmers turbine	Jan. 2, 1923	9
1904	" " " " " about to be turned over	Jan. 2, 1923	9
1905	" " Turbine runner ready to be lowered	Jan. 3, 1923	9
1906	" " " " " "	Jan. 3, 1923	9
1907	Amoskeag Co. - Typical section through one unit (Dam on Saco River)	Feb. 1, 1923	9
1908	Cumberland County Power Co./-Flashboard section Central Maine Power Co.- Skowhegan River dam	Feb. 6, 1923	9
1909	" " " " " "	Feb. 6, 1923	9
1910	Hamilton Mfg. Co. - #4 & #5 units, generators	Feb. 8, 1923	9
1911	" " " outside view of powerhouse	Feb. 8, 1923	9
1912	Columbia Textile Co. generator room	Feb. 9, 1923	9
1913	Boott Mills - #2 wheel room	Feb. 9, 1923	9
1914	" " general outside view of new unit	Feb. 9, 1923	9
1915	Merrimack Mfg. Co. - steam turbine room	Feb. 12, 1923	9
1916	" " Shafting, basement of #2 mill	Feb. 12, 1923	9
1917	Appleton Co. - #3 & #4 wheel room	Feb. 13, 1923	9

No.	Description	Date	Book No.
1918	Lawrence Section - Rope drive	Feb. 21, 1923	9
1919	Saco-Lowell - #4 Unit	" " "	9
1920	" " #3 "	" " "	9
1921	Fourth Street - Accumulation of Snow	" " "	9
1922	Third Street " " "	" " "	9
1923	Worthen Street " " "	" " "	9
1924	Middlesex Co. - #1 & #2 Turbines	Feb. 26, 1923	9
1925	Mass. Cotton Mills - Prescott Wheel Room	Feb. 28, 1923	9
1926	" " " Turbines #1,2,3	Mar. 1, 1923	9
1927	" " " Steam Turbines	Mar. 11, 1923	9
1928	" " " Section 8 Units	Mar. 2, 1923	9
1929	Prescott Powerhouse outside	Mar. 2, 1923	9
1930	Boott Mills - 1700 HP Unit	Mar. 2, 1923	9
1931	Seating plan of St. Anne's Church	Mar. 2, 1923	9
1932	Locomotive		
1933	"		
1934	Broadway - Accumulation of Snow	Mar. 9, 1923	9
1935	O'Connell Parkway " " "	Mar. 9, 1923	9
1936	Hamilton Mfg. Co. - #8 Unit (Old #10)	Mar. 22, 1923	9
1937	Boott Mills - Wheel and chamber of new unit	Mar. 21, 1923	9
1938	" " Wheel-pit and Draft Tube	Mar. 21, 1923	9
1939	" " REMoving coffer-dam	Mar. 23, 1923	9
1940	" " " " "	Mar. 23, 1923	9
1941	Eugene A. Clark	Mar. 25, 1923	9
1942	L. & C. Men putting on Flashboards	Mar. 28, 1923	9
1943	Anchor Ice in river above Pawtucket Dam	Mar. 29, 1923	9
1944	" " " " "	Mar. 29, 1923	9
1945	" " " " "	Mar. 29, 1923	9

No.	Description	Date	Book No.
1945	Mass. Cotton Mills dyehouse, croner down 12"	Mar. 30, 1923	9
1946	Lot 35-B, between Aiken and Tucker Sts.	Apr. 4, 1923	9
1947	Old Saco-Lowell cottage tenements on Worthen St.	Apr. 27, 1923	9
1948	" " " "	Apr. 27, 1923	9
1949	Old Saco-Lowell buildings on Dutton St.	Apr. 27, 1923	9
1950			
1951			
1952	L. & C. Truck and "Bill" Hibbard	Apr. 27, 1923	9
1953	Entrance to Pawtucket boulevard under water	May 1, 1923	9
1954	Claypit Brook overflows near Coburn farm	May 1, 1923	9
1955	Townsend Ave. from Varnum Ave.	May 1, 1923	9
1956	Claypit brook from jct. of Varnum and Townsend down	May 1, 1923	9
1957	Looking/Merrimack River from Tyngsboro bridge	May 1, 1923	9
1958	Nashua River from Highway Bridge	May 1, 1923	9
1959	" " "	May 1, 1923	9
1960	Looking up Merrimack river from C. C. Bridge	May 1, 1923	9
1961	" Down " " "	May 1, 1923	9
1962	Pawtucket dam Water at 90.10	May 1, 1923	9
1963	Rapids below Moody St. Bridge	May 1, 1923	9
1964	L. & C. Fences - Lower end of Stackpole St.	May 11, 1923	9
1965	" " " " "	May 11, 1923	9
1966	" " " " "	May 11, 1923	9
1967	" " " " opp. Alder St.	May 11, 1923	9
1968	" " Broadway	May 11, 1923	9
1969	" " Riverside St.	May 11, 1923	9
1970	" " "	May 11, 1923	9
1971	" " " cor. Colonial Ave.	May 11, 1923	9
1972	" " Front St.	May 11, 1923	9

No.	Description	Date	Book No.
1973	L. & C. Fences - Front St.	May 11, 1923	9
1974	Debris taken from canal at Old Guard Locks	May 11, 1923	9
1975	Passageway near Swamp Locks obstructed by S.L.S.	May 29, 1923	9
1975-B	" " " " "	May 29, 1923	9
1976	Lowell Fire System Tests - Fairmount St.	May 31, 1923	9
1977	" " " " "	May 31, 1923	9
1978	" " " " "	May 31, 1923	9
1979	" " " " "	May 31, 1923	9
1980	" " " " Belmont & Fairview Sts.	May 31, 1923	9
1981	" " " " " "	May 31, 1923	9
1982	Gang swimming in Pawtucket Canal at Red Bridge	July 13, 1923	9
1983	Lowell Fire System Tests - Belmont Ave. & Summit	May 31, 1923	9
1984	" " " " Beacon & Sixth Sts.	May 31, 1923	9
1984-A	" " " " " "	May 31, 1923	9
1985	" " " " " "	May 31, 1923	9
1986	" " " " " & Eleventh Sts.	May 31, 1923	9
1986-A	" " " " " "	May 31, 1923	9
1987	" " " " " "	May 31, 1923	9
1988			
1989	" " " Bridge St. & Eustis Ave.	May 31, 1923	9
1989-A	" " " " " "	May 31, 1923	9
1990	" " " " " "	May 31, 1923	9
1991	" " " " " "	May 31, 1923	9
1992	" " " " E. Meadow Road & Lamb St.	May 31, 1923	9
1993	" " " " " "	May 31, 1923	9
1994			
1995	Pair of ROse Wheels from Trull's Brook	Oct. 9, 1923	9
1996	Abbott Islands & "Indian Orchard"	June 11, 1923	9
1996-B	" " " " "	June 11, 1923	9

No.	Description	Date	Book No.
1997	Abbott Islands and Head of Lawrence Mill Pond	June 11, 1923	9
1998	Merrimack River from Hunt's Falls upstream	June 11, 1923	9
1999	Messrs. Mansur, Lundbohm and Kent	June 1, 1923	9
20000			
2001			
2002			
2003	Current Meter Measurement at Boott Mills	June 28, 1923	9
2004	" " " "	June 28, 1923	9
2005	Tail race of new Boott Unit during measurement	June 28, 1923	9
2006			
2007	Outlet of overflow sewer below Lower Locks dam	Aug. 15, 1923	9
2008	" " " "	Aug. 15, 1923	9
2009	Shacks on Western canal bank	Aug. 25, 1923	9
2010	" " " "	Aug. 25, 1923	9
2011	" " " "	Aug. 25, 1923	9
2012	De Laval Fire pump at Lawrence Mfg. Co.	Sept. 7, 1923	9
2013	Mass. Dyehouse - Work on Concord river wall	Sept. 6, 1923	9
2014	" " " "	Sept. 6, 1923	9
2015	" " " "	Sept. 6, 1923	9
2016	Outside of New Boott Powerhouse	Sept. 12, 1923	9
2017	Generator and Governor of New Boott Unit	Sept. 12, 1923	9
2018	Eastern Canal - Facing west wall	Sept. 23, 1923	9
2019	" " " "	Sept. 23, 1923	9
2020	" " " "	Sept. 23, 1923	9
2021			
2022	Mass. Cotton Mills - Protective paving along Concord river wall	Sept. 14, 1923	9
2023	" " " "	Sept. 14, 1923	9
2024	Indian Orchard - Not graded by Powers Bros.	Oct. 8, 1923	9

No.	Description	Date	Book No.
2025	De Laval pump at T. & S. Mills	Oct. 23, 1923	9
2026	Eastern Canal - facing west wall with concrete	Oct. 28, 1923	9
2027	" " "	Oct. 28, 1923	9
2028	" " "	Oct. 28, 1923	9
2029			
2030	Wall along C heever St. - Top recently rebuilt	Nov. 22, 1923	9
2031	" " " " "	Nov. 22, 1923	9
2032	" " " " "	Nov. 22, 1923	9
2033	New Hamilton Canal Ice-boom	Nov. 25, 1923	9
2034	Eastern Canal - facing west wall with concrete	Nov. 25, 1923	9
2035	New R.R. Track above School St. looking west	Dec. 17, 1923	9
2036	" " " " east	Dec. 17, 1923	10
2037	" below " " west	Dec. 17, 1923	10
2038	" " " " east	Dec. 17, 1923	10
2039	Accident to Mary Mahoney near 266 Andover St.	Dec. 19, 1923	10
2040	" " "	Dec. 19, 1923	10
2041	School St. Bridge	Jan. 2, 1924	10
2042	" "	Jan. 2, 1923	10
2043	Freight cars on Dutton St. track	Jan. 14, 1924	10
2044	" " "	Jan. 14, 1924.	10
2045	Putting on Flashboards	Jan. 24, 1924	10
2046	Saco-Lowell Shops - #6 Turbine, damaged buckets	Feb. 29, 1924	10
2047	Pawtucket canal above O.G.L- Driving piling	Mar. 11, 1924	10
2048	" " " "	Mar. 11, 1924	10
2049	" " " "	Mar. 11, 1924	10
2050	" " " "	Mar. 11, 1924	10
2051	Highway Bridge - Sandy Hill, N. Y.	Mar. 31, 1924	10
2052	Union Bag & Paper Co. - Sandly Hill, N. Y.	Mar. 31, 1924	10
2053	" " " "	Mar. 31, 1924	10

No.	Description	Date	Book No.
2054	Union Bag & Paper Co. - Sandy Hill, N. Y.	Mar. 31, 1924	10
2055	Lawrence Section Wheels	Mar. 31, 1924	10
2056	Pair Horizontal Turbines, Int. Paper Co. Glens Falls ^{N. Y.}	Mar. 31, 1924	10
2057	Diagram of test of above wheels	Mar. 31, 1924	10
2058	Moving bldg. from corner of Broadway and Suffolk	Apr. 8, 1924	10
2059	" " " "	Apr. 8, 1924	10
2060	L. & C. Reservoir fence blown down	Apr. 9, 1924	10
2061	" " " "	Apr. 9, 1924	10
2062	Nesmith Bldg. - Corner of Merrimack and John	Apr. 15, 1924	10
2063	Associate Bldg. Fire - Worthen St. side	Apr. 27, 1924	10
2064	" " " Dutton St. side	Apr. 27, 1924	10
2065	" " " From City Hall	Apr. 27, 1924	10
2066	Ayer Home	June 5, 1924	10
2067	One of the oldest houses in Lowell being occupied, on Pawtucket St.	June 5, 1924	10
2068	Whistler House	June 5, 1924	10
2069	House at 266 Andover St.	June 5, 1924	10
2070	Hole made by boys under fence above Guard Locks	June 16, 1924	10
2071	" " " " "	June 16, 1924	10
2072	Tearing down bldgs. on Suffolk St.	June 18, 1924	10
2073	" " "	June 18, 1924	10
2074	" " "	June 29, 1924	10
2075	New wall and ramp above Guard Locks	June 29, 1924	10
2076	" " " Part not finished	June 29, 1924	10
2077	Indian Orchard supposed to have been graded	July 11, 1924	10
2078	" " " "	July 11, 1924	10
2079	" " " "	July 11, 1924	10
2080	New Wall - Pawtucket Canal - Cutting off sheet piling	July 11 1924	10
2081	Dodge St. looking west	July 21, 1924	10

No.	Description	Date	Book No.
2082	Dodge St. looking west	July 21, 1924	10
2083	Eastern Canal looking upstream	July 23, 1924	10
2084	" " " downstream - Courier Citizen Bldg.	July 23, 1924	10
2085	Lower monument at Hunt's Falls	July 29, 1924	10
2086	Cheever St. park	Aug. 6, 1924	10
2087	Tearing down bldgs. on Suffolk St.	Aug. 6, 1924	10
2088	Broadway after storm of Aug. 7, 1924	Aug. 7, 1924	10
2089	Repairing Boott Mills Bridge	Aug. 9, 1924	10
2090	" " " "		
2091	Debris on Pawtucket Dam	Sept. 15, 1924	10
2092	New wall west side of Western canal downstream	Sept. 24, 1924	10
2093	" " " " " " upstream	Sept. 24, 1924	10
2094	E. Merrimack St. bridge over Eastern canal repaved	Oct. 23, 1924	10
2095	Merrimack St. bridge over Western canal replanked	Oct. 26, 1924	10
2096	Transportation of U. S. whale boats by L&C	Nov. 7, 1924	10
2097	Breaks in Lowell water mains at First St. oval	Dec. 2, 1924	10
2098	Break in 30" main at First St. oval	Dec. 2, 1924	10
2099	Beaver Brook looking NE across Conduit St.	Dec. 9, 1924	10
2100	Conduit St. looking west from Beaver Brook	Dec. 9, 1924	10
2101	" " " SE across Beaver Brook	Dec. 9, 1924	10
2102	" " " south towards Aiken St.	Dec. 9, 1924	10
2103	" " " " from Beaver Brook	Dec. 9, 1924	10
2104	" " " NW across Beaver Brook	Dec. 9, 1924	10
2105	" " " north towards Beaver Brook	Dec. 9, 1924	10
2106	Merrymeeting Lake Dam, front view	Dec. 12, 1924	10
2107	" " " rear view	Dec. 12, 1924	10
2108	Western canal wall below Broadway	Dec. 20, 1924	10

No.	Description	Date	Book No.
2108-A	Western canal wall below Broadway	Dec. 20, 1924	10
2109	Fire at Cady's Box Shop	Jan. 30, 1925	10
2110	Diagram showing City of Lowell's expenditures	Feb. 5, 1925	10
2111	" " " " departmental payrolls	Mar. 10, 1925	10
2112	Beaver Brook Bridge site; elev. of water 57.45	Mar. 30, 1925	10
2113	" " " " " "	Mar. 30, 1925	10
2114	" " " " " "	Mar. 30, 1925	10
2115	" " " " " 58.35	Mar. 31, 1925	10
2116	" " " " " "	Mar. 31, 1925	10
2117	Western Canal wall below Broadway	Apr. 4, 1925	10
2117-A	" " " " "	Apr. 4, 1925	10
2118	" " " " "	Apr. 22, 1925	10
2118-A	" " " " "	Apr. 22, 1925	10
2119	Western Canal below Broadway	Apr. 22, 1925	10
2120	Diagram showing City of Lowell Valuation, Payroll & Debt	Apr. 24, 1925	10
2121	C. M. S. C. Rear view, looking east	May 7, 1925	10
2122	" " " " west	May 7, 1925	10
2123	" " " " south	May 7, 1925	10
2124	Plan showing water mains of Locks and Canals	May 14, 1925	10
2125	Western Canal below Broadway	May 27, 1925	10
2126	Five-foot strip, Cady property, for B. & M.	June 24, 1925	10
2127	" " " " "	June 24, 1925	10
2128	Prescott Mill remodeled for an office building	June 25, 1925	10
2129	Western Canal below Broadway	July 2, 1925	10
2130	New fence at 108 Broadway	July 6, 1925	10
2131	New playground along Western Canal below Broadway	July 6, 1925	10

No.	Description	Date	Book No.
2132	New footing on river side of Lawrence Mfg. Co. dyehouse	July 9, 1925	10
2133	" " " " " " " "	July 9, 1925	10
2134	Weekly payroll of Street Dept., City of Lowell, 1918-1925	Sept. 1925	10
2135	" " " Water Works Dept. " " "	Sept. 1925	10
2136	Experiment showing load of 1458.5 lbs. on $1\frac{1}{2}$ " Flashboard	July 30, 1925	10
2137	Middlesex Dam looking towards Ipswich Hosiery	Aug. 11, 1925	10
2138	" " " " Belvidere Mills	Aug. 11, 1925	10
2139	" " " " Ipswich Hosiery	Aug. 17, 1925	10
2140	Scum on Concord River near Ames Worsted Co.	Aug. 19, 1925	10
2141	George W. Whistler, Civil Engineer	Aug. 21, 1925	10
2142	City of Lowell Ladder #4 truck in Western Canal	Sept. 4, 1925	10
2143	" " " " " "	Sept. 4, 1925	10
2144	" " " " " "	Sept. 4, 1925	10
2145	New sluiceway at Middlesex Dam, looking downstream	Sept. 13, 1925	10
2146	" " " " " " upstream	Sept. 13, 1925	10
2147	Middlesex Dam and Sluiceway	Sept. 13, 1925	10
2148	" " showing new addition	Sept. 13, 1925	10
2149	Repairs to rack platform in rear of Ames Worsted Co.	Sept. 13, 1925	10
2150	Weekly payroll of Ash and Waste Collection.	Sept. 1925	10
2151	Old leveling party (taken from text book)	Sept. 1925	10
2152	Old current meters	Sept. 1925	10
2153	Old leveling instruments	Sept. 1925	10
2154	Diagram showing tax rates in Massachusetts	Oct. 1925	10
2155	Middlesex Dam looking upstream	Oct. 12, 1925	10
2156	" " " downstream	Oct. 12, 1925	10
2157	" " " "	Oct. 12, 1925	10

No.	Description	Date	Book No.
2158	Standish Street, from Riverside St.	Oct. 28, 1925	10
2159	Dalton Street, from Farmland Road	Oct. 28, 1925	10
2160	Caroline Street, from Ennell St.	Oct. 28, 1925	10
2161	Cumberland Road, from Aiken Ave.	Oct. 28, 1925	10
2162	Western Canal wall below Broadway	Nov. 8, 1925	10
2162-A	" " " " "	Nov. 8, 1925	10
2163	" " " " "	Nov. 15, 1925	10
2164	" " " " "	Nov. 15, 1925	10
2165	Cambridge St. Bridge,	Nov. 3, 1925	10
2166	" " "	Nov. 3, 1925	10
2167	Cheever St. looking NW	Nov. 19, 1925	10
2168	Ward St. looking NW	Nov. 19, 1925	10
2169	Hall St. looking NW	Nov. 19, 1925	10
2170	Hall & Perkins Sts. looking SE	Nov. 19, 1925	10
2171	Ice in Western Canal near Kitson plant	Dec. 29, 1925	10
2172	" " " " " " "	Dec. 29, 1925	10
2173	Eastern Canal wall at Boott Mills	Mar. 8, 1926	10
2174	Diagram of Heights and Monthly Draft of L. Winnepesaukee	Mar. 20, 1926	10
2175	The Old Durkee House, 1657. (taken Sept. 10, 1921)	Mar. 24, 1926	10
2176	Western Canal above Broadway Bridge	Mar. 30, 1926	10
2177	Eastern Canal at Boott Mills	Apr. 9, 1926	10
2178	Lower end of Moody St. Feeder	Apr. 12, 1926	10
2179	Merrimack Canal at Merrimack Dam	Apr. 12, 1926	10
2180	Davis & Sargent side track	Apr. 27, 1926	10
2181	Doherty Bros. - " "	Apr. 27, 1926	10
2182	Western Canal wall above Broadway	May 17, 1926	10
2183	" " " " "	May 17, 1926	10
2184	Thompson's field, rear of Bartlett School	May 17, 1926	10

No.	Description	Date	Book No.
2185	Thompson's field, rear of Omicron Pi fraternity house	May 17, 1926	10
2186	Fishway at Pawtucket Dam	May 18, 1926	10
2187	" " "	May 18, 1926	10
2188	Northern canal wall along Ford Street	May 23, 1926	10
2189	" " " "	May 23, 1926	10
2190	School St. bridge repairs	May 24, 1926	10
2191	" " "	May 24, 1926	10
2192	Western canal wall below Broadway	May 26, 1926	10
2192-A	" " " " "	May 26, 1926	10
2193	" " " " "	May 26, 1926	10
2194	" " " " "	May 26, 1926	10
2195	Eastern canal at Lower Locks	June 9, 1926	10
2196	Western canal wall above Broadway	June 13, 1926	10
2197	Eastern canal at Lower Locks	June 9, 1926	10
2198	" " " "	June 9, 1926	10
2199	K.W.-H. delivered at switchboard, Merrimack River at Lowell	June 1926	10
2200	Net Horsepower of water wheels, " " "	June 1926	10
2201	24-hour flow in c. f. p. s., " " "	June 1926	10
2202	Eastern canal wall at Boott Mills	June 27, 1926	10
2203	Western canal wall above Broadway	July 11, 1926	10
2204	Leak in L&C 12" main in Bigelow yard	July 14, 1926	10
2205	Copy of a tombstone for Mr. Owen of the Appleton Co.	July 1, 1926	10
2206	" " " " "	July 1, 1926	10
2207	Holes made by boys under fence above Guard Locks	July 22, 1926	10
2208	" " " " " "	July 22, 1926	10
2209	Land on Stackpole St. adjoining Y. M. C. I.	July 23, 1926	10
2210	" " " " "	July 23, 1926	10

No.	Description	Date	Book No.
2211	Land on Stackpole St. Adjoining Y. M. C. I.	July 23, 1926	10
2212	Guard Gate and 1852 ^{High Water} mark at Old Guard Locks	July 27, 1926	10
2213	Conduit St. and vicinity looking South-west from Beaver Brook	Aug. 5, "	10
2214	" " " " " " "	" " "	10
2215	Roadway of Beaver Brook Bridge looking towards Conduit St.	" " "	10
2216	Sewer Manhole and Beaver Brook Bridge under-pinning	" " "	10
2217	Beaver Brook Bridge looking upstream	" " "	10
2218	Eastern Canal Wall at Boott Mills.	" 8, "	10
2219	Beaver Brook Bridge. Looking East. (2 negatives)	" 14, "	10
2220	Side Track and Bridge to Coal Pocket of Boott Mills.	Sept. 3, "	10
2221	Rain Gage at Pawtucket Dam.	" 16, "	10
2222	Lawrence Company's Playground	" 21, "	10
2223	" " "	" " "	10
2224	Eastern Canal Wall at Boott Mills looking down stream	" " "	10
2225	Eastern Canal Wall at Boott Mills looking up stream	" " "	10
2226	Old Suffolk St. Bridge over Northern Canal being torn up	" 27, "	10
2227	Dutton St. Bridge over Western Canal.	Oct. 7, "	10
2228	Suffolk St. Bridge over Northern Canal showing new I Beams in place.	" 10, "	10
2229	Suffolk St. Bridge over Northern Canal showing Reinforcing Rods on Down stream side.	" 22, "	10

No.	Description	Date	Book No.
2230	Suffolk St. Wall looking downstream from Jefferson St.	Oct. 22, 1926	10
2231	Suffolk St. Wall. Looking Upstream from Broadway.	" " "	10
2232	Boott Mills. Racks for No. 6 Wheel. Looking upstream	" 24, "	10
2233	Boott Mills. Racks for No. 6 Wheel. Looking downstream.	" " "	10
2234	Suffolk St. Bridge over Northern Canal showing upstream side being torn up.	Nov. 2, "	10
2235	Suffolk St. Bridge over Northern Canal showing new sidewalk. Downstream side.	" 2, "	10
2236	Concrete Facing on pier under East Merrimack Street Bridge over Eastern Canal.	" 7, "	10
2237	Eastern Canal looking upstream from East Merrimack Street Bridge.	" " "	10
2238	Eastern Canal showing slope paved below Massachusetts Racks near Bridge St. (2 negatives)	" 7, "	10
2239	Suffolk St. Bridge over Northern Canal showing new I Beams on upstream side of Bridge.	" 10, "	10
2240	Mayor Donovan's Record of Service to the People of Pawtucketville. Copy of signboard.	" 12, "	10
2241	New Trusses under Railroad Bridge over Western Canal and old wooden Pier being removed.	" 14, "	10
2242	Suffolk St. Bridge over Northern Canal showing reinforcing rods on upstream side.	" 15, "	10
2243	Copy of Title Page in F. N. Burham's Descriptive Pamphlet on New Turbine Water Wheel.	" 19, "	10
2244	Copy of Table giving size, Discharge of Water and price list of Water Wheels in F. N. Burham's pamphlet, page 32.	" " "	10
2245	Copy of Tables on page 24 and 25 in F. N. Burnham's pamphlet.	" " "	10
2246	Worthen St. Bridge over Western Canal showing old wooden beams.	" 26, "	10

No.	Description	Date	Book No.
2247	Worthen St. Bridge over Western Canal showing City 6" Water Mains.	Nov. 26, 1926	10
2248	Copy of R. R. Track plan of 1883 Cover	Apr. 1918	10
2249	Copy of R. R. Track plan of 1883. Location Description	" "	10
2250	Copy of R. R. Track plan of 1883 Moody and Tilden Sts.	" "	10
2251	Copy of R. R. Track plan of 1883 Tremont St.	" "	10
2252	Copy of R. R. Track plan of 1883 Tremont & Perkins.	" "	10
2253	Copy of R. R. Track plan of 1883 Jackson St.	" "	10
2254	Copy of R. R. Track plan of 1883 Dutton St.	" "	10
2255	Copy of R. R. Track plan of 1883 Dutton & Moody Sts.	" "	10
2256	Copy of R. R. Track plan of 1883 Amory & Canal Sts.	" "	10
2257	Copy of R. R. Track plan of 1883 Dutton & Amory Sts.	" "	10
2258	Worthen St. Bridge over Western Canal showing new "I" Wooden Beams.	Dec. 9, 1926	10
2259	Suffolk St. Bridge over Northern Canal looking towards Moody St.	" 14, "	10
2260	Suffolk St. Bridge over Northern Canal looking towards Tremont and Suffolk Mills.	" 15, "	10
2261	Worthen St. Bridge over Western Canal.	" " "	11
2262	Tremont No. 2 Generator (2 negatives)	Jan. 26, 1927	11
2263	Typical setting of Hydro-Electric plant at Tremont Mills.	Feb. 1, "	11
2264	Tremont Store Houses A and B on Tremont St.	Mch. 3, "	11
2265	Northern Canal looking downstream from Cabot St.	" 15, "	11
2266	Hamilton Mfg. Company No. 2 Mill on Jackson St.	" 22, "	11
2267	Central St. over Pawtucket Canal	" 22, "	11
2268	Monthly Expenditures of City of Lowell Water Works beginning in 1925.	" 22, "	11

No.	Description	Date	Book No.
2269	Hamilton Canal with Hamilton & Appleton Co's shut down. Picture taken at 11:50 A.M. Gauge at Swamp Locks 82.65 at 11:45, and 83.10 at 11:00 A.M.	April 11, 1927	11
2270	Eastern Canal showing racks at Massachusetts Cotton Mills near Cloth Room Building.	May 29, 1927	11
2271	Hole in wall back of Massachusetts Racks under Cloth Room Building Foundation	" 29, 1927	11
2272	Passageway through Mill No. 6 to Boott Mills Coal Pocket, looking in from Eastern Canal.	June 1, 1927.	11
2273	Boott Mills Coal Pocket Trestle looking towards Boiler House.	" " "	11
2274	Boott Mills Coal Pocket Trestle looking towards Amory Street.	" " "	11
2275	Boott Mills Coal Pocket under Trestle looking in from Boiler House.	" " "	11
2276	L. & C. Gate House at the end of Hamilton Canal.	" " "	11
2277	Nashua Mfg. Co's Sign on Suffolk Mills	" " "	11
2278	Pawtucket Bridge over Pawtucket Canal	" 3, "	11
2279	Eastern Canal looking up stream from Mass. Counting Room Bridge.	" 19, "	11
2280	Hole made in Canal wall looking for leak in Mass. Cloth Room Cellar.	" " "	11
2281	Boott Mills Picker House over Eastern Canal	" 21, "	11
2282	Boott Mills Picker House over Eastern Canal	" " "	11
2283	R. R. Bumper near Hamilton Mfg. Co.	" " "	11
2284	Girders for Boott Mills R. R. Bridge	" 28, "	11
2285	" " " " " " "	" " "	11
2286	" " " " " " "	" " "	11
2287	Corner of Colonial Ave. & Riverside St. looking up Colonial Avenue.	July 14, "	11
2288	Boott Mills R. R. Bridge Girder set in place.	" 21, "	11

No.	Description	Date	Book No.
2289	Boott Mills R. R. Bridge Girder set in place	July 21, 1927.	11
2290	Lawrence Canal & Hickey Hall Dam	" 26, "	11
2291	" " " " " "	" " "	11
2292	" " " " " "	" " "	11
2293	" " " " " "	" " "	11
2294	Locks & Canals "Yard Baseball Nine	Aug. 3,	11
2295	" " " "Office" " "	" " "	11
2296	Hall St. Bridge Repairs	" 9 "	11
2297	" " " " "	" " "	11
2298	Boott Mills R. R. Bridge showing Bridge Floor and track	Aug. 16,	11
2299	" " " " " " " "	" " "	11
2300	East Merrimack St. Bridge over Eastern Canal	" " "	11
2301	Hall St. Bridge showing new floor planking (2 Negatives)	(Aug. 16, 1927)Sept. 2, "	11 11
2302	Proposed location for Bridge over Hamilton Canal by Courier-Citizen Co.	Aug. 24,	11
2303	" " " " " " " "	" " "	11
2304	Lawrence Mfg. Co's Box Shop & Store House #13 looking north	Sept. 2,	11
2305	Lawrence Mfg. Co's Box Shop & Store House #13 looking down Coolidge St. from Perkins	" " "	11
2306	Bridge St. Bridge over Eastern Canal	" " "	11
2307	Miles Laffay and Leon Proulx or ("Black Joe")	" 9 "	11
2308	Below Mariposa Ave. looking South east	" 15 "	11
2309	Near corner of Westford & Baldwin Sts. looking southeast	" " "	11
2310	Staples St. looking south	" " "	11

No.	Description	Date	Book No.
2311	Pawtucket St. Bridge over Pawtucket Canal	Sept. 21, 1927	11
2312	" " " " " "	" " "	
2313	Boott Dam and vicinity	Sept. 23, 1927	
2314	" " " "	" " "	
2315	Lower end of Eastern Canal	Sept. 27, 1927	
2316	Pawtucket St. Bridge over Pawtucket Canal	Oct. 6, 1927	
2317	Swamp Locks Dam	Oct. 9, 1927	
2318	Pawtucket St. Bridge over Pawtucket Canal	Oct. 15, 1927	
2319	" " " " " "	Oct. 21, 1927	
2320	" " " " " "	Oct. 26, 1927	
2320A	Walker St. looking south from Broadway	Nov. 4, 1927	
2321	Middlesex St. above Black Brook, looking east	" " "	
2322	Middlesex St. below Pawtucket St., looking east	" " "	
2323	Worthen St. from Market St., looking north	" " "	
2324	Shattuck St. from Market St. looking north	" " "	
2325	Twelfth St. looking uphill from Bridge St.	" " "	
2326	Jewett St. from Fourth toward W. Sixth	" " "	
2327	Woburn St. looking toward Lowell	" " "	
2328	Pawtucket Dam - water at El. 91.5	Nov. 5, 1927	
2329	Public Bath House showing high water in river	" " "	
2330	Junction of Pawtucket Boulevard and Varnum Ave.	" " "	
2331	Beaver Brook bridge showing high water	" " "	
2332	Beaver Brook, looking downstream toward river	" " "	
2333	Concord River showing high water	" " "	
2334	Salem St. looking west from Decatur St.	Nov. 8, 1927	
2335	Dunbar Avenue bridge over Clay Pit brook	" " "	

No.	Description	Date	Book No.
2336	Midland St. looking east from So. Wilder St.	Nov. 8, 1927	11
2337	Broadway looking east above School St.	" " "	
2338	Lawrence St. looking northwest from Moore St.	" " "	
2339	School St. looking south from Broadway	" " "	
2340	Middlesex Dam wasteway	Nov. 15, 1927	
2341	" " "	" " "	
2342	Wooden penstock to New England Bunting Co.	" " "	
2343	Wasting at Swamp Locks dam	Nov. 23, 1927	
2344	Excavating for new gate at Swamp Locks	" " "	
2345	" " " " " " "	Dec. 1, 1927	
2346	Waste bays in back of locking gate at Swamp Locks	" " "	
2347	Tearing out wall for spillway of new gate	" " "	
2348	Air chamber on discharge line of SacO-Lowell #2 pump (Picture taken Dec. 1, 1927)	Nov. 28, 1927	
2349	Wasting through temporary Bays at Swamp Locks	Dec. 2, 1927	
2350	Excavation for new gate at Swamp Locks	" 17, 1927	
2351	Wasting at Swamp Locks and location of new gate	" " "	
2352	Ice at Pawtucket Dam	Dec. 22, 1927	
2353	" " " "	" " "	
2354	New sluice gate at Swamp Locks - gate up	Jan. 12, 1928	
2355	" " " " " " gate down	" " "	
2356	Fan house on top of Mill #10 - Nashua Mfg. Co.	" " "	
2357	" " " " " " " " " "	" " "	
2358	Tearing out masonry in front of sluice gate	Jan. 15, 1928	
2359	Dodge truck	Jan. 17, 1928	
2360	Boott Mills side track to coal pocket	" " "	

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No.	Description	Date	Book No.
2361	Corner of Bridge and Amory Streets, showing fences in front of Boott Mills	Jan. 17, 1928	11
2362	Swamp Locks and Sluice Gate	" " "	
2363	Cracks in Mill #6 - Nashua Mfg. Co.	Feb. 7, 1928	
2364	" " " " " " "	" " "	
2365	Fan house on top of Mill #10 - Nashua Mfg. Co.	Feb. 16, 1928	
2366	Starting erection of conveyor bridge - " "	" " "	
2367	Site of proposed street through Prescott yard	Feb. 22, 1928	
2368	" " " " across Lower Locks wasteway	" " "	
2369	" " " " through Ipswich Mills	" " "	
2370	Northern Canal looking upstream from Suffolk St.	Feb. 24, 1928.	
2371	Lawrence Section of Merrimack Mfg. Co.	" " "	
2372	Merrimack River mills, looking downstream	" " "	
2373	Erection of conveyor bridge - Nashua Mfg. Co.	" " "	
2374	Nashua Mfg. Co. looking northwest from Suffolk St.	" " "	
2375	Lawrence Mfg. Co. from Lawrence Section	" " "	
2375A	Appleton and Hamilton mills looking east	March 1928	
2376	Ipswich Mills and Middlesex Co. looking south	" "	
2377	Pepperell Mfg. Co. looking north	" "	
2378	Merrimack Mfg. Co. looking east	" "	
2379	Boott Mills looking east	" "	
2380	Saco-Lowell Shops looking northeast	" "	
2381	Site of proposed Plain St. playground looking south	March 29, 1928	
2382	" " " " " " " north	" " "	
2383	Taking boat through Lower Locks	April 30, 1928	
2384	Island below Middlesex Dam in Concord River	May 22, 1928	
2384A	" " " " " " "	" " "	
2385	Present wasteway below Middlesex Dam	" " "	

No.	Description	Date	Book No.
2386	Present wasteway below Middlesex Dam	May 22, 1928	11
2387	Locks & Canals reservoir - east side	" " "	
2388	" " " "	" " "	
2389	Copy of L & C Document No. 314	May 26, 1928	
2390	Lawrence Mfg. Co. along river	May 31, 1928	
2390A	" " " "	" " "	
2391	Lawrence Section of Merrimack Mfg. Co. along river	" " "	
2392	Merrimack Mfg. Co. along river	" " "	
2392A	" " " " "	" " "	
2393	Boott Mills along river	" " "	
2393A	" " " "	" " "	
2394	Pepperell Mfg. Co. along river	" " "	
2394A	" " " " "	" " "	
2395	Saco-Lowell Shops - Building #.5	July 6, 1928	
2396	Diagrams of Flood Heights at Lowell	" 21, 1928	
2397	Financial Diagram of Locks & Canals	" " "	
2398	Ziskinds wall on Pawtucket Canal	Aug. 3, 1928	
2399	" " " " "	" " "	
2400	Ford St. Park looking west	" " "	
2401	Suffolk St. Park looking south	" " "	
2402	Wilson wall showing boys in swimming and on ramp	" " "	
2403	Land taken by city at corner of Salem & Pawtucket Sts.	Aug. 27, 1928	
2404	" " " " " " "	" " "	
2405	High water marks at Jackson Mills, Nashua, N. H.	" " "	
2406	" " " " " "	" " "	
2407	" " " " " "	" " "	
2408	Canal St. bridge - Nashua, N. H.	" " "	

No.	Description	Date	Book No.
2409	Canal St. Bridge - Nashua N. H.	Aug. 27, 1928	11
2410	" " " " Showing roadway	" " "	
2411	Swamp Locks new sluice gate	Sept. 9, 1928	
2412	Eastern Canal looking downstream from Bridge St.	" " "	
2413	" " " " " Boott Office	" " "	
2414	" " " " " #6 racks	" " "	
2415	Lincoln St. bridge over Hale's Brook - driving piles	Oct. 4, 1928	
2416	Suffolk St. boom in Northern Canal, also Nashua Mfg. Co's Conveyor Bridge	" " "	
2417	Opening Eastern Canal Wall to let in water from Boott Penstock	Oct. 15, 1928	
2418	" " " " " " " " " " " "	Oct. 15, 1928	
2419	No. 1 - 72" Swain Wheel of Ipswich Mills being junked. Installed in 1878 taken out 1928	Oct. 19, 1928	
2420	" " " " " " " " " " " "	Oct. 19, 1928	
2421	Suffolk St. Fence, along Western Canal, from Jefferson to Market Sts.	Oct. 25, 1928	
2422	Merrimack Boom.	Oct. 25, 1928	
2423	New Guides welded in Guide Ring of 30" Swain Wheel, Kalix Cup Co. West Chelmsford,	Nov. 9, 1928	
2424	Broken Concrete Wall at end of Hamilton Canal, South Side	Nov. 20, 1928	
2425	Broken Concrete Wall around end of Hamilton Canal. Looking North.	Nov. 20, 1928	
2425-A	Merrimack New Sluice Gate	Nov. 25, 1928	
2426	Pepperell Mfg. Co. Racks in Eastern Canal which feed wheels in Section 8.	Nov. 25, 1928	
2427	Pepperell Mfg. Co. looking North from Section #12.	Nov. 25, 1928	
2428	Copy of old picture in Massachusetts Mill Yard on City of Lowell Plan of 1856.	Nov. 26, 1928	
2429	Cut off wall at Head of Ipswich Penstocks	Dec. 6, 1928	
2430	L. & C. Land on bank of Merrimack River near Lowell & Dracut line opened for Dump looking downstream.	Dec. 6, 1928.	

No.	Description	Date	Book No.
2431	L. & C. Land on Bank of Merrimack River near Lowell and Dracut Line opened for Dump looking upstream.	Dec. 6, 1928	11
2432	New 1928 "Red Bridge" of the Boston & Maine R. R. Temporary Supports Removed Sunday Dec. 2, 1928. (2 Negatives)	Dec. 13, 1928	11
2433	Copy of the Spencer Pierce House, Tewksbury, Mass.	Dec. 14, 1928	11
2434	Damaged L. & C. Fence, corner of Market & Suffolk St.	Dec. 26, 1928	11
2435	Site of old Tremont Mill #3 which has been torn down	Feb. 5, 1929	11
2436	Site of old Tremont Mill #3 which has been torn down, looking down Suffolk St.	Feb. 5, 1929	11
2437	House and Land at Junction of Pawtucket, Perkins and Aiken St. Looking down Perkins to Aiken.	Mar. 15, 1929	11
2438	House and Land at Junction of Pawtucket, Perkins and Aiken St. Looking from Aiken to Perkins.	Mar. 15, 1929	11
2439	Board Fence repaired on Varnum Ave., by Locks & Canals 94 feet upstream from end of Pawtucket Dam.	Mar. 21, 1929	
2440	Board Fence repaired on Varnum Ave., by Locks and Canals 94 feet upstream from end of Pawtucket Dam	Mar. 21, 1929	
2441	North side of Northern Canal Wall below School St. Bridge looking downstream Elev. of water 82.60 at 12:30 p.m.	Mar. 26, 1929	11
2442	South Side of Northern Canal Wall below School St. Bridge looking downstream. Elev. of water 81.10 at 12:05 P.M.	Mar. 27, 1929	11
2443	North Side of Northern Canal Wall below school St. Bridge looking upstream. Elev. of water 81.50 at 12:10 P.M.	Mar. 27, 1929	11
2444	Same as 2443	" 27, 1929	11
2445	Western Canal looking downstream between Market & Jefferson Sts.	Mar. 27, 1929	11
2446	Land between Northern Canal & Merrimack River below School St. Bridge.	Mar. 27, 1929	11
2447	Western Canal between Jefferson & Broadway Sts. looking downstream.	Mar. 27, 1929	
2448	W. N. Goodell Jan 1, 1921 to March 31, 1929.	Mar. 29, 1929 ⁹	
2449	W. N. Goodell Jan. 1, 1921 to March 31, 1929.	Mar. 30, 1929.	

No.	Description	Date	Book No.
2450	Section #12 Pepperell Mfg. Co. being razed for new Post office, also 5 foot strip of land owned by L. & C.	Apr. 25, 1929	11
2451	Middlesex St. looking East from Stevens St.	Apr. 30, 1929	
2452	Stevens St. looking north from Middlesex St.	Apr. 30, 1929	
2453	Mill #12 & 14 of Lawrence Mfg. Co. looking West.	May 13, 1929.	
2454	Lower Pawtucket Canal showing 4" Steam Pipe between Assets Realization Co. and Appleton Co.	May 23, 1929.	
2455	Bridge St. Bridge over Eastern Canal	June 5, 1929	
2456	Old Cottage House on Warren St. beside W. H. Bagshaw Mill which is to be torn down.	June 5, 1929.	
2457	High School Girls on Lucy Larcom Park	June 18, 1929.	
2458	Kirk St. looking towards Merrimack St. from French St.	June 18, 1929.	
2459	Lee St. looking towards John St. from Kirk St.	June 18, 1929	
2460	French St. from Kirk St. in rear of High School	June 18, 1929.	
2461	French St. looking towards Merrimack Canal from John St.	June 18, 1929.	
2462	Paige St. looking towards Kirk St. from John St.	June 18, 1929.	
2463	John St. looking towards Boott Mills from Paige St.	June 18, 1929.	
2464	Boott Mills Upper Yard showing repairs to Stair Towers recently made by Locks and Canals	June 18, 1929.	
2465	Lucy Larcom Park	June 19, 1929.	
2466	Lucy Larcom Park	June 19, 1929.	
2467	Hamilton Canal looking upstream	June 24, 1929.	
2468	Merrimack Mfg. Co. Tremont Yard	June 24, 1929.	
2469	R. K. Dexter & Sons buildings at the corner of Fletcher and Dutton Streets.	June 24, 1929.	
2470	R. K. Dexter & Son buildings at the corner of Fletcher and Dutton Streets.	June 24, 1929.	
2471	Left Hand side Merrimack Wasteway Wall at end of Eastern Canal looking upstream	June 28, 1929.	

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2472	Left Hand side of wall at end of Eastern Canal looking downstream	June 28, 1929	11
2473	Mill No. 12 of Pepperell Mfg. Co. being torn down for Post office looking northeast	July 23, 1929	11
2474	Mill No 12 of Pepperell Mfg. Co. being torn down for Post office looking south	July 23, 1929	11
2475	Mill No. 12 of Pepperell Mfg. Co. being torn down for Post office looking north	July 24, 1929	11
2476	Pepperell Mfg. Co. Section 8 Wheel House and end of Mill #1	Aug. 16, 1929	11
2477	Post Office Site Kearney Square looking east	Aug. 16, 1929	11
2478	Post Office Site Kearney Square looking northwest Also three prints from Marion Studio showing west end of P. O. excavation. Sept. 1930.	Aug. 16, 1929	11
2479	Leaks from Section #8 Penstock and part of #12 basement wall	Aug. 30, 1929	11
2480	Partition wall in basement of No. 12 Mill	Aug. 30, 1929	11
2481	Bridge for L & C 24" Pipe across Eastern Canal	Sept. 23, 1929	11
2482	" " " " " " " "	Sept. 23, 1929	11
2483	L & C 24" Pipe across Eastern Canal	Sept. 26, 1929	11
2484	L & C Thermometer shelter at Pawtucket Dam Lowell	Oct. 8, 1929	12
2485	" " " " " " "	Oct. 8, 1929	12
2486	Overhead Bridge at Pepperell Mfg. Co. between Store House "C" and "B"	Oct. 11, 1929	12
2487	Store House "C" on Canal St. side also laying of L & C 20" Water Main (2 negatives)	Oct. 11, 1929	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2488	Private way between Pepperell Mfg's. Store House "C" and B. F. Keith's Theatre 20"	Oct. 11, 1929	12
2489	Laying L. & C. /main showing part of concrete foundation of old Cold House being removed	Oct. 16, 1929	12
2490	Laying L. & C. 20" main showing part of concrete foundation of old Cold House removed	Oct. 16, 1929	12
2491	Laying L. & C. 20" main on Canal St.	Oct. 24, 1929	12
2492	Trench in which 24" main on Kearney Sq. will be laid showing foundation of old #12 Mill of the Pepperell Mfg. Co.	Nov. 8, 1929	12
2493	L. & C. 24" Main being laid in Kearney Sq. also showing old foundation of Pepperell Mfg. Co's #12 Mill	Nov. 12, 1929	12
2494	No Negative		
2495	Last connection between 24" & 20" Main in Kearney Square Nov. 15, 1929. Water let into main at 11:00 A.M. Nov. 16, 1929		12
2496	Gate House at Old Guard Locks and Lot #13 as seen from Broadway	Nov. 22, 1929	12
2497	Building & Yard at Old Guard Locks opposite Lot #13.	Nov. 22, 1929	12
2498	2" Steam pipe over Lower Pawtucket Canal from Assets Realization Co. to Mill No. 7 of Marden & Murphy- Hamilton Yard	Nov. 26, 1929	12
2499	Iron Fence at the corner of Suffolk & Merrimack Streets, Lowell, Mass.	Nov. 29, 1929	12
2500	Transmission lines from Appleton Co. to Assets Realization Co.	Jan. 11, 1930	12
2501	Transmission lines from Appleton Co. to Assets Realization Co.	Jan. 11, 1930	12
2502	Proposed Playground on Lawrence St. opposite Watershed Mills looking South	Jan. 20, 1930	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2503	Proposed Playground on Lawrence St. opposite Waterhead Mills looking North	Jan. 20, 1930	12
2504	Entrance to the Massachusetts Mill Yards	Feb. 10, 1930	12
2505	Telephone wire across Western Canal from Suffolk St. to the so called Sawyer Carriage Building, looking North	Feb. 10, 1930	12
2506	Same as #2505 but looking east	Feb. 10, 1930	12
2507	Switch Board of Section 8 Power House at Massachusetts Mills	Feb. 12, 1930	12
2508	Entrance to Mass. Mill Yard	Feb. 12, 1930	12
2509	Broken windows in Mass. Dye House	Feb. 13, 1930	12
2510	Broken windows in Mass. Dye House from Brown St.	Feb. 13, 1930	12
2511	For Sale sign on Mill No. 1 East side Pepperell Mfg. Co.	Feb. 5, 1930	12
2512	For sale sign on Store House "C" Bridge St. Side	Feb. 5, 1930	12
2513	Bridge St. Looking towards Kearney Square	Feb. 5, 1930	12
2514	Bridge Street looking towards Merrimack River	Feb. 5, 1930	12
2515	For Sale Sign on Pepperell Power House North Side	Feb. 5, 1930	12
2516	No. 1 Mill of the Mass. Mills belonging to the Lowell Industrial Development Co.	Mch. 6, 1930	12
2516A	No. 2 Mill of the Mass. Mills belonging to the Lowell Industrial Development Co.	Mch. 6, 1930	12
2517	New For Rent sign on Store House "A" at the Mass. Mills, Lowell Ind. Dev. Company	Mch. 6, 1930	12
2518	Repair Shop, Machine Shop, Office and Watch House of the Mass. Mills, Lowell Industrial Dev. Co.	Mch. 6, 1930	12
2519	Store Houses "A & "B" at the Mass. Mills	Mch. 10, 1930	12
2520	Power House, Boiler House & Slasher Building at the Massachusetts Mills	Mch. 10, 1930	12
2521	Cloth Room Building at the Mass. Mills	Mch. 10, 1930	12
2522	Dye House at the Massachusetts Mills	Mch. 10, 1930	12
2523	Entrance to Massachusetts Mills showing Lowell Industrial Development sign	Mch. 10, 1930	12
2524	Waste House at Massachusetts Mills	Mch. 10, 1930	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2525	Picker House at Massachusetts Mills showing Section 11	Mar. 10, 1930	12
2526	Mapping Building at Massachusetts Mills	Mar. 10, 1930	12
2527	Fourth Floor of Mill No. 1 Mass. Mills	Mar. 13, 1930	12
2528	Second Floor of Mapping Building, Mass. Mills	Mar. 13, 1930	12
2529	Third Floor of Cloth Room Building, Mass. Mills	Mar. 13, 1930	12
2530	Lowell Industrial Mfg. Co. Mass. Mills from Pepperell Mfg. Co's. Store House	Apr. 17, 1930	12
2531	Lowell Industrial Mfg. Co. Mass. Mills from Fairburn Building	Apr. 17, 1930	12
2532	Area over Merrimack Canal between Market St. and Y. M. C. A.	Apr. 23, 1930	12
2533	" " " " " " " "	Apr. 23, 1930	12
2534	Electric Cables being put in under Bridge St. Bridge from Mass. Mills to Boott Mills	Apr. 23, 1930	12
2535	One of first and latest B & M locomotives on Dutton St. at Centenary celebration	June 5, 1930	12
2536	" " " " " " " "	" " " "	"
2537	" " " " " " " "	" " " "	"
2538	Spike in north side walk of Canal St. Railroad Crossing in Kearney Square	June 17, 1930	12
2539	Repairs to Headgate of No. 12 wheel at Mass. Mills	June 23, 1930	12
2540	Railroad Centennial Tablet & tracks at Lucy Larcoma Park	June 23, 1930	12
2541	Lowell Ice Co's. filling station corner of Conduit Ave. & Lakeview Ave.	July 2, 1930	12
2542	Lowell Ice Co's. filling station corner of Aiken and Cheever Sts.		
2543	Canal at Boston Mfg. Co. Waltham, Mass.	July 15, 1930	12
2544	Boston Mfg. Co. Dam on Charles River, Waltham, Mass.	July 15, 1930	12
2545	Part of Dam & Canal of Boston Mfg. Co. Waltham, Mass.	July 15, 1930	12
2546	Tailrace & Gage of Boston Mfg. Co. emptying into Charles River, Waltham, Mass.	July 15, 1930	12
2547	Racks & Gage in canal of Boston Mfg. Co. Waltham, Mass	July 15, 1930	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2548	Inside of wheel house looking south. Boston Mfg. Co., Waltham, Mass.	July 15, 1930	12
2549	Inside of wheel house looking north. Boston Mfg. Co. Waltham, Mass.	July 15, 1930	12
2550	Almont property, Tewksbury, Mass. belonging to Lowell Industrial Development Co. showing oil Tanks	July 16, 1930	12
2551	Almont property, Tewksbury, Mass. belonging to Lowell Industrial Development Co. showing boiler House, coal house, and railroad tracks	July 16, 1930	12
2552	Almont property, Tewksbury, Mass. belonging to Lowell Industrial Development Co. showing boiler house, coal house, oil tanks and oil filling stands	July 16, 1930	12
2553	Tremont Mill #1, Merrimack Mfg. Co. looking south inside of yard	July 18, 1930	12
2554	Tremont Mill #1, Merrimack Mfg. Co. looking north inside yard	July 18, 1930	12
2555	Tremont Mill #1, Merrimack Mfg. Co. looking south on Tremont St.	July 18, 1931 ^{0?}	12
2556	Tremont Mill #1, Merrimack Mfg. Co. looking north on Tremont St.	July 18, 1930	12
2557	Tremont Gate House & vicinity	July 18, 1930	12
2558	Broadway Bridge showing new planking between tracks put in by Eastern Mass. Railway	July 23, 1930	12
2559	Site of proposed miniature Golf Course on L & C land, First St. Boulevard	Aug. 12, 1930	12
2560	L & C land, on bank of Merrimack River near Lowell & Dracut line, used for dump.	Aug. 12, 1930	12
2561	Miniature golf course on Pawtucket Boulevard	Aug. 12, 1930	12
2562	City of Lowell Rain Gage on filter beds at Boulevard Pumping station	Aug. 12, 1930	12
2563	New walls at end of Hamilton Canal	Aug. 12, 1930	12
2564	New Power lines across Lawrence wasteway from Merrimack Mfg. Co. to Lawrence Mfg. Co.	Aug. 13, 1930	12
2565	New Boulevard well, 4 feet in diam. completed	Aug. 19, 1930	12
2566	One boulevard well discontinued on account of quicksand	Aug. 19, 1930	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2567	Concrete facing on West side Lawrence wasteway Dam	Sept. 25, 1930	12
2568	Miniature golf course on Locks & Canals land at Indian Orchard	Oct. 5, 1930	12
2569	Sign of Jos. J. Flynn, advertizer, on L & C land off Lakeview Ave.	Oct. 6, 1930	12.
2570	Entrance to Golf Course in Mill #2, First Floor Lowell Industrial Development Company	Oct. 23, 1930	12
2571	Concrete facing, Lawrence wasteway	Oct. 23, 1930	12
2572	Socony Fuel Oil Truck, Standard Oil Co. of N.Y.	Nov. 13, 1930	12
2573	Front entrance to Country Club Miniature Golf Course on Bridge St. Lowell Ind. Dev. Co. Mill #2.	Nov. 26, 1930	12
2574	Inside view of #2573	Nov. 26, 1930	12
2575	Post Office Site showing excavation and piers for Girders over penstock for Section 8 Power House	Nov. 25, 1930	12
2576	Mill No. 1, Section 1 and 6, Lowell Ind. Dev. Co.	Dec. 3, 1930	12
2577	Same as #2576		
2578	Iron fence on Ford St. below High Bridge which was broken about Jan. 12, 1931.		
2579	Sidewalk in front of Cheever St. Park	Jan. 30, 1931	12
2580	Portion of sidewalk in front of Cheever St. Park and adjacent to #136 Cheever St.	Jan. 30, 1931	12
2581	Rubbish on sidewalk in rear of Brockelman's restaurant	Feb. 2, 1931	12
2582	Oil House at Lowell Ind. Dev. Co. looking towards Bridge St.	Feb. 24, 1931	12
2583	Brick wall in front of Oil House at Lowell Ind. Dev. Co.	Feb. 24, 1931	12
2584	L & C 2 horse team on 10 foot strip East side of Office and yard	Feb. 24, 1931	12
2584 A	" " " " " " " " " "	Apr. 22, 1931	12
2585	" " " " " " " " " "	Feb. 24, 1931	12.
2585 A	" " " " " " " " " "	Apr. 22, 1931	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2586	Saco-Lowell Shops No. 3 being torn down looking South	Mch. 19, 1931	12
2587	Saco Lowell Shops No. 3 being torn down looking North east	Mch. 19, 1931	12
2588	Break in 30" City water main 6th Street near corner of Bridge St. Lowell, Mass. 3.15 P.M.	Mch. 30, 1931	12
2589	Break in 30" City water main 6th street near corner of Bridge St. Lowell Mass. 3.15 P.M.	Mch. 30, 1931	12
2590	Cracks in 30" pipe taken out at break on 6th Street, Lowell, Mass.	Mch. 31, 1931	12
2591	Cracks in 30" pipe taken out at break on 6th Street, Lowell, Mass.	Mch. 31, 1931	12
2592	Construction of New Post Office Lowell, Mass. (2 negatives)	Apr. 3, 1931	12
2593	Lumber on L & C land on West side of Pawtucket Canal near Pawtucket St. looking north.	Apr. 9, 1931	12
2594	Lumber on L & C land on west side of Pawtucket Canal near Pawtucket St. looking south west.	Apr. 9, 1931	12
2595	Tar oil etc. from Lowell Gas Light Co. emptying into Pawtucket Canal through 12" C. I. Pipe under School St. Bridge @ 2:30 P.M.	May 6, 1931	12
2596	Same as #2595	May 6, 1931	12
2597	Tar Oil etc. from Lowell Gas Light Co. emptying into Pawtucket Canal through 12" C.I. pipe under School St. Bridge @ 8:45 A.M.	May 7, 1931	12
2598	Lumber on L & C land on West side of Pawtucket Canal near Pawtucket St. looking south west	May 16, 1931	12
2599	Rubbish, etc. on Canal St. at entrance to Kearney Square	May 16, 1931	12
2600	City 20" pipe being laid in field west of Pawtucket Canal between Broadway & Pawtucket St. looking towards Broadway	May 21, 1931	12
2601	Fence repaired & holes filled in on East side of Pawtucket Canal at "Thompson's Field"	May 27, 1931	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2602	City 20" Pipe & Truck in L & C field west side of Pawtucket Canal looking north towards Pawtucket St.	May 28, 1931	12
2603	Trench being dug in Tyng Street for 20" city pipe looking south towards Broadway	May 28, 1931	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2604	Sign put up on East side of Pawtucket Canal to keep boys out of Canal, also new hole in fence	June 1, 1931	12
2605	Western Canal near junction of Pawtucket canal where little girl was drowned	June 18, 1931	12
2606	Ditch open for City 20" Pipe on School Street over Merrimack River and Northern Canal. Shows end of Canal Curtain Wall	June 19, 1931	12
2607	City 20" pipe being covered up in field between Red Bridge and Broadway	June 19, 1931	12
2608	Pawtucket Dam	July 1, 1931	12
2609	Pawtucket Dam	July 8, 1931	12
2610	Saco Lowell Shops buildings 4 & 5	July 15, 1931	12
2611	" " " building #4	July 15, 1931	12
2612	Store front of Gofgauf's Stores on Bridge St. in front of Mill #2, Lowell Industrial Development Company	July 29, 1931	12
2613	Pawtucket Street Bridge over Pawtucket Canal being made ready for city 20" Water main looking east at 9:30 A.M.	Aug. 4, 1931	12
2614	Pawtucket Street Bridge over Pawtucket Canal being made ready for city 20" Water main looking west at 9:30 A.M.	Aug. 4, 1931	12
2615	Lumber etc. belonging to D. H. Walker in "Thompsons Field" looking west.	Aug. 25, 1931	12
2616	Lumber etc. belonging to D. H. Walker in "Thompsons Field" looking east.	Aug. 25, 1931	12
2617	Reconstructing head works and racks in rear of Ames Worsted Company	Aug. 25, 1931	12
2618	City of Lowell 20" Water Main under south sidewalk of Pawtucket St. Bridge over Pawtucket Canal, looking east.	Aug. & Sept. 1, 1931	12
2619	Same as #2618 looking west	" " " " "	"
2620	Same as #2618 looking north east	" " " " "	"

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2621	Reconstruction of Headworks & Racks , in rear of old "Ames Worsted Mill", by Wamesit Power Co. Looking down stream. (2 Negatives)	Sept. 13, 1931	12
2622	Reconstruction of Headworks & Racks, in rear of old "Ames Worsted Mill", by Wamesit Power Co. Looking up stream.	Sept. 13, 1931	12
2623	Rear view of Tenement Block, 742 to 754 Lakeview Ave., owned by Edward Atkinson.	Sept. 29, 1931	12
2624	Location of end of proposed 6" Drain in Aiken St. Dump, near Conduit St. looking Northwest.	Sept. 28, 1931	12
2625	Same as above looking south east	Sept. 28, 1931	12
2626	Oil Truck unloading oil at Lowell Industrial Development Co.	Oct. 9, 1931	12
2627	Same as #2626	Oct. 9, 1931	12
2628	Eastern Canal from Kearney Square Bridge looking downstream	Oct. 14, 1931	12
2629	Lowell Industrial Development Co. between Repair Shop & Post Office	Oct. 14, 1931	12
2630	Location of Automobile Drowning Accident at end of Merrimack Canal looking from French St. Picture taken at 8:30 A.M.	Oct. 20, 1931	12
2631	Location of Automobile Drowning Accident at end of Merrimack Canal looking from Dutton St. Picture taken at 3:00 P.M.	Oct. 20, 1931	12
2632	Parchet's Greasing Station side view	Oct. 23, 1931	12
2633	Parchet's Greasing Station. Front view	Oct. 23, 1931	12
2634	Gofgauf's Store front on Bridge St. in L. I. D. Co's. Mill #2	Oct. 23, 1931	12
2635	Opening up area between Store House A & B and Mill #2 for driveway from Bridge Street	Nov. 10, 1931	12
2636	Repairing racks for Section 8 Power House of Lowell Industrial Development Co.	Nov. 10, 1931	12
2637	Sidewalk along L. & C. five foot strip, east side of Eastern Canal looking downstream	Nov. 25, 1931	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2638	West side of Eastern Canal near Kearney Square opposite new Post Office	Nov. 25, 1931	12
2639	Gate Well Covers over L. & C. valves in Saco-Lowell yard, put on by John Simpson, Contractor.	Nov. 25, 1931	12
2640	Sidewalk along five foot strip East side of Eastern Canal. Looking downstream	Dec. 23, 1931	12
2641	New Entrance to Lowell Industrial Development Company on Bridge Street between Mill No. 2 and Storehouse A & B	Dec. 23, 1931	12
2642	Indian Orchard Dump looking west	Dec. 2, 1931	12
2643	" " " " east	Dec. 2, 1931	12
2644	Campbells Golf Course on L. & C. land First St. Boulevard	Dec. 2, 1931	12
2645	Canal Street near Kearney Sq. at 11:20 A.M.	Dec. 24, 1931	12
2646	Prescott Spinning Mill & Power House looking southwest	Jan. 4, 1932	12
2647	Prescott Spinning Mill looking southeast	Jan. 4, 1932	12
2648	End of Hamilton Canal	Jan. 4, 1932	12
2649	Fences and Stop Signs at end of French Street	Jan. 26, 1932	12
2650	" " " " " " " " " "	Jan. 26, 1932	12
2651	Putting up transmission lines between "Prescott Power House" and Middlesex Company	Jan. 26, 1932	12
2652	" " " " " " " " "	Jan. 26, 1932	12
2653	" " " " " " " " "	Jan. 26, 1932	12
2654	Central Street Bridge looking towards Merrimack St.	Jan. 29, 1932	12
2655	Central Street Bridge looking towards Gorham Street	Jan. 29, 1932	12
2656	Canal St. entrance to Lowell Industrial Development Co. looking into yard.	Feb. 19, 1932	12
2657	Canal St. entrance to Lowell Industrial Development Co. looking towards Bridge Street.	Feb. 19, 1932	12
2658	New Fence east side of Eastern Canal at Lower Locks Dam	Mar. 2, 1932	12
2659	Fence west of Pawtucket Canal above Guard Locks.	Mar. 2, 1932	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2660	Fence on Kyan St. northeasterly side of Pawtucket Canal near Red Bridge	Mar. 2, 1932	12
2661	Fence on Kyan St. northerly side of Pawtucket Canal opposite Merrimack Valley Supply Company	Mar. 2, 1932	12
2662	Fence on Jackson Street, south side of Hamilton Canal from Appleton Bridge looking west	Mar. 2, 1932	12
2663	Fence on Jackson St. south side of Hamilton Canal from Saco Bridge looking <u>west</u>	Mar. 2, 1932	12
2664	Fence on Jackson St. south side of Hamilton Canal from Saco Bridge looking <u>east</u>	Mar. 2, 1932	12
2665	Fence east side of Pawtucket Canal above Guard Locks showing holes.	Mar. 2, 1932	12
2666	Stop Signs put up by City on Ford St. Fence south side of Northern Canal at the foot of Race Street.	Mar. 2, 1932	12
2667	Northerly end and westerly side of Aiken Street Bridge and Bank of Merrimack River adjoining	Mar. 2, 1932	12
2668	Fence on Northerly side of Northern Canal above High Bridge	Mar. 2, 1932	12
2669	Prescott Spinning Mill being torn down	Mar. 16, 1932	12
2670	New Wall and Fence on westerly side of Eastern Canal opposite Post Office	Mar. 16, 1932	12
2671	Saco Lowell Shops being torn down looking Northeast.	Mar. 16, 1932	12
2672	Saco Lowell Shops being torn down looking Southeast	Mar. 16, 1932	12
2673	Becker Shoe Co. Mill #2, Section 4, Stitching Room at Lowell Industrial Development Company	Mar. 26, 1932	12
2674	Becker Shoe Company Mill #2, Section 3, Cutting Room at Lowell Industrial Development Company	Mar. 26, 1932	12
2675	Becker Shoe Co. Mill #2, Section 4, Finishing Room at Lowell Industrial Development Company	Mar. 26, 1932	12
2676	Becker Shoe Co. Mill #2, Section 3, Lasting Room at Lowell Industrial Development Company	Mar. 26, 1932	12
2677	"Lamson's Field" looking southwest	Apr. 13, 1932	12
2678	Land on East side of L. & C. Office and Yard looking north.	Apr. 23, 1932	12
2679	Saco Lowell Shops being torn down looking northeast	May 2, 1932	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2680	Saco Lowell Shops being torn down looking southeast	May 2, 1932	12
2681	Prescott Spinning as torn down to date	May 2, 1932	12
2682	Motor Boat being transported by L. & C. from Pawtucket Dam to Hunts Falls	May 30, 1932	12
2683	Central St. Bridge showing repairs between tracks made by Eastern Mass. Railway Co. Picture taken	July 19, 1932	12
2684	L. & C. Land at 200 and 202 Cheever St. Lot No. 64-A-4 leased to Emil Lamire	July 22, 1932	12
2685	Same as 2684.. Different view	July 22, 1932	12
2686	L. & C. private way west of Ayer Home.	Sept. 3, 1932	12
2687	8 new Pickets on wooden fence on Ford St. between Race and Cabot Streets.	Sept. 6, 1932	12
2688	No. 2 Mill and part of No. 1 "Tremont Yard"	Sept 12, 1932	12
2689	Part of Nos. 1 & 2 Mills Tremont Yard	Sept 12, 1932	12
2690	Hole in fence made by Brady's Truck Nov. 10, 1932 on Pawtucket St. near corner of Moody	Nov. 12, 1932	12
2691	Kitson Machine Shop Jackson Street Entrance (Saco Yard)	Nov. 17, 1932	12
2692	Locks & Canals Gate House near Saco Foundry Yard	Nov. 17, 1932	12
2693	Bridge to Entrance to Kitson Machine Shop on Dutton St.	Nov. 17, 1932	12
2694	Open space between R. R. Bridge near Corner of Bigelow and Saco Yards.	Nov. 17, 1932	12
2695	Switch Board Room and Wooden Buildings over #3 and #4 wheels at Kitson Machine Shop	Nov. 17, 1932	12
2696	Wooden Building over #5 wheel at Kitson Machine Shop	Nov. 17, 1932	12
2697	Bulkhead over #6 wheel. Kitson Machine Shop, Foundry Yard	Nov. 17, 1932	12
2698	Fence recently put up by Locks and Canals also R. R. Bridge at Jackson St. Entrance to Kitson Machine Shops.	Nov. 17, 1932	12
2699	One of three signs put up by L. & C. on Ford St. fence between Suffolk and Cabot Streets.	Dec. 3, 1932	12
2700	Dye House being torn down at the Lowell Industrial Development Co.	Dec. 6, 1932	12

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2701	Tremont Mills" being torn down	Dec. 6, 1932	12
2702	Mr. Robert Becker's private office. Becker Bros. Shoe Co. at Lowell Industrial Development Co. Mill #1.	Dec. 16, 1932	12
2703	Becker Bros. Shoe Co's MAIN OFFICE in The Lowell Industrial Development Co's. Mill #1	Dec. 16, 1932	12
2704	Tearing down Dye House at the Lowell Industrial Dev. Co.	Jan. 13, 1933	12
2705	Prescott Spinning Mill as torn down to date.	Jan. 13, 1933	12
2706	Tremont Mill being torn down.	Jan. 13, 1933	12
2707	Lowell Industrial Development Co's Dye House being torn down	Jan. 25, 1933	<u>13</u>
2708	Tremont Mills being torn down	Jan. 25, 1933	13
2709	Driving Artesian Well on Canal St. near Kearney Square	Feb. 18, 1933	13
2710	750 Kw Steam Turbine at Lowell Industrial Development Co.	Feb. 22, 1933	13
2711	1500 Kw Steam Turbine at Lowell Industrial Development Co.	Feb. 22, 1933	13
2712	3000 Kw Steam Turbine at " " " "	Feb. 22, 1933	13
2713	Steam Turbines and Water Wheels in Main Power House at Lowell Industrial Development Company	Feb. 22, 1933	13
2714	Tearing down Boiler House at the Almont Property	Mar. 16, 1933	13
2715	Boiler House torn down at the Almont Property	Mar. 23, 1933	13
2716	" " " " " " " "	Mar. 23, 1933	13
2717	Tearing down "Tremont Mills"	Mar. 23, 1933	13
2718	Kitson Machine Shop (Formerly Saco-Lowell Shops)	Mar. 24, 1933	13
2719	" " " " " " " "	Mar. 24, 1933	13
2720	Lowell Industrial Development Co. Dye House torn down	Mar. 29, 1933	13
2721	Merrimack Store House #4 being torn down	Mar. 29, 1933	13
2722	Sterling Motor Lines truck whose rear wheels went through L.I.D. Co's Bridge over Eastern Canal	Apr. 7, 1933	13
2723	Turbine Room basement during high water at Boott Mills	Apr. 20, 1933	13
2724	Pawtucket Dam	Apr. 20, 1933	13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2725	Merrimack River looking down stream from School Street	Apr. 20, 1933	13
2726	Concord River looking down stream from East Merrimack St.	Apr. 20, 1933	13
2727	Concord River looking upstream from East Merrimack St.	Apr. 20, 1933	13
2728	Old Colonial Carpenter copied	Apr. 1933	13
2729	Transmission lines and steam pipes from Bigelow to Hamilton and Appleton Mills.	June 16, 1933	13
2730	Safes at Lowell Industrial Development Co.	June 1933	13
2731	Federal Shoe Co. Fire on Dix Street 2 Negatives picture taken	June 26, 1933 June 26, 1933	13 13
2732	Buildings on Ellsworth St. northly side, which caught fire from the Federal Shoe Co. building	June 26, 1933	13
2733	One of the holes under L. & C. fence in rear of Bartlett School	June 30, 1933	13
2734A) 2734B) 2734C)	Top floor of Picker Building at the Lowell Industrial Development Company	July 31, 1933	13
2735	Maxey's side show at Aiken Street Dump	Aug. 9, 1933	13
2736	Boiler House showing barrels of grease stored there	Aug. 9, 1933	13
2737	Picker Building Lowell Industrial Development Co.	Sept 1, 1933	13
2738	Bricks on walk over racks to Prescott Power House wheels, Eastern Canal looking downstream	Sept 23, 1933	13
2739	Same as #2738, different view	Sept 23, 1933	13
2740	Merrimack St. Bridge over Western Canal, upstream side showing fence	Sept 26, 1933	13
2741	Merrimack Street Bridge over Western Canal, downstream side showing fence	Sept 26, 1933	13
2742	3 - 667 KVA - 2400 to 600 Volt Wagner Transformer at Lawrence Section for Electrical Interconnection	Sept 26, 1933	13
2743	Hydrant #14, Bigelow Yard, which was run into Oct. 3, 1933		13
2744	Hydrant #6, Middlesex Yard, which was run into Oct. 10, 1933 and repaired October 14, 1933		13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2745	Wire Fence between L. & C. Land and Wanalancit St.	Nov. 1, 1933	13
2746	" " " " " " " " " "	Nov. 1, 1933	13
2747	Picture of Hiram F. Mills	(Copied)	13
2748	Picture of James B. Francis	(Copied)	13
2749	Locks and Canals right of way, east of Yard and Office Buildings, looking north.	Nov. 22, 1933	13
2750	Locks and Canals right of way east of Yard and Office Buildings, looking south	Nov. 22, 1933	13
2751	Looking East towards Manhole #22, in Boott Mill Yard, showing 3-4" Duct Lines for Electrical Interconnection between Boott Mills and Merrimack Mfg. Co. 1 Duct to carry a 3/c 500,000 CM. lead cable, 2 Ducts reserved for future development	Dec. 5, 1933	13
2752	Same as above looking west	Dec. 5, 1933	13
2753	United States Geological Survey gauging station at Hunt's Falls on southerly bank of Merrimack River.	Dec. 18, 1933	13
2754	United States Geological Current Meter Station at Hunt's Falls, Merrimack River	Dec. 18, 1933	13
2755	Spike in tie at the easterly end of Boott Store House track purchased from the Boston & Maine Railroad	Dec. 18, 1933	13
2756	First Floor Mill #1. Lowell Industrial Development Co.	Jan. 8, 1934	13
2757	Prescott Yard from Section 8. Lowell Industrial Dev. Co.	Jan. 8, 1934	13
2758	Gofkaufs Anniversary sign over Bridge St.	Jan. 22, 1934	13
2759	Fifth floor Mill #2. Lowell Industrial Development Co.	Jan. 22, 1934	13
2760	Fourth floor Mill #2. " " " "	Jan. 22, 1934	13
2761	Building over Pawtucket Canal. Lot 28-A	Jan. 22, 1934	13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2762	Pawtucket Dam; looking downstream .	Feb. 8, 1934	13
2763	Northern Canal, looking downstream from School St.	Feb. 8, 1934	13
2764	End of Lawrence Canal.	Feb. 8, 1934	13
2765	Western Canal, looking upstream from Moody St.	Feb. 8, 1934	13
2766	Northern Canal, looking downstream from Cabot St.	Feb. 8, 1934	13
2767	Pawtucket Dam from School St. Bridge.	Feb. 26, 1934	13
2768	Pawtucket Dam from Varnum Ave.	Feb. 26, 1934	13
2769	Pawtucket Dam looking upstream	Feb. 26, 1934	13
2770	First Floor of Slasher Bldg. Lowell Ind. Dev. Co.	Apr. 23, 1934	13
2771	Second Floor of Slasher Bldg. " " " "	Apr. 23, 1934	13
2772	Store House A & B being torn down at the Lowell Ind. Dev. Co.	Apr. 25, 1934	13
2773	Store House A & B " " " " " " " " " "	May 28, 1934	13
2774	Fence and Gate in rear of Gookins Furniture Store near Eastern Canal	May 28, 1934	13
2775	Old automobiles and junk in rear of Lakeview Ave. garage on L. & C. land.	May 28, 1934	13
2776	Fence and Gate repaired in rear of Gookins Furniture Store near Eastern Canal	June 14, 1934	13
2777	Plank put on west end of Bridge over Eastern Canal, near Lower Locks.	June 14, 1934	13
2778	Fire Escape on Napping Bldg. at Lowell Ind. Dev. Co.	June 14, 1934	13
2779	Site of Store House A & B at the Lowell Ind. Dev. Co.	June 18, 1934	13
2780	Site of Store House A & B at the Lowell Ind. Dev. Co.	June 18, 1934	13
2781	Site of Store House A & B at the Lowell Ind. Dev. Co. showing entrance to yard on line with Merrimack Laundry.	June 18, 1934	13
2782	Dump on L. & C. land, Lawrence Boulevard near Dracut Line.	June 25, 1934	13
2783	Bridge St. from Eastern Canal to Merrimack River.	June 25, 1934	13
2784	3 - 667 KVA - 2400 to 600 Volt, Wagner Transformers at the Boott Mills for Electrical Interconnection.	July 23, 1934	13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2785	Oil Switches in Transformer Vault at Boott Mills for Electrical Interconnection.	July 23, 1934	13
2786	Housing over 3 - 667 KVA - 2400 to 600 Volt, Wagner Transformers at the Lawrence Section of Merrimack Mfg. Co.	July 24, 1934	13
2787	2300 Volt Oil Switch in rear of 667 KVA Wagner Transformers at Lawrence Section, Merrimack Mfg. Co.	July 24, 1934	13
2788	Site of Store House A & B. Beginning of grading.	July 23, 1934	13
2789	Canal St. looking towards Lowell Ind. Dev. Co.	Aug. 2, 1934	13
2790	Canal St. looking towards Kearney Square.	Aug. 2, 1934.	13
2791	Leaks under Middlesex Dam, Concord River.	Aug. 21, 1934	13
2792	Leak under Middlesex Dam, Concord River.	Aug. 21, 1934	13
2793	Broadway Bridge over Pawucket Canal. Finished replanking and taring today.	Aug. 23, 1934	13
2794	Rolling Dam Apron replaced with concrete.	Dec. 6, 1934	13
2795	Hamilton Rack Platform replanked.	Dec. 6, 1934	13
2796	Bridge St. Bridge over Eastern Canal replanked.	Dec. 6, 1934	13
2797	Easterly end of L. & C. Lot 96-C corner of First Street and Lawrence Boulevard.	Dec. 6, 1934	13
2798	Westerly end of Lot 84 near Junction of Merrimack and Concord River.	Dec. 6, 1934	13
2799	Lot 96-B. Looking toward Bridge St. from Southerly side of Merrimack River.	Dec. 6, 1934	13
2800	Easterly end of Lot 96-D looking west.	Dec. 6, 1934	13
2801	Abbott Islands looking upstream	Dec. 6, 1934	13
2802)	Portions of L. & C. Lots 91-92-92A & 107 looking		
2802-A(westerly from Aiken Street.	Dec. 18, 1934	13
2803	L. & C. Lot 105 looking westerly from Beaver Brook.	Dec. 18, 1934	13
2804	L. & C. Lot 103-J looking northly from Moody St. Bridge.	Dec. 18, 1934	13
2805	L. & C. Lot 89 looking northwest towards Aiken Street.	Dec. 18, 1934	13
2806	L. & C. Lot 92 and 107 looking westerly towards Beaver Brook.	Dec. 18, 1934	13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No</u>
2807	No Trespassing signs at entrance to L. & C. Lot 91 on Aiken Street.	Dec. 19, 1934	13
2808	L. & C. Lots 33-C-2 and 31-C, looking westerly.	Dec. 19, 1934	13
2809	L. & C. Lot 13 looking south from Pawtucket Street.	Dec. 19, 1934	13
2810	L. & C. Lot 29 looking easterly.	Dec. 19, 1934	13
2811	L. & C. Lot 33-C-1 looking westerly from Aiken St.	Dec. 19, 1934	13
2812	L. & C. Lot 29-A looking easterly from School St.	Dec. 19, 1934	13
2813	L. & C. Lot 8 looking south from Pawtucket Street.	Dec. 19, 1934	13
2814	L. & C. Lot 87 looking west.	Dec. 19, 1934	13
2815	Lot 88 looking west.	Jan. 9, 1935	13
2816	City No Dumping Sign on Aiken St. Dump.	Jan. 9, 1935	13
2817	Lot 31-A. Melvin Street.	Jan. 11, 1935	13
2818	Lot 96-B. Showing high water.	Jan. 11, 1935	13
2819)	General view of Aiken St. Dump looking easterly across		
2819-A(Beaver Brook.	Jan. 11, 1935	13
2820	Lot 105 during high water.	Jan. 11, 1935	13
2821	Lot 89 during high water.	Jan. 11, 1935	13
2822	Ice going over Pawtucket Dam looking upstream.	Jan 13, 1935	13
2823	Ice going over Pawtucket Dam looking downstream.	Jan. 13, 1935	13
2824	Ice in front of Gate House at Pawtucket Dam.	Jan. 13, 1935	13
2825	Ice in River above Pawtucket Dam looking upstream.	Jan. 13, 1935	13
2826	Ice on Pawtucket Dam looking downstream.	Jan. 18, 1935.	13
2827	Ice on Pawtucket Dam looking upstream.	Jan. 18, 1935	13
2828	Rubbish and garbage on ice in Northern Canal above Cabot St.	Mch. 14, 1935	13
2829	Rubbish and garbage on ice in Northern Canal above Suffolk St.	Mch. 14, 1935	13
2830	Rubbish and garbage on L. & C. Lot #84. Stackpole Street opposite Livermore Street.	Mch. 14, 1935	13
2831	Rubbish and garbage on sidewalk in front of Lot 96-D near Dracut and Lowell line.	Mch. 19, 1935	13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2832	Excavating on L. & C. Reservoir Lot for erection of Stand- pipe for City of Lowell Water Works	Mar. 19, 1935	13
2833	Lot 96-B after widening of Lawrence Boulevard	Apr. 3, 1935	13
2834	Lot 96-B after widening of Lawrence Boulevard	Apr. 3, 1935	13
2835	Cars parked on L. & C. land on Canal St. near Kearney Sq.	Apr. 3, 1935	13
2836	L. & C. No Trespassing Signs and cars parked on L. & C. land on Canal St.	Apr. 3, 1935	13
2837	Land and Building Lot 17-E Kyan St.	Apr. 18, 1935	13
2838	Davis & Sargent Lumber Co. Land conveyed by Locks & Canals Dec. 26, 1924. Area 87,727.	Apr. 18, 1935	13
2839	Land & Building Lot 2-B-1. #5 Thorndike St.	Apr. 18, 1935	13
2840	Building on Lot 2-B-1. #5 Thorndike St.	Apr. 23, 1935	13
2841	Building on Lot 25. #495 Worthen St. (Street view)	Apr. 23, 1935	13
2842	Building on Lot 25. #495 Worthen St. (Canal view)	Apr. 23, 1935	13
2843	Building on Lots 64*d and 64-D-1. #71 and #81 Ford St. (Street view)	Apr. 23, 1935	13
2844	Buildings on Lots 64-D and 65-D-1. #71 & #81 Ford St. (Canal view)	Apr. 23, 1935	13
2845	Building on Lot 64-A-5. Aiken St. corner of Cheever St.	Apr. 23, 1935	13
2845-A	Building on Lot 64-A. #200 Aiken St. corner of Cheever St.	Apr. 23, 1935	13
2846	Buildings on Lots 28-A and 28-B (Street view)	Apr. 24, 1935	13
2847	Building on Lot 28-A. North side view	Apr. 24, 1935	13
2848	Manhole cover in northerly sidewalk of Pawtucket St. Bridge over Pawtucket Canal for fire hose, (Easterly end)	Apr. 24, 1935	13
2849	Same as #2848 (Westerly end)	Apr. 24, 1935	13
2850	Rear of L. & C. Reservoir Lot showing excavation for proposed City Standpipe. P.W.A. Docket #6004	June 3, 1935	13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2851	Same as 2850. Different view	June 3, 1935	13
2852	Character of river bank. Lot 96-B	June 26, 1935	13
2852-A	" " " " " "	June 26, 1935	13
2853	Portion of Lot 96-B, showing rip rap	June 26, 1935	13
2854	View of Lot 96 B, showing rip rap being placed	June 26, 1935	13
2855	Character of river bank. Lot 96-B	June 26, 1935	13
2856	Area between Worthen and Dummer Sts. looking south	Sept 10, 1935	13
2857	" " " " " " looking west from Worthen St.	Sept 10, 1935	13
2858	North Franklin Court looking north from Franklin St.	Sept 10, 1935	13
2859	Lewis St. near corner of Market St. looking from Lewis St.	Sept 10, 1935	13
2860	North side of Brooks St. looking west	Sept 10, 1935	13
2861	Brooks St. looking west from Fletcher St.	Sept 10, 1935	13
2862	Building on L & C Lot 28-A - Fletcher St. Being torn down.	Oct. 2, 1935	13
2863	Repairing Bulkhead on upstream side of Guard Locks Gate House.	Oct. 17, 1935	13
2864	Repairs to Bulkhead on upstream side of Guard Locks Gate House. El. of water 83.15.	Oct. 18, 1935	13
2865	Buildings torn down on Lots 28-A and 28-B	Oct. 21, 1935	13
2866	Cloth Room Bldg. Bleach and Dye House being torn down in Hamilton Yard	Oct. 21, 1935	13
2867	New Filling Station at the corner of Market and Dutton St. also Milne Provision Co. on Market St.	Oct. 21, 1935	13
2868	Milne Provision Co. on Market Street	Oct. 21, 1935	13
2869	Directory Sign Board at entrance to Lowell Industrial Development Co. on Bridge St.	Oct. 21, 1935	13
2870	Merrimack St. Bridge over Western Canal showing holes in floor of Bridge between car tracks.	Oct. 28, 1935	13
2871	Foundation for Pump House on L & C land; Stackpole St. near Alden St. Public Works Project #6004	Oct. 28, 1935	13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2872	Fence and sidewalk Lowell and Lawrence Boulevard near west end of taking. Looking westerly	Oct. 25, 1935	13
2873	Sidewalk in front of Minuet on Lowell and Lawrence Boulevard	Oct. 28, 1935	13
2874	Fence and sidewalk east of Minuet on Lowell and Lawrence Boulevard.	Oct. 28, 1935	13
2875	Fence and sidewalk Lowell and Lawrence Boulevard near east end of taking. Looking easterly.	Oct. 28, 1935	13
2876	Merrimack St. Bridge over Western Canal showing replanking by the Eastern Mass. R. R.	Nov. 19, 1935	13
2877	Pump House on L & C Land, Stackpole St. near Alden. Public Works Project. #6004.	Nov. 21, 1935	13
2878	Moody St. Bridge over Merrimack River. New wood work complete Steel work painted.	Nov. 21, 1935	13
2879	Repairs to Lawrence Dam House. Finished	Nov. 23, 1935	13
2880	151 Glenwood Street	Dec. 18, 1935	13
2881	236 Westford Street	Dec. 18, 1935	13
2882	40-44 Chipewa Street	Dec. 18, 1935	13
2883	50-54 Lee Street	Dec. 18, 1935	13
2884	100-102 South Whipple Street	Dec. 18, 1937	13
2885	896 Varnum Avenue	Dec. 18, 1935	13
2886	Parking sign on Canal St.	Dec. 27, 1935	13
2887	Mill #1, Section 7, L. I. D. Company.	Dec. 27, 1935	13
2888	City Pumping Station on Stackpole St. formerly portion of L & C Lot 84. Public Works Project #6004	Dec. 27, 1935	13
2889	Anchor Ice on Pawtucket Dam	Jan. 27, 1936	13
2890	Anchor Ice and Open Channel at Pawtucket Dam	Jan. 27, 1936	13
2891	Anchor Ice and Open channel at Pawtucket Dam	Jan. 27, 1936	13
2892	Ice and Snow in front of Gate House at Pawtucket Dam	Jan. 27, 1936	13
2893	New stairway and entrance for Sullivan Bros. Printers, to 2nd floor of the Cloth Room Bldg. at the L.I.D. Co.	Jan. 27, 1936	13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2894	Part of Bleachery Bldgs. in the Hamilton Yard being torn down	Jan. 27, 1936	13
2895	Rubbish on Ice in Northern Canal from Suffolk to Cabot St.	Mch. 4, 1936	13
2896	Rubbish on Ice in Northern Canal from Cabot to Aiken St.	Mch. 4, 1936	13
2897	Rubbish on Ice in Northern Canal from Aiken to Pawtucket St.	Mch. 4, 1936	13
2898	Pawtucket Dam showing high water.	Mch. 14, 1936	13
2899	Pawtucket Dam gate house showing ice jam	Mch. 14, 1936	13
2900	Lot 89 showing high water	Mch. 14, 1936	13
2901	Conduit St. looking across Beaver Brook showing high water	Mch. 14, 1936	13
2902	Beaver Street Bridge over Beaver Brook showing high water	Mch. 14, 1936	13
2903	Upstream side of Moody St. Bridge showing high water	Mch. 14, 1936	13
2904	Lowell Industrial Development Co. showing high water around Boiler House, Picker Building and Mill #1.	Mch. 14, 1936	13
2905	Lawrence Boulevard showing rip rap on Northerly bank of Merrimack River opposite Hunts Falls.	Mch. 14, 1936	13
2906	Pumping out Boiler House at Lowell Industrial Development Co.	Mch. 17, 1936	13
2907	Pumping out Power House at " " " "	Mch. 17, 1936	13
2908	Francis Gate at Old Guard Locks. Elev. of Water 101.77 at 2:30 P.M.	Mch. 20, 1936	13
2908-A	Map of Lowell showing Flooded Areas	Mch. 20, 1936	13
2909-A	Moody St. Bridge over Merrimack River during flood of	Mch. 20, 1936	13
2909-B	Merrimack River flowing into Northern Canal during flood of	Mch. 20, 1936	13
2910	Flood wall and Dam at Old Guard Locks. Elev. of water 101.77 at 2:30 P.M.	Mch. 20, 1936	13
2911-A)	Flood Dam at Old Guard Locks and water in Thompsons Field.	Mch. 20, 1936	13
2911-B)	Elev. of Water 101.77 at 2:30 P.M.		
2912	Dam across B & M R. R. Tracks above Wilder St. during high water	Mch. 20, 1936	13
2913	" " " " " " " " " "	Mch. 20, 1936	13
2914	Merrimack River showing High Water on R. H. side above Pawtucket Dam. Elev. of Water 101.82 at 3:00 P.M.	Mch. 20, 1936 ⁶	13

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2914-A	School St. Bridge over Merrimack River during flood	Mch. 20, 1936	13
2915	Merrimack River below School St. Bridge showing high water flowing into Northern Canal. Elev. of water at Dam 101.82 at 3:00 P.M.	Mch. 20, 1936	13
2915-A	Flood Diagram showing flood of	Mch. 20, 1936	13
2916-A)	Merrimack River L.H. side below School St. Bridge		
2916-B)	showing high water. Elev. 101.82 at 3:00 P.M.	Mch. 20, 1936	13
2917	Merrimack River and Varnum Avenue looking upstream from Mammoth Road. Elev. of Water 101.82 at 3:30 P.M.	Mch. 20, 1936	13
2917-A	Diver shuts Valve under water at Merrimack Mfg. Co. during flood of	Mch. 20, 1936	13
2918	Varnum Avenue neat Starbird St. showing high water looking upstream. Elev. water at Dam. 101.82 at 3:30 p.m.	Mch. 20, 1936	13
2918-A	Aiken St. Bridge over Merrimack River during flood of	Mar. 20, 1936	13
2919	Moody Street Waste Gates on Northern Canal showing how foundation was washed away during freshet	Mch. 31, 1936	13
2919-A	Bridge St. Bridge during flood of	Mch. 20, 1936	13
2920	Bridge St. Bridge during flood of	Mch. 31, 1936	13
2921	Northern Canal wall in rear of Ayer Home showing Capstone washed off by freshet.	Mch. 31, 1936	13
2922	Northern Canal wall above Moody St. showing leakage through wall	Mch. 31, 1936	13
2923	Pawtucket Dam	Apr. 24, 1936	13
2924	Sandbag Dam and Wall west of Francis Gate	Apr. 24, 1936	13
2925	Francis Gate looking upstream	Apr. 24, 1936	13
2926	Hydraulic Gate House and sand bag dam east of Francis Gate	Apr. 24, 1936	13
2927	Rear of Francis Gate	Apr 24, 1936	13
2928	Lot 96-B looking east toward westerly end of taking	Apr. 24, 1936	14
2929	Lot 96-B looking east showing rip-rap which has slid down bank due to flood	Apr. 24, 1936	14
2930	Lot 96-B looking east towards "The Minuet".	Apr. 24, 1936	14

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2931	Lot 96-D looking east from "The Minuet".	Apr. 24, 1936	14
2932	Lot 96-D looking east towards easterly end of taking	Apr. 24, 1936	14
2933	Fence along Merrimack Canal which was broken when an automobile backed into Canal	Apr. 27, 1936	14
2934	Same as 2933. Different view.		
2935	Central Street Bridge showing holes	Apr. 30, 1936	14
2936	Moody St. Gate House on Northern Canal Wall showing how foundation was washed away.	May 13, 1936	14
2937	Repairs being made to Northern Canal wall under Moody St. Gate House	May 29, 1936	14
2938	Repairs being made to Northern Canal wall under Moody St. Gate house	June 5, 1936	14
2939	Repairs to Northern Canal wall under Moody St. Gate House	June 11, 1936	14
2940	Derrick and Concrete Mixer on Moody St. Bridge used for repairs to wall	June 11, 1936	14
2941	Repairs to Northern Canal Wall under Moody St. Gate House	June 19, 1936	14
2942	Break in Northern Canal wall opposite Ayer Home. Canal side	June 20, 1936	14
2943	Break in Northern Canal wall opposite Ayer Home. River side	June 20, 1936	14
2944-A	Holes in Northern Canal wall, right hand side, below School St.	June 20, 1936	14
2944-B	Holes etc. same as 2944-A	June 20, 1936	14
2945	Repairs to Northern Canal wall under Moody St. Gate House	June 26, 1936	14
2946	Break in Northern Canal wall opposite Ayer Home. Canal side	June 27, 1936	14
2947-A	Break in Northern Canal wall opposite Ayer Home. Canal side	June 27, 1936	14
2947-B	Northern Canal looking towards Moody St.	June 27, 1936	14
2948	Repairs to Northern Canal wall under Moody St. Gate House	July 3, 1936	14
2949	Repairs to northern Canal wall under Moody St. Gate House finished	July 8, 1936	14

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2950-A)	Repairs to Northern Canal wall in rear of Ayer		
2950-B)	Home	July 11, 1936	14
2951	Northern Canal wall above Moody St. showing leakage through wall.	July 14, 1936	14
2952	Repairs to Northern Canal wall in rear of Ayer Home Elev. canal 77.1 at 2.30 P.M.	July 17, 1936	14
2953	Northern Canal wall, river side opposite Ayer Home, showing leakage with Canal at Elev. 77.1 at 2:30 P.M.	July 17, 1936	14
2954	Repairs to Northern Canal wall in rear of Ayer Home	July 18, 1936	14
2955	Leakage through northern canal wall in rear of Ayer Home	July 20, 1936	14
2956	New Concrete mixer on Northern Canal wall	July 25, 1936	14
2957	" " " " " " " "	July 25, 1936	14
2958	Repairs to Northern Canal wall	July 25, 1936	14
2959	Leakage stopped after Canal wall was repaired	July 27, 1936	14
2960	Boat moorings below Lowell Water Pumping Station in Merrimack River	July 31, 1936	14
2961	" " " " " " " "	July 31, 1936	14
2962	Repairs to Northern Canal wall, canal side	Aug. 1, 1936	14
2963	Footing at foot of Northern Canal wall. Merrimack R. side	Aug. 6, 1936	14
2964	Merrimack River above School St. Bridge, looking downstream	Sept 11, 1936	14
2965	Merrimack River below School St. Bridge looking downstream	Sept 11, 1936	14
2966	Merrimack River above Moody St. Bridge looking downstream	Sept 11, 1936	14
2967	Boott Mills (a Negatives)	Sept 1936	14
2968	1936 and 1852 High water marks below School St. Bridge, Pawtucketville side.	Oct. 8, 1936	14
2969	Westerly end of Northern Canal Flood wall	Oct. 8, 1936	14
2970	Northern Canal flood wall	Oct. 8, 1936	14
2971	Northern Canal wall from Moody St. Bridge	Oct. 9, 1936	14
2972	Figures on Northern Canal wall put on by Textile Boys	Oct. 9, 1936	14

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2973-A) 2973-B)	Northern Canal Flood Wall	Oct. 9, 1936	14
2974) 2975)	Concrete Block for holding boom at head of Pawtucket Canal	Oct. 21, 1936	14
2976	River wall at Pawtucket Dam being repaired	Oct. 21, 1936	14
2977	New fence in front of Northern canal gate house	Oct. 21, 1936	14
2978	L & C Lot 25	Oct. 21, 1936	14
2979	Excavating ledge and dirt on Northerly bank of Merrimack river below Pawtucketville Bridge	Feb. 1, 1937	14
2980	Same as #2979 (Different view)	Feb. 1, 1937	14
2981	Progress picture showing ledge and dirt excavation on Northerly bank of Merrimack River below Pawtucketville Br.	Feb. 17, 1937	14
2982	Ledge above Pawtucketville Bridge on Northerly side of Merrimack River before any excavation	Feb. 17, 1937	14
2983	Fence on Front St. being repaired	Feb. 17, 1937	14
2984	Excavation on Northerly side of Merrimack River for temporary bridge, while new Centaville Bridge is being constructed.	Feb. 17, 1937	14
2985	Slasher Bldg. at the Lowell Industrial Development being torn down	Feb. 24, 1937	14
2986	Fence repaired on Front Street	Feb. 24, 1937	14
2987	Boott Mills - Cracks between windows of 2nd and 3rd floors also 1st and 2nd floors of Mill No. 7	Mar. 3, 1937	14
2988	Boott Mills - Cracks between windows of 2nd and 3rd floors also 3rd and 4th floors of Mill No. 7	Mar. 3, 1937	14
2989	Gofkauf's Store, Mill No. 2, L. I. D. Co., Yard side	Mar. 9, 1937	14
2990	Gofkauf's Store, Mill No. 2, L.I.D. Co., Bridge Street Front	Mar. 9, 1937	14
2991	Excavation of Bank of R.H. Side of Merrimack River at Hunts Falls, L. & C. Lot 85	Mar. 9, 1937	14
2992	Roadway made by drag bucket to excavate River Bed at Hunt's Falls, Merrimack River	Mar. 9, 1937	14
2993-A 2993-B	Air Compressor and pipe lines for drilling holes in ledge on left hand bank of Merrimack River above Moody Street Bridge	Mar. 19, 1937	14

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
2994	Tearing down Slasher Bldg. at the L. I. D. Co.	Mar. 19, 1937	14
2995	Entrance to "Thompson Field" From Broadway	Mar. 19, 1937	14
2996	Merrimack River above Moody St. Bridge before the bridge was built, copied from 1897 History of Lowell.	Mar. 19, 1937	14
2997	Excavating bed of Merrimack River below Aiken St. Bridge	Mar. 22, 1937	14
2998	City Of Lowell Financial Diagram	Mar. 22, 1937	14
2999	Excavation of Bank on South Side of Merrimack River at Hunt's Falls, L. & C. , Lot 85	Apr. 12, 1937	14
3000	River Wall where Slasher Bldg. is being razed, L. I. D. Co.	Apr. 22, 1937	14
3001	Fibre Ducts carrying Transmission Lines, incased in concrete, beside River Wall of the Slasher Bldg. L. I. D. Co.	Apr. 22, 1937	14
3002	Ramp and Fill on Slasher Bldg. Site, L. I. D. Co.,	Apr. 22, 1937	14
3003	Site of Store House A & B at L. I. D. Co.,	May 21, 1937	14
3004	Site of Store House A & B at L. I. D. Co.	May 21, 1937	14
3005	Looking towards Store House C on ¹⁵ foot strip that is to be used for widening of Bridge Street	May 21, 1937	14
3006	Erecting temporary suspension bridge across Merrimack River near Bridge Street	May 21, 1937	14
3007	Directing Sign at entrance to L. I. D. Co., Co. on Bridge St.	May 21, 1937	14
3008	Temporary Wooden suspension bridge across Merrimack River near Bridge Street	June 16, 1937	14
3009	New Wire Fence on westerly bank of Pawtucket Canal looking down stream.	June 16, 1937	14
3010	New Wire fence on westerly bank of Pawtucket Canal looking up stream	June 16, 1937	14
3011	3 cracks in Mill #7 at Boott Mills, near bridge on Bridge St. between sidewalk and windows	July 8, 1937	14
3012	2 cracks in Mill #7 (same as above)	July 8, 1937	14
3013	Temporary jetty at Hunts Falls to hold water out in order to excavate bed of river	July 11, 1937	14
3014	Same as above	July 11, 1937	14
3015	Southerly side of Merrimack River, looking upstream, under School Street bridge, showing excavation	July 16, 1937	14

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
3016	Southerly side of Merrimack River, looking upstream, under School St. bridge, showing excavation	July 16, 1937	14
3017	Northerly side of Merrimack River looking upstream under School St. bridge, showing excavation	July 16, 1937	14
3018	Southerly side of Merrimack River looking downstream under School St. bridge, showing excavation	July 16, 1937	14
3019	Northerly side of Merrimack River looking downstream under School St. bridge, showing excavation	July 16, 1937	14
3020	Broadway bridge over Pawtucket Canal showing new coldpatch surface	July 16, 1937	14
3021	Looking upstream, opposite Abbot Islands, at easterly end of cofferdam in Merrimack River	July 29, 1937	14
3022	Looking downstream, opposite "Minuet Tea Room (Merrimack River) at cofferdam	July 29, 1937	14
3023	Southerly side of Merrimack River near easterly end of Stackpole St. showing cofferdam and excavation	July 29, 1937	14
3024	Same as #3023 different view	July 29, 1937	14
3025	Broadway bridge over Pawtucket Canal showing new sidewalks and wooden curbing	Aug. 10, 1937	14
3026	Pawtucket St. bridge over Northern Canal showing new concrete curbing	Aug. 10, 1937	14
3027	E. A. Wilson Co.'s new showroom front	Aug. 10, 1937	14
3028	New wire fence on bank of Hamilton Canal in front of Appleton Co.	Aug. 10, 1937	14
3029	Pole on Pawtucket Canal wall belonging to Pratt & Forrest Lumber Co.	Aug. 14, 1937	14
3030	End of curbing broken on downstream side of Pawtucket St. bridge over Northern Canal	Aug. 14, 1937	14
3031	Merrimack River above School St. bridge showing progress in excavating ledge	Aug. 25, 1937	14
3032A	Looking downstream opposite "Minuet Tea Room" at cofferdams in middle and southerly side of Merrimack River at "Hunts Falls"	Oct. 1, 1937	14
3032B	Continuation of 3032A	Oct. 1, 1937	14
3033	Picture taken from northerly side of Merrimack River looking upstream and showing excavation under arches and around piers of School St. bridge	Oct. 1, 1937	14

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
3034	Picture taken from southerly side of Merrimack River looking upstream and showing excavation etc. (same as 3033)	Oct. 1, 1937	14
3035	Repairing Prescott racks	Oct. 3, 1937	14
3036	Demolishing old Central Bridge across Merrimack River	Oct. 3, 1937	14
3037	Demolishing old Central Bridge and also shows piling around old stone piers	Oct. 3, 1937	14
3038	A Looking downstream between coffer dam and northerly side B of Merrimack River at "Hunts Falls" showing rocks etc. to be cleaned out. Boott gauge 41.90 at 10. a.m.	Oct. 10, 1937	14
3039	Merrimack River at Hunts Falls showing deepening northerly side of channel, also preparing to take off some ledge on bank in rear of "Minuet Tea Room"	Oct. 15, 1937	14
3040	School Street bridge over Merrimack River showing concrete forms and reinforcing rods around rock foundation of middle pier	Nov. 5, 1937	14
3041	Wall above Pawtucket Dam gate house which has been raised. Granite face with concrete backing	Nov. 5, 1937	14
3042	Merrimack River at Hunts Falls looking downstream showing dike and excavation on north side of river	Nov. 6, 1937	14
3043	Merrimack River at Hunts Falls looking upstream showing dikes and excavation on north side of river	Nov. 6, 1937	14
3044	School Street bridge over Merrimack River showing concrete forms on north side of middle pier	Nov. 10, 1937	14
3045	Hunts Falls Nov. 30, 1937. Boott gauge 52.16 at 2.10 p.m.		14
3046	Upstream side of School Street bridge showing dirt dumped on northerly side of river. Water at dam 88.90 at 2.45 p.m.	Nov. 30, 1937	14
3047	Downstream side of School Street bridge showing excavation that has been done on north side of river. Water at dam 88.90 at 2.45 p.m.	Nov. 30, 1937	14
3048	Side track and freight car in Hamilton Mill yard	Nov. 30, 1937	14
3049	Pawtucket Dam, from Varnum Ave. showing L. & C. men cutting channel in front of dam; also ice frozen on dam	Jan. 14, 1938	14
3050	Pawtucket Dam from School Street bridge showing L. & C. men cutting channel in front of dam; also ice frozen on dam	Jan. 14, 1938	14
3051	Progress of new bridge over Eastern Canal on Bridge Street; also shows Gofkauf's new store front	Jan. 14, 1938	14

No.	Description	Date	Book No
3052	Progress of new bridge over Merrimack River on Bridge St.	Jan. 14, 1938	14
3053	Rubbish in Northern Canal looking upstream from Suffolk St.	Feb. 11, 1938	14
3054	" " " " " Cabot St.	Feb. 11, 1938	14
3055	" " " " " Aiken St.	Feb. 11, 1938	14
3056	Gofkauf's store front, Bridge St., Lowell, Mass.	Feb. 11, 1938	14
3057	Progress of new bridge over Merrimack River on Bridge St.	Feb. 11, 1938	14
3058	" " " " " "	Feb. 11, 1938	14
3059	Pawtucket Dam, looking upstream	Mar. 2, 1938	14
3060	" " " downstream	Mar. 2, 1938	14
3061	Indicator posts for sprinkler service in front of Mill #7, Marden & Murphy Inc.	Mar. 14, 1938	14
3062	Progress of bridge over Merrimack River on Bridge St.	Mar. 22, 1938	14
3063	" " " " " "	Mar. 22, 1938	14
3064	" " " " Eastern Canal on Bridge St.	Mar. 22, 1938	14
3065	Location of manhole for L. & C. valve #76, on sidewalk in front of U. S. Postoffice, Lowell, Mass. where Daisy Niles claimed injury Feb. 21, 1938	Mar. 22, 1938	14
3066	Wall along easterly side of Tyng St. put in by the Locks and Canals	Apr. 18, 1938	14
3067	Boys playing baseball on Locks & Canals lot #8, westerly side of Pawtucket Canal above Old Guard Locks	Apr. 18, 1938	14
3068	Central Street bridge open preparatory to putting in 4 new 30" I-beams	Apr. 22, 1938	14
3069	4 new 30" I-beams and 10" cross connection I-beams put in place on Central Street bridge	Apr. 25, 1938	14
3070	Boys playing baseball on Locks and Canals lot #13, easterly side of Pawtucket Canal above Guard Locks	Apr. 26, 1938	14
3070A			
3071	Northerly side of Merrimack River above Moody Street bridge showing ledge excavation along shore	Apr. 26, 1938	14
3072	Northerly side of Merrimack River westerly of Beaver Brook showing dike being made for high water	Apr. 26, 1938	14
3073	Northerly side of Merrimack River below Aiken Street bridge showing excavating river along shore and dike for high water	Apr. 27, 1938	14
3074	Northerly side of Merrimack River easterly of Beaver Brook showing dike being made for high water	Apr. 27, 1938	14

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>No.</u>
3075	Northerly bank of Merrimack River near First St. Oval showing regrading of present bank	Apr. 27, 1938	14
3076	Wall and fence along easterly side of Tyng St. put up by the Locks and Canals	May 9, 1938	14
3077	Cady Bldg. corner of Western Avenue and Fletcher St. northerly side of Pawtucket Canal	May 9, 1938	14
3078	Wooden store & tenement block on upstream side of Centralville bridge at Centralville approach <i>Building</i>	May 18, 1938	14
3079	Approach to Centralville bridge from southerly side	May 18, 1938	14
3080	Centralville bridge from Centralville side	May 18, 1938	14
3081	Asphaltic surface put on roadway over Central Street bridge	May 18, 1938	14
3082	Buildings on L. & C. lots #64-E, 64-D-1, 64-D and 64-D-1 Ford St. from Cabot St.	June 14, 1938	14
3083	Buildings on L. & C. lots #64-C, 64-D, 64-D-1 and 64-E-1. Ford St. from Aiken St.	June 14, 1938	14
3084	Buildings on L. & C. lots 64-B, 64-F, 64-G and 64-H. Ford St. from Aiken St.	June 14, 1938	14
3085	Buildings on L. & C. lots 64-A-1, 64-A-6, 64-A-4. Cheever St. from Pawtucket St.	June 15, 1938	14
3086	L. & C. lots 13-C, 14 and 14-A rear of Wilson's coal yard	June 15, 1938	14
3087	L. & C. lots #16 and 17 Kyan St.	June 15, 1938	14
3088	L. & C. lot #28 between Dutton St. and Swamp Locks basin	June 15, 1938	14
3089	L. & C. lots 17-D-4 and 17-D-2 also portion of lot #15	June 15, 1938	14
3090	Jos. J. Flynn's sign on lot #89, Lakeview Ave. opposite Bunker Hill Ave.	June 15, 1938	14
3091	Jos. J. Flynn's sign on lot #89, Lakeview Ave. opposite Ferry Lane	June 15, 1938	14
3092	Concord River at Middlesex Dam showing high water	July 28, 1938	14
3093	Concord River (same as #3092 different view)	July 28, 1938	14
3094	Part of lot #27 on bank of Western Canal near Worthen St.	July 28, 1938	14
3095	Part of lot #27 and lot #24 between Worthen and Dutton Sts. on banks of Western Canal	July 28, 1938	14
3096	Lot #80-F rear of Rex Center	July 28, 1938	14

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
3097	Lot #43 - 12 Coolidge St.	July 28, 1938	14
3098	Slasher Bldg. area and river wall	Aug. 4, 1938	14
3099	" " " " " "	Aug. 4, 1938	14
3100	Merrimack St. bridge over Western Canal during construction of middle section	Aug. 26, 1938	14
3101	Pawtucket St. bridge over Pawtucket Canal being repaired	Sept. 17, 1938	14
3102	Pawtucket Dam. Elev. of water 85.92 at 2.30 p.m.	Sept. 29, 1938	14
3103	Pawtucket Dam. Elev. of water 83.60 at 10.45 a.m.	Oct. 7, 1938	14
3104	Francis Gate house. Roof being repaired because of tree which fell on it during hurricane of Sept. 21, 1938	Oct. 7, 1938	14
3105	Aiken St. dump showing tree stumps left there after the Sept. 21, 1938 hurricane	Nov. 2, 1938	14
3106	Aiken St. dump showing tree branches left there after the Sept. 1938 hurricane	Nov. 2, 1938	14
3107	Aiken St. dump showing tin cans and rubbish, also dike for high water	Nov. 2, 1938	14
3108	Lot #84 Stackpole St. showing branches and tree left there after Sept. 21, 1938 hurricane	Nov. 2, 1938	14
3109	Francis Gate house showing repairs finished on roof due to Sept. 21, 1938 hurricane	Nov. 2, 1938	14
3110	School Street bridge over Merrimack River showing repairs, such as new footings for piers, steel noses on piers and guniting around piers, arches and abutments	Nov. 21, 1938	14
3111	Shoe rack that was broken in Mill #1, Section 7 Elevator at the Lowell Industrial Development Co.	Dec. 28, 1938	14
3112	Mill #1, Section 7 Elevator at the Lowell Industrial Development Company which had one cable broken on it.	Dec. 28, 1938	14
3113	Broken fence caused by auto accident, opposite Hunts Falls in Merrimack River on Lowell and Lawrence Boulevard	Jan. 2, 1939	14
3114	Merrimack Mfg. Co.'s "Tremont Mill #2" looking southwest from Hall St.	Jan. 19, 1939	14
3115	Merrimack Mfg. Co.'s "Tremont Mill #2" looking northwest from Tremont St.	Jan. 19, 1939	14
3116	Three of the four generators in the Tremont wheel house	Jan. 19, 1939	14
3117	of Mill #2		
3118	Lowell Industrial Development Co. boiler house inside	Mar. 8, 1939	14

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
3119	Pawtucket Dam looking upstream 10.30 a.m.	Mar. 14, 1939	14
3120	Pawtucket Dam looking downstream 10.30 a.m.	Mar. 14, 1939	14
3121	Easterly sidewalk showing concrete slab in front of Armour & Co. at 2 Thorndike St., Lowell, Mass. looking southeast towards B & M RR station	Apr. 12, 1939	14
3122	Easterly sidewalk showing concrete slab in front of Armour & Co. at 2 Thorndike St., Lowell, Mass. looking northwest towards Dutton St.	Apr. 12, 1939	14
3122-A	Lowell Industrial Development Co. taken at junction of Merrimack and Concord Rivers	May 15, 1939	14
3123	Guides of Appleton Co.'s new #4 wheel 38" Rodney Hunt (poor negative)	June 5, 1939	14
3124	Buckets of Appleton Co.'s new #4 wheel 38" Rodney Hunt	June 8, 1939	14
3125	Portion of old timber bulkhead removed and concrete one being put in at head of Northern Canal	July 25, 1939	14
3126	Some of timbers taken out of bulkhead at head of Northern Canal	July 25, 1939	14
3127	New concrete bulkhead and flood wall at head of Northern Canal, upstream side	Aug. 11, 1939	14
3128	New concrete bulkhead, platform and flood wall at head of Northern Canal, downstream side	Aug. 11, 1939	14
3129	Children swimming in Merrimack River in rear of Aiken St. playground	Aug. 24, 1939	14
3130	Bathers at municipal bathing beach on northerly side of Merrimack River above Pawtucket Dam <i>swimming</i>	Aug. 24, 1939	14
3131	Boys swimming from boom in Pawtucket Canal above Guard Locks	Aug. 24, 1939	14
3132	Boys swimming in Pawtucket Canal above Railroad bridge across from Wilson Coal yard	Aug. 24, 1939	14
3133	Boys swimming from boom in Swamp Locks basin	Aug. 24, 1939	14
3134	Boys and girls swimming at Hickey Hall dam in Lower Western Canal	Aug. 24, 1939	
3135	Paradise Diner at the corner of Amory and Bridge Sts.	Aug. 24, 1939	
3136	Lowell Industrial Development Co. tenants' sign and factory space sign on Clothroom Bldg.	Aug. 24, 1939	
3137	Canal Street-fence and lumber logs looking from Kearney Sq.	Dec. 12, 1939	
3138	Canal Street- fence looking down Eastern Canal from Kearney Square	Dec. 12, 1939	

<u>No.</u>	<u>Description</u>	<u>Date</u>	<u>Book No.</u>
3139	Wire fence from Lowell Ind. Dev. Co. bridge over Eastern Canal to Bridge St. bridge over Eastern Canal	Dec. 12, 1939	
3140	Wire fence along Bridge St. and iron rail bridge fence over canal in front of the Lowell Ind. Dev. Co.	Dec. 12, 1939	
3141	End of 48" concrete pipe surface drain showing thru Pawtucket Canal wall, looking towards corner of Payne and School Sts. (see also #3148)	Feb. 27, 1940	
3142	48" concrete pipe surface drain looking from Payne St. towards Pawtucket Canal.	Feb. 27, 1940	
3143	Victor Provencher's filling station and Cocoa-Cola Bottling Co. 91-B Lot	Feb. 27, 1940	
3144	Cave in of portion of wall and racks of inner canal at the Merrimack Mfg. Co.	Mar. 26, 1940	
3145	Men puddling concrete for new wall of inner canal at the Merrimack Mfg. Co.	Apr. 2, 1940	
3146	Forms for new wall of inner canal at the Merrimack Mfg. Co.	Apr. 2, 1940	
3147	Concrete mat in front of racks in inner canal at the Merrimack Mfg. Co. wall	Apr. 5, 1940	
3148	Forms for concrete face wall beyond end of racks in inner canal at Merrimack Mfg. Co.	Apr. 5, 1940	
3149	End of 48" concrete pipe surface drain showing thru right hand side of Pawtucket Canal wall below School St.	Aug. 26, 1940	
3150	Repaired defective sidewalk in front of Gofkauf's store on Bridge St.	Oct. 24, 1940	
3151	Lots 2-B, 2-B-1 and 2-D looking towards Thorndike St.	Oct. 24, 1940	
3152	Lots 2-C and 2-B looking towards Nashua and Lowell R.R. location	Oct. 24, 1940	
3153	Pipe bridge crossing Western Canal below Market St. for Federal Housing Project	Feb. 10, 1941	
3154	Bridge across Eastern Canal in rear of Gookin Furniture Co.	Feb. 18, 1941	
3155	Broken fence in rear of Gookin Furniture Co.	Feb. 18, 1941	
3156	Artesian wells and pipe line for Gage Co.'s artificial ice plant in Pawtucket St.	Apr. 21, 1941	

Proprietors of the Locks and Canals
on Merrimack River Photographs

Appendix 2

PL&C Miscellaneous Negatives. This is the sequential numerical list of X-prefix negatives and their prints created by the Proprietors between October 18, 1896, and Nov. 28, 1899. The list contains 26 entries and all have dates but only X-1 through X-16 are identified by subject.

March 31, 1920. Miscellaneous Negatives.

X0		
X1	Armour Foundation	Oct. 18, 1896
X2	" "	" "
X3	" "	" "
X4	Hamilton Mfg. Co's. Foundation	Oct. 25, 1896
X5	" " " "	Nov. 15, 1896
X6	Armour Foundation	" " "
X7	Canals in vicinity of Lowell Machine Shop.	Nov. 22, 1896
X8	" " " " " "	" " "
X9	" " " " " "	" " "
X10	" " " " " "	" " "
X11	View of Pawtucket Canal	Dec. 5, 1897
X12	" " " " " "	" " "
X13	" " " " " "	" " "
X14	" " " " " "	" " "
X15	" " " " " "	" " "
X16	" " " " " "	" " "
X17		Sept. 11, 1897
X18		" " "
X19		" " "
X20		" " "
X21		" " "
X22		" " "
X23		Nov. 28, 1899
X24		" " "
X25		" " "

Proprietors of the Locks and Canals
on Merrimack River Photographs

Appendix 3

PL&C Alphabetical Index to Photograph Plates, A-M. This is a partial index complementing the sequential numerical list in Appendix 1.

P. L. & C Photo List Appendices

A, C, D, E, F, G, H, I, J, K, L, & M

From Jan. 1, 1928 to date

A

Accident - location of manhole for L & C valve #76, on sidewalk in front of U. S. Postoffice, Lowell, Mass. where Daisy Niles calimed injury Feb. 21, 1938	#3065	Mar. 22, 1938
Aiken St. dump near Conduit St. looking northwest - location of end of proposed 6" drain in -	2624	Sept. 28, 1931
ditto looking southeast	2625	" " "
Aiken St. bridge and bank of Merrimack River adjoining - northerly end and westerly side of -	2667	Mar. 2, 1932
Aiken St. dump - Maxey's side show at -	2735	Aug. 9, 1933
Aiken St. dump - City no dumping sign on -	2816	Jan. 9, 1935
Aiken St. dump - general view of, looking easterly across Beaver Brook	2819 2819A	Jan. 11, 1935
Aiken St. bridge over Merrimack River during flood	2918A	Mar. 20, 1936
Aiken St. dump showing tree stumps left there after the Sept. 21, 1938 hurricane	3105	Nov. 2, 1938
Aiken St. dump showing tree branches left there after the Sept. 1938 hurricane	3106	Nov. 2, 1938
Aiken St. dump showing tin cans and rubbish, also dike for high water	3107	Nov. 2, 1938
Air compressor and pipe lines for drilling holes in ledge on left hand bank of Merrimack River above Moody St. bridge	2993A 2993B	Mar. 19, 1937
Ames Worsted Co. - reconstructing headworks and racks in rear of	2617	Aug. 25, 1931
" " " - reconstruction of headworks & racks in rear of - Wamesit Power Co. Looking downstream	2621	Sept. 13, 1931
2 negatives	2622	" " "
ditto looking upstream		
Appleton and Hamilton Mills looking east	2375A	Mar. 1928
Appleton Company and Assets Realizations Co. - Lower Pawtucket Canal showing 4" steam pipe between -	2454	May 23, 1929
Appleton Company and Assets Realization Co. - transmission lines from -	2500	Jan. 11, 1930
ditto	2501	Jan. 11, 1930
Appleton and Hamilton Mills - transmission lines and steam pipes from Bigelow to -	2729	June 16, 1933
Appleton Co. - guides of new #4 wheel - 38" Rodney Hunt	3123	June 5, 1939
Appleton Co. - buckets of " " " " " "	3124	June 8, 1939

A (cont.)

Approach to Centralville bridge from southerly side	#3079	May 18, 1938
Area over Merrimack Canal between Market St. and Y.M.C.A.	2532	Apr. 23, 1930
ditto	2533	" " "
Assets Realization Co. and Appleton Co. - Lower Pawtucket Canal showing 4" steam pipe between -	2454	May 23, 1929
Assets Realization Co. to Mill #7 of Marden & Murphy, Hamilton yard - 2" steam pipe over Lower Pawtucket Canal from -	2498	Nov. 26, 1929
Assets Realization Co. - transmission lines from Appleton Co. to ditto	2500 2501	Jan. 11, 1930 " " "
Automobile drowning accident at end of Merrimack Canal looking from French St. picture taken at 8.30 a.m.	2630	Oct. 20, 1931
ditto " " " 3.00 p.m.	2631	" " "

Cables, electric, being put in under Bridge St. bridge from Mass. Mills to Boott Mills	#2534	Apr. 23, 1930
Cady Bldg. corner of Western Ave. and Fletcher St. northerly side of Pawtucket Canal	#3077	May 9, 1938
Canal St. bridge - Nashua, N. H.	#2409	Aug. 27, 1928
Canal St. bridge - " showing roadway	#2410	Aug. 27, 1928
Canal, Eastern, looking downstream from Bridge St.	#2412	Sept. 9, 1928
Canal, do " Boott office	#2413	Sept. 9, 1928
Canal, do " #6 racks	#2414	Sept. 9, 1928
Canal, Northern, - Suffolk St. boom in -; also Nashua Mfg. Co.'s conveyor bridge	#2416	Oct. 4, 1928
Canal, Eastern, wall - opening to let in water from Boott penstock	#2417	Oct. 15, 1928
Canal, do	#2418	Oct. 15, 1928
Canal, Western - Suffolk St. fence from Jefferson to Market Sts.	#2421	Oct. 25, 1928
Canal, Hamilton, south side - broken concrete wall at end of -	#2424	Nov. 20, 1928
Canal, do looking north	#2425	Nov. 20, 1928
Canal wall, Northern, north side, below School St. bridge looking downstream. Elev. of water 82.60 at 12.30 pm	#2441	Mar. 26, 1929
Canal wall, Northern, south side, do Elev. of water 81.10 at 12.05 pm	#2442	Mar. 27, 1929
Canal wall, Northern, north side, below School St. bridge looking upstream. Elev. of water 81.50 at 12.10 pm	#2443	Mar. 27, 1929
Canal wall do	#2444	Mar. 27, 1929
Canal, Western, looking downstream between Market & Jefferson Sts.	#2445	Mar. 27, 1929
Canal, Western, between Jefferson and Broadway Sts. looking downstream	#2447	Mar. 27, 1929
Canal, Hamilton, looking upstream	#2467	June 24, 1929
Canal, Eastern, looking upstream - lefthand side Merrimack wasteway wall at end of -	#2471	June 28, 1929
Canal, Eastern, looking downstream - lefthand side of wall at end of -	#2472	June 28, 1929
Canal, Eastern - bridge for L & C 24" pipe across -	#2481	Sept. 23, 1929
Canal do	#2482	Sept. 23, 1929

Canal, Eastern - L & C 24" pipe across -	#2483	Sept. 26, 1929
Canal Street - laying L & C 20" main on -	#2491	Oct. 24, 1929
Canal, Merrimack between Market St. and Y.M.C.A. - area over -	#2532	Apr. 23, 1930
Canal do	#2533	Apr. 23, 1930
Canal St. railroad crossing in Kearney Sq. - spike in north sidewalk of -	#2538	June 17, 1930
Canal at Boston Mfg. Co., Waltham, Mass.	#2543	July 15, 1930
Canal and dam, part of, of Boston Mfg. Co., Waltham, Mass.	#2545	July 15, 1930
Canal, Hamilton - new walls at end of -	#2563	Aug. 12, 1930
Canal, Northern - iron fence on Ford St. below High Bridge which was broken about Jan. 12, 1931	#2578	
Canal, Eastern - rubbish on sidewalk in rear of Brockelman's restaurant	#2581	Feb. 2, 1931
Canal, Pawtucket, through 12" U.I. pipe under School St. bridge at 2.30 p.m. - tar oil etc. from Lowell Gas Light Co. emptying into -	#2595	May 6, 1931
Canal, Pawtucket - do	#2596	May 6, 1931
Canal, Pawtucket - do at 8.45 a.m.	#2597	May 7, 1931
Canal St. at entrance to Kearney Square - rubbish etc. on -	#2599	May 16, 1931
Canal, Pawtucket, at Thompson's Field - fence repaired & holes filled in on east side of -	#2601	May 27, 1931
Canal, Pawtucket - sign put up to keep boys out of canal; also new hole in fence	#2604	June 1, 1931
Canal, Western, near junction of Pawtucket Canal where little girls was drowned	#2605	June 18, 1931
Canal, Eastern, from Kearney Square bridge looking downstream	#2628	Oct. 14, 1931
Canal, Merrimack, looking from French St. - location of automobile drowning accident at end of - Picture taken at 8.30 am	#2630	Oct. 20, 1931
Canal, Merrimack, looking from Dutton St. - location of automobile drowning accident at end of - picture taken at 3.00 p.m.	#2631	Oct. 20, 1931

Canal, Eastern, looking downstream - sidewalk along L & C 5 foot strip, east side of -	#2637	Nov. 25, 1931
Canal, Eastern, west side, near Kearney Square opposite new post office	#2638	Nov. 25, 1931
Canal, Eastern, -sidewalk along 5 foot strip east side of - looking downstream	#2640	Dec. 23, 1931
Canal St. near Kearney Sq. at 11.20 a.m.	#2645	Dec. 24, 1931
Canal, Hamilton, - end of -	#2648	Jan. 4, 1932
Canal, Eastern, at Lower Locks dam - new fence east side of -	#2658	Mar. 2, 1932
Canal, Pawtucket, above Guard Locks - fence west of -	#2659	Mar. 2, 1932
Canal, Pawtucket, near Red Bridge - fence on Kyan St. north- easterly side of -	#2660	Mar. 2, 1932
Canal, Pawtucket, opposite Merrimack Valley Supply Co. - fence on Kyan St. northerly side of -	#2661	Mar. 2, 1932
Canal, Hamilton, from Appleton bridge looking west - fence on Jackson St., south side of -	#2662	Mar. 2, 1932
Canal, Hamilton, from Saco bridge looking west - fence on Jackson St. south side of -	#2663	Mar. 2, 1932
Canal, Hamilton, from Saco bridge looking east - fence on Jackson St. south side of -	#2664	Mar. 2, 1932
Canal, Pawtucket, above Guard Locks showing holes - fence east side of -	#2665	Mar. 2, 1932
Canal, Northern at foot of Race Street - stop signs put up by City on Ford St. Fence south side of -	#2666	Mar. 2, 1932
Canal, Northern, above High Bridge - fence on northerly side of -	#2668	Mar. 2, 1932
Canal, Eastern, opposite post office - new wall and fence on westerly side of -	#2670	Mar. 16, 1932
Canal St. near Kearney Square - driving artesian well on -	#2709	Feb. 18, 1933
Canal, Eastern - Sterling Motor Lines truck whose rear wheels went through L.I.D. Co.'s bridge over -	#2722	Apr. 7, 1933
Canal, Pawtucket - building over - Lot #28-A	#2761	Jan. 22, 1934
Canal, Northern, looking downstream from School St.	#2763	Feb. 8, 1934
Canal, Lawrence - end of -	#2764	Feb. 8, 1934
Canal, Western, looking upstream from Moody St.	#2765	Feb. 8, 1934

Canal, Northern, looking downstream from Cabot St.	#2766	Feb. 8, 1934
Canal, Eastern - fence and gate in rear of Gookins Furniture store near -	#2774	May 28, 1934
Canal, Eastern - fence and gate repaired in rear of Gookins Furniture Store near -	#2776	June 14, 1934
Canal, Eastern near Lower Locks - plank put on west end of bridge over -	#2777	June 14, 1934
Canal St. looking towards L. I. D. Co.	#2789	Aug. 2, 1934
Canal St. looking towards Kearney Square	#2790	Aug. 2, 1934
Canal, Northern, above Cabot St. - rubbish and garbage on ice in	#2828	Mar. 14, 1935
Canal, Northern, above Suffolk St. - do	#2829	Mar. 14, 1935
Canal St., Kearney Sq. - cars parked on L & C land on -	#2835	Apr. 3, 1935
Canal St. - L & C No Trespassing signs and cars parked on -	#2836	Apr. 3, 1935
Canal St. - parking sign on -	#2886	Dec. 27, 1935
Canal, Northern, from Suffolk to Cabot St. - rubbish on ice in -	#2895	Mar. 4, 1936
Canal, Northern, from Cabot to Aiken St. - do	#2896	Mar. 4, 1936
Canal, Northern, from Aiken to Pawtucket St. - do	#2897	Mar. 4, 1936
Canal, Northern, during flood - Merrimack River flowing into -	#2909B	Mar. 20, 1936
Canal, Northern - Merrimack River below School St. bridge, showing high water flowing into - Elev. of water at dam 101.82 at 3.00 p.m.	#2915	Mar. 20, 1936
Canal, Northern - Moody St. waste gates, showing how foundation was washed away during freshet	#2919	Mar. 31, 1936
Canal, Northern, wall in rear of Ayer Home showing capstone washed off by freshet	#2921	Mar. 31, 1936
Canal, Northern, wall above Moody St. showing leakage through wall	#2922	Mar. 31, 1936
Canal, Merrimack - fence which was broken when an automobile backed into canal	#2933	Apr. 27, 1936
Canal, Merrimack - do (different view)	#2934	
Canal, Northern - Moody St. gate house on - showing how foundation was washed away	#2936	May 13, 1936
Canal, Northern, wall under Moody St. gate house - repairs being made to -	#2937	May 29, 1936

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Canal, Northern, wall under Moody St. gate house - repairs being made to -	#2938	June 5, 1936
Canal, Northern, wall under Moody St. do	#2939	June 11, 1936
Canal, Northern, wall - Derrick and concrete mixer on Moody St. bridge used for repairs to wall	#2940	June 11, 1936
Canal, Northern, wall under Moody St. gate house - repairs to	#2941	June 19, 1936
Canal, Northern, wall opposite Ayer Home - break in - canal side	#2942	June 20, 1936
Canal, Northern, do river "	#2943	June 20, 1936
Canal, Northern, wall, right hand side, below School St. - holes in -	#2944A	June 20, 1936
Canal, Northern, wall do	#2944B	June 20, 1936
Canal, Northern, wall under Moody St. gate house - repairs to -	#2945	June 26, 1936
Canal, Northern, wall opposite Ayer Home - break in - Canal side	#2946	June 27, 1936
Canal, Northern, do	#2947A	June 27, 1936
Canal, Northern, looking towards Moody St.	#2947B	June 27, 1936
Canal, Northern, wall under Moody St. gate house - repairs to -	#2948	July 3, 1936
Canal, Northern, do finished	#2949	July 8, 1936
Canal, Northern, wall in rear of Ayer Home - repairs to -	#2950A #2950B	July 11, 1936
Canal, Northern, wall above Moody St. showing leakage through wall	#2951	July 14, 1936
Canal, Northern, wall in rear of Ayer Home - repairs to - elev. canal 77.1 at 2.30 p.m.	#2952	July 17, 1936
Canal, Northern, wall, river side opposite Ayer Home, showing leakage with canal at elev. 77.1 at 2.30 p.m.	#2953	July 17, 1936
Canal, Northern, wall in rear of Ayer Home - repairs to	#2954	July 18, 1936
Canal, Northern, wall in rear of Ayer Home - leakage through -	#2955	July 20, 1936
Canal, Northern, wall - repairs to	#2958	July 25, 1936
Canal, Northern, wall was repaired - leakage stopped after -	#2959	July 27, 1936
Canal, Northern, wall, canal side - repairs to -	#2962	Aug. 1, 1936

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Canal, Northern, wall, Merrimack River side - footing at foot of	#2963	Aug. 6, 1936
Canal, Northern, flood wall - westerly end of -	#2969	Oct. 8, 1936
Canal, Northern, " "	#2970	Oct. 8, 1936
Canal, Northern, wall from Moody Street bridge	#2971	Oct. 9, 1936
Canal, Northern, wall - figures put on by Textile boys	#2972	Oct. 9, 1936
Canal, Northern, flood wall	#2973A #2973B	Oct. 9, 1936
Canal, Pawtucket - concrete block for holding boom at head of	#2974 #2975	Oct. 21, 1936
Canal, Northern, gate house - new fence in front of -	#2977	Oct. 21, 1936
Canal, Pawtucket, looking down stream - new wire fence on westerly bank of -	#3009	June 16, 1937
Canal, Pawtucket, looking upstream - new wire fence on westerly bank of -	#3010	June 16, 1937
Canal, Hamilton, in front of Appleton Co. - new wire fence on bank of -	#3028	Aug. 10, 1937
Canal, Pawtucket, wall be pole ion , belonging to Pratt & Forrest Lumber Co.	#3029	Aug. 14, 1937
Canal, Northern, looking upstream from Suffolk St. - rubbish in	#3053	Feb. 11, 1938
Canal, Northern, do " Cabot St.	#3054	Feb. 11, 1938
Canal, Northern, do " Aiken St.	#3055	Feb. 11, 1938
Canal, Eastern, on Bridge St. - Progress of bridge over -	#3064	Mar. 22, 1938
Canal, Pawtucket - wall along easterly side of Tyng. St. put in by the L & C	#3066	Apr. 18, 1938
Canal, Pawtucket above Old Guard Locks - Boys playing baseball on L & C Lot #8, westerly side of -	#3067	Apr. 18, 1938
Canal, Eastern, on Bridge St. - Progress of new bridge over - also shows Gofkauf's new store front	#3051	Jan. 14, 1938
Canal, Pawtucket, above Guard Locks - Boys playing baseball on L & C Lot #13, easterly side of -	#3070 #3070A	Apr. 26, 1938
Canal, Pawtucket - Wall and fence along easterly side of Tyng St. put up by L & C	#3076	May 9, 1938

Canal, Pawtucket - Cady Bldg. corner of Western Ave. and Fletcher St. northerly side of -	#3077	May 9, 1938
Canal, Western, near Worthen St. - part of lot #27 on bank of -	#3094	July 28, 1938
Canal, Western - part of lot #27 and lot #24 between Worthen and Dutton Sts. on banks of -	#3095	July 28, 1938
Canal, Northern - portion of old timber bulkhead removed and concrete one being put in at head of -	#3125	July 25, 1939
Canal, Northern - some of timbers taken out of bulkhead at head of -	#3126	July 25, 1939
Canal, Northern - new concrete bulkhead and flood wall at head of - upstream side	#3127	Aug. 11, 1939
Canal, Northern - downstream side - new concrete bulkhead, platform and flood wall at head of -	#3128	Aug. 11, 1939
Canal, Pawtucket, above Guard Locks - Boys swimming from boom in-	#3131	Aug. 24, 1939
Canal, Pawtucket, above railroad bridge across from Wilson yard - Boysswimming in -	#3132	Aug. 24, 1939
Canal, Lower Western - Boys and girls swimming at Hickey Hall dam in -	#3134	Aug. 24, 1939
Canal street fence and lumber logs looking from Kearney Sq.	#3137	Dec. 12, 1939
Canal Street fence looking down Eastern Canal from Kearney Sq.	# 3138	Dec. 12, 1939
Canal, Eastern, to Bridge St. bridge over Eastern Canal - Wire fence from L. I. D. Co. bridge over -	#3139	Dec.12, 1939
Canal, Eastern, in front of the L. I. D. Co. - Wire fence along Bridge St. and iron rail bridge fence over -	#3140	Dec. 12, 1939
Canal, Pawtucket, wall, looking towards corner of Payne and School Sts. End of 48" concrete pipe surface drain showing thru - (see also #3148)	#3141	Feb. 27, 1940
Canal, Pawtucket - 48" concrete pipe surface drain looking from Payne St. towards -	#3142	Feb. 27, 1940
Canal at Merrimack Mfg. Co. - Cave in of portion of wall and racks of inner -	#3144	Mar. 26, 1940
Canal at Merrimack Mfg. Co. - Men puddling concrete for new wall of inner -	#3145	Apr. 2, 1940
Canal at Merrimack Mfg. Co. - Forms for new wall of inner -	#3146	Apr. 2, 1940

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Canal at the Merrimack Mfg. Co. - Concrete mat in front of racks in inner -	#3147	Apr. 5, 1940
Canal at Merrimack Mfg. Co. - Forms for concrete face wall beyond end of racks in inner -	#3148	Apr. 5, 1940
Canal, Pawtucket, wall below School St. - End of 48" concrete pipe surface drain showing thru righthand side of -	#3149	Aug. 26, 1940
Canal, Western, below Market St. for Federal Housing Project - Pipe bridge crossing -	#3153	Feb. 10, 1941
Canal, Eastern, in rear of Gookin Furniture Co. - Bridge across	#3154	Feb. 18, 1941
Canal, Eastern - Broken fence in rear of Gookin Furniture Co.	#3155	Feb. 18, 1941
Capstone washed off by freshet - Northern Canal wall in rear of Ayer Home showing -	#2921	Mar. 31, 1936
Cave in of portion of wall and racks of inner canal at the Merrimack Mfg. Co.	#3144	Mar. 26, 1940
Central St. bridge looking towards Merrimack St.	#2654	Jan. 29, 1932
Central St. " " " Gorham St.	#2655	Jan. 29, 1932
Central St. bridge showing repairs between tracks made by Eastern Mass. Rwy. Co. Picture taken	#2683	July 19, 1932
Central St. bridge showing holes	#2935	Apr. 30, 1936
Central St. bridge open preparatory to putting in 4 new 30" I-beams	#3068	Apr. 22, 1938
Central St. bridge - 4 new 30" I-beams and 10" cross connection I-beams put in place on -	#3069	Apr. 25, 1938
Central St. bridge - Asphaltic surface put on roadway over -	#3081	May 18, 1938
Centralville bridge across Merrimack River - Demolishing old -	#3036	Oct. 3, 1937
Centralville bridge - Demolishing old - and also shows piling around old stone piers	#3037	Oct. 3, 1937
Centralville bridge over Merrimack River on Bridge St. - Progress of new -	#3057	Feb. 11, 1938
Centralville bridge do	#3058	Feb. 11, 1938
Centralville bridge over Merrimack River on Bridge St. - Progress of -	#3062	Mar. 22, 1938
Centralville bridge do	#3063	Mar. 22, 1938
Centralville bridge at Centralville approach - Wooden store & tenement block on upstream side of -	#3078	May 18, 1938

Centralville bridge - Approach from southerly side to -	#3079	May 18, 1938
Centralville bridge from Centralville side	#3080	May 18, 1938
Cheever and Aiken Sts. - Lowell Ice Co.'s filling station corner of -	#2542	July 1930
Cheever St. park - sidewalk in front of -	#2579	Jan. 30, 1931
Cheever St. park and adjacent to #136 Cheever St. - Portion of sidewalk in front of -	#2580	Jan. 30, 1931
Cheever St., 200 and 202, Lot #64-A-4 - L & C land leased to Emile Lemire	#2684	July 22, 1932
Cheever St. do (different view)	#2685	July 22, 1932
Cheever St. from Pawtucket St. - Buildings on L & C lots #64-A-1, 64-A-6, 64-A-4 -	#3085	June 15, 1938
Chipewa Street, 40-44	#2882	Dec. 18, 1935
Clothroom Bldg. at the Mass. Mills	#2521	Mar. 10, 1930
Clothroom Bldg., 3d floor, Mass. Mills	#2529	Mar. 13, 1930
Clothroom Bldg. - new stairway and entrance for Sullivan Bros. printers to 2d floor - L.I.D.	#2893	Jan. 27, 1936
Cold House, old, being removed - laying L & C 20" main, showing part of concrete foundation of old -	#2489	Oct. 16, 1929
Cold House do	#2490	Oct. 16, 1929
Concord River looking downstream from East Merrimack St.	#2726	Apr. 20, 1933
Concord River " upstream " " "	#2727	Apr. 20, 1933
Concord, River - Leaks under Middlesex Dam	#2791	Aug. 21, 1934
Concord River - " " " "	#2792	Aug. 21, 1934
Concord River wall - Ramp and fill on Slasher Bldg. site, L.I.D.	#3002	Apr. 22, 1937
Concord River wall where Slasher Bldg. is being razed. "	#3000	Apr. 22, 1937
Concord River at Middlesex dam, showing high water	#3092	July 28, 1938
Concord River do (different view)	#3093	July 28, 1938
Conduit St. looking across Beaver Brook showing high water	#2901	Mar. 14, 1936
Construction of new Post Office, Lowell, Mass. (2 negatives)	#2592	Apr. 3, 1931
Coolidge St., #12 - lot #43	#3097	July 28, 1938

C

Covers, gate well, over L & C valves in Saco-Lowell yard, put on by John Simpson, contractor	#2639	Nov. 25, 1931
Crack in concrete wall at end of Hamilton Canal, south side	#2424	Nov. 20, 1928
Crack in " " around end of Hamilton Canal, looking north	#2425	Nov. 20, 1928
Cracks in 30" pipe taken out at break on 6th St., Lowell, Mass.	#2590	Mar. 31, 1931
Cracks in 30" pipe do	#2591	Mar. 31, 1931
Cracks between windows of 2d and 3d floors of Boott Mills, also 1st and 2d floors of Mill #7	#2987	Mar. 3, 1937
Cracks between windows of 2d and 3d floors of Boott Mills, also 3d and 4th floors of Mill #7	#2988	Mar. 3, 1937
Cracks (3) in Mill #7 at Boott Mills, near bridge on Bridge St. between sidewalk and windows	#3011	July 8, 1937
Cracks (2) in Mill #7 do	#3012	July 8, 1937
Curbing - Broadway bridge over Pawtucket Canal showing new sidewalks and wooden -	#3025	Aug. 10, 1937
Curbing - Pawtucket St. bridge over Northern Canal showing new concrete -	#3026	Aug. 10, 1937
Curbing, end of, broken on downstream side of Pawtucket St. bridge over Northern Canal	#3030	Aug. 14, 1937

D

Dam of Boston Mfg. Co. on Charles River, Waltham, Mass.	#2544	July 15, 1930
Dam " " , part of - " "	#2545	July 15, 1930
Dam and flood wall at Old Guard Locks. Elev. of water 101.77 at 2.30 p.m.	#2910	Mar. 20, 1936
Dam, flood, at Old Guard Locks and water in Thompsons Field Elev. of water 101.77 at 2.30 p.m.	#2911A #2911B	Mar. 20, 1936
Dam across B & M RR tracks above Wilder St. during high water	#2912	Mar. 20, 1936
Dam do	#2913	Mar. 20, 1936
Dam, Pawtucket, looking upstream	#3059	Mar. 2, 1938
Dam, " " downstream	#3060	Mar. 2, 1938
Dam, " . Elev. of water 85.92 at 2.30 p.m.	#3102	Sept. 29, 1938
Dam, " " " 83.60 at 10.45 a.m.	#3103	Oct. 7, 1938
Dam, " , looking upstream. 10.30 a.m.	#3119	Mar. 14, 1939
Dam, " " downstream 10.30 a.m.	#3120	Mar. 14, 1939
Davis & Sargent Lumber Co. land conveyed by L & C Dec. 26, 1924. Area 87,727	#2838	Apr. 18, 1935
Derrick and concrete mixer on Moody St. bridge used for repairs to wall	#2940	June 11, 1936
Dexter & Son, R. K., buildings at the corner of Fletcher and Dutton Sts.	#2469	June 24, 1929
Dexter & Son, R. K. do	#2470	June 24, 1929
Diagram, flood, showing flood of	#2915A	Mar. 20, 1936
Diagram - City of Lowell Financial -	#2998	Mar. 22, 1937
Dike and excavation on north side of river - Merrimack River at Hunts Falls looking downstream showing -	#3042	Nov. 6, 1937
Dike and do looking upstream	#3043	Nov. 6, 1937
Dike being made for high water - Northerly side of Merrimack River westerly of Beaver Brook showing -	#3072	Apr. 26, 1938
Dike for high water - Northerly side of Merrimack River below Aiken St. bridge showing excavating river along shore and -	#3073	Apr. 27, 1938

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Dike being made for high water - Northerly side of Merrimack River easterly of Beaver Brook showing -	#3074	Apr. 27, 1938
Dike for high water - Aiken St. dump showing tin cans and rubbish, also -	#3107	Nov. 2, 1938
Diner, Paradise, at the corner of Amory and Bridge Sts.	#3135	Aug. 24, 1939
Ditch in which 24" main on Kearney Sq. will be laid showing foundation of old #12 Mill of the Pepperell Mfg. Co.	#2492	Nov. 8, 1929
Ditch being dug in Tyng St. for 20" city pipe looking south towards Broadway	#2603	May 28, 1931
Ditch open for City 20" pipe on School St. over Merrimack River and Northern Canal. Shows end of canal curtain wall	#2606	June 19, 1931
Diver shuts valve under water at Merrimack Mfg. Co. during flood of	#2917A	Mar. 20, 1936
Document No.314 - copy of L & C -	#2389	May 28, 1928
Drain, proposed 6", in Aiken St. dump, near Conduit St. looking northwest - Location of end of -	#2624	Sept. 28, 1931
Drain, proposed 6", do looking southeast	#2625	Sept. 28, 1931
Drain, End of 48" concrete pipe surface - showing thru Pawtucket Canal wall, looking towards corner of Payne and School Sts. (see also #3148)	#3141	Feb. 27, 1940
Drain, 48" concrete pipe surface - looking from Payne St. towards Pawtucket Canal	#3142	Feb. 27, 1940
Drain, End of 48" concrete pipe surface - showing thru right hand side of Pawtucket Canal wall below School St.	#3149	Aug. 26, 1940
Driveway from Bridge St. - Opening up area between Storehouses A & B and Mill #2 for -	#2635	Nov. 10, 1931
Drowning - Western Canal near junction of Pawtucket Canal where little girl was drowned	#2605	June 18, 1931
Drowning, Location of automobile accident, at end of Merrimack Canal looking from French St. Picture taken at 8.30 am	#2630	Oct. 20, 1931
Drowning, do looking from Dutton St. Picture taken at 3.00 p.m.	#2631	Oct. 20, 1931
Duct lines, 3-4", for electrical interconnection between Boott Mills and Merrimack Mfg. Co. 1 duct to carry a 3/c 500,000 CM. lead cable, 2 ducts reserved for future development - Looking east towards manhole #22, in Boott Mill yard, showing -	#2751	Dec. 5, 1933
Duct lines do looking west	#2752	Dec. 5, 1933

D

Ducts, fibre, carrying transmission lines, incased in concrete, beside river wall of the Slasher Bldg., L.I.D.Co.	#3001	Apr. 22, 1937
Dump on L & C land on bank of Merrimack River near Lowell & Dracut line, looking downstream	#2430	Dec. 6, 1928
Dump do " upstream	#2431	Dec. 6, 1928
Dump on L & C land on bank of Merrimack River do	#2560	Aug. 12, 1930
Dump near Conduit St. looking northwest - Location of end of proposed 6" drain in Aiken St. -	#2624	Sept. 28, 1931
Dump do looking southeast	#2625	Sept. 28, 1931
Dump, Indian Orchard, looking west	# 2642	Dec. 2, 1931
Dump do " east	#2643	Dec. 2, 1931
Dump - Maxey's side show at Aiken Street -	#2735	Aug. 9, 1933
Dump on L & C land, Lawrence Boulevard near Dracut Line	#2782	June 25, 1934
Dump, Aiken St. - City No Dumping Sign on -	#2816	Jan. 9, 1935
Dump, " - General view of, looking easterly across Beaver Brook	#2819 #2819A	Jan. 11, 1935
Dump, Aiken St., showing tree stumps left there after the Sept. 21, 1938 hurricane	#3105	Nov. 2, 1938
Dump, Aiken St., showing tree branches left there after the Sept. 1938 hurricane	#3106	Nov. 2, 1938
Dump, Aiken St., showing tin cans and rubbish, also dike for high water	#3107	Nov. 2, 1938
Dutton St. - Bridge St. entrance to Kitson Machine Shop on -	#2693	Nov. 17, 1932
Dutton St. and Swamp Locks basin - L & C lot #28 between -	#3088	June 15, 1938
Dye house at the Mass. Mills	#2522	Mar. 10, 1930
Dye house being torn down at L.I.D.Co.	#2700	Dec. 6, 1932
Dye house at L.I.D. being torn down	#2704	Jan. 13, 1933
Dye house do	#2707	Jan. 25, 1933
Dye house " " torn down	#2720	Mar. 29, 1933

Eastern Canal looking downstream from Bridge St.	#2412	Sept. 9, 1928
Eastern " " " " Boott office	#2413	Sept. 9, 1928
Eastern " " " " #6 racks	#2414	Sept. 9, 1928
Eastern Canal wall - opening to let in water from Boott penstock	#2417	Oct. 15, 1928
Eastern Canal wall - do	#2418	Oct. 15, 1928
Eastern Canal looking upstream - Left hand side Merrimack wasteway wall at end of -	#2471	June 28, 1929
Eastern Canal looking downstream - left hand side of wall at end of -	#2472	June 28, 1929
Eastern Canal - Bridge for L & C 24" pipe across -	#2481	Sept. 23, 1929
Eastern Canal - do	#2482	Sept. 23, 1929
Eastern Canal - L & C 24" pipe across -	#2483	Sept. 26, 1929
Eastern Canal from Kearney Square bridge looking downstream	#2628	Oct. 14, 1931
Eastern Canal looking downstream - Sidewalk along L & C 5 foot strip, east side of -	#2637	Nov. 25, 1931
Eastern Canal near Kearney Sq. opposite new post office - west side of -	#2638	Nov. 25, 1931
Eastern Canal, looking downstream - Sidewalk along 5 foot strip, east side of -	#2640	Dec. 23, 1931
Eastern Canal opposite Post Office - New wall and fence on westerly side of -	#2670	Mar. 16, 1932
Eastern Canal - Sterling Motor Lines truck whose rear wheels went through L I D Co.'s bridge over -	#2722	Apr. 7, 1933
Eastern Canal - Fence and gate in rear of Gookins Furniture Store near -	#2774	May 28, 1934
Eastern Canal - Fence and gate repaired do	#2776	June 14, 1934
Eastern Canal near Lower Locks - Plank put on west end of bridge over -	#2777	June 14, 1934
Eastern Canal on Bridge St. - Progress of bridge over -	#3064	Mar. 22, 1938
Eastern Canal on Bridge St. - do also shows Gofkauf's new store front	#3051	Jan. 14, 1938
Eastern Canal - Wire fence from L.I.D. bridge to Bridge St. bridge over -	#3139	Dec. 12, 1939

Eastern Canal in front of L.I.D. - Wire fence along Bridge St. and iron rail bridge fence over -	#3140	Dec. 12, 1939
Eastern Canal in rear of Gookin Furniture Co. - Bridge across -	#3154	Feb. 18, 1941
Eastern Canal - Broken fence in rear of Gookin Furniture Co.	#3155	Feb. 18, 1941
Elevation of water 82.60 at 12.30 p.m. North side of Northern Canal wall below School St. bridge looking downstream	#2441	Mar. 26, 1929
Elevation of water 81.10 at 12.05 p.m. South side do	#2442	Mar. 27, 1929
Elevation of water 81.50 at 12.10 p.m. North side do looking upstream	#2443	Mar. 27, 1929
Elevation of water do	#2444	Mar. 27, 1929
Elevation of Merrimack River l.h. side below School St. bridge 101.82 at 3.00 p.m.	#2916A #2916B	Mar. 20, 1936
Elevation of Merrimack River. 1936 and 1852 high water marks below School St. bridge, Pawtucketville side	#2968	Oct. 8, 1936
Elevation of water at Middlesex Dam, Concord River	#3092	July 28, 1938
Elevation of water 85.92 at 2.30 p.m. Pawtucket Dam	#3102	Sept. 29, 1938
Elevation " " 83.60 " 10.45 a.m. "	#3103	Oct. 7, 1938
Elevator at L.I.D. - Shoe rack that was broken in Mill #1, Section 7 -	#3111	Dec. 28, 1938
Elevator at L.I.D. which had 1 cable broken on it - Mill #1, Section 7	#3112	Dec. 28, 1938
Ellsworth St. north side, - Buildings which caught fire from the Federal Shoe Co. building	#3732	June 26, 1933
Entrance to the Mass. Mill yards	#2504	Feb. 10, 1930
Entrance do	#2508	Feb. 12, 1930
Entrance to Golf Course in Mill #2, 1st floor, L.I.D.	#2570	Oct. 23, 1930
Entrance, front, to Country Club Miniature Golf Course on Bridge St. L.I.D. Mill #2	#2573	Nov. 26, 1930
Entrance do inside view	#2574	Nov. 26, 1930
Entrance, new, to L.I.D. on Bridge St. between Mill #2 and Storehouses A & B	#2641	Dec. 23, 1931
Entrance, Canal St., to L.I.D., looking into yard	#2656	Feb. 19, 1932

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Entrance, Canal St., to L.I.D., looking towards Bridge St.	#2657	Feb. 19, 1932
Excavation for new post office, west end - 3 prints from Marion Studio	#2478	Aug. 16, 1929
Excavation and piers for girders over penstock for Section 8 Power House - Post office site showing -	#2575	Nov. 25, 1930
Excavating on L & C reservoir lot for erection of standpipe for City of Lowell water works	#2832	Mar. 19, 1935
Excavation for proposed City standpipe - rear of L & C reservoir lot showing - PWA Docket #6004	#2850	June 3, 1935
Excavation do (different view)	#2851	June 3, 1935
Excavating ledge and dirt on northerly bank of Merrimack River below Pawtucketville bridge	#2979	Feb. 1, 1937
Excavating ledge do (different view)	#2980	Feb. 1, 1937
Excavating ledge do Progress picture showing -	#2981	Feb. 17, 1937
Excavation on northerly side of Merrimack River for temporary bridge, while new Centralville bridge is being constructed	#2984	Feb. 17, 1937
Excavation of bank of r.h. side of Merrimack River at Hunts Falls, L & C lot #85	#2991	Mar. 9, 1937
Excavating bed of Merrimack River below Aiken St. bridge	#2997	Mar. 22, 1937
Excavation of bank of south side of Merrimack River at Hunt's Falls, L & C lot #85	#2999	Apr. 12, 1937
Excavation of Merrimack River, southerly side, looking upstream, under School St. bridge, showing -	#3015	July 16, 1937
Excavation do	#3016	July 16, 1937
Excavation northerly side do	#3017	July 16, 1937
Excavation of Merrimack River, southerly side, looking downstream under School St. bridge, showing -	#3018	July 16, 1937
Excavation northerly side do	#3019	July 16, 1937
Excavation - Looking upstream, opposite Abbot Islands, at easterly end of cofferdam in Merrimack River	#3021	July 29, 1937
Excavation - Looking downstream, opposite "Minuet Tea Room" (Merrimack River) at cofferdam	#3022	July 29, 1937
Excavation and cofferdam - Southerly side of Merrimack River near easterly end of Stackpole St., showing -	#3023	July 29, 1937

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Excavation and cofferdam - same as #3023 (different view) #3024 July 29, 1937

Excavating ledge - Merrimack River above School St. bridge showing progress in - #3031 Aug. 25, 1937

Excavation and cofferdam in middle and southerly side of Merrimack River at Hunts Falls - Looking downstream opposite Minuet Tea Room at - #3032A Oct. 1, 1937

Excavation Continuation of 3032A #3032B Oct. 1, 1937

Excavation under arches and around piers of School St. bridge - Picture taken from northerly side of Merrimack River looking upstream and showing - #3033 Oct. 1, 1937

Excavation do Picture taken from southerly side of Merrimack River #3034 Oct. 1, 1937

Excavation - Looking downstream between coffer dam and northerly side of Merrimack River at Hunts Falls showing rocks etc. to be cleaned out. Boott gauge 41.90 at 10 am #3038A #3038B Oct. 10, 1937

Excavation and dike on north side of river at Hunts Falls looking downstream #3042 Nov. 6, 1937

Excavation and dike do looking upstream #3043 Nov. 6, 1937

Excavation that has been done on north side of Merrimack River. Water at dam 88.90 at 2.45 p.m. Downstream side of School St. bridge showing - #3047 Nov. 30, 1937

Excavation along shore, northerly side of Merrimack River above Moody St. bridge #3071 Apr. 26, 1938

F

Federal Shoe Co. Fire on Dix St. (2 negatives)	#2731	June 26, 1933
Federal Housing Project - pipe bridge crossing Western Canal below Market St. for -	#3153	Feb. 10, 1941
Fences in front of Boott Mills	#2361	Jan. 17, 1928
Fence damaged at corner of Market and Suffolk Sts. L & C	#2434	Dec. 26, 1928
Fence, board, repaired on Varnum Ave. by L & C 94 feet upstream from end of Pawtucket Dam	#2439	Mar. 21, 1929
Fence do	#2440	Mar. 21, 1929
Fence, Suffolk St., along Western Canal from Jefferson to Market Streets	#2421	Oct. 25, 1928
Fence, iron, at corner of Suffolk & Merrimack Sts.	#2499	Nov. 29, 1929
Fence, iron, on Ford St. below High Bridge which was broken about Jan. 12, 1931	#2578	
Fence repaired & holes filled in on east side of Pawtucket Canal at Thompson's Field	#2601	May 27, 1931
Fences and stop signs at end of French St.	#2649	Jan. 26, 1932
Fences do	#2650	Jan. 26, 1932
Fence, new, east side of Eastern Canal at Lower Locks dam	#2658	Mar. 2, 1932
Fence west of Pawtucket Canal above Guard Locks	#2659	Mar. 2, 1932
Fence on Kyan St. northeasterly side of Pawtucket Canal near Red Bridge	#2660	Mar. 2, 1932
Fence on Kyan St. northerly side of Pawtucket Canal opposite Merrimack Valley Supply Co.	#2661	Mar. 2, 1932
Fence on Jackson St., south side of Hamilton Canal from Appleton Bridge looking west	#2662	Mar. 2, 1932
Fence on Jackson St. south side of Hamilton Canal from Saco bridge looking west	#2663	Mar. 2, 1932
Fence do looking east	#2664	Mar. 2, 1932
Fence east side of Pawtucket Canal above Guard Locks showing holes	#2665	Mar. 2, 1932
Fence south side of Northern Canal at foot of Race St. Stop signs put up by City on Ford St.	#2666	Mar. 2, 1932
Fence on northerly side of Northern Canal above High Bridge	#2668	Mar. 2, 1932
Fence and new wall on westerly side of Eastern Canal opposite Post Office	#2670	Mar. 16, 1932

F

Fence, wooden, on Ford St. between Race and Cabot Sts. 8 new pickets on -	#2687	Sept. 6, 1932
Fence on Pawtucket St. near corner of Moody St. - Hole made by Brady's truck Nov. 10, 1932 in -	#2690	Nov. 12, 1932
Fence recently put up by L & C, also railroad bridge at Jackson St. Entrance to Kitson Machine Shop	#2698	Nov. 17, 1932
Fence between Suffolk and Cabots Sts. - One of three signs put up by L & C on Ford St. -	#2699	Dec. 3, 1932
Fence in rear of Bartlett School - One of the holes under L & C-	#2733	June 30, 1933
Fence on upstream side of Merrimack St. bridge over Western Canal	#2740	Sept. 26, 1933
Fence on downstream side	do	#2741 Sept. 26, 1933
Fence, wire, between L & C land and Wannalancit St.	#2745	Nov. 1, 1933
Fence	do	#2746 Nov. 1, 1933
Fence and gate in rear of Gookins Furniture Store near Eastern Canal	#2774	May 28, 1934
Fence and gate repaired in rear of Gookins Furniture Store near Eastern Canal	#2776	June 14, 1934
Fence and sidewalk Lowell and Lawrence Boulevard near west end of taking. Looking westerly	#2872	Oct. 25, 1935
Fence and sidewalk east of Minuet on Lowell and Lawrence Blvd.	#2874	Oct. 28, 1935
Fence and sidewalk Lowell and Lawrence Blvd. near east end of taking. Looking easterly	#2875	Oct. 28, 1935
Fence along Merrimack Canal which was broken when an automobile backed into canal	#2933	Apr. 27, 1936
Fence	do	(different view) #2934
Fence, new, in front of Northern Canal gate house	#2977	Oct. 21, 1936
Fence on Front St. being repaired	#2983	Feb. 17, 1937
Fence " " " "	#2986	Feb. 24, 1937
Fence, new wire, on westerly bank of Pawtucket Canal looking down stream	#3009	June 16, 1937
Fence	do	looking upstream #3010 June 16, 1937
Fence, new wire, on bank of Hamilton Canal in front of Appleton Co.	#3028	Aug. 10, 1937

F

Fence and wall along easterly side of Tyng St. put up by L & C	#3076	May 9, 1938
Fence broken by auto accident, opposite Hunts Falls, in Merrimack River on Lowell and Lawrence Blvd.	#3113	Jan. 2, 1939
Fence and lumber logs on Canal St., looking from Kearney Sq.	#3137	Dec. 12, 1939
Fence looking down Eastern Canal from Kearney Sq. - Canal St.	#3138	Dec. 12, 1939
Fence, wire, from L.I.D. Co. bridge over Eastern Canal to Bridge St. bridge over Eastern Canal	#3139	Dec. 12, 1939
Fence, wire, along Bridge St. and iron rail bridge fence over canal in front of the L.I.D.Co.	#3140	Dec. 12, 1939
Fence broken in rear of Gookin Furniture Co.	#3155	Feb. 18, 1941
Financial diagram of City of Lowell	#2998	Mar. 22, 1937
Front St. - fence being repaired	#2983	Feb. 17, 1937
Front St. do	#2986	Feb. 24, 1937
Fire on Dix St. - Federal Shoe Co.	#2731	June 26, 1933
Fire - Buildings on Ellsworth St. northerly side, which caught fire from the Federal Shoe Co.	#2732	June 26, 1933
Fire escape on Napping Bldg., L.I.D. Co.	#2778	June 14, 1934
Five foot strip of land owned by L & C; also section #12 Pepperell Mfg. Co. being razed for new post office	#2450	Apr. 25, 1929
Fletcher and Dutton Sts. - R. K. Dexter & Sons building at corner of -	#2469	June 24, 1929
Fletcher and Dutton Sts. - do	#2470	June 24, 1929
Flood waters - Pawtucket Dam	#2898	Mar. 14, 1936
Flood " ice jam at Pawtucket Dam gate house	#2899	Mar. 14, 1936
Flood " - lot #89	#2900	Mar. 14, 1936
Flood " - Conduit St. looking across Beaver Brook	#2901	Mar. 14, 1936
Flood " - Beaver St. bridge over Beaver Brook	#2902	Mar. 14, 1936
Flood " - Upstream side of Moody St. bridge	#2903	Mar. 14, 1936
Flood " around boiler house, Picker Bldg. and Mill #1 of L.I.D. Co.	#2904	Mar. 14, 1936

Flood waters - Lawrence Blvd. showing rip rap on northerly bank of Merrimack River opposite Hunts Falls	#2905	Mar. 14, 1936
Flood " - Pumping out boiler house at L.I.D.	#2906	Mar. 17, 1936
Flood " - " " power house " "	#2907	Mar. 17, 1936
Flood " - Francis Gate at Old Guard Locks. Elev. 101.77 at 2.30 p.m.	#2908	Mar. 20, 1936
Flooded areas on map of Lowell	#2908A	Mar. 20, 1936
Flood - Moody St. bridge over Merrimack River during -	#2909A	Mar. 20, 1936
Flood - Merrimack River flowing into Northern Canal during -	#2909B	Mar. 20, 1936
Flood wall and dam at Old Guard Locks. Elev. of water 101.77 at 2.30 p.m.	#2910	Mar. 20, 1936
Flood dam at Old Guard Locks and water in Thompson Field. Elev. of water 101.77 at 2.30 p.m.	#2911A #2911B	Mar. 20, 1936
Flood - Dam across B & M RR tracks above Wilder St. during -	#2912	Mar. 20, 1936
Flood do	#2913	Mar. 20, 1936
Flood - Merrimack River showing high water on right hand side above Pawtucket Dam. Elev. of water 101.82 at 3 p.m.	#2914	Mar. 20, 1936
Flood - School St. bridge over Merrimack River during -	#2914A	Mar. 20, 1936
Flood - Merrimack River below School St. bridge showing high water flowing into Northern Canal. Elev. of water at dam 101.82 at 3.00 p.m.	#2915	Mar. 20, 1936
Flood diagram showing flood of	#2915A	Mar. 20, 1936
Flood - Merrimack River left hand side below School St. bridge showing high water. Elev. 101.82 at 3 p.m.	#2916A #2916B	Mar. 20, 1936
Flood - Merrimack River and Varnum Ave. looking upstream from Mammoth Road. Elev. of water 101.82 at 3.30 p.m.	#2917	Mar. 20, 1936
Flood - Diver shuts valve under water at Merrimack Mfg. Co. during -	#2917A	Mar. 20, 1936
Flood - Varnum Ave. near Starbird St. showing high water looking upstream. Elev. of water at dam 101.82 at 3.30 p.m.	#2918	Mar. 20, 1936
Flood - Aiken St. bridge over Merrimack River during -	#2918A	Mar. 20, 1936
Flood - Bridge St. bridge during -	#2919A	Mar. 20, 1936

F

Flood - Bridge St. bridge during -	#2920	Mar.31, 1936
Flood marks of 1936 and 1852 below School St. bridge Pawtucketville side	#2968	Oct. 8, 1936
Flood wall of Northern Canal	#2973A #2973B	Oct. 9, 1936
Flynn, Jos. J., advertiser - Sign on L & C land off Lakeview Ave.	#2569	Oct. 6, 1930
Flynn, Jos. J., sign on lot #89, Lakeview Ave. opposite Bunker Hill Ave.	#3090	June 15, 1938
Flynn, Jos. J., sign on lot #89, Lakeview Ave. opposite Ferry Lane	#3091	June 15, 1938
Ford St. below High Bridge - iron fence which was broken about Jan. 12, 1931 on -	#2578	
Ford St. - Stop signs put up by City. Fence south side of Northern Canal at foot of Race St.	#2666	Mar. 2, 1932
Ford St. between Race and Cabot Streets - 8 new pickets on wooden fence on -	#2687	Sept. 6, 1932
Ford St. fence between Suffolk and Cabot Streets - one of three signs put up by L & C on -	#2699	Dec. 3, 1932
Ford St., #71 and #81 - Building on lots #64-D and 64-D-1 Street view	#2843	Apr. 23, 1935
Ford St. do canal view	#2844	Apr. 23, 1935
Ford St. from Cabot St. - Buildings on L & C lots #64-E, 64-D-1, 64-D and 64-D-1	#3082	June 14, 1938
Ford St. from Aiken St. - Buildings on L & C lots #64-C, 64-D, 64-D-1 and 64-E-1	#3083	June 14, 1938
Ford St. from Aiken St. - Buildings on L & C lots 64-B, 64-F, 64-G and 64-H	#3084	June 14, 1938
Foundation, concrete, of old Cold House being removed - Laying L & C 20" main showing part of -	#2489	Oct. 16, 1929
Foundation, do	#2490	Oct. 16, 1929
Foundation of old #12 Mill of the Pepperell Mfg. Co. - Trench in which 24" main on Kearney Sq. will be laid showing-	#2492	Nov. 8, 1929
Foundation do	#2493	Nov. 12, 1929
Foundation was washed away during freshet - Moody St. waste gates on Northern Canal showing how -	#2919	Mar. 31, 1936

F

Francis, James B. - Picture of	#2748	Nov.	1933
Francis Gate at Old Guard Locks. Elev. of water 101.77 at 2.30 pm	#2908	Mar.20,	1936
Francis Gate looking upstream	#2925	Apr. 24,	1936
Francis Gate, rear of	#2927	Apr. 24,	1936
Francis Gate House. Roof being repaired because of tree which fell on it during hurricane of Sept. 21, 1938	#3104	Oct. 7,	1938
Francis Gate House showing repairs finished on roof	#3109	Nov. 2,	1938
Franklin, North, Court, looking north from Franklin St.	#2858	Sept. 10,	1935
French St. from Kirk St. in rear of High School	#2460	June 18,	1929
French St. looking towards Merrimack Canal from John St.	#2461	June 18,	1929
French St. - Fences and stop signs at end of -	#2649	Jan. 26,	1932
French St. - do	#2650	Jan. 26,	1932
Freshet - Turbine room basement during high water at Boott Mills	#2723	Apr. 20,	1933
Freshet - Lot 96-B Showing high water	#2818	Jan. 11,	1935
Freshet - Lot 105 during -	#2820	Jan. 11,	1935
Freshet - Lot 89 during -	#2821	Jan. 11,	1935

G

Gage and tailrace of Boston Mfg. Co. emptying into Charles River, Waltham, Mass.	#2546	July 15, 1930
Gage and racks in canal of Boston Mfg. Co., Waltham, Mass.	#2547	July 15, 1930
Gage Co.'s artificial ice plant in Pawtucket St. - Artesian wells and pipe line for -	#3156	Apr. 21, 1941
Gaging station, U.S.G.S., at Hunts Falls on southerly bank of Merrimack River	#2753	Dec. 18, 1933
Gaging station, U.S.G.S. at Hunts Falls, Merrimack River	#2754	Dec. 18, 1933
Gate - Swamp Locks new sluice -	#2411	Sept. 9, 1928
Gate - Merrimack " " -	#2425A	Nov. 25, 1928
Gatehouse, L & C, near Saco Foundry Yard	#2692	Nov. 17, 1932
Gate and fence in rear of Gookins Furniture Store near Eastern Canal	#2774	May 28, 1934
Gate and fence do repaired	#2776	June 14, 1934
Gate house at Old Guard Locks and lot #13 as seen from Broadway	#2496	Nov. 22, 1929
Gate house, Tremont, and vicinity	#2557	July 18, 1930
Gate house at Pawtucket Dam - Ice and snow in front of -	#2892	Jan. 27, 1936
Gate house, Pawtucket Dam, showing ice jam	#2899	Mar. 14, 1936
Gate house, hydraulic, and sand bag dam east of Francis Gate	#2926	Apr. 24, 1936
Generators in the Tremont wheel house - 3 of the 4 - (Mill #2)	#3117	Jan. 19, 1939
Glenwood St., #151	#2880	Dec. 18, 1935
Gofkauf's Stores on Bridge St. in front of Mill #2, L.I.D. - Store front of -	#2612	July 29, 1931
Gofkauf's Store front on Bridge St. in L.I.D..Mill #2	#2634	Oct. 23, 1931
Gofkauf's anniversary sign over Bridge St.	#2758	Jan. 22, 1934
Gofkauf's Store, Mill #2, L.I.D. yard side	#2989	Mar. 9, 1937
Gofkauf's do Bridge St. side	#2990	Mar. 9, 1937
Gofkauf's new store front; also Progress of new bridge over Eastern Canal on Bridge St.	#3051	Jan. 14, 1938
Gofkauf's store front, Bridge St., Lowell	#3056	Feb. 11, 1938
Gofkauf's store on Bridge St. - Repaired defective sidewalk in front of -	#3150	Oct. 24, 1940

G

Golf course on L & C land, First St. Blvd. - site of proposed miniature -	#2559	Aug. 12, 1930
Golf course, miniature, on Pawtucket Blvd.	#2561	Aug. 12, 1930
Golf " " " L & C land at Indian Orchard	#2568	Oct. 5, 1930
Golf " , Campbells, on L & C land First St. Blvd.	#2644	Dec. 2, 1931
Goodell, Wm. N. - Jan. 1, 1921 to March 31, 1929	#2448	Mar. 29, 1929
Goodell, do	#2449	Mar. 30, 1929
Grease, barrels of, stored in Boiler House	#2736	Aug. 9, 1933
Guides, new, welded in guide ring of 30" Swain wheel. Kalix Cup Co., West Chelmsford	#2423	Nov. 9, 1928
Guides of Appleton Co.'s new #4 wheel - 38" Rodney Hunt	#3123	June 5, 1939

H

Hamilton Canal, south side - Broken concrete wall at end of -	#2424	Nov. 20, 1928
Hamilton " looking north do	#2425	Nov. 20, 1928
Hamilton " " upstream	#2467	June 24, 1929
Hamilton yard - 2" steam pipe over Lower Pawtucket Canal from Assets Realization Co. to Mill #7 of Hamilton Co.	#2498	Nov. 26, 1929
Hamilton Canal - new walls at end of -	#2563	Aug. 12, 1930
Hamilton " - end of -	#2648	Jan. 4, 1932
Hamilton " from Appleton bridge looking west - Fence on Jackson St., south side of -	#2662	Mar. 2, 1932
Hamilton Canal from Saco Bridge looking west - do	#2663	Mar. 2, 1932
Hamilton " do east - do	#2664	Mar. 2, 1932
Hamilton and Appleton Mills - Transmission lines and steam pipes from Bigelow to -	#2729	June 16, 1933
Hamilton rack platform replanked	#2795	Dec. 6, 1934
Hamilton yard - Bleach and dyehouse being torn down in - Clothroom Bldg.	#2866	Oct. 21, 1935
Hamilton yard - Part of Bleachery bldgs. being torn down in -	#2894	Jan. 27, 1936
Hamilton Canal in front of Appleton Co. - New wire fence on bank of -	#3028	Aug. 10, 1937
Hamilton Mill yard - Side track and freight car in -	#3048	Nov. 30, 1937
Hamilton Co. Mill #7 - Indicator posts for sprinkler service in front of -	#3061	Mar. 14, 1938
Headgate of #12 wheel at Mass. Mills - Repairs to -	#2539	June 23, 1930
Holes in fence east side of Pawtucket Canal above Guard Locks	#2665	Mar. 2, 1932
Hole in fence made by Brady's truck Nov. 10, 1932 on Pawtucket St. near corner of Moody St.	#2690	Nov. 12, 1932
Hole under L & C fence in rear of Bartlett School	#2733	June 30, 1933
Holes in floor of bridge between car tracks - Merrimack St. bridge over Western Canal	#2870	Oct. 28, 1935
Holes in Central Street bridge	#2935	Apr. 30, 1936
Hunts Falls, Merrimack River - Roadway made by drag bucket to excavate river bed at -	#2992	Mar. 9, 1937

H

Hunts Falls - temporary jetty to hold water out in order to excavate bed of river at -	#3013	July 11, 1937
Hunts Falls do	#3014	July 11, 1937
Hunts Falls Boott gauge 52.16 at 2.10 p.m.	#3045	Nov. 30, 1937
Hurricane of Sept. 21, 1938 - Francis Gate house roof being repaired because of tree which fell on it during -	#3104	Oct. 7, 1938
Hurricane of Sept. 21, 1938 - Aiken St. dump showing tree stumps left there after the -	#3105	Nov. 2, 1938
Hurricane of Sept. 21, 1938 - Aiken St. dump showing tree branches left there after the -	#3106	Nov. 2, 1938
Hurricane of Sept. 21, 1938 - Lot #84 Stackpole St. showing branches and tree left there after -	#3108	Nov. 2, 1938
Hurricane of Sept. 21, 1938 - Francis Gate house showing repairs finished on roof due to -	#3109	Nov. 2, 1938
Hydrant #14, Bigelow yard, which was run into Oct. 3, 1933	#2743	
Hydrant #6, Middlesex yard, which was run into Oct. 10, 1933 and repaired Oct. 14, 1933	#2744	

I

Ice going over Pawtucket Dam looking upstream	#2822	Jan. 13, 1935
Ice downstream	#2823	Jan. 13, 1935
Ice in front of Gate house at Pawtucket Dam	#2824	Jan. 13, 1935
Ice in river above Pawtucket Dam looking upstream	#2825	Jan. 13, 1935
Ice on Pawtucket Dam looking downstream	#2826	Jan. 18, 1935
Ice upstream	#2827	Jan. 18, 1935
Ice, anchor, on Pawtucket Dam	#2889	Jan. 27, 1936
Ice, " , and open channel at Pawtucket Dam	#2890	Jan. 27, 1936
Ice, do	#2891	Jan. 27, 1936
Ice and snow in front of Gate House at Pawtucket Dam	#2892	Jan. 27, 1936
Ice jam at Pawtucket Gate House	#2899	Mar. 14, 1936
Ice frozen on dam; also showing L & C men cutting channel in front of dam - Pawtucket Dam, from Varnum Ave.	#3049	Jan. 14, 1938
Ice do - " " " School St.	#3050	Jan. 14, 1938
Indian Orchard - Miniature golf course on L & C land at -	#2568	Oct. 5, 1930
Indian Orchard dump looking west	#2642	Dec. 2, 1931
Indian " " " east	#2643	Dec. 2, 1931
Indicator posts for sprinkler service in front of Mill #7, Hamilton Co.	#3061	Mar. 14, 1938
Interconnection, electrical - three 667 KVA, 2400 to 600 volt Wagner Transformer at Lawrence Section for -	#2742	Sept. 26, 1933
Interconnection, electrical, between Boott Mills and Merrimack Mfg. Co. - Looking east towards manhole #22, in Boott Mill yard, showing 3-4" duct lines for - 1 duct to carry a 3/c 500,000 CM lead cable, 2 ducts reserved for future development	#2751	Dec. 5, 1933
Interconnection, do looking west	#2752	Dec. 5, 1933
Interconnection, electrical - 3-667 KVA, 2400 to 600 volt, Wagner transformers at the Boott Mills for -	#2784	July 23, 1934
Interconnection, electrical - Oil switches in transformer vault at Boott Mills for -	#2785	July 23, 1934

Ipswich Mills - #1 72" Swain wheel being junked. Installed in 1878 taken out 1928		#2419	Oct. 19, 1928
Ipswich Mills	do	#2420	Oct. 19, 1928
Ipswich penstocks - cut off wall at head of -		#2429	Dec. 6, 1928

J

Jackson St., south side of Hamilton Canal, from Appleton bridge looking west - fence on -	#2662	Mar. 2, 1932
Jackson St., do from Saco bridge looking west	#2663	Mar. 2, 1932
Jackson St. do looking east	#2664	Mar. 2, 1932
Jackson St. entrance to Saco yard	#2691	Nov. 17, 1932
Jackson " " " " - Fence recently put up by L & C, also r.r. bridge at -	#2698	Nov. 17, 1932
Jetty, temporary, at Hunts Falls to hold water out in order to excavate bed of river	#3013	July 11, 1937
Jetty, do	#3014	July 11, 1937
Junk and old automobiles in rear of Lakeview Ave. garage on L & C land	#2775	May 28, 1934
John St. looking towards Boott Mills from Paige St.	#2463	June 18, 1929

K

Kalix Cup Co., West Chelmsford - New guides welded in guide ring of 30" Swain wheel -	#2423	Nov. 9, 1928
Keiths theatre,-B. F. - Private way between Pepperell Mfg. Co. storehouse "C" and -	#2488	Oct..11, 1929
Kirk St. looking towards Merrimack St. from French St.	#2458	June 18, 1929
Kyan St., - fence on northeasterly side of Pawtucket Canal near Red bridge	#2660	Mar. 2, 1932
Kyan St. - fence on northerly side of Pawtucket Canal opposite Merrimack Valley Supply Co.	#2661	Mar. 2, 1932
Kyan St., Lot #17-E - Land and building on	#2837	Apr. 18, 1935
Kyan St. L & C lots #16 and 17	#3087	June 15, 1938

Lakeview Ave. - Lowell Ice Co.'s filling station corner of Conduit Ave. and -	#2541 July 2, 1930
Lakeview Ave., 742 to 754 - Rear view of tenement block owned by Edward Atkinson	#2623 Sept. 29, 1931
Lakeview Ave. garage on L & C land - Old automobiles and junk in rear of -	#2775 May 28, 1934
Lakeview Ave. opposite Bunker Hill Ave. - Jos. J. Flynn's sign on-	#3090 June 15, 1938
Lakeview Ave. " Ferry Lane do lot #89	#3091 June 15, 1938
Lamson's Field, looking southwest	#2677 Apr. 13, 1932
Lawrence Mfg. Co. along river	#2390 May 31, 1928
Lawrence " " "	#2390A May 31, 1928
Lawrence Sect. of Merrimack Mfg. Co. along river	#2391 May 31, 1928
Lawrence Mfg. Co. Mill #12 & 14, looking west	#2453 May 13, 1929
Lawrence St. opposite Waterhead Mills, looking south - proposed playground	#2502 Jan. 20, 1930
Lawrence St. do " north	#2503 Jan. 20, 1930
Lawrence wasteway from Merrimack Mfg. Co. to Lawrence Mfg. Co.- New power lines across -	#2564 Aug. 13, 1930
Lawrence wasteway dam - Concrete facing on west side of -	#2567 Sept. 25, 1930
Lawrence " - Concrete facing -	#2571 Oct. 23, 1930
Lawrence Section - 3-667 KVA-2400 to 600 volt Wagner transformer at - for electrical interconnection	#2742 Sept. 26, 1933
Lawrence Canal - end of -	#2764 Feb. 8, 1934
Lawrence Section of Merrimack Mfg. Co. - Housing over 3-667 KVA- 2400 to 600 volt, Wagner Transformers at the -	#2786 July 24, 1934
Lawrence Section of Merrimack Mfg. Co. - 2300 volt oil switch in rear of 667 KVA Wagner transformers at -	#2787 July 24, 1934
Lawrence dam house - repairs to finished	#2879 Nov. 23, 1935
Lee St. looking towards John St. from Kirk St.	#2459 June 18, 1929
Lee St., 50-54	#2883 Dec. 18, 1935
Leaks from Section #8 penstock and part of #12 basement wall	#2479 Aug. 30, 1929
Leaks under Middlesex dam, Concord River	#2791 Aug. 21, 1934
Leak under " " "	#2792 Aug. 21, 1934

L

Leakage through wall of Northern Canal above Moody St.	#2922	Mar. 31, 1936
Leakage do	#2951	July 14, 1936
Leakage with canal at elev. 77.1 at 2.30 p.m. - Northern Canal wall, river side opposite Ayer Home, showing -	#2953	July 17, 1936
Leakage through Northern Canal wall in rear of Ayer Home	#2955	July 20, 1936
Ledge above Pawtucketville bridge on northerly side of Merrimack River before any excavation	#2982	Feb. 17, 1937
Ledge on left hand bank of Merrimack River above Moody St. bridge - Air compressor and pipe lines for drilling holes in -	#2993A #2993B	Mar. 19, 1937
Lewis St. near corner of Market St. looking from Lewis St.	#2859	Sept. 10, 1935
Lincoln St. bridge over Hale's Brook - driving piles	#2415	Oct. 4, 1928
Locomotives, B & M, on Dutton St. at Centenary celebration - One of first and latest -	#2535	June 5, 1930
Locomotives, do	#2536	June 5, 1930
Locomotives, do	#2537	June 5, 1930
Lot on bank of Merrimack River near Lowell & Dracut line opened for dump, looking downstream	#2430	Dec. 6, 1928
Lot on bank do " upstream	#2431	Dec. 6, 1928
Lot between Northern Canal & Merrimack River below School St. bridge	#2446	Mar. 27, 1929
Lot #13 and gate house at Cold Guard Locks as seen from B'way	#2496	Nov. 22, 1929
Lot on bank of Merrimack River near Lowell-Dracut line, used for dump	#2560	Aug. 12, 1930
Lot off Lakeview Ave. and sign of Jos. J. Flynn, advertiser	#2569	Oct. 6, 1930
Lot - L & C two horse team on 10 foot strip east side of Office and yard, Broadway	#2584	Feb. 24, 1931
Lot do	#2584A	Apr. 22, 1931
Lot do	#2585	Feb. 24, 1931
Lot do	#2585A	Apr. 22, 1931
Lot on west side of Pawtucket Canal near Pawtucket St. looking north - lumber on -	#2593	Apr. 9, 1931
Lot do looking southwest	#2594	Apr. 9, 1931
Lot do do	#2598	May 16, 1931

L

Lot west of Pawtucket Canal between Broadway & Pawtucket Sts. looking towards Broadway - City 20" pipe being laid in -	#2600	May 21, 1931
Lot west side of Pawtucket Canal looking north towards Pawtucket St. - City 20" pipe & truck in -	#2602	May 28, 1931
Lot between Red Bridge and Broadway - City 20" pipe being covered up in -	#2607	June 19, 1931
Lot on First St. Blvd. - Campbells golf course on -	#2644	Dec. 2, 1931
Lot - Lamson's Field - looking southwest	#2677	Apr. 13, 1932
Lot east side of L & C Office and Yard, looking north, Broadway	#2678	Apr. 23, 1932
Lot #64-A-4 at 200 and 202 Cheever St., leased to Emil Lemire	#2684	July 22, 1932
Lot do different view	#2685	July 22, 1932
Lot - private way west of Ayer Home	#2686	Sept. 3, 1932
Lot east of yard and Office Bldg., looking north - right of way	#2749	Nov. 22, 1933
Lot do " south	#2750	Nov. 22, 1933
Lot 28-A Building over Pawtucket Canal	#2761	Jan. 22, 1934
Lot rear of Lakeview Ave. garage - Old automobiles and junk on-	#2775	May 28, 1934
Lot #96-C, easterly end, corner of First St. & Lawrence Blvd.	#2797	Dec. 6, 1934
Lot #84, westerly end, near junction of Merrimack and Concord Rivers	#2798	Dec. 6, 1934
Lot #96-B. looking towards Bridge St. from southerly side of Merrimack River	#2799	Dec. 6, 1934
Lot #96-D , easterly end, looking west	#2800	Dec. 6, 1934
Lot, Abbott Islands, looking upstream	#2801	Dec. 6, 1934
Lots 91, 92, 92A and 107, portions of, looking westerly from Aiken Sts.	#2802 #2802A	Dec. 18, 1934
Lot #105 looking westerly from Beaver Brook	#2803	Dec. 18, 1934
Lot #103-J looking northerly from Moody St. bridge	#2804	Dec. 18, 1934
Lot #89 looking northwest towards Aiken St.	#2805	Dec. 18, 1934
Lots #92 and 107 looking westerly towards Beaver Brook	#2806	Dec. 18, 1934
Lot #91 on Aiken St. - No Trespassing signs at entrance to -	#2807	Dec. 19, 1934
Lots 33-C-2 and 31-C looking westerly	#2808	Dec. 19, 1934

L

Lot #13 looking south from Pawtucket St.	#2809	Dec. 19, 1934
Lot #29 looking easterly	#2810	Dec. 19, 1934
Lot #33-C-1 looking westerly from Aiken St.	#2811	Dec. 19, 1934
Lot #29-A looking easterly from School St.	#2812	Dec. 19, 1934
Lot #8 looking south from Pawtucket St.	#2813	Dec. 19, 1934
Lot #87 looking west	#2814	Dec. 19, 1934
Lot #88 looking west	#2815	Jan. 9, 1935
Lot - City No Dumping Sign on Aiken St. dump	#2816	Jan. 21, 1935
Lot #31-A Melvin St.	#2817	Jan. 11, 1935
Lot #96-B showing high water	#2818	Jan. 11, 1935
Lot - General view of Aiken St. dump looking easterly across Beaver Brook	#2819 #2819A	Jan. 11, 1935
Lot #89 during high water	#2821	Jan. 11, 1935
Lot #84, Stackpole St. opposite Livermore St. - Rubbish and garbage on -	#2830	Mar. 14, 1935
Lot #96-D near Dracut and Lowell line - Rubbish and garbage on sidewalk in front of -	#2831	Mar. 19, 1935
Lot #96-B after widening of Lawrenve Blvd.	#2833	Apr. 3, 1935
Lot #96-B do	#2834	Apr. 3, 1935
Lot #17-E Kyan St. -	#2837	Apr. 18, 1935
Lot c nved to Davis & Sargent Lumber Co. Area 87,727 12/26/24	# 2838	Apr. 18, 1935
Lot #2-B-1, #5 Thorndike St.	#2839	Apr. 18, 1935
Lot " "	#2840	Apr. 23, 1935
Lot #25 #495 Worthen St. (street view)	#2841	Apr. 23, 1935
Lot #25 " (canal view)	#2842	Apr. 23, 1935
Lots #64-D and 64-D-1. #71 and 81 Ford St. (street view)	#2843	Apr. 23, 1935
Lots " (canal view)	#2844	Apr. 23, 1935
Lot #64-A-5. Aiken St. corner of Cheever St.	#2845	Apr. 23, 1935

L

Lot #64-A. #200 Cheever St. corner of Cheever St.	#2845-A Apr. 23, 1935
Lots #28-A and 28-B. (street view)	#2846 Apr. 24, 1935
Lot 28-A. North side view	#2847 Apr. 24, 1935
Lot #96-B. character of river bank	#2852 June 26, 1935
Lot " " "	#2852-A June 26, 1935
Lot #96-B, portion of, showing rip rap	#2853 June 26, 1935
Lot #96-B, - showing rip rap being placed	#2854 June 26, 1935
Lot #96-B - character of river bank	#2855 June 26, 1935
Lot #28-A. Fletcher St. - Building being torn down	#2862 Oct. 2, 1935
Lots #28-A and 28-B " torn down	#2865 Oct. 21, 1935
Lot #89 showing high water	#2900 Mar. 14, 1935
Lot #96-B looking east toward westerly end of taking	#2928 Apr. 24, 1936
Lot " " " showing riprap which has slid down bank due to flood	#2929 Apr. 24, 1936
Lot #96-B looking east towards "The Minuet"	#2930 Apr. 24, 1936
Lot #96#D " " from "	#2931 Apr. 24, 1936
Lot " " " towards easterly end of taking	#2932 Apr. 24, 1936
Lot #25	#2978 Oct. 21, 1936
Lot - Entrance to Thompson Field from Broadway	#2995 Mar. 19, 1937
Lot #8, westerly side of Pawtucket Canal above Old Guard Locks - boys playing baseball on -	#3067 Apr. 18, 1938
Lots #64-E, 64-D-1, 64-D and 64-D-1, Ford St. from Cabot St. Buildings on -	#3082 June 14, 1938
Lot #13, easterly side of Pawtucket Canal above Guard Locks - Boys playing baseball on -	#3070 #3070A Apr. 6, 1938
Lots #64-D, 64-C, 64-D-1 and 64-E-1, Ford St. from Aiken St.	#3083 June 14, 1938
Lots #64-B, 64-F, 64-G and 64-H. Ford St. from Aiken St.	#3084 June 14, 1938
Lots #64-A-1, 64-A-6, 64-A-4, Cheever St. from Pawtucket St.	#3085 June 15, 1938
Lots #13-C, 14 and 14-A rear of Wilson's coal yard	#3086 June 15, 1938
Lots #16 and 17, Kyan St.	#3087 June 15, 1938

L

Lot #28 between Dutton St. and Swamp Locks basin	#3088	June 15, 1938
Lots #17-D-4 and 17-D-2, also portion of lot #15	#3089	June 15, 1938
Lot #27, part of, on bank of Western Canal near Worthen St.	#3094	July 28, 1938
Lot #27 and 24, part of, between Worthen and Dutton Sts. on banks of Western Canal	#3095	July 28, 1938
Lot #80-F rear of Rex Center	#3096	July 28, 1938
Lot #43 - 12 Coolidge St.	#3097	July 28, 1938
Lot #84 Stackpole St. showing branches and tree left there after Sept. 21, 1938 hurricane	#3108	Nov. 2, 1938
Lot #91-B - Victor Provencher's filling station and Cocoa-Cola Bottling Co.	#3143	Feb. 27, 1940
Lots 2-B, 2-B-1 and 2-D looking towards Thorndike St.	#3151	Oct. 24, 1940
Lots 2-C and 2-B looking towards Nashua and Lowell R.R. location	#3152	Oct. 24, 1940
Lowell Industrial Development Company		
No. 1 Mill of the Mass. Cotton Mills	#2516	Mar. 6, 1930
No. 2 " " " " " "	#2516A	Mar. 6, 1930
New For Rent Sign on Store House "A"	#2517	Mar. 6, 1930
Repair Shop, Machine Shop, Office and Watch House	#2518	Mar. 6, 1930
Store Houses "A" and "B"	#2519	Mar. 10, 1930
Power House, Boiler House & Slasher Bldg.	#2520	Mar. 10, 1930
Cloth Room Bldg.	#2521	Mar. 10, 1930
Dye House	#2522	Mar. 10, 1930
Entrance	#2523	Mar. 10, 1930
Waste House	#2524	Mar. 10, 1930
Picker Bldg., Showing Section 11	#2525	Mar. 10, 1930
Napping Bldg.	#2526	Mar. 10, 1930
Fourth floor of Mill No. 1	#2527	Mar. 13, 1930
Second floor of Napping Bldg.	#2528	Mar. 13, 1930
Third floor of ClothRoom Bldg.	#2529	Mar. 13, 1930
The mills from Pepperell Store House	#2530	Apr. 17, 1930

Lowell Industrial Development Co. Mills from Fairburn Bldg.	#2531	Apr. 17, 1930
Electric cables being put in under Bridge St. bridge to Boott Mills	#2534	Apr. 23, 1930
Repairs to headgate of No. 12 wheel	#2539	June 23, 1930
Almont property, Tewksbury, Mass. - showing oil tanks	#2550	July 16, 1930
Almont property, Tewksbury, Mass. - showing boiler house, coal house and railroad tracks	#2551	July 16, 1930
Almont property, Tewksbury, Mass. - showing boiler house, coal house, oil tanks and oil filling stands	#2552	July 16, 1930
Entrance to Golf course in Mill #2, 1st floor	#2570	Oct. 23, 1930
Front entrance to Country Club Miniature Golf course on Bridge St. Mill #2	#2573	Nov. 26, 1930
Inside view of #2573	#2574	Nov. 26, 1930
Mill #1, Sect. 1 and 6	#2576	Dec. 3, 1930
Same as #2576	#2577	Dec. 3, 1930
Oil House looking towards Bridge St.	#2582	Feb. 24, 1931
Brick wall in front of Oil House	#2583	Feb. 24, 1931
Store front of Gofkauf's Stores on Bridge St. in front of Mill #2	#2612	July 29, 1931
Oil truck unloading oil	#2626	Oct. 9, 1931
Same as #2626	#2627	Oct. 9, 1931
Between Repair Shop & Post Office	#2629	Oct. 14, 1931
Gofkauf's Store front on Bridge St. in Mill #2	#2634	Oct. 23, 1931
Opening up area between Storehouses A and B and Mill #2 for driveway from Bridge St.	#2635	Nov. 10, 1931
Repairing racks for Section 8 Power House	#2636	Nov. 10, 1931
New entrance on Bridge St. between Mill #2 and Storehouses A & B	#2641	Dec. 23, 1931
Canal St. entrance looking into yard	#2656	Feb. 19, 1932
Canal St. entrance looking towards Bridge St.	#2657	Feb. 19, 1932
Becker Shoe Co. Mill #2, Sect. 4, Stitching Room	#2673	Mar. 26, 1932
Becker Shoe Co. Mill #2, Sect. 3, Cuttong Room	#2674	Mar. 26, 1932

Lowell Industrial Development Co. Becker Shoe Co. Mill #2, Sect. 4, Finishing Room	#2675	Mar. 26, 1932
Becker Shoe Co. Mill #2, Sect. 3, Lasting Room	#2676	Mar. 26, 1932
Dye House being torn down	#2700	Dec. 6, 1932
Mr. Robert Becker's private office, Becker Bros. Shoe Co. Mill #1	#2702	Dec. 16, 1932
Becker Bros. Shoe Co. main office in Mill #1	#2703	Dec. 16, 1932
Tearing down Dye House	#2704	Jan. 13, 1933
Dye House being torn down	#2707	Jan. 25, 1933
750 Kw steam turbine	#2710	Feb. 22, 1933
1500 Kw steam turbine	#2711	Feb. 22, 1933
3000 Kw steam turbine	#2712	Feb. 22, 1933
Steam turbines and water wheels in Main Power House	#2713	Feb. 22, 1933
Tearing down Boiler House at Almont property	#2714	Mar. 16, 1933
Boiler House torn down at the Almont property ditto	#2715 #2716	Mar. 23, 1933 Mar. 23, 1933
Dye House torn down	#2720	Mar. 29, 1933
Sterling Motor Lines truck whose rear wheels went through bridge over Eastern Canal	#2722	Apr. 7, 1933
Safes	#2730	June 1933
Top floor of Picker Bldg.	#2734A B C	July 31, 1933
Boiler House showing barrels of grease stored there	#2736	Aug. 9, 1933
Picker Bldg.	#2737	Sept. 1, 1933
First floor Mill #1	#2756	Jan. 8, 1934
Prescott yard from Sect. 8	#2757	Jan. 8, 1934
Gofkauf's anniversary sign over Bridge St.	#2758	Jan. 22, 1934
Fifth floor Mill #2	#2759	Jan. 22, 1934
Fourth floor Mill #2	#2760	Jan. 22, 1934
First floor Slasher Bldg.	#2770	Apr. 23, 1934
Second floor Slasher Bldg.	#2771	Apr. 23, 1934

Lowell Industrial Development Company		
Storehouses A and B being torn down	#2772	Apr. 25, 1934
ditto	#2773	May 28, 1934
Fire escape on Napping Bldg.	#2778	June 14, 1934
Site of Storehouses A & B	#2779	June 18, 1934
ditto	#2780	June 18, 1934
Site of Storehouses A & B showing entrance to yard on line with Merrimack Laundry	#2781	June 18, 1934
Site of Storehouses A & B. Beginning of grading	#2788	July 23, 1934
Directory sign board at entrance on Bridge St.	#2869	Oct. 21, 1935
Mill #1, Section 7	#2887	Dec. 27, 1935
New stairway and entrance for Sullivan Bros. printers, to 2d floor of Clothroom Bldg.	#2893	Jan. 27, 1936
Showing high water around Boiler House, Picker Bldg. & Mill #1	#2904	Mar. 14, 1936
Pumping out Boiler House	#2906	Mar. 17, 1936
ditto	#2907	Mar. 17, 1936
Slasher Bldg. being torn down	#2895	Feb. 24, 1937
Gofkauf's Store, Mill #2, yard side	#2898	Mar. 9, 1937
ditto Bridge St. front	#2990	Mar. 9, 1937
Tearing down Slasher Bldg.	#2994	Mar. 19, 1937
River wall where Slasher Bldg. is being razed	#3000	Apr. 22, 1937
Fibre ducts carrying transmission lines, incased in concrete beside river wall of the Slasher Bldg.	#3001	Apr. 22, 1937
Ramp and fill on Slasher Bldg. site	#3002	Apr. 22, 1937
Site of Storehouses A & B	#3003	May 21, 1937
ditto	#3004	May 21, 1937
Directing sign at entrance on Bridge St.	#3007	May 21, 1937
Repairing Prescott racks	#3035	Oct. 3, 1937
Gofkauf's new store front	#3051	Jan. 14, 1938
ditto	#3056	Feb. 11, 1938
Slasher Bldg. area and river wall	#3098	Aug. 4, 1938
ditto	#3099	Aug. 4, 1938
Shoe rack that was broken in Mill #1, Section 7 elevator	#3111	Dec. 28, 1938
Mill #1, Section 7 elevator which had 1 cable broken on it	#3112	Dec. 28, 1938
Boiler House inside	#3118	Mar. 8, 1939

Lowell Industrial Development Co. Taken at junction of Merrimack & Concord Rivers	#3122-A	May 15, 1939
Tenant's sign and factory space sign on Clothroom Bldg.	3136	Aug. 24, 1939
Repaired defective sidewalk in front of Gofkauf's store on Bridge St.	3150	Oct. 24, 1940
Lowell, City of, Plan of 1856 - Copy of old picture in Massachusetts Mill Yard on	2428	Nov. 26, 1928
Lowell, City of - Rain gage on filter beds at Boulevard Pumping station	2562	Aug. 12, 1930
New Boulevard well, 4 feet in diam. completed	2565	Aug. 19, 1930
One boulevard well discontinued on account of quicksand	2566	Aug. 19, 1930
Break in 30" water main 6th Street near corner of Bridge St. Lowell, Mass. 3.15 p.m.	2588	Mar. 30, 1931
ditto	2589	Mar. 30, 1931
Cracks in 30" pipe taken out at break on 6th St. Lowell, Mass.	2590	Mar. 31, 1931
ditto	2591	Mar. 31, 1931
20" pipe being laid in field west of Pawtucket Canal between Broadway & Pawtucket St. looking towards Broadway	2600	May 21, 1931
20" pipe & truck in L & C field west side of Pawtucket Canal looking north towards Pawtucket St.	2602	May 28, 1931
Trench being dug in Tyng St. for 20" city pipe looking south towards Broadway	2603	May 28, 1931
Ditch open for City 20" pipe on School St. over Merrimack River and Northern Canal. Shows end of canal curtain wall	2606	June 19, 1931
20" pipe being covered up in field between Red Bridge and Broadway	2607	June 19, 1931
Pawtucket St. bridge over Pawtucket Canal being made ready for city 20" water main, looking east at 9.30 a.m.	2613	Aug. 4, 1931
ditto looking west at 9.30 a.m.	2614	Aug. 4, 1931
20" water main under south sidewalk of Pawtucket St. bridge over Pawtucket Canal, looking east	2618	Sept. 1, 1931
ditto looking west	2619	Sept. 1, 1931
ditto looking northeast	2620	Sept. 1, 1931
Excavating on L & C reservoir lot for erection of stand- pipe for City of Lowell Water Works	2832	Mar. 19, 1935
Rear of L & C reservoir lot showing excavation for pro- posed City standpipe. P.W.A. Docket #6004	2850	June 3, 1935

Lowell, City of (cont.)

Foundation for pump house on L & C land; Stackpole St. near Alden St. P.W.P. #6004	#2871	Oct. 28, 1935
Pump house on L & C land, Stackpole St. near Alden. P.W.P. #6004	2877	Nov. 21, 1935
City pumping station on Stackpole St. formerly portion of L & C lot #84. P.W.P. #6004	2888	Dec. 27, 1935
Financial diagram	2998	Mar. 22, 1937
Lowell Ice Co.'s filling station corner of Conduit Ave. & Lakeview Ave.	2541	July 2, 1930
Lowell Ice Co.'s filling station corner of Aiken and Cheever Sts.	2542	
Lowell Gas Light Co. - tar oil etc. emptying into Pawtucket Canal through 12" C.I. pipe under School St. bridge at 2.30 p.m.	2595	May 6, 1931
ditto	2596	May 6, 1931
ditto @ 8.45 a.m.	2597	May 7, 1931
Lucy Larcom Park - Railroad centennial tablet & tracks at -	2540	June 23, 1930
Lumber on L & C land on west side of Pawtucket Canal near Pawtucket St. looking north	2593	Apr. 9, 1931
ditto looking southwest	2594	Apr. 9, 1931
ditto " "	2598	May 16, 1931
Lumber etc. belonging to D. H. Walker in "Thompson's Field" looking west	2615	Aug. 25, 1931
ditto looking east	2616	Aug. 25, 1931

Manhole cover in northerly sidewalk of Pawtucket St. bridge over Pawtucket Canal for fire hose - easterly end	2848	Apr. 24, 1935
ditto westerly "	2849	Apr. 24, 1935
Manhole location for L & C valve #76 on sidewalk in front of U.S.Postoffice, Lowell, Mass. where Daisy Niles claimed injury. Feb. 21, 1938	3065	Mar. 22, 1938
Map of Lowell showing flooded areas	2908-A	Mar. 20, 1936
Market and Suffolk St. - Damaged L & C fence corner of -	2434	Feb. 5, 1929
Massachusetts Mill yard on City of Lowell plan of 1856 - Copy of old picture in -	2428	Nov. 26, 1928
Massachusetts Mill Yards - entrance to the -	2504	Feb. 10, 1930
Massachusetts Mills - switchboard of Sect. 8 Power House at	2507	Feb. 12, 1930
Massachusetts Mill yard - entrance to	2508	Feb. 12, 1930
Massachusetts dye house - broken windows in	2509	Feb. 13, 1930
Massachusetts dye house - broken windows in, from Brown St.	2510	Feb. 13, 1930
Melvin St. Lot 31-A	2817	Jan. 11, 1935
Merrimack Mfg. Co. along river - Lawrence Section	2391	May 31, 1928
" " " " "	2392	May 31, 1928
Merrimack Boom	2422	Oct. 25, 1928
Merrimack New Sluice Gate	2425-A	Nov. 25, 1928

***PREFACE to GUIDE TO ARCHITECTURAL AND
ENGINEERING DRAWINGS***

This document describes the extensive collection of drawings produced or acquired by the Proprietors for their use in creating, maintaining, altering, and expanding their waterpower delivery system to the textile manufacturers of Lowell, Mass., and later to the New England electrical power grid.

The processing of this collection was completed in February 2007 after several years of inventorying and data entry by staff and volunteers at Lowell National Historical Park. These include Dan Walsh as project coordinator, Rebecca Hartwell and Michelle Verfaillie from LOWE park staff, along with LONG volunteers Clee A. Ace, Kathy Dery, and Steven Sussman.

Related materials include a large collection Proprietors of Locks and Canals management and operations records at Lowell National Historical Park (LOWE-5058), a large collection of individually catalogued historic PL&C photographic prints also at Lowell National Historical Park, a small collection of PL&C architectural and engineering drawings as well as historic glass plate negatives and some historic photographic prints at the University of Massachusetts/Lowell Center for Lowell History, and a large collection of business records including the papers of such notable principals as James B. Francis, Uriah A. Boyden, Patrick T. Jackson, Kirk Boott, George W. Whistler, *et al.*

Researchers may contact the Lowell National Historical Park by phone at 978-970-5241 for assistance in accessing and using this material.

INTRODUCTION

The Proprietors of the Locks and Canals on Merrimack River Architectural and Engineering Drawings series holds over 11,000 plans, elevations, renderings, charts, graphs, templates and copies thereof produced by PL&C and its partners and suppliers between the years 1801 and 1987.

It covers all aspects of the design, construction, and ongoing maintenance of the first comprehensive industrial water-power delivery system in the United States and, as such, provides a unique record for what would become the prototypical industrial power delivery system before and into the age of steam and electrical power. It also provides key information for this power delivery system today since the entire system is extant and functioning as a hydropower component of the New England regional electrical power grid.

The collection consists of six separate sub-series of drawings. They are as follows:

1. Assets Division of Boott Mills series: 1295 original drawings and copies covering the period 1828-1987.
2. Lowell Industrial Development Company boiler series: 49 copies covering the period 1948-1950.
3. Maps series: 101 maps, generally published, covering the period 1818-1939.
4. Massachusetts Mills series: 327 original drawings and copies covering the period 1856-1943.
5. Merrimack Valley sewers project of 1948 series: 161 original drawings and copies covering the period 1876-1948.
6. Numbered series: 9218 original drawings and plans covering the period 1801-1980 for original drawings with a group of nine copies of earlier plans covering the period 1729-1794.

Page 9 describes briefly the business relationships of the Assets Division of Boott Mills, the Lowell Industrial Development Company, Massachusetts Mills, and the Proprietors of the Locks and Canals. That description will illustrate why and how these seemingly unrelated drawings series were incorporated into the Proprietors of the Locks and Canals drawings collection.

SCOPE AND CONTENT NOTE

Accession number: LOWE-132

Catalog number: LOWE 5058 (PL&C collection); LOWE-6391

Quantity/ Storage: 11151 drawings in:
 82 standard map case drawers (flat storage)
 14 smaller plans case drawers
 147 six foot capped tubes (rolled storage)
 2 open shelves (oversize foldered, flat storage)

Location: Lowell National Historical Park, 67 Kirk Street, Lowell,
 Massachusetts 01852–1029. Phone 978-970-5000.

Description This collection was produced in all of the various rendering and copying media and on all of the various drawing supports typically employed throughout the nineteenth and most of the twentieth centuries. Its drawing quality ranges from the near-artistic to the casual and perfunctory. Its supports range from fine all-cotton rag paper and drafting cloth to low quality brittle wood-fiber paper as well as some mylar and acetate film. Several of the early drawings bear the names of such noteworthy figures as James B. Francis, Uriah A. Boyden and George R. Baldwin.

The Collection as Administered by the Proprietors of the Locks and Canals:

The Proprietors of the Locks and Canals on Merrimack River (PL&C) Architectural and Engineering Drawings is an organic series of over 11,000 plans, elevations, renderings, charts, graphs, templates and copies thereof produced by PL&C and its partners and suppliers between the years 1801 and 1987.

It covers all aspects of the design, construction, and ongoing maintenance of the first comprehensive industrial water-power delivery system in the United States and, as such, provides a unique record for what would become the prototypical industrial power delivery system before and into the age of steam and electrical power. It also provides key information for this power delivery system today since the entire system is extant and functioning as a hydropower component of the New England regional electrical power grid.

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The Drawings Series:

The collection consists of six separate sub-series series of drawings. They are as follows:

1. Assets Division of Boott Mills sub-series: 1295 original drawings and copies covering the period 1828-1987.
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3. Maps sub-series: 101 maps, generally published, covering the period 1818-1939.
4. Massachusetts Mills sub-series: 327 original drawings and copies covering the period 1856-1943.
5. Merrimack Valley sewers project of 1948 sub-series: 161 original drawings and copies covering the period 1876-1948.
6. Numbered sub-series: 9218 original drawings and plans covering the period 1801-1980 for original drawings with a group of nine copies of earlier plans covering the period 1729-1794.

There are two broad groups within which these six groups are contained. The first broad group is plans created by and for the PL&C in its functions and includes the Maps sub-series, the Merrimack Valley sewers project of 1948 sub-series, and the Numbered plans sub-series. The

second broad group is plans created by subsidiaries or partners or those created for a purpose outside the functions of the PL&C *per se* and includes the Assets Division of Boott Mills sub-series, the Lowell Industrial Development Company (L.I.D.C.) boiler sub-series, and the Massachusetts Mills sub-series.

Origins, Growth, and Development of the Collection:

First broad group:

The first broad group of drawings is understandable without having to go into a discussion of other or parallel business relationships. It sprang from the needs of the P.L. & C. itself and was created by them for their fundamental business objectives, the provision of water for power production or other industrial processes not related to power production.

The Numbered sub-series is the first and most fundamental of the PL&C drawings collections. It is also the oldest and the largest collection. It contains original drawings dating from 1801 and copies of drawings dating from 1729 and covers every aspect of the creation and maintenance of the water power delivery system, which is the canals, dams, gates, locks, wasteways, and their appurtenant structures, as well as the penstocks, raceways, turbine pits, and turbines themselves, and the equipment necessary to operate them. The last dated drawing is from 1980.

The Maps sub-series is primarily devoted to published maps of the Merrimack River and its watershed, along with published maps of the city of Lowell. There are also a small number of maps dealing with other areas of the country or areas of Massachusetts outside of the Merrimack River watershed. Originally the maps collection was larger and contained maps of other parts of the country or the hemisphere but these were no longer part of the collection when it was received by Lowell National Historical Park. The majority of this collection is from the nineteenth and early twentieth centuries.

The 1948 Merrimack Valley sewers project is unusual in that it is a discrete collection intended to meet a specific short-term objective to document the historic and, what was then, the current water quality of the Merrimack River. That need arose out of an initiative to address, on a regional scale, the problems of sewage and other water-borne waste in the Merrimack River Valley in Massachusetts. It involved federal, state, and local government as well as business and industry and ultimately led to a resolution of what were long standing problems.

Second broad group:

The second broad group requires some further description in order to understand how these sub-series found their way into the P.L. & C. drawings collection.

The Assets Division of Boott Mills represents a partnership involving the Boott Mills and the PL&C that dealt with the real estate assets of former Lowell textile manufacturing companies and in hydropower generation and mill sprinkler-system water delivery. Its real estate interests were in properties at 200 Market Street, at the Foot of John Street (Boott Mills complex), and at 95 Bridge Street (Massachusetts Mills). The majority of this drawings sub-series dates from the period 1950 to 1987, which makes it the most recent of the collections.

The Lowell Industrial Development Company represents another partnership, originally between Boott Mills and the Merrimack Mfg. Co. As described by Laurence Gross in his work *The Course of Industrial Decline* (p. 232), Boott Mills "...united with the Merrimack [Mfg. Co.] (controlled by the same investors) in the LIDC to buy up the real estate of the Massachusetts Mills, along with its waterpower rights plus those of the Lowell [Mfg. Co.] and Middlesex Mills and the 622 shares of Locks and Canals associated with them." The 49 plans of this sub-series cover the period 1948 to 1950 and relate to the design and installation of a steam turbine boiler by a single contractor. It is the smallest of the drawings collections. There is also a much larger group of L.I.D.C. plans in the Numbered sub-series at shelf/folio number prefix 156- , which nicely illustrates the interrelatedness of the L.I.D.C. and the PL&C but which had no provisions in its structure for this group of boiler plans.

Massachusetts Mills was one of the original 11 textile manufacturing companies and, like Boott Mills, was one of the last to remain in textile production in Lowell. As a partner in its successor, P.L. & C. seems to have inherited the extant Massachusetts Mills drawings collection, probably because it was the most logical partner to hold these drawings in view of the fact that it already maintained a large collection of its own drawings. In any case, this is the only collection of actual mill building plans held by PL&C This is not really surprising since P.L. & C. was less concerned with the actual structures raised by the textile manufacturers for their production purposes than they were with the structures of their own water power delivery system. This sub-series is also unique in that the existence or whereabouts of any other Lowell cotton mill plans are not known and, thus, it represents the only such documentation available.

These business relationships are complex because they are intertwined and involve the same individuals and the same properties. To illustrate the point even further, there was another entity known as the Assets Realization Company (1920-1946. See PL&C General Files), and another known as the Assets Division of L.I.D.C. (1943-1956. See PL&C General Files), and yet another local partnership known as Boott Hydropower, which became a wholly owned subsidiary of Consolidated Hydropower which is, itself, now a subsidiary of Enel, a major Italian-owned electric power company.

PL&C Drawing Sub-series Numbering Schemes:

1. Assets Division of Boott Mills sub-series. This sub-series was not numbered as such by PL&C but was simply held in a map case the contents of whose drawers were identified by drawer labels. Each drawer contained a typed list of abbreviated drawings titles for what was intended to have been its contents but these lists did not use plan numbers. Thus the numbering scheme employed for this sub-series of plans by Lowell National Historical Park (LOWE) staff in creating the database for this drawings sub-series uses a PL&C model, namely, a compound number consisting of an applied drawer number and an applied plan number, e.g. 01-01. In point of fact, many of the plans in this sub-series are copies of plans from other sub-series, such as the PL&C numbered sub-series, copies which bear the plan number of their sub-series of origin but which were not used in the sub-series in which they were found. Those other sub-series numbers are recorded in the database for this sub-series in a field named "Other Numbers".
2. Lowell Industrial Development Company boiler sub-series. This sub-series was not numbered by PL&C but did carry a plan numbering scheme of its creator, the Wickes Boiler Co. of Saginaw, Michigan, e.g. 51838. . This is the numbering scheme that was employed by LOWE staff in creating its database for this sub-series, with the addition of the prefix LIDC, resulting in the plan number LIDC 51838.

3. The Maps sub-series had a numbered list for its contents that was generated by PL&C The list actually consists of seven categories (i.e. Lowell Maps, New Hampshire State Maps, New Hampshire county and city maps, United States Maps, Massachusetts State Maps, Boston Maps, and Other maps) but is numbered continuously from 1 through 54 irrespective of the categorized organizational scheme. This PL&C numbering scheme is the numbering employed by LOWE staff in creating its database for this sub-series, along with the prefix Maps, e.g. Maps 001.

4. The Massachusetts Mills sub-series carries a numbering scheme that was evidently developed by Massachusetts Mills itself and simply left unaltered by PL&C This numbering scheme consists of compound alpha-numeric numbers for each of the plans, e.g. A-43, and seemingly reflects an intended categorized organizational scheme although what its categories may have been is not clear in the absence of any documentation other than the plans themselves. It is also discontinuous in its alphabetic prefixes lacking, as it does, any D-, H-, I-, J-, O-, P-, Q-, or T- through Z- prefix plans. In addition, it is discontinuous in its numbering within any given prefix group. As a typical example, the collection begins with drawing A-43 and goes next to A-47. The whereabouts of drawings A-1 through A-42 or A-44 through A-46 are unknown, as are the whereabouts of any of the other missing numbers within the other existing prefix groups, except for eight drawings still bearing their Massachusetts Mills sub-series numbers, which were renumbered by PL&C and added to their own Numbered sub-series of drawings. This may have been the fate of other missing Massachusetts Mills sub-series plans but without direct evidence there is no point in attempting to deduce what they may have been.

5. The Merrimack Valley sewers project of 1948 sub-series is like the Assets Division of Boott Mills sub-series in that it was not numbered but had typed lists of abbreviated drawings titles which, in this case, were pasted to the exterior of the large envelopes which contained the drawings. Based on the model of the Maps sub-series, the numbering scheme employed for this sub-series of plans by Lowell National Historical Park (LOWE) staff in creating the database for this drawings sub-series uses a simple continuous numbering scheme beginning with 001.

6. The Numbered sub-series is by far and away the largest of the drawings sub-series in this collection and currently bears a numbering scheme that seems to have been developed by PL&C in stages over the course of the 19th century. In its most basic form, it is a compound numero-numeric scheme the first element of which is a “shelf” or folio number separated by a hyphen from a drawing number, e.g. 131-001.

However, as the collection grew, so did the elaboration of the its numbering scheme. Since not all drawings were small enough to be stored flat by PL&C, large drawings had to be stored rolled but weren’t given “shelf” or folio numbers. Instead, they were typically stored in paste-board tubes housed in sheet-metal cases, which PL&C termed “pigeon holes”, and were given compound numbers consisting of “P.H.” prefixes followed by drawing numbers, e.g. P.H. 6-E. As the collection continued to grow, additional storage had to be found and this resulted in a yet another refinement of the numbering scheme.

In the 20th century, at least, PL&C housed its drawings in a plans vault. Evidently, at some point, that vault was expanded since the latest PL&C numbering scheme uses a locator pre-prefix to distinguish between the Upper Vault and the Lower Vault, both of which contained flat and rolled drawings. The upper vault drawings were given a “C-“ pre-prefix, e.g. C-114-1 or C-P.H. 8, while the lower vault drawings were not given any pre-prefix and continued to be numbered as shown above. The necessity of PL&C having to employ the C- locator pre-prefix stems from the

fact that it reused its shelf and pigeon hole numbers and, thus, without a location indicator, one would not know whether any given plan was in an upper or lower vault folio or pigeon hole. Since the same upper and lower vault folio and pigeon hole numbers were used for different drawing topic groups, the possibility for confusion in actual location and the annoying consequences of misfiling would indeed have been a constant problem without a location designator.

That vault expansion point seems to have been reached about the year 1900. The evidence for this is found both in the drawing dates and in the new plan number labels that begin to appear. PL&C procured a type of preprinted paper label which could be affixed to a drawing and had blank spaces following the terms “No.” and “Shelf” which were to be filled in with a drawing number and a shelf number. The printer included the year in which the labels were made, along with other proprietary information, on the margins of the label. There are three distinct groups of labels in terms of printing date: 1900, 1909, and 1913. Clearly, a compound-numbering system was in use by 1900 since it is reflected in the preprinted label form itself. In addition, the first appearance of the distinction between the “C-“ plans and the non-“C-“ plans found in the PL&C typed “Consecutive Index of Drawings” coincides with drawings dated at the turn of the 20th century. What PL&C appears to have done in making the distinction between upper and lower vault drawings was to have consolidated the older drawings in the upper vault and, folio by folio, given the C- designator to them. At the same time, PL&C seems to have instituted a uniform compound plan numbering scheme for new drawings, within which each numbered “shelf”/folio began its own internal sequence of drawing numbers starting with the number 1., e.g. 136-1>, 140-1>, etc., and which superseded an older compound numbering scheme.

It is not clear exactly why PL&C recycled shelf and pigeon hole numbers rather than simply creating a distinct sub-series of numbers for each level of its vault, especially in view of the fact that the shelf and pigeon hole numbers represent subject classifications, e.g. the subject of shelf 132 drawings is Water Wheels while the subject of shelf C-132 drawings is Hydrant Tests. Had PL&C simply given a shelf or folio sequence of 100-199 to the upper vault and 200-299 to the lower vault, with a similar distinction within the P.H. sequences, there would have been no need of yet another prefix in the form of “C-“. The existence of this pre-prefix caused no end of difficulty in processing this drawings sub-series since LOWE was not in possession of the documentation explaining it until it received the PL&C Files collection in 1997 and, within the drawings themselves, PL&C had not been consistent in correctly labeling all the “C-“ drawings as such while, in its later years, it often mixed “C-“ and non-“C-“ drawings together rather than storing them separately as was originally intended.

As noted above, the current classified numbering scheme for this drawings sub-series was developed by PL&C but it was not the original numbering scheme, which was characterized by unnecessary complexity. Beginning with number 1, it remained sequential until it reached at least number 4697 before being superseded by the newer scheme. Number 4697 is the last number clearly incorporated into the current shelf/folio or pigeon hole compound-numbering scheme at drawing number C-134-4697. This is also reflected in “Consecutive Index of Drawings”. However, a classification mechanism which unfortunately did not allow for plan number growth within its classifications was superimposed on this older sequential PL&C consecutive numbering scheme prior to the use of the “C-“ pre-prefix location designators. It resulted in anomalies such as broken plan number sequences within shelf/folio numbers, e.g. C-117-154-188 & 282-342. In this case, since the numbers between 189 and 381 had already been incorporated into shelf/folio C-118, the only thing to do was jump to the next unused sequence of numbers. The point at which

this scheme was introduced seems to have been at the time of the construction of the Northern Canal in 1846-47.

Normally, in a compound numbering scheme of the type originally employed by PL&C, one would expect to see the earliest sequential plan numbers falling within the earliest sequential shelf/folio number. However, that is not the case with these drawings. The earliest shelf/folio number is 105 (currently C-105) but it contains plans numbers 402-535. In fact, it is folio 114 (currently C-114) that contains drawings 1-61, followed by folio 115 (currently C-115) which continues with drawings 62-93. Both of these folios were devoted to the topic "Northern Canal. Sections 1 and 2. General Plans. Excavations. Masonry. 1846-47." Thus it seems that earlier classified numbering scheme for this drawings sub-series appeared about 1846 and that it must also have had to incorporate all the earlier drawings which had been generated up that time (over 200 by date from 1801 through 1845). Since James B. Francis was the chief engineer for PL&C at the time of the construction the Northern Canal, he may very well have developed this earlier classified plans numbering system. That could explain why drawing number 1 is a Northern Canal drawing rather than being the earliest drawing generated by PL&C Again, probably in answer to the awkwardness of the original compound numbering scheme, PL&C seems to have instituted, about the turn of the 20th century, a uniform plan numbering scheme for new drawings within which each numbered shelf/folio began its own internal sequence of drawing numbers starting with the number 1., e.g. 136-1>, 140-1>, etc.

PL&C Generated Drawings Collection Indices:

1. **The Card Index File.** This extensive subject index to the collection utilizes typed 4x6 ruled cards and is contained in a hardwood case that was evidently a custom-made by or for PL&C.

Intellectually, it is organized systematically using an alphabetically-arranged controlled subject-indexing vocabulary developed by PL&C. In this respect, it is similar in appearance and organization to library subject catalogues, albeit utilizing a much more restricted indexing vocabulary than Sear's or the Library of Congress List of Subject Headings. The broader subject headings (e.g. Boott Cotton Mills) can have secondary level subject groups within them (e.g. Waterwheels and Equipment) which can have, in turn, tertiary level subject groups within them (e.g. Draft Tubes). Tacked to the inside of the lid of the card file case is a typed list showing the subject-indexing vocabulary and the secondary and tertiary levels beneath whatever primary headings have secondary or tertiary level indexing. The subject cards themselves have either buff or blue colored tab divider cards to indicate their subject categories: buff for a primary subject level, blue for secondary and tertiary subject levels. Their subject headings reflect those of the typed list.

As with library subject catalogues, there can be multiple references in this subject catalogue to the same work since every drawing, like every book, is about more than just one thing. The entries on the subject cards consist of a subject heading at the tops of the cards with plan numbers and short form titles and, sometimes, dates and references to the type of the plan (e.g. BP, for blueprint) or the support of the plan (e.g. TP for tracing paper) listed below.

This was the finding aid that came with the collection when it was received by LOWE in 1989. Processing the collection was made more difficult by this subject index because it acted as only an imperfect check list owing to the existence of multiple entries, which often had conflicting or ambiguous information for the same plan number. For example, questions constantly arose as to

whether the subject card references were to original drawing or to copies of original drawings. In addition, it is not complete in that quite a number of drawings were found in the collection that were not listed in this index.

2. The Consecutive Index of Drawings Belonging to Proprietors of the Locks and Canals on the Merrimack River. This plan number index exists in the form of typed letter sized sheets. It functions in the same way as a library shelf list, that is, as a simple first number to last number list of the total plans collection with only one entry per drawing. It came to LOWE in 1997 with the final transaction between PL&C and LOWE for the disposition of the collection and has proven very helpful in resolving anomalies within the drawings collection itself. Its only drawback is that, like the card form subject index, it is not complete in that, again, quite a number of drawings were found in the collection that were not listed in this index (a selection forms Appendix 1).

3. Other lists. As noted above, under **PL&C drawings sub-series numbering schemes**, the Assets Division of Boott Mills sub-series, the Maps sub-series, and the Merrimack Valley sewers project of 1948 sub-series each had typed contents lists associated with them showing, at the least, a short form title (Appendices 4 and 5). The Maps sub-series list also numbered the maps starting with 1 and ending with 54. Like the Card Index File and the Consecutive Index, none of these lists was complete and each drawings sub-series contained many more drawings than were shown on its respective list.

Ultimate Disposition of the P. L. & C. Drawings Collection:

In October 1996, Lowell National Historical Park purchased the PL&C Architectural and Engineering drawings collection except for a selection of drawings donated earlier by the PL&C to what was then the Lowell Textile Institute (later incorporated into the University of Massachusetts, Lowell). The PL&C Consecutive Index of Drawings notes, on its Pigeon Hole and Shelf Index Upper Vault page, the shelf/folio numbers whose drawings were donated to the Lowell Textile Institute. They are: shelf/folio C-105, C-106, C-107, C-108, C-109, C-110, C-111, C-112, C-113, C-119, C-120, C-121, C-129, and C-130.

The drawings from that donation are currently maintained at the UMASS Lowell Center for Lowell History. There they have been entered into a shelf list on standard library catalogue cards and will also be found in the LOWE Access database for the drawings collection. Indeed, the entries in that database were made from the Center for Lowell History's shelf list in order to create a single, comprehensive list for entire collection. The drawings at the UMASS Center for Lowell History are given a location designator in comprehensive database for the collection.

The upper vault index page also notes that shelf/folio C-122 "Locks & Canals Office Plans" is "Gone" and that shelf/folios C-123 and C-124, both holding "Old Land Plans", were "not indexed". In fact, these notations are accurate in that no C-122 drawings were found in the processing of this collection and that C-123 and C-124 drawings do not appear in either the Card Index File or the Consecutive Index of Drawings.

The drawings collection is, however, only one element in the larger PL&C archives. Other elements are its 1) Photographs collection, 2) Directors' Records, 3) General Files, 4) Deeds, 5) Flowage Records, 6) Tax Records, 7) Stock Records, 8) Physical Data of Canal Operations

Records, and 9) 355 volumes of management records including papers of the early principals of the company such as James B. Francis and Uriah Boyden, at the Baker Library, Harvard Business School.

The Photographs collection, like the drawings collection, is shared between Lowell National Historical Park, which holds the bulk of the historic prints, and UMASS Lowell Center for Lowell History, which holds the glass plate negatives and some historic prints. The photographs held by LOWE have been catalogued and are publicly accessible through the National Park Service web catalogue beginning with number LOWE-7001. The glass plate negatives held by UMASS Lowell Center for Lowell History have been reproduced and printed and are publicly available there on-site. In addition, according to its inventory, Baker Library also holds a small number of photographs relating to canal construction.

The Directors' Records and General Files are held by Lowell National Historical Park under catalogue number LOWE-5058. They have been processed and have had a comprehensive finding aid produced for them. According to its inventory, Baker Library holds microfilm copies of the Directors' Records.

The Deeds, Flowage Records, Tax Records, Stock Records, and Physical Data of Canal Operations Records are also held by Lowell National Park under catalogue number LOWE-5058. They too have been processed and have had a comprehensive finding aid produced for them as well. Again, according to its inventory, Baker Library holds some of the types of records noted above as Physical data of Canal Operations such as Daybooks (1826-1831 and 1839-1845. LOWE holds six daybooks covering the period 1853 through 1883) or Computations on Northern Canal 1846-1848.

The large body of PL&C business records was donated to the Baker Library, Harvard Business School, in 1960 has been processed by them to the point where an inventory exists for their holdings.

The Collection as Administered by Lowell National Historical Park:

The Inventory Process:

Although Lowell National Historical Park only took formal title of all the drawings collections through purchase on October 24, 1996, its responsibilities to the Numbered sub-series, the Maps sub-series, and the Massachusetts Mills sub-series began with the signing of a Memorandum of Understanding of June 20, 1984, between the PL&C and LOWE regarding the disposition of the drawings. Thus, the National Park Service provided funding for professional conservation for the earliest of the Numbered sub-series of drawings covered by the terms of that agreement. This MOU also stipulated that a loan agreement would be arrived at between the two parties. This was effected in October, 1989, and it gave LOWE the right of first refusal in any future purchase of the collection. The loan agreement stipulated that LOWE would inventory the drawings collection.

At that point, the inventorying of the collections began in earnest. The LOWE Collection Manager developed a uniform manual inventory spreadsheet form and the process of entering drawings data onto that form began. The collection, as it was received in 1988, was accounted for on these forms, folio by folio, pigeon hole by pigeon hole, drawing by drawing. Thus, the manual inventory serves to document the "original" order of the collection as it was received by LOWE

from PL&C This is worthy of note here since the order in which those drawings were received was not the order in which PL&C intended them to be maintained according to its finding aids. In fact, the mildly chaotic order in which the drawings were received represented substantial disorder in terms of the organizational structure for them created by PL&C itself as shown in its finding aids. Returning the collection to the order intended for it by PL&C, then, would be part of the final product of the processing of the collection. The inventory process would also reveal the inclusion of the Maps and Massachusetts Mills drawings with the Numbered sub-series of drawings although they are not to be found in either the Card Index File or the Consecutive Index of Drawings.

In addition to acting as a record of the order in which the Numbered sub-series, the Maps sub-series, and the Massachusetts Mills sub-series collection was received, the manual spreadsheet inventory form was created with the ultimate objective in mind of generating an electronic database from it. It should be noted here that the Assets Division of Boott Mills drawings, the LIDC boiler sub-series drawings, and the Merrimack Valley sewers sub-series drawings were entered directly into their respective data files without being first entered first onto any manual inventory form. Advances in computer technology by 1997 had made a one step inventory process much more feasible than it had been in 1988 although the same basic data entry matrix, which reflected the old manual inventory form, was used for all of the component drawings sub-series.

That goal was accomplished and since the database incorporates both the LOWE portion of the Numbered drawings sub-series and the UMASS Lowell Center for Lowell History portion of the Numbered drawings sub-series as well as the other five drawings sub-series, and all of the information contained in both the PL&C generated Card Index File and Consecutive Index of Drawings and its Other Lists, it serves as the most complete and comprehensive access tool the total collection that currently exists.

The P. L. & C. Drawings Databases in Detail:

All six of the drawings databases are basically constructed in the same way as the original Numbered sub-series database is constructed. The data fields in order from left to right are as follows: Plan Number, Title, Date, Scale, Draftsman, Dimensions, Medium, Support, Type, Condition, Conserved, Notes, LC Topic, LC Index 1, LC Index 2, LC Index 3, Inventory Page Number, Location, Photo Negative, Photo Print, Photo Transparency. This is from the most fully developed example of a database record, namely, the Numbered sub-series of drawings.

Other sub-series may have fewer fields. If there would be no potential data for input into a particular field in a given sub-series, that field was not created for that sub-series' database. For example: the Assets division of Boott Mills sub-series, Lowell Industrial Development Company boiler sub-series, and the Massachusetts Mills sub-series do not have a Type field since there were no indexes or lists for these sub-series to compare the received body of drawings against. Again, most drawings sub-series do not have a Draftsman field since only historically significant draftsmen (e.g. James B. Francis, Uriah Boyden, etc.) were recorded in this field and the drawings in most of the sub-series were not produced directly by such individuals. Only one drawings sub-series uses a field unique to that sub-series, namely, the Assets Division of Boott Mills sub-series which uses a field titled Other Numbers. Most of the drawings in this sub-series are copies of drawings from other sub-series and, as copies, they bear the plan numbers of the originals from which they were made. Although those numbers were not applied by PL&C to

these drawings in this drawings sub-series, it proved useful to record them for cross-referencing purposes.

Data fields primarily used for drawings management purposes:

The fields Dimensions, Condition, Conserved, Inventory Page Number, Location, Photo Negative, Photo Print, and Photo Transparency are basically object management fields and do not contain information that really contributes to any genuine understanding of any of the drawings. The Dimensions are recorded for defining storage configuration needs; Condition is recorded to aid in defining potential conservation needs; Conserved defines whether, when, and by whom a plan has had professional conservation; Inventory Page Number is recorded in order to find the original manual inventory entry (there are 2426 pages in the manual inventory) in the event it has to be consulted; Location records a plan's current storage location which makes retrieval and refiling possible and also can be used for inventory control and management; the three Photo fields identify the location of any contemporary photographic copy of drawings regardless of format of why they were produced.

Data fields primarily used for description and understanding of the drawings:

The fields that are significant for understanding the drawings are Plan Number, Title, Date, Scale, Draftsman, Medium, Support, Type, Notes, LC Topic, LC Index 1, LC Index 2, and LC Index 3.

The Data Fields Described:

Plan number: The plan number is, of course, a fundamental element. Each drawing has to have a unique identifier and that identifier is the plan number. The individual numbering schemes for the various plans sub-series have been described above under P.L. & C. drawing sub-series numbering schemes and, thus, do not need to be repeated here. But it is necessary to define the use of square bracketing in the plan numbers as they appear in the databases because this bracketing was not developed by PL&C but, rather, represent LOWE inclusions.

Square brackets indicate elements in a plan number that came from some source other than PL&C

Because the database was prepared in Access, which does not support highlights such as Italics, or bolding, square brackets were the only device available to identify plan number elements that needed to be added by LOWE staff in order to provide a complete and unique drawing number and, thereby, properly incorporate plans left partially numbered or completely unnumbered by PL&C into the database. Most commonly, square brackets involve copy numbers added by LOWE to otherwise complete PL&C plan numbers, as found on the plans themselves or in the Card Index File or the Consecutive Index of Drawings (e.g. 131-001 and 131-001-[Copy 1]), where the number on the copy did not have such a suffix. This inclusion was necessary for database creation purposes but at the same time needed to be highlighted as not part of the original PL&C number as found.

In addition, wherever another plan number element was needed to make a complete number, square brackets were used in the same way, for example C-118-[345], where this drawing was found bearing the shelf/folio number C-118 without a plan number. In this case, LOWE added what would have been the next number added by PL&C if PL&C had numbered the drawing itself (C-118-344 having been the last actual number applied to a plan in this shelf/folio by PL&C).

There are other examples but they do not have to be explicated here since the general principle should be clear from the foregoing. Suffice it to say, again, that square brackets indicate elements in a plan number that came from some source other than PL&C

Title: The title is also a fundamental drawing element and titles were transcribed literally from their sources. Sources for titles are the drawings themselves, the Card Index File, the Consecutive Index of Drawings, the entries in the catalogue records created by the UMASS Lowell Center for Lowell History for the drawings it holds, and on very rare occasions, LOWE staff.

Since the titles were usually found on the drawings in title blocks, wherein they were arrayed in text lines broken to create an aesthetically appealing appearance, the line breaks created their draftsmen recorded, as found, in the title fields in the database by the use of slashes thus ...(text) / (text)... in order to preserve the sense of the title as it appears on the drawing itself. This form of title entry also unexpectedly became helpful in determining the proper plan numbers for many titled but unnumbered drawings. This convention, however, applies only to titles found on actual drawings.

Whole titles taken from any source other than the drawings themselves are recorded in square brackets. This applies to all untitled plans that were otherwise identifiable and to all plans whose titles were transcribed from the catalogue card entries of the UMASS Lowell Center for Lowell History. If more than one external source was used to construct a title, each element is bracketed separately. For example, drawing C-121-2761 is in the collection of UMASS Lowell Center for Lowell History and was given by them the title “Proprietors of the Locks and Canals on the Merrimack River. Tube.”, undoubtedly from the drawing itself. However, the title as shown in the database for drawing C-121-2761 reads “[Plans & Sections of Apparatus used in Experiments on Diffuser Pipes.] [Proprietors of the Locks and Canals on the Merrimack River. Tube.]”. Thus the database uses both the UMASS Center for Lowell History transcribed drawing title and information from the PL&C Consecutive Index of Drawings to provide more complete title information while clearly indicating that two different external sources provided that information.

This convention also applies to title elements added by LOWE staff from the PL&C Card Index File, the Consecutive Index of Drawings, or any other outside source, to drawings that have titles but whose titles were excessively laconic or lacking in important specifics. The reasoning was that if PL&C itself enhanced its drawings titles with clarifying information in its own finding aids, such clarification should be respected by being incorporated into the LOWE database as well. For example, drawing C-126-3138 bears the title “Bridge over Pawtucket Canal, as Rebuilt in 1880” but the title as shown in the database reads “[Plan & Sections of Trussed Stringer of] Bridge over Pawtucket Canal, as Rebuilt in 1880” after the inclusion of further title information from the Consecutive Index of Drawings.

Lastly, it should be pointed out that title information in the database appears in full capital letters rather than mixed upper and lower case letters both for ease of reading and in order to avoid the idiosyncratic usages of case that appear on the plans themselves. The only exception is in the use Mc or Mac.

Date: A uniform convention was developed by LOWE for this data field irrespective of any date form that appeared on any drawing, any list or index, or on records received from UMASS Lowell Center for Lowell History. The date form applied consists of year/month/day, e.g. 1900/10/22. This conventional date form allows the entire database to be displayed in date order,

which was very helpful during the inventory and analysis phase of the processing of this collection. It also allows for very convenient searching of the database by date range, e.g. the month of March, 1922.

The only caveat here is that not every drawing bears a date. If the Card Index File or the Consecutive Index of Drawings were also lacking dates for drawings that did not bear them, there is no way of finding such drawings through searching the date field in the database. This is worth noting since about 20% of the drawings in the collection lack formal dates. However, less than half of these drawings are totally dateless. Of the 20% lacking formal dating, 60% have title or other information that would enable a user to place the drawing in either a span of time or infer a specific date. In such cases, the notations “SEE TITLE” or “SEE NOTES” appear in the date field and refer the user to the Title field or the Notes field of the database record where some type of date information (e.g. a dated watermark on the drawing paper) will be found. Those drawings that are truly dateless, under 10% of the total collection, bear the note “UNDATED” in the date field. The only other exceptions to the date field convention involve drawings with months or days of the month given but without a year, e.g. 0000/02/07. There only four such drawings in the total collection.

There are no blank date fields in the database as it would be self-defeating to create a field by which the database could be meaningfully ordered but create records for it that would be outside the scope of meaningful order. When the database is put in date order, Access places the numerical dates in order first, followed by the text entries in alphabetical order.

Scale: The drawing scale is usually entered in the database as it is found on the drawing. A surprising number of drawings did not bear formal scales. Unusual scales (e.g. Marquis scale) are entered in the Notes field with the reference “SEE NOTES” in the Scale field.

Draftsman: This field records only historically significant draftsmen. These include George R. Baldwin, John F. Baldwin, Kirk Boott, William Boott, Uriah A. Boyden, James B. Francis, Hiram Mills, Patrick Tracy Jackson, Benjamin Mather, and George Whistler. Only 150 the drawings in the Numbered plans sub-series were drawn by, or at least supervised by, these men and the majority of those drawings, 68 or 45%, were by James B. Francis. The names are into the field entered last name first in order that the field can be displayed in a useful alphabetical order.

The only two plans sub-series to employ the Draftsman field are the Numbered sub-series and the Maps sub-series and in the case of the Maps sub-series, which is largely published material, the “Draftsman” name is as often the name of publisher of the map as it is the individual who actually drew it (in many cases they were one in the same). However, it is still useful to have this information accessible in a discrete field where it is easily retrievable and able to be displayed in alphabetical order.

Medium: These drawings sub-series span a wide period of time and, because of this, the image rendering media employed in their creation are quite varied. They range from black ink, colored ink, water color, graphite and colored pencil, which were used commonly in all periods, to copying techniques used largely from the later 19th century to the 1980s.

Early 19th century copies were made by hand using the same media as the original drawings themselves. Another copy method was to use lithographed base-drawings and to add details to each copy by hand. By the 1880s blueprint copying processes were beginning to appear later to be followed by diazo process copying. Other forms of copy process were usually photographic in

nature with positive and negative images appearing on paper and on transparent supports, once chemically stable sheet-form substrates, such as acetate, began to appear in the 1930s. All of these processes are represented in the PL&C drawings collection.

Support: Because these drawings sub-series span a wide period of time there is a wide range of image supports, or substrates, to be found in the collection. It should also be noted that the drawings were produced in a wide range of sizes on the wood-pulp paper and drafting cloth supports probably because PL&C procured these supports in roll form and simply cut the stock to fit its perceived drawing size need. The cotton-rag paper and mylar or film supports were very likely produced in sheet form by their manufacturers which makes them more uniform in size, and often smaller, than the other supports. Sheet form supports also require the drawing on them to be fitted to the support rather than fitting the size of the support to the needs of the drawing.

Quite a number of drawings made between 1820 and 1863 are found on high quality cotton-rag English laid paper manufactured by J. Whatman, Turkey Mill, Kent. An American manufacturer of laid paper, J. Robeson of Philadelphia, is also found in drawings from the 1840s.

Sized cotton drafting cloth, sometimes referred to as “linen”, was used by PL&C for drawings from 1834 to well into the 20th century. Together with the laid paper, drafting cloth represents the most durable of the supports.

The availability of low-cost wood-pulp papers following the Civil War caused such paper to be routinely used for drawings as well as a publishing and host of other purposes. Since its availability coincided with the era of cyanotype blueprint copying and preceded the era of diazo copying, copies from these drawings sub-series in these rendering media are on such paper and suffer accordingly.

A small group of sheet safety film negative copies was produced by PL&C in 1955 and a negative copy on sheet acetate of a 1923 graph was produced at an unknown date.

Drafting mylar was used to by PL&C produce a another small group of drawings in 1957. Both film and mylar were very minor supports in this collection largely because PL&C was in a state of contraction by the time that these supports were becoming significant in the realm of architectural and engineering drawing production.

Type: This field was developed during the processing of these drawings in order to provide a quick reference to their existential status. During the processing phase four categories were necessary to understand any given drawing’s status.

They are:

Type A. Drawings whose existence is known from either from the Card Index File or the Consecutive Index of Drawings or the unnumbered title lists for the Assets Division drawings, the Maps, and the Merrimack Valley sewer sewers project but which were not received by LOWE from PL&C

Type B. Drawings whose existence was known from those indexes and lists and which were received by LOWE from PL&C

Type C. Drawings which were received by LOWE from PL&C but whose existence was not recorded in those indexes and lists as such.

Type D. Numbered sub-series drawings donated by PL&C to Lowell Textile Institute, now UMASS Lowell and its Center for Lowell History, prior to 1984.

Type A drawings were not received by either institution nor are they held by PL&C and are probably no longer extant. In fact, the fate of one group of type A plans (shelf/folio C-122 “Locks & Canals Office Plans”) is stated on the Consecutive Index of Drawings upper vault index page as “Gone”.

Since the completion of collection processing, the distinction between types B and C has basically become moot. In point of fact, both type B and type C drawings are owned by LOWE and the National Park Service. Type D plans continue to be owned by UMASS Lowell but this type designation applies only to Numbered sub-series drawings since PL&C did not donate any plans from the other five sub-series to Lowell Textile Institute or its successor.

Notes: The Notes field is the only field in the inventory designed to receive extraneous information. It was provided for the inclusion of information considered significant, or at least potentially significant, by staff processing the collection but which had no other logical place to be put in the inventory matrix. In practice, much of what appears in the Notes field does come from PL&C sources, such as notations appearing on the drawings or from the finding aids, but inventory staff could add observations of their own such as “This plan number was used twice by PL&C” to assure any user of the database that a duplicate plan number was, in fact, created by PL&C and was not the result of processing error.

Over time, the notations in this field have shown themselves to be very helpful in locating drawings and it is well worth searching the Notes field in addition to the Title field when using the database to do comprehensive searches.

Other numbers: This field applies only to the Assets Division of Boott Mills drawings sub-series and is not found in any other datasheet. Most of the drawings in this sub-series are copies of drawings from other sub-series and, as copies, they bear the plan numbers of the originals from which they were made. Although those numbers were not applied by PL&C to these drawings in this drawings sub-series, it proved useful to record them for cross-referencing purposes.

Locks and Canals topic: This field did not originally exist in the database but was added after the Consecutive Index of Drawings was found in the PL&C Files. It reflects the subject or topic covered by the individual folio/shelves or pigeon holes of Numbered sub-series drawings as defined by PL&C in that Consecutive Index. Like the Card Index File it employs a controlled indexing vocabulary but not the same one as the Card Index File and that is the key to its value since it provides yet another way or accessing or understanding the drawings. All drawings have Locks and Canals Topic indexing. Appendix 1 provides examples of the topic headings created by PL&C for the folio/shelves and pigeon holes.

Unlike the index headings used in the Card Index File, which apply to individual drawings, the topic headings from the Consecutive Index of Drawings apply to large groups of drawings and thereby act as categorical descriptors, as opposed to the discrete descriptors used by the card

index. As a searchable field, it provides one more avenue of approach to locating the drawings any given searcher might be attempting to find.

Historically, searching plan titles for key words was not a viable search strategy option. The computer has made that possible now and, thus, key-word-in-title searches would probably be the first choice of users today. Thus, these topic headings are not as crucial today as in the past but they can still be of great utility as long as the user has access to the controlled indexing vocabulary used to create them.

Basically this field was developed for the Numbered sub-series of drawings but it has been employed by LOWE for use with the Maps sub-series and the Assets sub-series as well since they also had their own broad categories applied to them in their PL&C finding aids.

Locks and Canals index 1: This is the primary level of indexing used in the Locks and Canals subject Card Index File. All drawings have indexing at this level and that includes Type C drawings, which were not located as such in the Card Index File. In many cases Type C drawings were copies whose originals were located in the card index but were not shown in the index in any copy form. This distinction was logical and helpful at the beginning of the inventory process prior to the advent of the consecutive index because PL&C often (but not always) noted on the index cards if a drawings were a BP (blueprint) or a TP (tracing paper, but often a misnomer for drafting cloth which is as efficient as tracing paper for making copies) drawing but was no longer really significant after completion of the inventory process. Because of this, PL&C card index information was added by LOWE staff based on the indexing for the original from which the copy was made or on the subject of the plan, if discernable, in order that all drawings be searchable at this primary subject level. In a few cases this was not possible and the note "Not Assigned by PL&C" was entered in order that the field not be left blank and give the impression of being an oversight.

Locks and Canals index 2: This is the secondary level of indexing used in the Locks and Canals subject Card Index File. Unlike level 1 indexing, which PL&C applied to every drawing, they applied this level of indexing only if they believed index level 1 subjects warranted further subject breakdown. In practice, the majority of index level 1 subject headings were not developed to the secondary level.

Locks and Canals index 3: This is the tertiary level of indexing used in the Locks and Canals subject Card Index File. Indexing to this level was only used with drawings relating to the textile manufacturing firms or Saco-Lowell Shops and, even then, many drawings relating to those entities did not require subject breakdown to a third level of specificity. It is clear from the database how many fewer drawings required subject indexing to this level than even to level 2.

Appendix 3 provides the hierarchical outline structure created by PL&C for the generation and maintenance of the Card Index File and shows all of the subject headings employed by PL&C. This index and the fields it uses in the database apply only to the Numbered sub-series of drawings since, unlike the Consecutive Index of Drawings, the other sub-series have no analog to the Card Index File.

Searching the Databases:

The database format for each sub-series of drawings is basically the same structure with more or fewer fields depending on the data provided by or about each sub-series. The first and the fullest manifestation of a database is that for the Numbered sub-series of drawings. The others contain either the same number or fewer fields than the Numbered sub-series database. The only exception to this general rule is the Other Numbers field in the Assets Division of Boott Mills drawings database, which is unique and whose function is described above.

Since the datasheet for each sub-series uses the same basic matrix, they are easily comprehended when moving from one drawing sub-series to the next. In addition, they all function the same way. For example, any datafield in any drawings sub-series can be searched for any specific search term for that entire drawings sub-series. Simply highlight the datafield, in column, and click on the binoculars icon in the Access toolbar. When the “Find and Replace” window pops up, enter your search term but be certain to select “Any part of Field” in the “Match” block rather than “Whole Field”. Traditionally this feature is most often used for Title and Notes field searches since they are the largest narrative fields and contain the type of data most amenable to word searches. But any field can be searched in this way. The other choices in the “Match” block are not as useful as “Any part of Field” for general searching.

Another helpful function is the ability to arrange any datafield in alphabetical or numerical order for an entire drawings sub-series. Again, simply highlight the datafield, in column, and click on the binoculars icon in the Access toolbar. When the “Find and Replace” window pops up, enter your search term but be certain to select “Any part of Field” in the “Match” block rather than “Whole Field”. This feature is particularly useful with the Plan Number field, the Date field, the Type field, the Locks and Canals Topic field, the three Locks and Canals Index fields, and the Location field.

This ability permits the use of the Location field as an inventory control field by identifying drawings as well simply a drawing locator field. For example, used this way the drawings can be arranged in folder number (created by LOWE) order within shelf/folio (created by PL&C) The only drawback is that the drawings within that field order do not display in plan number order but entry order. However, this is only a minor inconvenience.

For the other fields, arranging the data in hierarchical order by that field enables one to 1) keep the drawings sub-series data in plan number order or return them to that order as the basic order, 2) arrange the sub-series data in date order to easily survey plans grouped by year, and within year, by month and day, 3) easily survey the entire sub-series by holder and group all Type A (not received) plans together, 4) arrange and search the drawings by their PL&C Topic headings (if they apply to the sub-series one is searching), and 5) arrange and search the Numbered sub-series drawings in PL&C Card Index File headings. As with the arranging the database in the Location field order, the drawings within that field order do not display in plan number order but entry order.

Proprietors of the Locks and Canals
on Merrimack River
Architectural and Engineering Drawings

Appendix 1

Consecutive Index of Drawings Belonging to Proprietors of the Locks and Canals on the Merrimack River: Cover sheet, Upper Vault (C- prefix) and Lower Vault summary sheets, and example of first sheet of detailed C- prefix (Upper Vault) drawings list. Because this index is both incomplete and 330 pages in length, it is not appended in full. The C- prefix detailed sheet is included to illustrate how that prefix's function was discovered given the fact that the Upper Vault summary sheet created by P.L.& C inexplicably does not show the C- prefix. This index was created by the Proprietors of the Locks and Canals.

PIGEON HOLE AND SHELF INDEX

LT1 = LOWELL TECH

UPPER VAULT

- .000. -

NUMBER	TOPIC	NUMBER	TOPIC
1.	Merrimack River Heights.	53.	Merrimack River Heights.
2.	Merrimack River	54.	
3.	Hunts Falls.		
4.	Postal Map.	to	Vacant
5.	Land Plan of Centreville.	57.	
6.	Land Plan of Lowell.	58.	Old Mill Yard Plans.
7.	Factory Mutual Mill Yard Plans.	59.	Suffolk Street Bridge.
8.	Northern Canal Gate House.	60	
9.	Pawtucket Canal.		
10.	Merrimack River.	to	Vacant.
11.	Boott Penstock.		
12.	Hamilton Wasteway.	78.	
13.	Northern Canal.	79.	Reservoir Plans.
14.	Merrimack River.	80	
15.	Merrimack River.		
16.	Lake Village & Briston, N.H.	to	Vacant.
17.	Merrimack River.		
18.	Land Plan of Lowell.	104.	
19.	Map of Boston.	105. <i>LT1</i>	Merrimack Mfg. Co. Turgines.
20.	Pawtucket Canal.	106. <i>LT1</i>	Merrimack Mfg. Co.
21.	Appleton Mfg. Co.	107. <i>LT1</i>	Hamilton Mfg. Co.
22.	Merrimack Mfg. Co.	108. <i>LT1</i>	Appleton Mfg. Co.
23.	Lawrence Mfg. Co.	109. <i>LT1</i>	Columbia Textile & Saco-Lowell
24.	Tremont Mills.	110. <i>LT1</i>	Tremont & Suffolk Mills.
25.	Map of Lowell.	111. <i>LT1</i>	Lawrence Mfg. Co.
26.	Lawrence Mfg. Co.	112. <i>LT1</i>	Boott Mills.
27.	Dynamometer.	113. <i>LT1</i>	Massachusetts Cotton Mills.
28.	Land Plan of Pawtucketville.	114. ✓	Northern Canal.
29.	Boott Penstock	115. ✓	Northern Canal.
30.	Tremont & Suffolk Mills.	116. ✓	Northern Canal.
31.	Merrimack River.	117. ✓	Moody St Feeder & Old Guard Locks.
32.	Land Plan on First St.	118.	Canals, Wasteways, & Waste Dams.
33.	Croton Acqueduct Commission.	119. <i>LT1</i>	Grist Mill - Kyanizing & Rosin
34.	Northern Canal.		Oil Apparatus.
35.	Western Canal.	120. <i>LT1</i>	Boyden Patents & Atlantic Mills.
36.	Merrimack River.	121. <i>LT1</i>	Miscellaneous.
37.	Same.	122.	Locks & Canals Office Plans. <i>(GONE)</i>
38.	Same.	123.	Land Plans. <i>NOT INDEXED</i>
39.	B. & N. R.R. Tracks.	124.	Land Plans. <i>NOT INDEXED</i>
40.	Merrimack River.	125.	Railroad Plans.
41.	Pawtucket Canal.	126.	Bridges.
42.	Hunts Falls.	127.	Flow of Water in Pipes & Conduits.
43.	Swamp Locks Gates.	128.	Pawtucket Dam & Streets and Sewers.
44.	L. & C. Reservoir.	129. <i>LT1</i>	Miscellaneous
45.		130. <i>LT1</i>	Miscellaneous Turbine Experiments.
		131.	Book of Land Plans.
to	Vacant.	132.	Hydrant Tests.
		133.	Old Mill Yard Plans.
49.		134.	Pipe Crossings & Pipe Specials.
50.	Merrimack River.	135.	J.B. Francis File.
51.		136.	Merrimack River.
52.			

PIGEON HOLES - UPPER VAULT

- .000. -

P.H.
No. C-

1. Diagrams showing Heights of River at Lake Winnipiseogee, Plymouth, Sewell's Falls, Garvins' Falls, Manchester, Nashua, and Lowell from 1895 to 1904.
2. Plan of Merrimack River between School and Moody Streets showing contours of Falls Field on North Bank.
3. Plan and Sections of Bed of Upper Portion of Hunts Falls. 1871.
4. Post Map of Pennsylvania, New Jersey, Maryland, Delaware, with adjacent territory of New York, Ohio, Virginia and West Virginia. 1869. 6m. = 1"
5. Plan of Land in Lowell and Dracut (Now Centerville) West of Bridge St. 1856.
6. Plan of Chelmsford (Now Lowell) as surveyed by Jas. Baldwin in 1825 for the Merrimack Mfg. Co and recorded in the Register of Deeds Office in Middlesex County. 1874.
7. Old Factory Mutual Mill Yard Plans.
8. Plan of part of the Northern Canal Gate House showing Hoisting Wheel with Water ways to and from same. March 1902.
9. Plan of Pawtucket Canal from School Street Bridge to Central Street Bridge showing adjacent land and streets. Large Size. 1898.
10. Profile of Merrimack and Nashua Rivers from Lowell to Nashua by U.A. Boyden, (4 drawings) 1836.
Profile showing falls or slopes between different stations and the whole fall from Jackson's Factory on the Nashua River to the Lowell Dam on the Merrimack River from June 20 to July 18, 1834, inclusive. by L. Baldwin Eng. (Orig. Tracing and Blue Print)
11. Old Plans (6) pertaining to the Boott Penstock as built in 1873, and to the Extension built in 1889.
12. Old Plan pertaining to the construction of the Hamilton Wasteway 1862-84.
13. Plan of Northern Canal and Merrimack River from above Dam to below Moody St by Chas F. Reed. 1848.
Plan of Merrimack River (in 3 parts) from Bever Brook to Mouth of Concord. Large Scale. 1861.
14. Profile of Merrimack River by Gen. Thom, U.S. Engr. Corps., from Newburyport to Manchester, N. H. showing bench gauges, etc. and obstructions to navigation from Head of Mitchell's Falls below Lawrence to Manchester. Scale 1:100 (elevation) 1861.
Profile and Plan of Hunts Falls, by Gen. Thom U.S. Eng. Corps. showing soundings and proposed cuts to make a 4' channel for navigation. Scale 1:2000. 1861.
15. Plan of Land on the Northerly side of Merrimack River in Lowell and Dracut. 1875.
Plan and profile of Merrimack from Hunts Falls to Mitchells Falls based upon proposed canal surveys.. January 1844.

PIGEON HOLE AND SHELF INDEX

- .000. -

NUMBER	TOPIC	NUMBER	TOPIC
1.	Middlesex Mills.	77.	Mill Yard Plans.
2.	Saco-Lowell Shops.	78.	Suffolk Mills.
3.	Same.	79.	Mashua River.
4.	Same.	80.	Saco-Lowell Shops.
5.	Same.	81.	Canal Margins & Canals.
6.	Merrimack River.	82.	Merrimack River.
7.	Same.	83.	Appleton Company.
8.	Corporation Hospital.	84.	Middlesex Company.
9.	Pawtucket Dam.	85.	Proposed Merrimack River channel.
10.		86.	Pipe Lines
11.	Merrimack River.	87.	Pawtucket Canal.
12.	Grist Mill.	88.	Maps of Lowell.
13.	Merrimack River.	89.	Blackwater Project.
14.	Tremont & Suffolk Mills.	90.	Livingston Sewer.
15.	Boott Cotton Mills.		Vacant.
16.	Massachusetts Cotton Mills.		
17.	Same.	130.	
18.	Hamilton Mfg. Co.	131.	Water Wheels.
19.	Centrifugal Pumps.	132.	Same.
20.	Broadway Bridge at Pawtucket Canal.	133.	Same.
21.	Massachusetts Cotton Mills.	134.	Land Plans.
22.	Map of New England.	135.	Same.
23.	Map of N.Y. and Penn.	136.	Same.
24.	First St. Boulevard.	137.	Same.
25.	U. S. Gov. Map of Nevada.	138.	Mill Yard Plans.
to	Vacant.	139.	Land Plans and Canals.
33	<i>Water Wheel Discharge Diagrams</i>	140.	Canals.
41.		141.	Same.
42.	Appleton Company.	142.	Canals, Slopes & Booms.
43.	Hamilton Company.	143.	Canal Sections.
44.	Bigelow Carpet Company.	144.	Canals & Swamp Locks.
45.		145.	
46.	Mill Yard Plans.	146.	Merrimack Manufacturing Co.
47.	Brascott Mills.	147.	Hamilton Manufacturing Co.
48.		148.	Appleton Company.
49.	Hunts Falls.	149.	Columbia Textile & Ipswich Co.
50.	Hunts Falls.	150.	Saco-Lowell & Tremont & Suffolk.
51.	Hunts Falls & Merrimack River.	151.	Lawrence Mfg. Company.
to	Vacant.	152.	Massachusetts Cotton Mills.
		153.	Boott Cotton Mills.
		154.	Merrimack River.
		155.	Small Originals.
64.		156.	Flowage - Fifth Flashboard.
65.	Bigelow Carpet Co.	157.	Same.
66.	Tremont Mills.	158.	Reservoir & Pipe Lines.
67.	Lawrence Mfg. Co.	159.	Canal System and Parts. <i>also found</i>
68.	Massachusetts Cotton Mills.	160.	Head Gates, Guard Gates & Dams.
69.	Boott Cotton Mills.	161.	
70.	Same.	162.	Miscellaneous
71.	Pipe Lines. 20".	163.	Miscellaneous Water Measurements.
72.	Pipe Lines. 24".	164.	Bridges and Concord River.
73.	Massachusetts Cotton Mills.	165.	Maps.
74.	Pipe Lines.	166.	Rainfall.
75.	Pawtucket Bridge.		
76.	Old Guard Locks.		

Appendix 2

Proprietors of the Locks and Canals Architectural and Engineering Drawings Collection: Numbered Drawings Sub-series Topic Headings

This list was created by LNHP staff to supplement the Consecutive Index of Drawings Upper and Lower Vault summary sheets by providing a current and complete list of the folio/shelf and pigeon hole topic headings. This was necessary because those summary sheets, as created by P.L.& C., are incomplete in this respect due to the fact that they had not been properly updated by them. Thus, this list provides the necessary indexing vocabulary for searching the LCTOPIC field in the database.

These topic headings were taken from the individual shelf/folio and pigeon hole lists generated by P.L.& C. as constituent parts of the Consecutive Index of Drawings. They represent a more complete list than sum of those headings found on the Upper Vault and Lower Vault summary sheets alone because those summaries were properly not updated by P. L. & C. This list is meant to supplement those vault summary sheets, which are also part of this Appendix, in order to provide a complete list topic headings for database users wishing to search the database field LCTOPIC in the Numbered sub-series of drawings.

1936 FLOOD

AMOSKEAG MFG. CO.

APPLETON MFG. CO.

B. & M. R.R. TRACKS

BIGELOW CARPET COMPANY

BLACKWATER PROJECT

BOOTT COTTON MILLS

BOOTT PENSTOCK

BOYDEN PATENTS & ATLANTIC MILLS

BRIDGE STREET & MERRIMACK RIVER BRIDGE

BRIDGES

BRIDGES & CONCORD RIVER

BROADWAY BRIDGE AT PAWTUCKET CANAL

CANAL MARGINS & CANALS

CANAL SECTIONS
CANAL SYSTEM & PARTS, ALSO FENCES
CANALS
CANALS & SWAMP LOCKS
CANALS, SLOPES & BOOMS
CANALS, WASTEWAYS, & WASTE DAMS
CENTRAL STREET BRIDGE DRAWINGS
CENTRIFUGAL PUMPS
COLUMBIA TEXTILE & IPSWICH CO.
COLUMBIA TEXTILE & SACO-LOWELL
CORPORATION HOSPITAL
CROTON ACQUADUCT COMMISSION
DRAWINGS OF BOOTT MILLS 1700 HP UNIT
DYNAMOMETER
ELECTRIC INTERCONNECTION
FACTORY MUTUAL YARD PLANS
FIRST ST. BOULEVARD
FLOOD DATA
FLOW OF WATER IN PIPES & CONDUITS
FLOWAGE-FIFTH FLASHBOARD
GRIST MILL
GRIST MILL-KYANIZING & ROSIN OIL APPARATUS
HAMILTON MFG. CO.
HAMILTON WASTEWAY
HEAD GATES, GUARD GATES & DAMS

HUNTS FALLS
HUNTS FALLS & MERRIMACK RIVER
HYDRANT TESTS
J. B. FRANCIS FILE
L. & C. RESERVOIR
LAKE VILLAGE & BRISTOL N.H.
LAND PLAN OF CENTREVILLE
LAND PLAN OF LOWELL
LAND PLAN OF PAWTUCKETVILLE
LAND PLAN ON FIRST STREET
LAND PLANS
LAND PLANS AND CANALS
LAWRENCE MFG. CO.
LIVINGSTON SEWER
LOCKS & CANALS OFFICE PLANS
LOWELL INDUSTRIAL DEVELOPMENT CO.
MAP OF BOSTON
MAP OF NEW ENGLAND
MAP OF NEW YORK AND PENN.
MAPS
MAPS OF LOWELL
MASSACHUSETTS COTTON MILLS
MERRIMACK MFG. CO.
MERRIMACK MFG. CO. TURBINES
MERRIMACK RIVER

MERRIMACK RIVER HEIGHTS
MIDDLESEX CO.
MIDDLESEX MILLS
MILL YARD ELEVATIONS AND FLOOD HEIGHTS
MILL YARD PLANS
MISCELLANEOUS
MISCELLANEOUS TURBINE EXPERIMENTS
MISCELLANEOUS WATER MEASUREMENTS
MOODY ST. FEEDER & OLD GUARD LOCKS
NASHUA MFG. CO.
NASHUA RIVER
NORTHERN CANAL
NORTHERN CANAL GATEHOUSE
NOT ASSIGNED BY P.L.& C.
OLD GUARD LOCKS
OLD MILL YARD PLANS
PAWTUCKET BRIDGE
PAWTUCKET CANAL
PAWTUCKET DAM
PAWTUCKET DAM & STREETS & SEWERS
PIPE CROSSINGS & PIPE SPECIALS
PIPE LINES
PIPE LINES. 20 INCH
PIPE LINES. 24 INCH
POSTAL MAP

PRESCOTT MILLS
PROPOSED DEVELOPMENT OF NOS. 3, 4, & 5 WHEELS AT BOOTT
PROPOSED MERRIMACK RIVER CHANNEL
PROPOSED STREET
RAILROAD PLANS
RAINFALL
RESERVOIR & PIPE LINES
RESERVOIR PLANS
SACO-LOWELL & TREMENT & SUFFOLK
SACO-LOWELL SHOPS
SIPHON SPILLWAY
SMALL ORIGINALS
SUFFOLK MILLS
SUFFOLK STREET BRIDGE
SURPLUS POWER STATION PLANS
SWAMP LOCKS GATES
TAX ABATEMENT CASE 1933-1934
TRACING OF LAND PLANS
TREMONT & SUFFOLK MILLS
TREMONT MILLS
U. S. GOV. MAP OF NEVADA
W. E. BADGER PLANS
WATER WHEEL DISCHARGE DIAGRAMS
WATER WHEELS
WESTERN CANAL

Proprietors of the Locks and Canals
on Merrimack River
Architectural and Engineering Drawings

Appendix 3

Outline of Locks & Canals Card Index File. This index was created by the Proprietors of the Locks and Canals and appears to be complete. The two- and three-level indexing structure created by P.L.& C. for some subject headings is clearly illustrated in this outline. This list provides the necessary indexing vocabulary for searching the LCINDEX 1, LCINDEX 2, and LCINDEX 3 fields in the database.

CROSS REFERENCES/SEE REFERENCES USED IN THE

OUTLINE OF LOCKS & CANALS CARD INDEX FILE

Assets Realization Company: See Columbia Textile Company
Bigelow Carpet Company: See Columbia Textile Company
Boot Dam: See Dams
Boott Gage: See Merrimack River at Lowell
Boott Penstock: See Canals
Concord River: See Merrimack River - General & Tributaries

Contoocook River: See Merrimack River - General & Tributaries

Discharge Diagrams: See Waterwheels under corporation names
Efficiency Curves: See Waterwheels under corporation names
Feeder, Moody Street: See Canals
Flumes: See Canals and also Waterways under corporation names

Hamilton Wasteway: See Waterways under Hamilton Mfg. Co.
Hickey Hall Locks: See Lawrence Dam under Dams
Lawrence Dam: See Dams
Lower Locks: See Lower Pawtucket Canal under Canals
Marden & Murphy Inc. Hamilton Mills: See Hamilton Mfg. Co.
Massachusetts Wasteway: See Eastern Canal under Canals
Meters: See Reservoir
Merrimack Wasteway: See Merrimack Canal under Canals
Mill Yard Plans: See General under corporation names
Middlesex Mills: See Ipswich Mills
Nashua Mfg. Co. - Suffolk Mills: See Tremont & Suffolk Mills
Nashua River: See Merrimack River - General & Tributaries

Prescott Mills: See Massachusetts Cotton Mills
Pawtucket Dam: See Dams
Pemigewasset River: See Merrimack River - General & Tributaries

Pipe Lines: See Reservoir and Reservoir Pipe Lines under corporation name

Pumps: See Reservoir and Reservoir Pipe Lines under corporation name

Rolling Dam: See Dams
Suncook River: See Merrimack River - General & Tributaries

Swamp Locks: See Dams
Swamp Locks Basin: See Upper Pawtucket Canal under Canals
Tremont Gates: See Dams
Winnipiseogee [sic] Lake: See Merrimack River - General & Tributaries

Water Pipes: See Reservoir and Reservoir Pipe Lines under corporation names

OUTLINE OF LOCKS & CANALS CARD INDEX FILE

This outline differs from that generated by Locks & Canals in three particulars. First, it accurately reflects the guide cards as they appear in the card index itself rather than the subject headings as they appear in the old outline. This eliminates the inconsistencies, anomalies and contradictions that grew up over the years between Locks & Canals' philosophy, as reflected in the outline, and practice, as reflected in the index card file. Secondly, the cross-referenced subject headings incorporated into the original outline have been dropped from this outline and printed separately. Those cross references (except for Brewery, Fletcher Street and High Bridge under Bridges - Locks & Canals) were not represented by guide cards in the card index itself and, thus, were outside the scope of this index. Thirdly, the guide card colors are now buff and blue. Salmon pink was no longer available in the 4 x 6 size and thus could not be used in restoring the Locks & Canals card index. All primary subject headings at the left margin have buff guide cards, secondary subject headings at the first indention have blue guide cards. No tertiary subject headings at the third indention have guide cards, which parallels Locks & Canals' practice.

A [Includes "Additional A"]

Apparatus

Appleton Company

Current Meter Measurements

(Includes all water measurements)

Reservoir Pipe Lines

Pipe and Pipe Lines

Pumps

Hydrants

Waterways, Headgates, etc.

Gates pertaining to waterways

Flumes

Penstocks

Raceways

Waterways

Waterwheels and Equipment

Waterwheels (arranged alphabetically)

Draft Tubes

Discharge, Efficiency, and Horse Power Diagrams

Runners

General

(Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)

B [Includes "Additional B"]

Booms (See also canal in which located) [no cards]

Boott Cotton Mills

Current Meter Measurements

(Includes all water measurements)

Reservoir Pipe Lines

Pipe and Pipe Lines

Pumps

Hydrants

Waterways, Headgates, etc.

Gates pertaining to waterways

Flumes

Penstocks

Raceways

Waterways

Waterwheels and Equipment

Waterwheels (arranged alphabetically)

Draft Tubes

Discharge, Efficiency, and Horse Power Diagrams

Runners

General

(Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)

Bridges - Locks & Canals

Brewery [no cards] (See Thorndike St. Bridge)

Bridge Street over Eastern Canal

Broadway over Pawtucket Canal
Central Street over Pawtucket Canal
East Merrimack Street over Eastern Canal
Fletcher Street [no cards] (See Thorndike St. Bridge)
High Bridge [no cards] (See Thorndike St. Bridge)
Merrimack Street over Merrimack Canal
Merrimack Street over Western Canal
Pawtucket Street over Northern Canal
Pawtucket Street over Pawtucket Canal
Suffolk Street over Northern Canal
Thorndike Street over Pawtucket Canal
Miscellaneous L & C Bridge Plans
Bridges other than Locks & Canals (arranged alphabetically)
Boston & Maine Railroad [See also R. R. Tracks]

C [Includes "Additional C"]

Canals

Eastern Canal
 Boott Penstock Plans
 Massachusetts Wasteway Plans
Hamilton Canal
Lawrence Canal
Lower Pawtucket Canal
Moody Street Feeder
Merrimack Canal
Northern Canal
Upper Pawtucket Canal
Western Canal
General data (pertaining to all canals)

Cement Tests

Columbia Textile Company

Current Meter Measurements
 (Includes all water measurements)

Reservoir Pipe Lines

Pipe and Pipe Lines
Pumps
Hydrants

Waterways, Headgates, etc.

Gates pertaining to waterways
Flumes
Penstocks
Raceways
Waterways

Waterwheels and Equipment

Waterwheels (arranged alphabetically)
Draft Tubes
Discharge, Efficiency, and Horse Power Diagrams
Runners

General

(Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)

Corporation Hospital
Costs of Power Used
Current Meter Measurements (See also under corporations to which they pertain)

D [Includes "Additional D"]

Dams

Boott Dam
Lawrence Dam
Lower Locks Dam
Merrimack Dam
Rolling Dam & Merrimack Wasteway
Pawtucket Dam
Swamp Locks Dam
Tremont Gate House
Middlesex Dam
General

E

Experiments

F [Includes [Additional F]]

Fences
Flashboards
Flow of Water (Experiments, etc.)
Flowage (Land plans with reference to settlements on the Mill Pond)
Forms (Blanks used by L. & C.)

G [Includes "Additional G"]

Gates (See also Reservoir, canals by name and Waterways under Corporation names)
Gears
Grist Mills

H [Includes "Additional H"]

Hamilton manufacturing company
Current Meter Measurements
(Includes all water measurements)
Reservoir Pipe Lines
Pipe and Pipe Lines
Pumps
Hydrants
Waterways, Headgates, etc.
Gates pertaining to waterways
Flumes
Penstocks

- Raceways
- Waterways
- Waterwheels and Equipment
 - Waterwheels (arranged alphabetically)
 - Draft Tubes
 - Discharge, Efficiency, and Horse Power Diagrams
 - Runners
- General
 - (Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)
- Holyoke Testing Flume
- Hydrographs

I

- Ipswich Mills
 - Current Meter Measurements
 - (Includes all water measurements)
 - Reservoir Pipe Lines
 - Pipe and Pipe Lines
 - Pumps
 - Hydrants
 - Waterways, Headgates, etc.
 - Gates pertaining to waterways
 - Flumes
 - Penstocks
 - Raceways
 - Waterways
 - Waterwheels and Equipment
 - Waterwheels (arranged alphabetically)
 - Draft Tubes
 - Discharge, Efficiency, and Horse Power Diagrams
 - Runners
 - General
 - (Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)

J

K

L

- Land Plans (By lot numbers)
- Lawrence Manufacturing Company
 - Current Meter Measurements
 - (Includes all water measurements)
 - Reservoir Pipe Lines
 - Pipe and Pipe Lines
 - Pumps
 - Hydrants

- Waterways, Headgates, etc.
 - Gates pertaining to waterways
 - Flumes
 - Penstocks
- Waterwheels and Equipment
 - Waterwheels (arranged alphabetically)
 - Draft Tubes
 - Discharge, Efficiency, and Horse Power Diagrams
 - Runners
- General
 - (Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)
- Lawrence Section of Tremont & Suffolk (See also Merrimack Mfg. Co)
 - Current Meter Measurements
 - (Includes all water measurements)
 - Reservoir Pipe Lines
 - Pipe and Pipe Lines
 - Pumps
 - Hydrants
 - Waterways, Headgates, etc.
 - Gates pertaining to waterways
 - Flumes
 - Penstocks
 - Waterwheels and Equipment
 - Waterwheels (arranged alphabetically)
 - Draft Tubes
 - Discharge, Efficiency, and Horse Power Diagrams
 - Runners
 - General
 - (Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)
- Locks & Canals
- Lowell-City of
 - Finances
 - Fire
 - Miscellaneous
 - Streets
 - Water
 - Lowell Electric Light Corporation
- Lowell Industrial Development Company (See also Massachusetts Cotton Mills)

M [Includes "Additional M"]

Maps

- Massachusetts Cotton Mills
 - Current Meter Measurements
 - (Includes all water measurements)
 - Reservoir Pipe Lines
 - Pipe and Pipe Lines
 - Pumps
 - Hydrants

- Waterways, Headgates, etc.
 - Gates pertaining to waterways
 - Flumes
 - Penstocks
- Waterwheels and Equipment
 - Waterwheels (arranged alphabetically)
 - Draft Tubes
 - Discharge, Efficiency, and Horse Power Diagrams
 - Runners
- General
 - (Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)
- Massachusetts Mohair Plush Company
- Measurements-Miscellaneous
- Merrimack Manufacturing Company
 - Current Meter Measurements
 - (Includes all water measurements)
 - Reservoir Pipe Lines
 - Pipe and Pipe Lines
 - Pumps
 - Hydrants
 - Waterways, Headgates, etc.
 - Gates pertaining to waterways
 - Flumes
 - Penstocks
 - Waterwheels and Equipment
 - Waterwheels (arranged alphabetically)
 - Draft Tubes
 - Discharge, Efficiency, and Horse Power Diagrams
 - Runners
 - General
 - (Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)
- Merrimack River - General & Tributaries
 - Below Lowell
 - Concord River
 - Nashua River
 - Moore's Falls and Manchester
 - Hooksett to Franklin Junction
 - Suncook River
 - Contoocook River
 - Lake Winnipisissett [sic] and Tributaries
 - Merrymeeting Lake
 - Pemigewasset River and Tributaries
 - River in General
- Merrimack River at Lowell
 - Boott Mill River Gage
 - Hunts Falls
 - Pawtucket Dam
 - Plans and Sections
 - Proposed Hydro-Electric Development
 - Slopes and Gauge Heights
 - Cromwell's Falls
 - General
- Mill Powers (See also under Corporations, General)

N

O

Old Guard Locks

P

Q

R [Includes "Additional R"]

R. R. Tracks (See also Boston & Maine R. R.)

Rainfall

Reservoir

Friction Loss

Gates

Meters

NOZZLES

Pipe Lines

Pumps

L. & C. Reservoir

General

Revenue (Charts showing statistics)

Run-off, Committee on

S [Includes "Additional S"]

Saco Lowell Shops

Current Meter Measurements

(Includes all water measurements)

Reservoir Pipe Lines

Pipe and Pipe Lines

Pumps

Hydrants

Waterways, Headgates, etc.

Gates pertaining to waterways

Flumes

Penstocks

Raceways

Waterways

Waterwheels and Equipment

Waterwheels (arranged alphabetically)

Draft Tubes

Discharge, Efficiency, and Horse Power Diagrams

Runners

General

(Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)

Sewers [no cards]
Streets [~~no cards~~]

T [Includes "Additional T"]

Tables (of various kinds)

Temperatures

Transmission Lines and Power Stations

Tremont & Suffolk Mills

Current Meter Measurements

(Includes all water measurements)

Reservoir Pipe Lines

Pipe and Pipe Lines

Pumps

Hydrants

Waterways, Headgates, etc.

Gates pertaining to waterways

Flumes

Penstocks

Raceways

Waterways

Waterwheels and Equipment

Waterwheels (arranged alphabetically)

Draft Tubes

Discharge, Efficiency, and Horse Power Diagrams

Runners

General

(Miscellaneous subjects pertaining to the corporation arranged in alphabetical order)

U

V

Valves

Venturi Meter

W

Wamesit Power Company

Waterwheels

Discharge Curves

Efficiency Curves

Horse-Power Curves

Allis-Chalmers

Boyden

Breast

Hercules

Hunt-McCormick

I. P. Morris

Leffel

McCormick

Nagler

New American [no cards]

Risdon

Rodney-Hunt

S. Morgan Smith

Smith McCormick

Swain

Victor

General

Weirs (See also various dams under Dams)

X-Y

Z

Proprietors of the Locks and Canals
on Merrimack River
Architectural and Engineering Drawings

Appendix 4

Merrimack River Valley Sewerage Disposal, Plans, Diagrams, Etc. This abbreviated drawings titles list was created by the Proprietors of the Locks and Canals and affixed to the large manila envelope in which the drawings were found.

Merrimack River Valley Sewerage Disposal, Plans, Diagrams, Etc. (~~Cont.~~)

Employees in some of the Lowell Mills (1836 - 1895 long hand table)

Lowell Water Works Average Daily Pumpage (from City Hall 1873 - 1947)

Cities and Towns in Merrimack River Watershed Area in Massachusetts showing Sewage Disposal. (long hand table)

Average Daily Consumption for Work of Lowell Water Works (1927 - 1932 long hand.)

Monthly Yield of Merrimack River at Lawrence Mass. in order of Dryness Sec. Ft. per Sq. Mile. (1880 - 1947 long hand table.)

Some Industrial Wastes in Lowell May 25, 1948. (1898 - 1947 long hand table.)

Average Daily Flow of Merrimack at Lawrence, Mass. July 14, 1948.(1880 - 1947 long hand table.)

Increase in the Amount of Impurities in the Merrimack River from above Lowell to above Lawrence.--Parts per 100,000. (Obtained by subtraction 1887 - 1946)

Merrimack River, above Lowell(1887 - 1947 Chemical Analysis, long hand table)

Merrimack River, below Lowell(1903 - 1946 Chemical Analysis, long hand table)

Merrimack River, above Lawrence(1887 - 1946 Chemical Analysis, long hand table)

Diagram of Ammonia content 1890 - 1945 Merrimack River above Lawrence.

Diagram of Oxygen consumed 1890 - 1945 Merrimack River above Lowell.

Diagram of Chlorine content 1890 - 1945 Merrimack River above Lowell.

Diagram of Ammonia content 1890 - 1945 Merrimack River above Lowell.

Diagram of Ammonia content 1900 - 1945 Merrimack River below Lowell.

Diagram of Chlorine content 1900 -1945 Merrimack River Below Lowell.

Diagram of Oxygen consumed 1900 - 1945 Merrimack River below Lowell.

Diagram of Oxygen consumed 1895 - 1945 Merrimack River at Lawrence.

Diagram of Chlorine content 1890 - 1945 Merrimack River above Lawrence.

Flow of Merrimack River at Lawrence, Mass. and Chlorine in Merrimack River below Lawrence Mass.

Flow of Merrimack River at Lawrence, Mass. and Chlorine in Merrimack River at Central Bridge, Lowell, Mass.

Increase of Free Ammonia between Lowell and Lawrence - Parts per 100,000 also population of Lowell.

Increase of Chlorine between Lowell and Lawrence - Parts per 100,000 also population of Lowell 1840 to 1946.

Flow of Merrimack River at Lawrence Mass and Chlorine in Merrimack River above Lowell.

Proprietors of the Locks and Canals
on Merrimack River
Architectural and Engineering Drawings

Finding Aid

Appendix 5

Assets Division of Boott Mills plans case drawer lists.

These abbreviated drawings titles lists were created by the Proprietors of the Locks and Canals. One copy of each list was found in the drawer with the plans to which it pertained. Neither the drawers nor the lists were numbered. The list headers were use by LNHP staff in creating the database for these drawings in the same way as the list headers in the Consecutive Index of Drawings were used for the Numbered sub-series of drawings, that is, to provide the necessary indexing vocabulary for searching the LCTOPIC field in the database.

TRACINGS AND PRINTS - ASSETS, 200 MARKET STREET

Originals - Assets Division

Details of 1 Pair of 48" - C - Cylinder Gate, Horizontal Hercules Turbines

Compiled Plan of "Bigelow Yard" showing Property Lines, Bldgs. and Owners

Plan of "Bigelow Yard" showing Passageways to be kept open.

Plan showing Rights of Way in Parcels 2, 7A & 7B

Plat Boott Mills - Assets Realization Division

Proposed 4" H.P. Gas Line to Pandel, Inc.

Plan of Former Mill Yard of the Bigelow-Hartford Carpet Co. showing subdivision due to
Sundry Sales

Brush Holder for Assets Exciter

Location of Bulk Storage Tank belonging to Pandel, Inc., 246 Market St., Bldg. #2

Plan of Land & Bldgs. belonging to Saco-Lowell Shops

Diagram of Special Shaft

Plan showing Permanent Rights of Way in "Bigelow Yard"

Plan showing 15ft. Wide Right of Way granted by Westgate Realty Trust to Valhalla Mills

Plan showing Land & Bldgs. belonging to Boott Mills - Assets Division-200 Market Street

Plan of Land Proposed to be bought by Valhalla Mills from City of Lowell

Plan showing Land & Bldg. #12 belonging to Boott Mills - Assets Division - 200 Market St.

Plan showing Support for G.E. AK-5 Low Voltage Cubicle - Assets Station

Plan showing Portion of Land belonging to City of Lowell, MA, 200 Market St."Bigelow Yard

Scheme #1 - Proposed Passageway for Valhalla Mills

Scheme #2 - Proposed Passageway for Valhalla Mills

High Pressure Water Line Plan - 200 Market Street

TRACINGS - FOOT OF JOHN STREET

Mill #1 and 1-1 Annex
Mill #5, 1st floor
Floor Plans - Originals
Lowell Facility
Proposed plan of addition to Mineral Industries Corp.
Electrical Distribution
Intermediate Shaft
Condensate Tank - Pellon Job
Parking Maps
First Floor plans, Bldgs. #3, 4, 3&4, 5 Connector, Fill-in 4 & 5
Elevations of #1 & 6 Mills
Plan of 6-4 East
Plan - 1st floor, Bldg. #8
Second Floor Plan "Boott Office"
Proposed Alterations for 2nd Floor "Boott Office"
Floor Plan of Jet Containers
Mill #5-4East - Proposed Relocations
Plan of first floor of Mills #8 & 9
#1 Warehouse
New area 5 - 4 East, Jamma Mfg. Co.
Floor Plan of J. C. White Stores - Storehouse
Floor Plan of Bldg. #4 for Jet Containers
Canopy for Symphonic Electronics Shipping Platform Bldg. #8
Plan of John St. Property showing proposed New Warehouse on land of Wanskuck Company
adjacent to Bldgs. 9-3 and 5 West
Covered Shipping - Bldg. #1 & 2 - Upper Yard
Plan showing portion of Boott Mills Property
Furnace Area Annex
Lowell Plant Layout
Plan showing Fire Protection Control Valves
Plan and Elevation of Loading Platform
Floor Plan - Bldgs. #2, 1 & 2 Connector, 4th floor
#3, 4 & 5 Wheels
Graph showing Boott Mills Steam Rates
Bldg. #3, 1st floor
Bldg. #3, 2nd floor
Bearings "A" & "B"
Plan of Connection to By-Pass Sprinkler Protection at former McDonald -Gage Properties
at Perkins St. between Collidge & Aiken Streets.
Bearing Mount for Wide Gate
Plan of Proposed Loading Platform, Bldg. #6
Guide Template for Walkway Racks
Rectagrid Flooring
1st Floor plan of Storehouse # 1, 2 and 3
Tremont Station Land Area L & C lease from Wanskuck
Proposed Warehouse
Parking Plan on Roof of Proposed Warehouse
Proposed Warehouse "B"
Proposed Warehouse "A"
Proposed Warehouse "C"
Proposed Modernization of 2nd and 3rd floors stairway, Bldg. #1, leading to New offices
of Symphonic Electronics
Building #1
Mass. Mohair Plush Company
Proposed additional area for Mineral Industries Corp., 1st floor, Bldg. #5-West
Canopy for 5-West Shipping Platform
Railing for Handling Iron Pins (Dam)

Proposed Location of Transformers 8C Switches, Scheme 2
Proposed Location of Transformers 8C Cables
Boott Mills, 2nd Floor
Proposed Vestibule Bldg. 3 & 4 Shipping Deck for Conveyor System of Symphonic Electronics
Proposed Conveyor over Canal for Wakefield Industries
Canopy for Warehouse Shipping Platform
Boott Mills 2nd floor plan, 5-West
Canopy for Shipping Platform, Lower Yard, Bldg. 5-East
Canopy Loading Platform Storehouse #1, 2nd Floor
Elevation of Bridge from #2 to #6 (Proposed)
Proposed Loading Platform, 4 trucks, Bldg. #3
Scrim Weaving, Boott Mills, Mass. Mohair Plush Company
Floor Plan Bldg. #4
Real Estate Belonging to Boott Mills as of November 4, 1936
Boott Mills Yard Horizontal Scale
Bldg. #1, 2 and 1&2 Connector Floor Plan
Proposed High Temp Materials in area of Bldg. 1 - 2 Connector
Proposed Garage at John Street
Scale between Post columns, Bldgs. #5-West, 3, 4, and #3&4 Connector
Scale of Bldg. #5-East, 1&2 Connector, 1 and 2
Floor Plan of Bldg. #1, 2 & 3, First thru third Floors.

TRACINGS - 95 BRIDGE STREET

Special Parking Area - 95 Bridge Street
Howdy Beefburger Plans
Head Gate Plan, #1 & 2 Hydro - Main Power
Original Floor Plans with and without Dimensions
Gate - Section 8
Head Gates - #12 Wheel
Blueprint of Unit #3
Fire Protection Control Valves for Boott Mills - Mass. Division
Proposed Office Extension for Paris Shoe Co., Bldg. #3, 4th Floor
#3 Gate - Main Power
Proposed Relay & Metering - One Line Wiring Diagram
Proposed Floor Plan of Remodeled Elevator and Toilet Tower, Bldg. #1, Section 2 & 7
Lignum Vitae Center Bearing for #3 Wheel - Main Power
Machine Room Section Proposed Elevator #2, Bldg. #1, Section 7
Proposed Hatchway for Hydraulic Freight Elevator
Plan of Office for Ideal Dresses, Inc.
Proposed Ladies Room & Private Toilet, Bldg. #2, 4th Floor
River Barge - Steel (2 Sheets) *MOVE TO RESEARCH DRAW*
Shaft Details #2 Hercules Hydro Turbine - Main Power House
Proposed Lift Between 3rd and 4th Floors of Bldg. #3
Map of Massachusetts Cotton Mills - Surveyed 2/27/22
Sketch Showing Platform and Bldg. of Howdy Beefburger
Proposed Shipping Deck Over Canal - Two Truck Capacity
Proposed Hatchway for Elevator Between Mill #5-West and 3&4 Connection
Proposed Area for Paris Shoe Company, Inc.
Proposed Steam Line LIDCO Assets Division to M.M.P. Co.
Section 8, Rack
Proposed Bridge and Shipping Deck over Canal to Bldg. #5
Outside Stairway and Ramp, #2 Mill
Proposed New Front for Entrance to Sleep Shopp, Inc.
Fire Protection Control Valves - 95 Bridge Street
Base for Boiler Feed Pump
Pipe Locations as of 6-24-64 Before Construction of New Office, Bldg. #1, Section #1
Canopy for Shipping Dock, Section 7
Canopy for Bldg. #1
Land, 95 Bridge Street, Sullivan Brothers Bldg.

PRINTS - BRIDGE STREET

Location of Drainage System in Cloth Room Addition - Mass. Mills, L.I.D.C.
Sullivan Trust Bldg. Plans
Boott Mills-Mass Division - Fire Protection Control Valves (Blueprints)
Location of New Condenser Pipe
Sketch of Frame for New Switchboard Section 8 - Wheelhouse
Elevator & Toilet Tower, Section 7 - 95 Bridge Street
Blueprint of Sketch showing area between Eastern Canal, Bridge Street and Mill #5 at LIDC
Floor Plan for Fenway Mfg. Company of Bldg. #2, Section 3, 2nd Floor
Blueprint showing Plan of Proposed Boott Mills Steam Line to Supply RKO Keith Theatre
also Proposed Property Lines for Curran-Morton's Storehouse on Canal Street
Blueprint showing Distribution of Power based on HP Ratings of Motors Installed
Floor plan of Lowell Shoe, Bridge Details
Plan & Sections of # 1 & 2 Wheel Racks
Floor plan of Paris Shoe
Blueprint of Plan showing Land of the Pepperell Mfg. Co. sold to LIDCo
Proposed Municipal Easements on Plan showing Land belonging to L&C in Vicinity of Lower Lo
Plan showing Vacant Areas at The Boott Mills, Mass. Division
Plan showing Ages of Bldgs. up to 1932, LIDCO
Plan of Land in Lowell, MA
Proposed Floor Plan of Remodeled Elevator & Toilet Tower Bldg. #1, Section 2 & 7, Bridge St
Outside Stairway & Ramp, #2 Mill - 95 Bridge Street
Wiring Diagrams - Generators, Exciters, etc.
Proposed Bridge & Shipping Deck over Canal to Bldg. #5
Diagram of Boott Mills and 95 Bridge St. Elevator Shafts.
Heat Pipe Plan - 95 Bridge Street - Bldg. 1 & 2

PRINTS - FOOT OF JOHN STREET

Furnace Water Feed and Drain - Schematic - Lowell Facility
Canal System and Portion of Merrimack and Concord Rivers
Plan of the Penstocks & Raceways for Wheels #1, 2, 3, 4, 5, 6, 7, 8 & 9 of the Boott Mills
Mass. Mohair Plush Co., Inc. - Premises: Boott Mills
Layout of entrances to #6 and #9 Penstocks - Boott Mills
Plan of Section A - A
Plan of Boott Mills - January 18, 1965
Survey of North Wall - #4 Mill
Plan of Working Area - Section 3, 4, & 5
Drawing of Boott Mills - Outside Dimensions
Layout of Symphonic Parking - June 1, 1972
Plan showing Fire Protection Control Valves for Boott Mills - Foot of John Street
Plan of Boott Mills (Cotton Mill)
Plan of Boott Mills (Cotton Cloth)
Plan of Boott Mills - April 1959
Plan of existing machinery arrangement - Bldgs. north of canal.
Plans showing Mill #1, 2, 4, 5, 6, 7 & 9
Drawing of Foundation for 2500 KW Turbine
Plan of Floor and Yard Elevations - Boott Mills
Plan of the relative floor levels of the principal buildings, Main Yard
Plan of 1st, 2nd, 3rd, 4th, 5th and 6th floors - Boott Mills
Plan and elevation of first and second floors of #1-2 Connection
Plan of Mill #5 East - 2nd Floor
Plan of First Floor - Mill #2
Property Map showing modern wide mills, replacing the present groups
Map of #6 Mill - Space Under First Floor
Plan of #4 Mill - June 1939 - (John & French Streets)
Plan of proposed Boott Mills steam line to supply Keith's Theatre; also proposed property lines for Curran-Morton's Storehouse on Canal Street
Machine Room Plan
Plan of Piers and Columns placed in Foundation of Boott #6 Mill July and August 1926
Drawing of John Street Property Showing Proposed Reconstruction of 5th Floor of Mill #6
Drawing of Elevation of Mill #6
Plan of John Street Property Showing Proposed New Warehouse on Land of Wonskuck Co.
Plan of first floor - Bldgs. #3, 4 & 5
Plan of Building #10 West
Plan of Voltage Characteristics for Wagner 2000 KVA Transformers
Plan of ACB Drawout Switchgear
Plan of Proposed Warehouse Protection for Conveyor System Floor to Floor (Symphonic)
Plan of New Bridge Between Buildings 2 & 3 at 4th Floor
Plan of Cross Sections of Boott Mills showing arrangement of machinery and processes
Plan of proposed electrical tie from Massachusetts to Boott Mills
Locks & Canal Plan of Electrical Interconnection - Diagram of Electrical Connections
Plan of Section Showing Proposed Steel Racks for 3, 4, & 5 Wheels - Boott Mills
Plan of Boott Mills 1700 H.P. Unit Elevations of Power House - Locks & Canals
Copy of original plan to accompany deed for the sale of land from L & C to Boott Mills
Sketch Showing Chimney
Plan of Elevations - Boott Mills
Plan of Proposed Alterations on Partition Walls on First Floor of 3 & 4 Connection
Plan of Tracks and Buildings West of Bridge Street Near Boott Mills
Plan of Piers - #4 Mill
Sketch Showing 8" Pipe Line in Open Area Between Mill #4 & #5 West
Plan of Building Between Mill #4 & 5
Floor Plan of Building #2 - Boott Mills

Plan of Mill #8 and Mill #9
Floor Plan #8 & 9 buildings
Plans of yard parking
Plans of yard parking - John & French Streets
Plan of Mills #3 & 4 - 3rd floor
Plan of location and detail of tie rods - Mill #6
Plans of details of beam reinforcement
Plans of storehouse between #4 & #5 West
Plan of proposed bridge over Eastern Canal
Plan of deflections of mill walls from the vertical
Plans of Mill #5 East - 2nd floor
Drawing of proposed Warehouse "A"
Drawing of proposed Warehouse "B"
Drawing of proposed Warehouse "C"
Drawing of proposed front - Boott Mills
Plan of method of renewing wooden cornice on flat roof
Plan for Transformer Shelter - Adjacent to Bldg. #8
One Electric Freight Elevator #1 Storehouse
Storehouse Elevators Installation
Storehouse #1, Fire doors for elevator
Fire Escape #1 Storehouse
Plan of Bridge between 8-3 and Storehouse dated 4/18/23
Map of Lowell showing Boott Mills dated Jan. 17, 1930

ELECTRICITY

Blueprint of cylinder for hydraulic lifts (Locks & Canals)
Blueprint of Turbine Room floor plan
Drawing of proposed reenforced concrete bridge over Merrimack River
Flood Profile of Merrimack River
Drawing - Profile of the Merrimack River
Plan of land in Lowell, Massachusetts
Blueprint - Layout of 2500 K. W. Turbine
Plan showing land of the Pepperell Manufacturing Co. sold to the Lowell Industrial Development Co.
Plan of new bridge between buildings 2 & 3 at fourth floor
Drawing showing land, buildings and waterways of the Merrimack Manufacturing Co.
Blueprint of A. C. Generator and Exciter panel
Generator A.C. Type Outline
Switchboard Front View
Outline
Switchboard Wiring Backview
Solenoid Operated Circuit Breaker
Anchoring Arrangement for Lower End of Vertical Slator Slot Sticks and Fillers
Boott Mills Foundation for 2500 KW Turbine
Plan and Elevation of #1 Penstock and Head Gate Boott Mills
Diagrammatic Sketch Showing Connections and Locations of Meters
Proposed Location of Transformers and Switches 8/7/33
Electrical Interconnection Transformer Vault at Boott Mills 9/9/33
Plan of Generator Room Operating Floor
Proposed Location of 3 Pittsburh Transformers
Detail of 60, 100 and 200 AMP Fuse Term C'ST'GS and S.P. Fuse Block Drilling Layout
Wall Supports for Compensator arranged for Conduit Wiring.
Plan of Land in Lowell, MA drawn for Boott Mills
Detail of Openings in B.M. Turbine Room Floor
Boott Mills Present Truss Between Bldgs. #2, & 3 at 3rd and 5th Floors - Footbridge and Highway Bridge over Canal. Miscellaneous Details 9/15/16
Boott Mills New Bridge between Bldgs. 2 & 3 at 4th Floor, Framing Plan, Cross Section & Deta
Proposition A - Boott Mills Layout of 2500 KW Turbine 1/24/17
Proposition A - Boott Mills Layout of 2500 KW Turbine 12/20/16
L & C Electrical Interconnection General Arrangement Transformers and Switches at Boott Mill
Plan and Elevations of Area between Mill #1 and Mill #7 at Boott Mills
Plan of Mill Yard of the Lawrence Mfg. Company showing Waterways for Water Power
Portion of the Mill Yard of Boott Mills Sept. 1939
Sprinkler Layout for #12 LIDC 5/5/54
Plan and Sections of Present & Suggested Waterwheels at LIDC Assets Div. 5/20/48
Plan showing Main Pipe Lines of the Fire Protection System 12/18/39
Blueprint of Flood of 1895 at Boott Mills Gauge
Map entitled "A Plan of Sundry Farms at Patucket in the Town of Chelmsford with Present City of Lowell Superposed 3/29/23
Blueprint showing monthly Flow of Merrimack River at Lowell, MA -Cubic Feet per Second from 1923-1940
Map showing Props. of L & C Canal System portion of City Mills, Merrimack and Concord Rivers
Boott Mills Discharge of Wheel #1
Boott Mills Discharge of Wheel #9
Normal & Actual Flow of Merrimack River at Lowell, MA 1939-1944
Plan of Prescott Yard showing Existing Bldgs, "Prescott" Power House and Contributing Waterways also existing Conditions and Changes Made Prior to August 1, 1939
Plan showing Proposed Miniature Golf Course in Mill #2, Section 4, 1st Floor 9/29/30
Plan of Mill Yards of the Mass. Cotton Mills showing Pipes laid for extinguishings Fire.
Schemes 1-7 of Bldgs. & Parking

BUILDINGS

Drawing of Jet Containers

Drawing of Mill #9

Drawing of Mill #5 - First Floor

Floor plan of Building #2 and 1 & 2 Connectors

Blueprint of Storehouse #1 - Basement

POWER & SHOPS

Drawing of "Grist Mill" - Locks & Canals

Plan of Canal System and portion of Merrimack and Concord Rivers

Plan of the Main Yard of the Merrimack Manufacturing Company, showing fire protection,
pipes and waterways.

United States Post Office plot plan.

Map showing watermains of Locks & Canals

Map of the Props. of the Locks and Canals and portion of Merrimack and Concord Rivers

Plan of F. W. D. Corp.

Plan of the Lowell Industrial Development Corporation.

Plan of the Tremont and Lawrence Yards of the Merrimack Manufacturing Company.

REAL ESTATE

Plan of land belonging to Proprietors of Locks & Canals on Canal Street and portion of Amory Street
Location Map
U. S. Department of the Interior - Geological Survey
Map of Merrimack River Drainage Area showing rainfall and stream gaging stations.
Map of New Hampshire showing rainfall, stream gaging and fire observation stations.
Plan of Profile
Plan of land of the Proprietors of the Locks and Canals, containing approximately 2,850 square feet, bordering on the Northern Canal, and land of the former Ayer Home on Pawtucket Street, Lowell, Mass.
Plan of the Props. of the Locks and Canals - Courier-Citizen Storage Shed.
Plan of the Props. of the Locks and Canals - Riggs & Lombard
Envelope containing numbered list of parts for Duplex Plunger Pumps L.I.D. Co.
Envelope containing Massachusetts Mills plans
List of Locks & Canals floor areas of mills for fire protection service
List showing changes in 1942 Locks & Canals tax schedule.
Offer to sell real estate to the Commonwealth of Massachusetts.
Photostats of real estate plans - correct to December 1, 1926.
Plan showing permanent rights of way in 'Bigelow Yard'.
Site Development Plan - Boring details Lowell Boys' Club.
Plan showing Mill #6 property lines at the Boott Mills
Plan of Swamplocks Dam showing contours in front of Dam.
Sketch for patching Swamplocks gate.
Plan of land in Lowell, Mass. owned by Wanskuck Co.
Sketch of section of Swamplocks Dam showing concrete apron.
Sketch of frame - Swamplocks Dam.
Sketch of Lawrence Dam as proposed.
Plan of land near Pawtucket Canal on the northerly side of Broadway, belonging to Proprietors of Locks and Canals.
Plan showing land belonging to Locks & Canals, southerly of Broadway.
Plan of land belonging to Locks & Canals, known as Lot 13-A
Plan of Locks & Canals showing elevation of Tremont Gatehouse and electric gate hoist.
Plan of Lowell Gas Co. regarding pipe line easement through L & C property
Plan of the Main Yard - Boot Mills
Plan of Pawtucket Bridge over Pawtucket Canal, showing repairs made in 1927.
Plan of Pellon Corporation
Plan of Falls Street and adjoining property, showing land of the Props. of the Locks & Canals used by the Marist Brothers.
Drawing of the Central Street Bridge.
Plan of land in Lowell, Mass. belonging to Van Greenby Realty Trust.
Plan of Locks & Canals land - Lots #7 and 14 between Broadway and N. & L. R.R.
Plan of iron rack on Eastern Canal for 12' tube through yard of Massachusetts Cotton Mills.
Plan showing present fences in and around the "Saco Yards"
Map showing Canal System and portion of Merrimack and Concord Rivers
Map of land of the Proprietors of Locks & Canals
Plan of land on the southerly side of the Merrimack River, known as Lots #84 & 85.
Plan of land owned by Pellon Corporation.
Sketch of proposed Building #7 - Pellon Corporation.
Sketches of land of the Locks & Canals.
Plan showing fences in and around Dutton Street parking area
Proposed Municipal easements on plan of land belonging to Locks & Canals in vicinity of the Lower Locks Dam

Plan of land in Lowell, Mass. surveyed for Saco-Lowell Co.
Plan of Lot #78
Plan showing redivision of Locks and Canals Lots 2-B, 2-C and 2-D, and Lowell Land Company's Lot 2-B-1.
Plan showing land on Bridge and Canal Streets and adjacent to the Eastern Canal, belonging to the Proprietors of the Locks and Canals.
Plan showing land to be converted to Riggs & Lombard.
Plan showing Area "B" to be conveyed and Area "C" over which easement is to be granted by Props. of Locks & Canals to Steam Associates.
Plan of land on southerly side of Merrimack River known as Lot #85.
Plan of land on southerly side of Merrimack River known as Lot #84.
Plan showing land conveyed to Appleton Co. by original indenture, also present property lines.
Plan showing portion of land and buildings belonging to Boott Mills at 95 Bridge St.
Plan showing Lot 65-B belonging to Props. of Locks & Canals
Plan showing Lots #80, 80-D and 80-F, belonging to Props. of Locks & Canals
Plan of land known as Lot 80 belonging to Props. of Locks & Canals
Plan of portion of lot #84 known as Ramp Area, belonging to Lowell Land Co.
Plan showing easement to U.S.G.S. Gauging House on Lot #84 belonging to L & C
Plan of suggested bumper cap and fence near and on Canal Street Wall
Plan of land situated between Merrimack River, Pawtucket Canal and Pawtucket St., belonging to Locks & Canals.
Plan of land showing Lot #80-F, belonging to Props. of Locks & Canals
Compiled plan of land in Lowell, Mass., for Locks & Canals.
Plan of land in vicinity of Thorndike, Fletcher, Dutton, Jackson Streets and Western Avenue, belonging to Props. of Locks and Canals
Plan of land near Pawtucket Canal and on the southerly side of Merrimack River, belonging to Props. of Locks & Canals.
Plan of land along Northern Canal between Pawtucket and Cabot Streets, belonging to Props. of Locks & Canals
Plan of land showing Props. of Locks & Canals' lots bordering Western Canal from Dutton to Broadway Streets
Plan of land easterly of School Street and northerly of Pawtucket Canal, belonging to the Props. of the Locks & Canals.
Preliminary plan of land in Lowell showing subdivision of land owned by Wanskuck Company
Compiled plan of Bigelow Yard showing property lines; buildings and owners
Plan showing real estate surveys to date belonging to Boott Mills
Plan showing P. L&C property at end of and over Eastern Canal, also property near and over Merrimack Wasteway.
Plan of Northern Canal Renewal Area
Sketch of section of School Street

HYDRO WHEELS

Props. of Locks & Canals - Water Wheels Inspection Sheet
Drawing of Thrust Bearing Thrust Plate
Drawing of bearing bushing - vertical
Copies of G. E. Prints - Tremont #4 Wheel
Blueprint - Boott Mills: Discharge of Wheel #5 - 72" Swain Wheel
Blueprint - Boott Mills: Discharge of Wheels #3 & 4 - 72" Swain Wheels
Drawing of Section 8 Gate
Print of waterwheel data
Plan showing waterways and wheels under Columbia Textile Power House
Blueprint - Boott Mills - Discharge of Wheel #6
Drawings of Headgate - #12 Wheel
Drawings of #1 Wheel at Hamilton
Drawing of Assets rack platform
Drawing of electric interconnection
Official Zoning Map of the City of Lowell
Thrust Bearing Assembly #6 Wheel
Bearing Housing Upper Type AV₇₂ 153--. 9" x 16" Bushing #6 Wheel
Bearing Bushing Type AV for #6 Wheel
Thrust Bearing Thrust Plate for #6
Generator -AC-Type-AV₇₂ 153-12 $\frac{1}{2}$ Assembly #6
Bearing Bushing - Vertical 11" x 16" Bushing #6
10 $\frac{1}{2}$ to 11 $\frac{1}{2}$ Lubricated Lignum Vitae Bearing Used on Hydraulic Turbine - #6
Boott Mills Final Powerhouse Arrangement for 1700 H.P. Hydro-Electric Unit - #6

HYDRO-WHEELS - MISCELLANEOUS

Data Sheets Electrical Interconnections
Proposed Electrical Tie from Mass. to Boott Mills 3/17/30
Spiral Chute for Boott Mills dated 12/15/20
Draft Tube Extension for #3 & #6 Wheels
Draft Tube Extensions for #1 Wheel
Extension to Draft Tubes A & B June 1, 1895
Plan and Elevation of #1 Waterwheel
Electrical Interconnection 600 Volt Switchgear Details - Boott Mills Engine Room 7/15/33
Plan showing transmission line between Boott and Merrimack Mills. 1/27/32
Electrical Interconnection-Details of Switchboard and Wiring Diagram June 22, 1933
Changes to Switchgear Concrete Details of Balcony 11/10/36
Summary of Switching Equipment
Location of Cables in Duct System
Worm and Worm Shaft for Morse Elevator 1/29/17
Hook and Link for Spreader Arm 7/28/16
Step for Wheels #1-2-3-4-6-7 dated 6/7/12
Step for #9 Wheel
Paddle Wheel for #3-4-5-6-7 & 8 Water Wheels
Layout of Jack Shaft of #3-4-5 Water Wheels
Layout of Jack Shaft of #1 & 2 Water Wheels
Layout of Jack Shaft of #9 Wheel
Switchboard Wiring Backview
Color Scheme for Pipes in Mill dated 11/29/17
Power House Switchboard 8/17/55
Assembly
Vacuum Pump and Standard Cement Foundation
Details of 22", 25" and 28" Elev. Sheave 3/16/21
Gate Hoisting Apparatus 72 inch Swain Fubine #3 & 4 Mill, dated May 1881
Average Daily Power Consumption in Kilowatt equivalents from 10/27/12 to 12/31/12
Boott Mills Switchboard Front and Rear View
New Floor in 6-7-8 Wheelhouse 3/28/23
Waste House Press
Reversible Belt Conveyor
Blending and Opening System
Blending and Opening System Plan "A"
Blending and Opening System Plan "B"
Opening Room dated 11/21/30
Blending and Opening Systems 3/23/34
Blending and Opening Systems 5/11/33

OFFICE

Plan showing location of 4 areas over and upon property of the Props. of the Locks & Canals and used by Boott Mills, also one area used for measuring water in Eastern Canal by Props. of the Locks & Canals

Plan showing real estate as far as known to date belonging to Boott Mills - Lots 12 to 16

Map showing Props. of the Locks & Canal - Canal System and portion of Merrimack and Concord Rivers

Blueprint of Mill #4

Blueprint of relative floor levels of present buildings - Main Yard

Preliminary Plan for Parking Meter Locations

NORTHERN CANAL RENEWAL AREA

Road A Over Western Canal General Plan and Elevation
Road A Over Western Canal Deck Plan and Details
Road A Over Western Canal Steel Details
Road A Over Western Canal Substructure Details
Utilities Plate #10, Drawing #21
Utilities Plate #09, Drawing #20
Layout Plate #6, Drawing #11
Layout Plate #7, Drawing #12
Layout Plate #8, Drawing #13
Layout Plate #9, Drawing #14
Layout Plate #10, Drawing #15
Layout Plate #11, Drawing #16
Layout Plate #12, Drawing #17
Layout Plate #16, Drawing #21
Utilities Plate # 9, Drawing #30
Utilities Plate #10, Drawing #31
Utilities Plate #11, Drawing #32
Utilities Plate #16, Drawing #37
Utilities Plate #10, Drawing #21
Utilities Plate #11, Drawing #22
Utilities Plate #09, Drawing #20

WESTERN CANAL BEAUTIFICATION

Lowell Sunday Sun - 4/23/62 - "Lowell: All-America City."
Lowell Sun - Article: "Old Mill Cannot Be Given Away."
Boston Sunday Globe - 4/23/72 - Article: "The Incredible Ditch" - The Old Middlesex Canal.
Boston Herald - 2/14/72 - "Lowell and King Cotton."
Lowell Sunday Sun - 8/20/72 - "Urban National Park".
Brochure: Urban National Cultural Park.
Compilation of drawings entitled "Western Canal Beautification."
Plan of Northern and Western Canals.
Plan of Western Canal Margins - Broadway to Moody Street.
Compilation of drawings entitled "Ecumenical Plaza".
Envelope containing:
 Brochure: Transit System Plan for the City of Lowell (July, 1973)
 Picture and article from the New Englander, February, 1973
 Article from Lowell Sun of July 20, 1973 entitled: "Raytheon gets O. K. to Seek Monorail Planning Funds."
 Article from Lowell Sun - 6/11/73 - Entitled "Vista Workers to Join Urban Park Crew".
 Article from Lowell Sun - 6/2/74 - entitled: "Decision on Monorail Study Due."
 Blueprint: Lowell PRT Project - Provisional Base Route.
 Two photographs of mill buildings and canal.
Brochure: Historic Districts City Committee - Final Report (1973)
Notes made by M. G. Lezberg - 9/12/73 Re: Anticipated Electric Requirement for Monorail.
Brochure: "Boott Mill Cultural Center Community".
Compilation from Bruce Campbell, Commissioner Re: Public Information Meeting in the City of Lowell - 11/1/73
Brochure: "The Power Canals of Lowell, Massachusetts - 1822 to 1860 - by Larry D. Lankton Forms for Sub-Bid.
Western Canal Alternate Parking Plans.
Brochure: "Western Canal Beautification - Model Cities Project - Specifications.
Brochure: A study of the Lowell Canal System.
Article from the Lowell Sun - 1/22/74 - "Urban Park Project Wins Prize for Design".
Brochure: Lowell National Cultural Park Development - Proposal and Cost Analysis.
Brochure: "Specifications for Ecumenical Plaza".
Drawing of Western Canal Beautification Project.

PHOTOS:

#7	-	Dam	at	the	Head	of	Pawtucket	Falls,	Lowell,	MA	-	Sept.	20,	1875
#6	-	"	"	"	"	"	"	"	"	"	-	Sept.	4,	1875
#5		"	"	"	"	"	"	"	"	"	-	Aug.	31,	1875
#4		"	"	"	"	"	"	"	"	"	-	Aug.	26,	1875
#3		"	"	"	"	"	"	"	"	"	-	July	30,	1875
#3		"	"	"	"	"	"	"	"	"	-	July	20,	1875
#1		"	"	"	"	"	"	"	"	"	-	June	8,	1875

RESERVOIR

Middlesex Yard owned by Gilet Carbonizing Co., Inc. and others showing Pipes, Etc., for Fire Protection, Waterways, Etc. for Waterpower.

Plan showing Location of Reservoir

Control for Reservoir Pump at Swamplocks

Plan showing Piping of 10" Centrifugal Pump and 24" Condenser Line at Boott Mills

Plan showing Location of 10" Centrifugal Pump installed Oct. 1919 in Prescott Power House of Mass. Cotton Mills.

Location of Sewers and Drains under Section 5, Mill #2 L.I.D.C. May 1940

Plan Showing Proposed Pipe Changes on Fire Protection System Saco-Lowell Shops

Plan showing Water Lines for Merrimack Plaza

Plan of the Jackson Properties originally Appleton Co. Showing Pipes Etc. for Fire Protection Waterways Etc for Waterpower.

20" CI Water Line with Relation to New Bank Bldg.

Work Sketch Feed and Return (Steam) Pellon Corp. Additions 5/13/69

Diagram showing the Quantity of Water (U.S. Gallons) in L & C Reservoir on Lynde's Hill for Different Gauge Readings in the Reservoir.

Plan and Elevation of Piping to Automatic Gauge Transmitter at L & C Reservoir.

Plan showing L & C Reservoir 1907 & 1912.

Plan showing Contours of L & C Reservoir Lot

RIVER BARGE - STEEL (2 SHEETS)

Proprietors of the Locks and Canals
on Merrimack River
Architectural and Engineering Drawings

Finding Aid

Appendix 6

Map list. This list was created, classified, and numbered by the Proprietors of the Locks and Canals. The group headers were use by LNHP staff in creating the database for these drawings in the same way as the list headers in the Consecutive Index of Drawings were used for the Numbered sub-series of drawings, that is, to provide the necessary indexing vocabulary for searching the LCTOPIC field in the database.

Lowell Maps.

1. *Old plan of Lowell. No date or author given.*
2. *Plan of Sundry Farms at Potucket in the town of Chelmsford, by J.C.Hales, -1821.*
- * 3. *Same as 2, (to be framed).*
- * 4. *Plan of land and buildings belonging to the Merrimack Mfg. Co. with neighboring farms and roads, at Potucket, in town of Chelmsford, by G.R.Baldwin, -1825. (to be framed).*
5. *Plan of buildings and land belonging to the Merrimack and Hamilton Mfg. Cos. and the Locks and Canals in towns of Lowell and Dracut, by J.C.Hales, -1827.*
- * 6. *Plan of town of Lowell and Belvidere Village, from measurements taken by Benj. Mather, -1822. (to be framed).*
7. *Plan of part of Lowell, from a survey made by U.A. Boyden in 1833-4, with additions by J.B.Francis, -1837.*
- * 8. *Map of city of Lowell, surveyed in 1841, by I.A. Beard and J. Hoar. (to be framed).*
- * 9. *Same as 8, but showing banks belonging to Locks and Canals. (to be framed).*
10. *Same as 8, but showing pipe lines.*
11. *Plan of land in Lowell belonging to Locks and Canals, by J.B.Francis, -1844.*
- * 12. *Plan of city of Lowell from actual surveys by Sidney and Neff, -1850. (to be framed).*
- * 13. *Map of city of Lowell, by R.W. Baker, -1858. (to be framed).*
14. *Same as 13, but showing pipe lines.*
15. *Same as 13, but with red lines for purposes unknown.*
16. *Same as 13, but showing city water pipes.*
17. *Index map of Lowell, by Rippley, -1858.*

Massachusetts State Maps.

41. Topographical map of Mass. from surveys by Simeon Borden.
42. Topographical map of Mass. from astronomical, trigonometrical, and various local surveys, -1844.

Boston Maps.

43. Plan of Boston and vicinity, showing drainage area of Stony Brook, from surveys by H.M. Wightman, (no date given).
44. Plan of lands on Back Bay showing Streets, Grades, and Sewers, with portions of adjacent Territory in Boston, Roxbury, and Brookline, by Jas. Slade, -
Dec. 31, 1861.
45. Same map as 44, but drawn by H.M. Wightman, Feb. 20, 1863.
46. Same map as 44, but drawn by H.M. Wightman, Dec. 6, 1864.

Other Maps.

47. Map of city of Lawrence, by J.H. Barker, -1853.
48. Illustrated map of the World on Mercator's Projection, by D. Johnson, -1852.
49. Post Route map of New York, and parts of Vt., Mass., Conn., N.J., and Pa., also adjacent portions of Canada, by W.L. Nicholson, -1858.
- *50. Map of Middlesex County, (Mass.), by H.F. Walling, -1855, (to be framed)
- *51. Railroad and township map of New England, with portions of New York and Provinces, by G.W. Colton -1855, (to be framed).
52. Centennial Postal Statistical map of Mass., R.I., and Conn., showing railroads, post-routes, and post-offices; also population of cities and towns, by
M. G. Cook and Frank O. Ellis, -1876.
53. Map of the World, -Rand-McNally.
54. Map of New England, -Geo. H. Walker, -1905.

New Hampshire State Maps:

18. Map of N.H. from surveys made by "supreme authority," about 1830.
19. Map of mountain and lake regions of N.H. with railroad routes, by M. Conant, 1852.
20. Township and railroad map of N.H. from actual surveys, 1854.
21. Same.
- * 22. Map of N.H. from latest official surveys and records, 1878 (to be framed).
- * 23. Same (to be framed).

New Hampshire County and City Maps. Also Winnisseegee Lake.

24. Map of Strafford County, by J. Choce, Jr., 1856.
25. Map of Lake Winnisseegee, Long Bay and Smith's Pond, 1858, by W.P. Crocker, copied by W.C. Pickersgill.
26. Map of Merrimack County, from surveys under direction of H.F. Walling, 1853.
27. Map of Cheshire County, from surveys by L. Fegan, 1853.
28. Map of Hillsboro County, from surveys by J. Choce, 1853.
29. Topographical map of Carroll County, from surveys by H.F. Walling, 1860.
30. Topographical map of Sullivan County, from surveys by H.F. Walling, 1860.
31. Map of Rockingham County, from surveys by J. Choce, Jr., 1860.
32. Topographical map of Grafton County, from surveys by H.F. Walling, 1860.
33. Map of Belknap County, from surveys by E.M. Woodford, 1869.
34. Map of city of Manchester, by J.A. Weston, 1870.

United States Maps.

35. Map of U.S., Provinces, Mexico, West Indies, by J.H. Colton, 1851.
36. Map of U.S., by A. Petermann, 1874.
37. Map of U.S. and territories with details, compiled under direction of Hon. S.S. Burdett, 1874.
38. Map of U.S. and territories with adjacent parts of Canada and Mexico, and parts of West Indies, with details, from official surveys of the General Land Office and other authentic sources, drawn by G.P. Sturm, 1885.
39. Map of U.S. and territories with adjacent parts of Canada and Mexico, also part of West Indies, with details, by Harry King, C.E., 1894.
40. Map of U.S., issued by the Chicago, Burlington, and Quincy R.R.