Finding Aid and Guide

Ensign-Bickford Collection

Archives
Simsbury Free Library

Compiled by
Kim Rutigliano
Gail A. Syring
Elise Miller

Project Director
Stephen E. Simon

2001
FINDING AID AND GUIDE TO THE ENSIGN-BICKFORD COLLECTION

Historical and personal papers, ledgers, and scrapbooks and bound material.

ENSIGN-BICKFORD COLLECTION
The majority of this collection was donated by the Ensign-Bickford company in the summer of 1998. Additional material was received in the spring of 2000.

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Note: Scrapbooks are located in Section 6

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Box 3   Articles of Agreement
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Box 4   Attendance Records Officers 1923-1930

Box 5   Book
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SECTION 9  Ledger    BOXES 156-168

BOX 156   Ledger      1898-1902      Set 3
BOX 157   Ledger      1902-1906     (Needs binding)    Set 3
BOX 158   Ledger      1907-1911      Set 3
BOX 159   Ledger      1911-1915      Set 3
BOX 160   Ledger      1919-1922      Set 3
BOX 161   Ledger      1923-1927      Set 3
BOX 162   Ledger      Sub-ledger 1931-1954    Set 4
BOX 163   Ledger      1936-1943     General (Needs work)    Set 5
BOX 164   Ledger      1944-1947     General      Set 5
BOX 165   Ledger      Banker’s Protection Co. (Tracelarm)
              Nov. 1933- Dec. 1944
BOX 166   Ledger      Cuprinol, Inc. (Darworth)
BOX 167   Ledger      Forest Interiors Corp. (Darworth)
              Ca. 1950s-1974 (inventory)
BOX 168   Ledger      Forest Interiors Corp. (Darworth)
              1972
Ledger      Forest Interiors Corp. (Darworth)
              1974
SECTION 10 BOXES 169-183

BOX 169  Ledger
(1) The National Fuse and Powder Co.
     Denver, Co.
     1901-1904
(2) Index

BOX 170  Ledger
     San Francisco Branch  1887-1903

BOX 171  Ledger
     Tracelarm, Inc.  1947-1958

BOX 172  Ledger
     Tracelarm, Inc.  1947-1955

BOX 173  Ledger
     Tracelarm, Inc.  1959-1965

BOX 174  Ledger
     Tracelarm, Inc.  1966-1969
     Ledger
     Tracelarm, Inc.  1970

BOX 175  Lein Judgement
     Folder 1  R.H. Ensign vs. Jacob and Bertha Kessehau  1894

BOX 176  Letters
     Folder 1  1851-1852 (Bacon, Bickford & Co.)
     Folder 2  Joseph R. Ensign  1920
     Folder 3  Misc.

BOX 177  Letters  27 Sept. 1899-7 Feb. 1900


BOX 180  Letters  Climax Fuse Co.  6 Sept. 1884-22 Apr. 1887

BOX 181  Letters  Climax Fuse Co.  1 Feb. 1886-29 Sept. 1897

BOX 182  Letters  Climax Fuse Co.  17 Nov. 1893-25 Sept. 1894
     Letters  Climax Fuse Co.  26 Sept. 1894-25 June 1895

BOX 183  Letters  Climax Fuse Co.  12 Feb. 1897-9 Nov. 1897
     Letters  Climax Fuse Co.  10 Nov. 1894-30 July 1898
### SECTION 11 BOXES 184-206

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<td>Letters</td>
<td>Climax Fuse Co.</td>
<td>1 Aug. 1898-29 March 1899</td>
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<td>Letters</td>
<td>Climax Fuse Co.</td>
<td>26 March 1901-15 Nov. 1901</td>
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<td>Climax Fuse Co.</td>
<td>11 Aug. 1902-28 Feb. 1903</td>
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<td>2 March 1903-14 Sept. 1903</td>
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<td>14 Sept. 1903-27 May 1904</td>
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<td>BOX 187</td>
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<td>20 May 1904-10 Nov. 1904</td>
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<td>23 Nov. 1906-15 May 1907</td>
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<td>Climax Fuse Co.</td>
<td>20 May 1907-1 Jan. 1910</td>
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<td>BOX 189</td>
<td>Memorandum</td>
<td>Technical Department Subjects Considered</td>
<td>1927-1953</td>
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<td>BOX 190</td>
<td>Minutes</td>
<td>Climax Fuse Co.</td>
<td>4 Jan. 1881-21 Jan. 1908</td>
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<td>BOX 191</td>
<td>Minutes</td>
<td>Community Club (also known as Girl's Club)</td>
<td>1920-1942</td>
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<td>BOX 192</td>
<td>Minutes</td>
<td>Cuprinol Inc. Board of Directors</td>
<td>May 1944-</td>
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<td>BOX 193</td>
<td>Minutes</td>
<td>Fuse Committee</td>
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<td>Ideal Double Tape</td>
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<td>Fuse Investigations 1920-21</td>
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<td>Digest/Final Standards 1927</td>
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<td>Minutes</td>
<td>Operating Council</td>
<td>1953-1954</td>
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<td>Minutes</td>
<td>Simsbury Investment Associates</td>
<td>1936-1940 (and records)</td>
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<td>Mortgage Loans</td>
<td>Iowa Mortgage Co.,</td>
<td>1887-1894</td>
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Kansas and Nebraska Land

**BOX 197** Newspapers.
Flood 1955
Farmington Valley Herald Thurs. Aug. 25, 1955
Thurs. Sep. 8, 1955
Hartford Courant 8-21-55 8-23-55 (2 copies) 8-26-55
8-22-55 (3 copies) 8-25-55 (2 copies) 9-25-55 (2 copies)
Hartford Times 8-20-55 8-26-55 (3 copies)

**BOX 198** Newspapers
Brooklyn Pier Explosion and Fire
3 Dec. 1956
Alabama thru New Mexico Papers (1)

**BOX 199** Newspapers
Brooklyn Pier Explosion and Fire
3 Dec. 1956
New York Times thru Wyoming Papers

**BOX 200** Notebook
Simsbury Fuse Room Office
Misc. Notes and Information ca. 1907-1922

**BOX 201** Order Book

**BOX 202** Partnership Agreements
Folder 1 William Bickford Smith 1888-1901
Folder 2 Articles of Partnership
Ensign Bickford & Co. 20 Aug. 1903

**BOX 203** Payroll
1929-1938 April only

**BOX 204** Payroll
1960
Payroll 1961

**BOX 205** Periodicals/Serials
Folder 1 The Journal of Industrial & Engineering Chemistry’
Dec. 1922

**BOX 206** Personnel Summary 1971
BOX 229  Price Lists
13 Feb.1868 (1 sheet)
Schedules (2) for Powning California (? On yr.)
1900-1904 (book)

BOX 230  Price Lists
1904

BOX 231  Price Lists
1920s-1950s
J. Kell Brandon’s Notebook

BOX 232  Product Data
Fuse-Analysis of Market Trends.
Institute for Trend Research Studies
1950s-1960s (1)

BOX 233  Product Data
Fuse-Analysis of Market Trends.
Institute for Trend Research Studies
1950s-1960s (2)

BOX 234A  Product Data
Fuse-Analysis of Market Trends
(includes Blasting Caps, Explosives, and PETN)
1961 Report (234B in section 15, bottom shelf)

BOX 235  Product Data
Fuse- Construction, Avon
1927-1949

BOX 236  Product Data
Fuse-Monthly Sheet, Avon
Sept.1909-Dec.1924

BOX 237  Product Data
Fuse-Production Figures, Avon
Aug.1923-Mar.1925
Fuse-Production Figures, Avon
May-July 1925

BOX 238  Product Data
Fuse Records, Climax Fuse Company
1941-Misc. years
BOX 239  Profit
Calculation
Manufacture of Patent Fuse

BOX 240  Profit and Loss
Oct.1916-Sept.1925

BOX 241  Profit and Loss
1925-1929
1930-1931

BOX 242  Promotional Materials
Cuprinol, Inc.
Transparencies and Script for Presentation

BOX 243  Promotional Materials
Advertisements (1930s)
Booklet: Cordeau-Bickford (1926)
Booklet: A Campaign to Promote Safety (1930)

BOX 244  Publications
The E-BEE  March 1956 (5 copies)
The E-BEE  Dec. 1965 (1 copy)

BOX 245  Publications
Souvenir Portfolio, 125th Anniversary, 1961 (w/Electro Type)
### SECTION 13 BOXES 246-258

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<td>21 Mar. 1916-2 Aug. 1917</td>
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<td>BOX 247</td>
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<td>1 Aug. 1917-31 Jan. 1919</td>
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<td>BOX 248</td>
<td>Purchases</td>
<td>6 Oct. 1920-31 May 1922</td>
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<td>BOX 249</td>
<td>Receipts</td>
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<td>Register of Visitors</td>
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<td>BOX 251</td>
<td>Rents</td>
<td>Avon</td>
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<td>ca 1910's to 1950's</td>
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<td>Report(s)</td>
<td>Flood Damage to EB Plants</td>
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<td>Production standards</td>
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<td>ca 1928-ca 1932</td>
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<td>BOX 254</td>
<td>Report(s)</td>
<td>Spanish Top Management Seminars</td>
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<td>J.E. Ellsworth</td>
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<td>BOX 255</td>
<td>Report(s)</td>
<td>Technical Conference Detonating Card &amp; Blasting Accessories</td>
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<td>Simsbury 1969</td>
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*note: gap here- go to Section 6 - Scrapbooks Boxes 259-278

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<td>Climax Fuse Co., N.Y. 5 Sept. 1884-20 Feb. 1892 (and loose notes) (incl. Price lists, 1870's)</td>
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<td>The Metallic Cap Manufacturing Co. 2 Jan. 1902-31 Dec. 1902</td>
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<td>Specifications</td>
<td>Folder 1 A Method and Material for Rendering the Coating of Fuses Incombustible(George John Smith) 1887</td>
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<td>Statements of Business</td>
<td>31 Mar. 1861-31 Dec. 1918</td>
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<td>31 Dec. 1925-31 Dec. 1929</td>
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<td>Stock Certificates</td>
<td>The Climax Fuse Company 16 Jan. 1884-20 Jan 1908 #1-#49</td>
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<td>Stock Shares</td>
<td>The Climax Fuse Company</td>
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<td>Folder 1 Estate Papers of William Bickford-Smith (1905)</td>
<td>1907-1908</td>
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<td>Folder 2 Transfer Book of the Climax Fuse co.</td>
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<td>Strikes and Lockouts</td>
<td>Folder 1 1916 Reports</td>
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<td>Tax Receipts</td>
<td>Treasurer's Office, Hitchcock Co., Neb. Received of the Western Land Co., 1891-1893</td>
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<td>Time Book</td>
<td>Jan 1859-Dec. 1859 (and account of Coiling, Oct. 1861-Apr. 1864)</td>
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<td>Time Book</td>
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<td>Time Book</td>
<td>The Climax Fuse Company 27 Apr. 1901-11 Oct. 1902</td>
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<td>The Climax Fuse Company 5 Nov. 1904-20 Oct. 1906</td>
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BOX 295  Traffic Department  
Shipping Order Info ca 1930's-ca 1940's  
(some earlier date)

BOX 296  Trial Balance  
The Metallic Cap. Manufacturing Co.  
1896, 1900, 1901, 1902, 1903

BOX 297  Trial Balance & Balance Sheets  
The Climax Fuse Company 1 Feb. 1902-1 Jan 1904
SECTION 15 PHOTOGRAFI C MATERIAL

BOX 207 Photographic Material 1
Negatives
Manufacturing Plants, Simsbury, 1955, Flood and Misc.

Envelope 1 Negatives Ensign-Bickford Company
1955 Flood, Misc. (12 negatives)

Envelope 2 Negatives Ensign-Bickford Company
1955 Flood, Misc. (12 negatives)

Envelope 3 Negatives Ensign-Bickford Company
1955 Flood, Misc. (12 negatives)

Envelope 4 Negatives Ensign-Bickford Company
1955 Flood, Misc. (12 Negatives)

BOX 208 Photographic Material 2
Photographs
Ceremony, University of Hartford, 29 March 1979
Ellsworth Centre

Dedication Ceremony April 12, 1979

BOX 208-PH2 1-2-12 Proof sheet (18 shots) (8X10 inches)

Photo of R.E. Darling, Stephen Joel Trachtenberg (University of Hartford), and John E. Ellsworth (5X7 inches)

2-2. Photo of Stephen Joel Trachtenberg, John E. Ellsworth and unknown (5X7 inches)

2-3. Group shot with John E. Ellsworth (5X7 inches)

2-4. Group shot with John E. Ellsworth (5X7 inches)

2-5. Ellsworth Family (5X7 inches)

2-6. Ellsworth Family, different pose (5X7 inches)

2-7. Group shot with Mr. & Mrs. Ellsworth and unknown (5X7 inches)

2-8. Mr. & Mrs. Ellsworth and 2 other people (5X7 inches)

2-9. John E. Ellsworth and Stephen Joel Trachtenberg (5X7 inches)
2-10. John E. Ellsworth and Stephen Joel Trachtenberg (5X7 inches)

2-11. Newspaper article Farmington Valley Herald, April 12, 1979 describing ceremony (8 ½ X7 inches)

2-12. Newspaper article Farmington Valley Herald, April 12, 1979 Describing ceremony (8 ½ X7 inches)

BOX 209 Photographic Material 3
Photographs
Ceremony “E” Award (Army/Navy)
28Jan.1944

BOX 209 PH3-3-1 R.E. Darling, Vice President and Secretary; Lt.R.B.Warren; J.K.Brandon, Executive Vice President; Lt. Paul Hamilton; Lt. Colonel Samuel G. Neff; Lt. Commander Raymond T. Fish; Captain L.P.LeTourneau; J.E.Ellsworth, Vice President and Treasurer (missing)

3-2. Band parading to tent on office lawn down Hopmeadow Street (8 1/8X10 inches)

3-3. Band (8 1/8X10 inches)

3-4. Band (8 1/8X10 inches)

3-5. J.R.Whitehead, Superintendent; and Pauline Bonczek, Jute Mill Employee (missing)

BOX 210 Photographic Material 4
Photographs
Manufacturing Plants
Louviers Plant
Louviers, Colorado
1968 (in album)
All 5 x 7
*Denotes missing picture

BOX 210 PH4 4-1 -4-30

4-1. The Plant of the Ensign-Bickford Company at Louviers, Colorado, is located on rolling prairie land. There is an imposing hill to the South, from which pictures
1,2, and 3 were taken to show the panorama, looking from North to East. In the far background may be seen the smokestack and some of the buildings of the dynamite factory of E. Idu Pont de Nemours & Company, and some of the trees in Louviers Village.

*4-4* Pictures 4, 5, and 6 show three views of the Office exterior.

*4-6* Number 4 shows the East view, or front of the office. Number 5 shows the North exposure, with the doors from the employee room leading outside to the patio and Number 6 shows the South wall adjacent to the parking lot.

*4-7-11* Interior of the office is illustrated by pictures 7 to 11 all-inclusive. Number 7 shows the Plant Manager's office, Number 8, the Western Sales Manager's office and 9, 10, and 11 show the general office and part of the fileroom.

*4-9* Pentaeryhritetetranite used in the process is stored in barricaded magazines. These are shown in picture 12, and the service docks near these magazines are shown in pictures 13 and 14.

*4-11* The first process building is covered with earth. This is called the bottling building, and is shown by picture 15.

*4-16* Next in the process is Core Production, shown by pictures 16 and 17.

*4-17* The Extruder Building is shown by picture 18.

*4-19* Picture Number 19 shows the exterior of the Refining Building, with the covered runway showing in the foreground. These runways connect all of the manufacturing buildings. The North and East sides are shown by picture 20.

*4-20* To prevent accumulations of large quantities of work in any one part of the plant, in-plant storage rooms are provided. One of these rooms, of magazine construction, is shown by picture number 21.

*4-22* The Countering and Finishing Building is situated between the parking lot and the
4-23. rest of the manufacturing complex. The West side of the building is shown in picture Number 22, and the East, or dockside, by picture 23. This building has

4-24. a high ceiling to accommodate large finishing wheels, picture 24.

4-25. There is a number of auxiliary buildings serving the production facilities.

Picture Number 25 shows one end of the Raw Material Warehouse, with a delivery being made by Castle Rock Transportation Company. The company van is also shown.

4-26. Picture Number 26 shows the truck garage, boiler house, and machine shop,

    all housed in one structure.

4-27. The Laboratory and Explosives Testing Building are shown in Picture

    Number 27. The red flag indicates that work is being done in the building that warrants caution in approaching.

4-28. Three finished Goods Warehouses are shown in picture Number 28. These buildings are removed some distance from the rest of the plant, and two of

4-29. them were the first built (1959) in the construction of the Louviers Plant. The third warehouse, built in 1967, is shown by picture Number 29.

4-30. Fire protection of the plant afforded by an automatic sprinkler system.

Picture 20 shows the Pump House, housing the engine-driven fire pumps, which obtain water from an artificial pond. This building also contains the wellhead for supplying water not only to this pond, but also to an underground reservoir for use in the office and plant.

**BOX 211**  
**Photographic Material 5**  
Photographs  
Blasting Scenes, Manufacturing scenes and sites, some used for advertising

**BOX 211-PH5-5-1**  
Mountain strung wired for blast with three on platform  
(3 ½X5 ¼ inches)

5-2. Mining scene with wagons (9 ½ X6 ¾ inches)
5-3. Mining scene with wagons (9 ½ X6 ¾ inches)
5-4. Blast site as happened (9 ½ X6 ¾ inches)
5-5. Blast site aftermath (9 ½ X6 ¾ inches)
5-6. Blast site
5-7. Blast site as happened (9 ½ X6 ¾ inches)
5-8. Rail tracks, blasting smoke in background, Kutztown, PA. (torn) (8X10 ¼ inches)
5-9. California Trojan Powder Company (on back) (8X10 inches)
5-10. Derrick (2 5/8X4 ¼ inches)
5-11. Workers (2 5/8X4 ¼ inches)
5-12. Plant (2 5/8X4 ¼ inches)
5-13. Bridge at mining site (7 ¾ X6 ¼ inches)
5-14. Blasting scene (5X7 inches)
5-15. Mining site (8X10 inches)
5-16. Rail car (8X10 inches)
5-17. Quarry scene, snow machinery (haze blasting) (8X10 inches)
5-18. Quarry scene, snow, blasting (8X10 inches)
5-19. Rail cars at quarry (3 ¼ X5 ½ inches)
5-20. Workers laying Cordeau in snow (8X10 inches)
5-21. Rail lines at quarry (8X10 inches)

BOX 212-PH6-6-1 Boxed Clover Fuse on unknown loading platform dev. 1912

6-2. Boxed Clover Fuse on unknown loading platform dev. 1912 (3X4 ¾ inches)
6-3. Boxed Clover Fuse on unknown loading platform dev. 1912 (3X4 ¾ inches)
6-4. Wooden shipping case w/roll of Cordeau and Cordeau along side (3X4 ¾ inches)
6-5. Wooden shipping case w/roll of Cordeau and Cordeau along side (3X4 ¾ inches)
6-6. Reels of unknown Cordeau/Clover label at 5 o’clock (3X4 ¾ inches)
6-7. Reels of unknown Cordeau/Clover label at 5 o’clock (3X4 ¾ inches)
6-8. Reels of unknown Cordeau/Clover label at 5 o’clock (3X4 ¾ inches)
6-9. Reels of unknown Cordeau/Clover label at 5 o’clock (3X4 ¾ inches)
6-10. Reels of unknown Cordeau/Clover label at 11 o’clock (3X4 ¾ inches)
6-11. Reels of unknown Cordeau/Clover label at 11 o’clock (3X4 ¾ inches)
6-12. Reels of unknown Cordeau/Clover label at 11 o’clock (3X4 ¾ inches)
6-13. Reels of unknown Cordeau/Clover label at 11 o’clock
6-14. Reel of Clover brand with labeled carton
6-15. Reel of Clover brand not identified to above
6-16. Du Pont connector (tentative ID)
6-17. Du Pont concrete mold for above
6-18. Bench Fuse Cutter box (tentative ID)
6-19. Bench Fuse Cutter box, side view (3X4 ¼ inches)
6-20. Bench Fuse Cutter box, from above shows pliers (3X4 ¼ inches)
6-21. Cordeau Bickford detonating fuse (3X4 ¼ inches)
6-22. Cordeau Bickford detonating fuse (3X4 ¼ inches)
6-23. Cordeau Bickford detonating fuse (3X4 ¼ inches)
6-24. Cordeau Bickford detonating fuse (3X4 ¼ inches)
6-25. Hot wire lighter (3X4 ¼ inches)
6-26. Hot wire lighter, different view (3X4 ¼ inches)
6-27. Pull wire lighter (3X4 ¼ inches)
6-28. Pull wire lighter, different from above (3X4 ¼ inches)
6-29. Reel of Cordeau (7 ¼ X10 inches)
6-30. Fuel Igniting Device (7 ¼ X10 inches)

BOX 213 Photographic Material 7
Photographs
Ceremonies, Long Service Awards
“E” Award (Army/Navy), 16 Oct. 1946

BOX 213-PH7-7-1. Service Awards, 1946, Thirty five and Forty Year Service Awards
16 Oct. 1946, taken in front of the shipping room. (8X10 ¼ inches)
1st Row (seated) Left to Right: H.E. Ellsworth, Lena Brown, Frank Zablocki, Mary Halagan, Max Zeidler, Annie Prowe, George Connor, Robert Brown, Charles E. Curtiss II.


7-2. Luncheon for Forty and Fifty Year Service Awards
16 Oct. 1946, Recipients and Guests at Joseph Toy Building, EBCO, Shown Left to Right: Mrs. Charles Fletcher, Charles Fletcher (who received his Fifty Year Award), Mrs. J. Kell Brandon, and Mr. Brandon, President of EBCO. (8X10 ¼ inches)

7-4. “E” Award Army-Navy “E” Plaque, view of guests gathered under tent: Pat Cleary, Lena Brown, George Soule, John Zablocki, Bryon Miller, Leonard Miller (8X10 1/8 inches)

7-5. “E” Award Ceremony, some names on back: R.E. Darling, Charles Halagan, Patrick Cleary (8X10 1/8 inches)

7-6. Marjorie Shaw accepting “Plaque” for Simsbury employees, George Brown accepting “Plaque” for Avon employees

7-7. “E” Award Plaque (8 ½ X11 inches)


7-9. 1946 Fifty-Year Service Award to Charles Fletcher from H.E. Ellsworth (banjo clock) Left to Right: J.K. Brandon, R. Darling, J.E. Ellsworth, Michael G. Bickford-Smith, S.S. Ellsworth (X10 3/8 inches)


Table One at left (clockwise) Clarence Monk, John O’Meara, Robert Irving, Peter Babb, John D. Rich, Mrs. John D. Rich, Ralph E. Merritt, Frank Zablocki, John Chalmers, Mrs. George O’Connor, George O’Connor, Robert E. Darling, Hester Zeidler, Max Zeidler, Grace and John Ellsworth, Bertha Prokopec, Annie Prowe, and James Toomey.

Table Two: Arthur Tuller, Mrs. Arthur Tuller, Mrs. Charles E. Curtiss, Charles E. Curtiss, unknown, unknown, Michael Bickford-Smith, Mrs. Charles Fletcher, Charles Fletcher, Mrs. J.K. Brandon, Arthur Hill, Elwyn Jones, Charles Halagan, Mary Halagan, Stoughton S. Ellsworth, Mrs. Henry E. Ellsworth, Henry E. Ellsworth.


7-11. J.K. Brandon on platform (8X10 1/8 inches)

7-12. Group of Fifteen Year Award Recipients, 1946. (7 ½ X9 ½ inches)

First Row, Left to Right: Leonard Plude, Sr., Michael Zacchera, Ernest Hall, Sr., Lawrence C. Stanley, Joseph Hanley, Ernest Waters, Thomas Crowley, George Soule, George Kubic, James R.
Toomey, John E. Ellsworth, Louis Trocchi, Peter Semal, Robert Darling.

Second Row, Left to Right: Susan Barnett, Anna Holcombe, Katherine Curtiss (Gropppo), Alta C. Cifford, Leona R. Weir, Marjorie L. Shaw, Eva Patenaude, Annie Miller, Rose Zigas, Anna Smith (Boyarchuck), Mary Nazarsky, Margaret K. Novitsky, Jennie Trocchi, Pasqualina (Lena) Parenti.


BOX 214 PHOTOGRAPIC MATERIAL 8 PH8 8-1 - 8-18

Photographs of Employees, Management, Office, Factory

PH8 8-1. George J. Smith
8-2. Huntington Club
8-3. Simsbury Club Basketball Team 1911-12
8-4. Basketball N.D. S. Club 1911
8-5. Worker Guys. T. Quinn 1911
8-6. Charles Graven (Mrs. Max Zeidler's father), Charles Fletcher, Richard Curtiss, Leonard Miller, Edwin Jones, Edward Quinn ca. 1916
8-7. Charles Graves, Richard Curtiss, Edwin Jones, Edward Quinn, Charles Fletcher
8-8. See 8-6
8-10. Group photo
8-11. Supervisor's Group 1936
8-12. Office Group
8-13. AMA Clinic
8-14. Pablo Basalduá, Sales Manager, Altos
8-15. Altos Hornos de Vizcaya, J.E.E. Alberto bañez (Technical Director)
Union Quimica del Norte de España, SA, Gabriel Chávarri Director of Industries. Quimicasda, Luchana.

8-16. Views
8-17. Views
8-18. Awards Ceremony
   Raymer B. Cassady, Gary French, Martin Agronsky, John E. Ellsworth, Robert D. Kilpatrick, Charles Zimmerman, John C. Regan, John G. Martin

BOX 215 PHOTOGRAPHIC MATERIAL 9 PH9 9-1 - 9-29
   Photographs
   Manufacturing Plants
   Simsbury Fuse Factory
   RE: Atlanta Law Case 5112, 1956

BOX 216 PHOTOGRAPHIC MATERIAL 10
   Photographs
   Ceremonies, Long Service Awards 27th. Sept. 1961
   125th. Anniversary, 7 Oct. 1961

BOX 217 PHOTOGRAPHIC MATERIAL 11 PH11 11 -11-7
   Photographs
   Manufacturing Plants
   Simsbury Site
   Belden Distillery & its Destruction

   11-1. Old Belden Distillery
   11-2. Old Belden Distillery
   11-3. Old Belden Distillery
   11-4. Destruction of "Old Gin Mill" Belden Estate
   11-5. Destruction of "Old Gin Mill" Belden Estate
   11-6. Old Grist Mill Dam at Mill Road after 1955 Flood
   11-7. Destruction of "Old Gin Mill" Belden Estate

BOX 218 PHOTOGRAPHIC MATERIAL 12 PH12 12-1 -12-13
   Photographs
   Manufacturing Plants
   Avon

   12-1. Climax Fuse Co., Avon-View from upper end near Route 44
   12-3. Main Entrance, Climax Fuse Factory, Avon (1920?)
   12-4. Main Entrance, Climax Fuse Factory, Avon (1920?)
12-5. Railroad Track and Section House Ensign Bickford Co., Avon 
12-6. Dam and Pond, Ensign Bickford, Avon view includes Machine Shop 
Boiler room, Burning House, and Asphalt Platform (1920?) 
12-9. Dam and Pond, Boiler Room-chimney Recreation Room along 
Climax Heights Road (1920) 
12-10. Aerial View, Ensign Bickford, Avon (May 1931) 
12-11. Aerial View, Ensign Bickford, Avon (ca 1940) 
12-12. Aerial View, Ensign Bickford, Avon (ca 1940) 
12-13. Aerial View, Ensign Bickford, Avon Water Tower 

BOX 219  PHOTOGRAPHIC MATERIAL 13  PH13 13-1-13-48 
Photographs 
Manufacturing Plants 
Simsbury and Environs 
Photograph Album 

13-1. Jute Mill Area 
13-2. White Room 
13-3. Looking west from the Coiling shop 
13-4. Examining Room looking toward Coiling shop-Bob Brown leaning on the 
rail 
13-5. Upper Fuse Room 
13-6. Upper Fuse Room Area 
13-7. Countering and Finishing Room, Primacord, Simsbury Frank 
Calcagni 
13-8. Unloading fuse at White Room-Claude Rotondo 
13-9. Assembling pull wire lighters 
13-10. Jute card room-Florence Katzen, operator 
13-11. Lunch hour at Joseph Toy Building 
13-12. Lunch hour at Joseph Toy Building 
13-13. A social gathering on the lawn at Toy building 
13-14. Bus carrying defense workers 
13-15. Garland C. Martin, Manager of personnel 
13-16. Foremen 
13-17. Managers 
13-18. Some of the members of the "Over 40 Club" 
13-19. E.B. Hospital Leah Quinn, Anna Topa 
13-20. Borrowed 
13-22. E-B houses Hazelmeadow Place 
13-23. E-B houses Hazelmeadow Place 
13-24. Simsbury Bank & Trust building 
13-25. Hopmeadow St. looking north-Garland Martin walking south in front of 
Simsbury Bank & Trust.
13-26. First Church of Christ, Simsbury
13-27. Saint Mary's Church, Simsbury
13-28. The Burning House near main entrance, Avon Plant
13-29. The Avon office
13-30. Walk beside the Brook-Avon Factory Grounds
13-31. Main entrance Avon factory from Avon factory office
13-32. Technical development institute building
13-33. Bulletin Board-Main entrance Avon factory
13-46. Herbert McIntyre-Resident superintendent in his office, Avon Plant
13-47. Main St. Looking east, Avon, Ct.
13-48. Avon Congregational Church

BOX 220 PHOTOGRAPHIC MATERIAL 14 PH14 14-1 -14-9

Photographs
Manufacturing Plants
Simsbury & Environs

14-1. Simsbury House (1961)
14-2. Ensign-Bickford Employee Gardens, Simsbury
14-3. Fuse Room Setup Display, Simsbury
14-4. Frank Zablooki's House, Simsbury
14-5. Ensign-Bickford Houses, South Hopmeadow St. Simsbury
14-6. Hopmeadow St.
14-7. Old Danforth Office Building 1938 Hurricane, Simsbury
14-8. Purchasing Department Simsbury 1980
14-9. Ensign-Bickford Building, Simsbury Historical Society, Simsbury

BOX 221 PHOTOGRAPHIC MATERIAL 15 PH15 15-1 -15-23

Photographs (Employees in Frames)

1. Harry R. Ardill
2. Peter A. Babb
3. Major J.S. Bickford
5. J.C. Bickford-Smith
6. William Bickford Smith
7. W.N. Bickford-Smith
8. D.I.W. Braide
9. Ruben Castanon
10. J.B. Chalmers
11. Phillippe Davey
12. Robert Davey
13. Simon Davey
14. John S. Ellsworth
15. R.G. Erskine
16. James G. Finlayson
17. E.L. Hamilton
18. Etienne Harlé
19. Jean Harlé
20. Jean Harle
21. Arthur W. Hill
22. George Hugett
23. Robert J. Hyde

BOX 222  PHOTOGRAPHIC MATERIAL 16  PH16 16-1 -16-21

Photographs (Employees in Frames)

1. Robert F. Knott
2. Alan J. MacDonald
3. Alan S. MacKinnon
4. William MacMaster
5. Albert H. Merritt
6. James A. Merritt
7. J.B. Merritt
8. Ralph E. Merritt
9. W.J. Morris
10. Philip H. Monypenny
11. T.W. Norris
12. Lucien Ottendahl
13. A.B. Purvis (killed in summer 1941 in bomber)
14. John D. Rich
15. Thomas Ross
16. George Smith
17. Sir George Smith
18. Col. G.E.S. Smith
19. Greville Smith
20. Amy M. Terry (Plant Manager starting 9-15-47)

BOX 223  PHOTOGRAPHIC MATERIAL 17  PH17 17-1 -17-29

Photographs (Employees in Frames)

1. David J. Andrew
2. J. Kell Brandon
3. J.R. Ensign
4. Ralph H. Ensign
5. J. Frank Bryne
6. Herman J. Fonteyne
7. Jacques R. Chabrier
8. Samuel S. Fuller
9. Henry E. Chapman
10. Milton H. Glover
11. Charles E. Curtiss
12. W. Floyd Hamilton
13. Robert Darling
14. Nathaniel S. Howe
15. Robert E. Darling
16. Joseph E. Lovejoy
17. Robert E. Darling, Jr.
18. Frederick H. Lovejoy
19. C. Raymond Dodd
20. Barclay Robinson
21. Henry E. Ellsworth
22. Chester R. Seymour
23. John E. Ellsworth
24. George R. Stubblebine
25. Lemuel S. Ellsworth
26. Chester D. Thompson
27. Stoughton S. Ellsworth
28. William J. Sherman
29. Frank S. Wilson

**BOX 224 PHOTOGRAFFIC MATERIAL 18 PH18 18-1 -18-21**

Photographs
Manufacturing Plants

18-1. Coast Plant, ca 1915 Livermore, CA
18-3. Aerial shot
18-4. Covering letter, Canadain Safety Fuse, Quebec, 29Dec. 1924
18-5. Covering letter, DuPONT, Willmington, DC 9April 1927
18-6. Site referred to in 18-5.
18-7. Portland Point, New York Cement Mill 29 March 1930
18-8. Pennsylvania Dixie Cement, Richard City, TN 12Apr.1930
18-10. Thermax Corp. & N. West Magnesite Co. 25 Oct. 1930

Chowelah, WA
18-11. Cristobal Las Casas
18-12. Cristobal Las Casas 1932 flood
18-13. Ciudad Las Casas Natural entrance to the subterranean drain
18-14. Ciudad Las Casas-another entrance to main natural drain
18-15. On location
18-16. On location
18-17. E-B 27 December 1969
18-18. Canal at Garnboal (Gamboa) 12 Sept. 1913
18-19. Locks at Pedro Miguel emergency gate, 13 Sept. 1913
18-20. Locks at Pedro Miguel
18-21. Drilling hole without compressed air at Balboa excavation at dry dock

BOX 225  PHOTOGRAPHIC MATERIAL 19  PH19 19-1 -19-13

Photographs
Manufacturing Plants-All Aerial Shots
Dinamita, Durango, Mexico 1941-42
C.M.E.(Compania Mexicana de Explosivos)
&
M.P.M.(Compania Mexicana de Mecha Para M

19-1. C.M.E. Plant center long shot
19-2. C.M.E. Plant background & long shot
19-3. M.P.M. Plant in the foreground
C.M.E.'s Dynamite lines around the mountain to the left. Beyond
M.P.M.'s water tank shown on the hill. June 1941

19-4. C.M.E. Plant foreground M.P.M. Plant (background at right)
19-5. C.M.E. Plant (foreground) M.P.M. Plant (background, at right)
19-6. C.M.E. Plant (foreground) M.P.M. Plant (background)
19-7. C.M.E. Plant (foreground) M.P.M. Plant (far right, center)
Bachelors quarters 5. Staff houses -including M.P.M.'s-Staff Men. -
Laborers houses in addition to the new village shown in another picture.
1941

19-9. C.M.E. Plant
19-10. New Village built by C.M.E. Some 72 houses
shower-toilet-kitchen, etc.
2 kilometers below the Plant-served by tramway-Gasoline-motor
hauled. Larger building lower left is manual Training school; other school
left center. 1941

19-11. The edge of M.P.M.'s storehouse-shows in extreme lower cente
19-12. Beginning far right of picture area: M.P.M.'s Fuse Powder Magazine and
following on down is the Fuse Plant Proper.
Taking the water tank just above the buildings. The CO's boundary comes
down to the corner of the fence line in the foreground, opposite the main
buildings on the left.
A new fuse powder magazine has been completed (May 1942)
Directly opposite the magazine shown in the extreme left, and is separated
by the Rock Hill shown in the picture.
Magazine Area of C.M.E.
Broad Gauge Ky. In foreground serving Dinomita.
It is 10 kilometers from Mexico City to El Paso Texas.
Dinamita Elevation -3,700 ft.
500 miles south of El Paso, Tx.
700 miles north of Mexico City. 1941

BOX 226 PHOTOGRAPHIC MATERIAL 20

Slides-
Manufacturing
Activities (Golf)

I. Manufacturing
A. Buildings

IA-1 Original building before additions, 1860
IA-2. Original building before additions, 1860
IA-3. Back of boiler room
IA-4. TechCenter and Carpenter Shop 1956
IA-5. Ensign-Bickford Flood 1955
IA-6. Another view of E-B flood 1955
IA-7. E-B Simsbury snow scenes
IA-8. Cupola Building
IA-9. E-B Cupola building

B. Test Sites Louviers Colorado Detonating
IA-1. 2 men at site
IA-2. Site-long shot
IA-3. Site-medium long shot
IA-4. Site-medium long shot
IA-5. Construction
IA-6. Construction
IA-7. Construction
IA-8. Construction
IA-9. Interior finished
IA-10. Interior finished

C. Denver Scenes
IC-1. Skyline
IC-2. Capital
IC-3. Capital
IC-4. Towers
IC-5. Skyline and Towers
D. Canada Material

ID-1.  Jute unloading, Boston

E. Powder Magazine- Moving from Avon to Simsbury

IE-1.  Charles Moore-Director of Industrial Relations & Pat Lambert-President of Union
IE-2.  Fuse Powder Magazine-Simsbury to Avon
IE-3.  Moving Powder Magazine, Simsbury to Avon
IE-4.  Moving Powder Magazine, Simsbury to Avon
IE-5.  Moving Powder Magazine, Simsbury to Avon
IE-6.  Avon Powder Magazine brought into Simsbury Woods (got stuck)

F. Historic Arch

IF1-IG4.

G. Primacord Detonator Storage

IG1-IG3

H. Foundation for New Powder Magazine
J.  Avon Woods Uncle Tom's Cabin named for Tom Stenhouse
K.  Silo in site and moved from Avon- winter 1966

IK-1.  Engineer checking papers
IK-2.  Sites-medium long shot
IK-3.  Sites-long shot
IK-4.  Silo w/frame-long shot
IK-5.  Silo w/frame-long shot
IK-6.  New location, ½ built
IK-7.  New location, ½ built
IK-8.  New location, ½ built
IK-9.  Silo-new location w/onlookers-long shot
IK-10.  Silo-new location w/onlookers-long shot
IK-11.  Top only

L. Silo Move   Fall 1969   1-20

IL-1.  Silo on truck
IL-2.  Silo on truck
IL-3.  Silo at gate
IL-4.  Silo at gate
IL-5.  Truck with crane
IL-6.  Truck at gate
IL-7.  Truck at gate w/silo
IL-8.  Crane raised truck w/silo
IL-9.  Aerial shot-crane lifting support
IL-10.  Silo on truck
IL-11.  Silo lifted from truck
IL-12.  Silo lifted from truck
IL-13. Silo lifted from truck
IL-14. Silo in place-crane attached
IL-15. Silo in place-crane attached
IL-16. Silo in place-crane attached
IL-17. Silo lifted again
IL-18. Silo lifted again-repositioning
IL-19. Silo lifted again-crane attached
IL-20. Silo in place

M. Worker Houses & Ducks

IM-1. Water bank-long shot
IM-2. Water bank-long shot
IM-3. House in snow with ducks
IM-4. House in snow with ducks
IM-5. House in snow with ducks
IM-6. Ducks & pond
IM-7. Ducks on pond

II. Activities

Golf 1965-Slides 1-26
Tunxis 25 (lunch and Scotch Foursome)
Golf 1965-Slides 1-30
Golf 1966-Slides 1-8
Golf 1967-Slides 1-16
Golf 1972-Slides 1-19
Golf 1973
1. Arnold Palmer
2. Bob Hope
3. Spiro Agnew
Golf (no date)-slides 1-9
Scotch Foursome

BOX 234B  PHOTOGRAPHIC MATERIAL 21  PH21 21-1-21-3

Photographs, Framed
21-1. Avon Plant, 1927
21-2. Fuse Cord Spinning
21-3. Dinamita, Mexico Plant 1940's
## FLAT FILES

<table>
<thead>
<tr>
<th>FLAT FILE #1</th>
<th>Genealogical Tables</th>
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<tr>
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<td>Descendants of Joseph Toy  (3 copies)</td>
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<th>FLAT FILE #2</th>
<th>Certificates</th>
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<td></td>
<td>1. Presidents &quot;E&quot; Certificates for Experts, 1962</td>
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<tr>
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<td>2. The Clipper Club, PanAmerican 1969</td>
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<td>3. The Clipper Club Travel Routes</td>
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<th>Chart of Ensign-Bickford Stock</th>
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<td>Brands of Fuse  ca 1921</td>
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<tr>
<th>FLAT FILE #4</th>
<th>Floor Plan</th>
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<tr>
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<td>Historical Room, Avon 195  (Lower Taping Room)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>FLAT FILE #5</th>
<th>Maps</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1. Map 1-Avon 1862</td>
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<tr>
<td></td>
<td>2. Map 2-Simsbury 1869</td>
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<tr>
<td></td>
<td>3. Map 3-Simsbury (Upper) ca 1730</td>
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</tbody>
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<tr>
<th>FLAT FILE #6</th>
<th>Promotional Material</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>1. Advertisement</td>
</tr>
<tr>
<td></td>
<td>2. Banker's Protection Co.</td>
</tr>
<tr>
<td></td>
<td>3. Tracelarm Messenger Bag</td>
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<tr>
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<td>from Nation's Business Feb. 1937</td>
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</tbody>
</table>

| FLAT FILE #7  | Trojan Corporation  Spanish Fork, Utah ( Poster with Photos) |
PHOTOGRAPHS AND OTHER FRAMED ITEMS ON DISPLAY AND IN ARTRACK

1. Fr LI-1  David J. Andrew
2. Fr LI-2J  J. Kell Brandon
3. Fr LI-3  J Kell Brandon  1880-1967
4. Fr LI-4  Robert Darling
5. Fr LI-5  Robert Darling  1877-1957
7. Fr LI-7  Robert E. Darling Jr. (triple portrait)
8. Fr LI-8  Lemuel Stoughton Ellsworth  1840-1917
10. Fr LI-10  Henry E. Ellsworth
11. Fr LI-11  John E. Ellsworth
12. Fr LI-12  Joseph Ralph Ensign
13. Fr LI-13  Joseph Ralph Ensign  1868-1941
14. Fr LI-14  Ralph Hart Ensign  1834-1917
15. Fr LI-15  Walter J. Morris  Denver
16. Fr LI-16  Albert Humphrey Merritt  1870-1915
17. Fr L -17  Thomas W. Morris  Denver
18. Fr LI-18  George Smith
   L.L.D  England  1800-1868
19. Fr LI-19  Sir George J. Smith
20. Fr LI-20  G. Percy Bickford -Smith  June 25, 1897
21. Fr LI-21  William Bickford (Inventor of safety fuse)
   Ralph H. Ensign
   L.S. Ellsworth
Joseph R. Ensign

22. Fr LI-22 Joseph E. Lovejoy (Enlargement of Original)
23. Fr LI-23 Robert E. Darling Jr. (Enlargement of Original)
24. Fr LGT-1 Descendants of Joseph Toy (genealogical table)
25. Fr LNA-1 Melrose Plant, California
   Powder Magazine Explosion, July 1898 (newspaper article)
TUBES

TUBE # 1  Drawings #1  
War Department  
Quick Match (1 blueprint) 1917  
Fuse used in Rifle Grenade (1 blueprint, 1 note) 1917  
Igniter Head, assembly with fuse and detonator for combination rifle and hand grenade, experimental (1 blueprint) 1919

TUBE # 2  Drawings #2  
War Department  
Bouchon Assembly Mark II (1 blueprint)  
Bouchon Assembly (3 blueprints) 1917-1918

TUBE # 3  Drawings #3  
War Department  
Hand Grenade, Mark I (6 blueprints, 1 sketch)  
Incendiary Hand Grenade Mark I (1 blueprint)  
Offensive Hand Grenade, Mark III (1 blueprint, 1 letter) 1917-1918

TUBE # 4  Drawings #4  
War Department  
Six-Inch Newton-Stokes Trench Mortar, Mark I  
Emergency Igniter, 1918 (1 blueprint)  
Six Inch Trench Mortar, Shell, Mark I, Containers for misfire and propelling charges, 1918 (1 blueprint)  
Six Inch Trench Mortar, Mark I, Misfire charge (3 blueprints, 1 letter) 1918

TUBE # 5  Drawings #5  
Layout, Simsbury Plant, Feb. 1906

TUBE # 6  Flag #1  
Army/Navy “E” Award (no star) World War II

TUBE # 7  Flag #2  
Army/Navy “E” Award (1 star) World War II

TUBE # 8  Flag #3  
Army/Navy “E” Award (2 stars) World War II

TUBE # 9  Flag #4  
Army/Navy “E” Award (3 stars) World War II
TUBE # 10  Flag #5
Army/Navy “E” Award (2 stars) World War II