



11/1/11
Engineering
Dean's Office
Glass Slides, 1900-35

The materials listed in this document are available for research at the University of Illinois Archives. For more information, email illiarch@illinois.edu or search <http://www.library.illinois.edu/archives/archon> for the record series number.

Located in Drawer 2-16, 21-54 of Glass Slides Files, plus 15 boxes of glass negatives (2.5 cu.ft.). Two boxes (0.6 cu.ft.) of index sheets are listed between Drawers 11 & 12.

Drawer 2:

Index to Railway Engineering Slides

3x5 cards arranged alphabetically by subject showing library classification number, description, print of slide and slide number.

Subjects (Drawers 2-5)

Acceleration Curves
Air-Compressed
Blasting
Brakes-Electric Cars
 Operation
 Railways
Cars
 No. 609
 No. 17 old
 No. 17
China - Railways in
Colorado Passes
Curves - Carus, Wilson
 Mailloux
 Selection of Railway Motors
Coaling Stations
Electrical Locomotives
 Power Stations
 Railway Development
 Line
 Motors
 Tests
Rolling Stock
Test Car
Transformer
Electrolysis
Front End Tests
General Data
Interlocking
Locomotives, Historical

Arch
Details
Laboratory
Performance
Rails
Railways During War, 1917
Mileage, U.S.
Snow Plows
Steam Turbines
Superheaters
Swiss Federal Railways
Tonnage Rating
Terminals
Test Apparatus
Track
Tunnels
Tractive Force
Trains, High Speed
Resistance
Transportation Progress
Trucks
University Buildings
Waterways - St. Lawrence
Wood Preservation

See also 15 drawers of glass plate negatives (#1 - #1499) stored in 27-1 & 3
(2.45 cu.ft.).

Slides 1-236

Drawer 3:

Slides 237-431
432-636

Drawer 4:

Slides 637-844
845-1049

Drawer 5:

Slides 1050-1259
1260-1444, 1482-1484

Drawer 6:

Slides unnumbered, Mechanical Engineering

Slides of railroad locomotives, diagrams of engines and aircraft, coal mining operations including statistics on coal heating qualities, operations of steam and internal combustion engines, ocean liners and munitions factories.

Slides 1-139

140-214, 395-399, 410-549

Drawer 7:

Slides 550-739

740-812, 1000-1129

Drawer 8:

Slides 1131-1394

1403-1593

Drawer 9:

Slides 1600-1799

1800-1990

Drawer 10:

Slides 1991-2289

2291-2447

Drawer 11: (2nd cabinet)

Slides 2827-3060 (Tray E01)

3061-3241 (Tray E02)

Unnumbered

Glass negatives of the prints, maps and charts of dams, turbine engines and railroad yards, also slides of industrial machinery including steel ingot moulds, turbines, stokers, draft furnaces, locomotives and generators. Most of the negatives include slides of machinery for such heavy industries as steel, railroads and ship building. Also included are slides of railway and waterway transportation vehicles and scenes from military camps during World War I.

Box 1:

Index Sheets arranged by Library classification number, showing small blue

tint print of slide and slide number. Slides are located in Drawers 12 & 13.

- 312-(4) Population Charts
- 331.8-(1) Chart of employment in Illinois
- 338-(1) Capital investment in Illinois
- 389-(1) ?
- 530-(1) Liquid air plant - U. of Ill.
- 531.6-(5) Patent drawings of motors
- 533.612-(6) Dirigibles
- 533.621-(1) Cartoon, "In the Seventh Heaven"
- 533.622-(5) Biplanes
- 533.7-(3) Water-jacketed gas sampler
- 536-(5) 10,000's of BTU evolved per sq ft of grate surface -
charts

Box 1: (continued)

- 536.46-(19) charts for combustion
- 536.7-(1) Thermodynamics
- 553.2-(6) Coal Production in U.S. - Charts
- 553.25-(1) New York Market Coal Prices - 1907
- 620.12-(1) 600,00 lbs. Testing Machine
- 620.124.8-(40) Microscopy of Bearing Metals
- 620.128.5-(1) Collapsing Tubes
- 621.1-(15) Old Steam engines ca.1750
- 621.11-(7) Steam engines
- 621.12-(74) Steam ships
- 621.115-(2) Engine governors
- 621.116-(5) Valves and valve-gears
- 621.13(1) Locomotives - C & NW No.1026
- 621.131.3-(1) Locomotive tests
- 621.132-(50) Locomotives - 19th Century
- 621.133-(1) Longitudinal Section of Locomotive Boiler
- 621.1334-(1) Diagram of Motor?
- 621.134.3-(3) Locomotives - Special types of valves
- 621.135.2-(6) Locomotive counter balance
- 621.1353-(2) Brake system, locomotive
- 621.16-(10) Watts' Single-action engine, 1789
- 621.162-(3) Compound engines
- 621.163-(6) Expansion engines
- 621.165-(47) Drawings of elementary Parsons steam turbine
- 621.165.13-(1) LeRoy's Reaction Wheels
- 621.165.21-(16) Steam engines and turbines
- 621.165.22-(4) Turbines
- 621.165.3-(3) Steam turbines
- 621.167-(2) Rolling Mill Engine
- 621.170-(5) Boiler efficiency - charts

621.172-(6) Charts on engine performance
621.173-(1) Heat Losses in Power Plants
621.174-(1) B & W Boiler w/ Superheater
621.175-(6) Condensers
621.175.2-(5) Ejector condensers
621.177-(4) Steam Separators
621.178-(79) Damage from Boiler Explosions
621.18-(10) Kilns and furnaces
621.1811-(3) Marine High Pressure Boilers
621.1813-(1) Boiler
621.1814-(6) Charts of Boilers
621.1815-(7) Types of Water Tube Boilers
621.182-(21) Coal Production in U.S. - Charts
621.183-(1) Location of circulation indicator
621.184-(17) Furnaces, smokeless
621.1841-(54) Stokers
621.1844-(26) Boilers and dampers
621.1846-(1) Boiler House Equipment Showing Coal and Ash Conveyor
621.185-(3) Plans of furnaces
621.1854-(2) Sectional Elevation for Coal Burners
621.1862-(3) Steam transmission and distribution - Bundy Steam trap
621.187-(8) Charts of Water evaporation in steam engine
621.187.1-(4) Sections of Iced Water heaters
621.19-(2) Economizers
621.26-(1) Niles Hydraulic Wheel Press
621.33-(18) Trolleys and charts of U.S. Railway mileage
621.4-(41) gas furnaces
621.43-(2) gas engines
621.432-(17) gas engines
621.434-(3) Third form rational heat motor
621.435-(3) gas engines - Test of 5 HP Otto gasoline engine
621.436-(3) gas producers
621.5-(1) MacBeth compressor
621.54-(55) Metal Workmen
621.542-(8) Application of Compressed Air
621.544-(1) Application of Compressed Air in RR Service
621.549-(2) Air drill with grinding wheel
621.55-(1) Ice Machine, U. of Ill.
621.7-(1) Portion of Assembling Room for Light Machines
621.71-(1) Carbon per cent
621.711-(5) Machine Shop
621.7121-(8) Gear Box diagrams
621.721-(2) Foundry
621.722-(1) Foundry equipment
621.723-(10) Molding processes
621.724-(21) Molding machines

621.725-(9) Cupola furnaces
 621.731-(1) Forge room
 621.732-(1) Scarfing
 621.733-(18) Outlines of piston rods and tools
 621.751-(2) View of Brown & Sharpe Co.'s Drafting Room
 621.822-(7) Bearing metals
 621.823-(1) Lodge and Shipley Shafting
 621.825-(3) Friction clutches - brakes
 621.836-(5) Gears
 621.84-(1) Valve diagram
 621.86-(4) Industry at Conneaut, Ohio
 621.87-(132) Elevator equipment
 621.871-(1) Rotary jib cranes
 621.882-(1) Copper-antimony alloys
 621.91-(1) Early lathe tools
 621.911-(23) Machine tools
 621.922-(2) Pratt and Whitney machines
 621.931-(4) Cut-off saws
 621.932-(2) Fay & Egan machines
 621.941-(44) Gisholt lathes
 621.942-(1) Band Re-sawing machine
 621.943-(42) Early lathes

Box 1: (continued)

621.945-(13) Machine tools
 621.952-(3) Machine tools
 621.954-(4) Wood lagged reamer
 621.96-(2) Hydraulic punch
 621.97-(7) Steam hammers
 621.983-(4) Flanging presses
 622.33-(1) Chart - Annual Production of Coal
 628.11-(1) Univ. of Ill. Pumping Station
 656-(10) Charts and maps of Railroad mileage
 656.221.7-(3) Railroad car
 669-(3) Fusibility curves
 669.1-(100) Furnaces, Steel
 669.123-(1) Cooling curves of iron
 669.8-(18) Steel Industry, Pittsburgh, PA
 697.4-(1) Cottage Boiler for Steam
 727.3-(13) U. of Ill., buildings
 727.4-(10) U. of Ill., buildings
 727.5-(5) U. of Ill., laboratories
 729.4-(1) Mural Painting, U. of Ill.
 926-(12) Portraits of various scientists
 62(001)-(8) Engineering Statistics - chart
 62(002)-(1) Engineering costs - chart

62(07)-(3) Engineering education - charts

Index sheets cover these slide numbers:

1-334, 338, 342, 345, 349, 351-398, 400-414, 418, 420, 427-434, 437, 441, 443-445, 447, 449, 451, 454-459, 463, 465, 1000-1049, 1052-1099, 1101-1148, 1150-1198, 1200-1248, 1250-1298, 1300-1314, 1316-1348, 1350-1398, 1400-1448, 1450-1498, 1500-1548, 1550-1617, 1619-1703, 1705-1859, 1861-1868, 1870-2231, 2233-2314, 2322-2330, 2332-2399

Box 2:

About 1200 index sheets similar to sheets in Box 1, but without library subject classification numbers and partial file numbers not matched with negatives.

Drawer 12: (E02 & E04)

Tray E03: 1-200, 202-299

Tray E04: 300-369, 371-388, 390-466, 659, 662-672, 674, 720, 724-735, 738-739, 741, 744-45, 749, 1052-1069, 1071-1083, 1145, 1147-1156, 1158, 1227-1246, 1393-1394, 1428, 1452, 1552, 1595-1601, 1603-1616, 1624, 1630, 1671, 1678-1679, 1681, 1684, 1686-1688, 1697-1699

Drawer 13: (E05 & E06)

Tray E05: 1700-1718, 1768-1770, 1802-1813, 1815-1864, 1866-1893, 1895, 1948, 1972-2016, 2018-2031, 2033-2072

Tray E06: 2073, 2100-2133, 2135-2231, 2233-2269, 2281-2284, 2287-2303, 2305, 2307-2312, 2314, 2330, 2347-2380, 2387-2399

Drawer 14: (E07 & E08)

Tray E07: 2411-2446, 2832-2833, 2964-2981, 3039-3047, 3089-3091, 3126-3138, 3187

Unnumbered - 49

Railroad Transportation and Engines - 43

Waterways and Water Transportation - 42

Foreign Scenes - 18

Military Camps (World War I) - 11

Vehicles and Transportation - 2

Tray E08:

Glass slides, 1906-1912, of Foreign and American bridges, rivers canals, buildings, people and scenes in Belgium, Denmark, France, Germany, Great Britain, Italy, Japan, Netherlands and Sweden and railroads, bridges, rivers, steamboats, people and scenes in California, Colorado, Louisiana, Utah and Washington. Most American slides relate to railroads, navigation on the Mississippi River and the San Francisco earthquake (1906). The

series includes slides of engines, dredges, waterwheels, milling machines and alloys.

Northern Europe - Netherlands, Belgium - 33

Northern Europe

- 1&2 old lady
- 3 three dogs pulling wagon
- 4 group of women and children
- 5 street view of huge building
- 6 front view of cathedral
- 7 river and city street
- 8 barn
- 9 men tying twigs (rope?)
- 10 levee
- 11 a princess or queen
- 12 small town river bank
- 13 man pulling cart on city street
- 14 five squatting Dutchmen
- 15 Dutch city plaza with barrels and boy
- 16 boys digging at river bank
- 17 small town river street
- 18 big city river with sailboats
- 19 very fancy building
- 20 Dutch children (3)
- 21 event in big city
- 22 river bank and building
- 23 Leaving the farm
- 24 two girls
- 25 water tower
- 26 city river scene
- 27 stone paved river bank
- 28 vines on country house
- 29 bundles of twigs layed out
- 30 at waters edge
- 31 a pier with people
- 32 three Belgian dogs - see #3
- 33 very large buildings

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Drawer 21:

Italy

- 1 Colosseum, Rome, Italy
- 2 Colosseum, Rome, Italy
- 3 Appian Way (cracked)

- 4 Arch of Titus, Rome
- 5 Vittorio Emmanuel Plaza, Rome
- 6 Street scene, Rome
- 7 Road construction, Italy
- 8 Road construction, Italy
- 9 Road in hills near Bologna, Italy
- 10 Road in hills
- 11 Bridge in hills
- 12 Bridge in hills
- 13 Street and gutter
- 14 Bridge, Trieste
- 15 Road
- 16 Village and dam
- 17 Road near Venice
- 18 Street in Venice
- 19 Radicalani, ca. 1935
- 20 Street scene, Florence
- 21 Ponte Vecchio, Florence
- 22 Ponte Vecchio-entrance, Florence
- 23 Ponte Vecchio-entrance, Florence
- 24 Making Rock Asphalt sidewalk, Rome, 1935
- 25 Cemetary, Naples

Japan

- 26 Skiing Slope, Akakurs
- 27 Heaven Bridge, Amanohashidate
- 28 Car ferry to Hokkaido, Aomori Station
- 29 Namikosan Monument, Atami
- 30 Beppu Hot Spring
- 31 Telling of Ancient Ridge, Dankurei Island
- 32 Fujiyama
- 33 Daibutsu Buddha, Kamakura
- 34 Timber Archbridge, Kintai
- 35 Timber Archbridge, Kintai
- 36 Kasuga Shrine, Nara
- 37 Hotel, Nara
- 38 Monkeys on Temple, Mikko
- 39 Sweet Flag Garden, Tokyo
- 40 Mitsui Bank, Tokyo
- 41 Ticket Office, station, Tokyo
- 42 Ten Ryn Canyon and River
- 43 Tomonouva
- 44 Azaleas Mount Unzen
- 45 Golf course, Mount Unzen
- 46 Ship railway to Lake Biwa, Kyoto
- 47 Geisha Dance, Kyoto
- 48 Kobuntei of Mito Retreat

- 49 2nd class sleeping car
- Japan (cont.)
 - 50 Wood shoes for snow
 - 51 Transportation in snow
 - 52 Fencing practice "Gekken"
 - 53 Flower arrangement
- China
 - 54 Great Wall
 - 55 Chinese well
 - 56 Water works dam, Darien
 - 57 Engineer sign, Mukden
 - 58 Tidal Bore, Hangchow
 - 59 Bridge, Summer Palace, Pekin
 - 60 Marble Boat, Summer Palace, Pekin
 - 61 Bronze Lion, Forbidden City, Pekin
 - 62 Drainage, Tientsin
- India
 - 63 Taj Mahal, Agra
 - 64 Gate of Victory, Fatepur Sikri, near Agra
 - 65 Golden Temple, Amritsar
 - 66 Wrought Iron Pillar, Delhi
 - 67 Kubi Minar Column, Delhi
 - 68 Observatory, Jaipur
 - 69 Great Imambara Temple of Light, Lucknow
- Indonesia
 - 70 Great Banyan Tree, Bali
 - 71 Balinese Temple
 - 72 Rice Terraces, Bali
 - 73 Steam Tram, Batavia
 - 74 Bamboo Arch Bridge, Java
 - 75 Borobodoer Hindu Temple, Solo, Java
 - 76 River Control Construction, Soevabaja, Java
 - 77 Rock Fill Dam, Semarang, Java
- Burma
 - 78 Queens Golden Palace, Mandalay
 - 79 Great Pagoda, Rangoon
 - 80 Great Pagoda Dome, Rangoon
- Cambodia
 - 81 Angkor the Magnificent
 - 82 Angkor the Magnificent
 - 83 Angkor Reconstruction
 - 84 Angkor Carving Details
 - 85 Highway Bridge, Phnom Penh
- Korea
 - 86 Capital, Seoul
 - 87 Street scene, Seoul

Philippines

88 Zig Zag to Bagvio

Thailand

89 Golden Mount, Bangkok

90 Rama IV Bridge, Bangkok

91 Train to Penang, Bangkok

92 Temple Guard Statues

Vietnam

93 Market buildings, Cochin China

94 Quai construction, Saigon

India

95 Darjeeling & Kitchenjunga

Australia

96 Jungle bush

97 City Hall, Brisbane

98 Museum, Canberra

99 Napier Dam, Sydney

100 Subway construction, Sydney

New Zealand

101 Railroad construction

102 Railroad bridge construction

103 Milford Sound

Hawaii

104 Highway Bridge

105 Mormon Temple

106 Haleakalav Crater

107 Hilo Railroad Bridge

108 Aloha Tower, Honolulu

109 Waikiki Beach & Diamond Head

110 Sporting Horn, Kauai

111 Waterfront, Kona

112 Earthquake, Koha

Egypt

113 Top of Dam, Aswan

114 Great Dam, Aswan

115 Roofs, Cairo

116 Delta Barrage

117 Step Pyramid

118 Port Said

Near East

119 Pool of Siloam

120 Reservoir, Tyre, Syria

121 Salt River Project

Manchuria

122 Gate, Lioyang

Algeria

- 123 Algiers
- 124 Algiers
- 125 Botanical Gardens, Algiers, 1935
- 126 Harbor, Algiers, 1935

Austria

- 127 Traunkirchen

Brazil

- 128 (452-11196) Rio de Janeiro

England

- 129 Roman, lead pipe, Bath
- 130 (500-113) Cheapside, London

Drawer 22:

England (cont.)

- 131 London
- 132 London

Finland

- 133 Le Poldu

France

- 134 Arcades, Annecys
- 135 Fountain, Bordeaux
- 136 Arch, Bordeaux
- 137 Port, Bordeaux
- 138 L'Esplanade des Quiconces, Bordeaux
- 139 Bourse, Bordeaux
- 140 Gironde River, Bordeaux
- 141 General view, Marseilles
- 142 Palais Longchams, Marseilles
- 143 Arc de Triomphe, Marseilles
- 144 Gare St. Charles, Marseilles
- 145 Streets of Old Harbor, Marseilles
- 146 Bassin de la Soliette, Marseilles
- 147 Pont Transbordeux, Marseilles
- 148 Pont Transbordeux, Marseilles
- 149 Palais de la Jetee, Nice
- 150 Aerial view, Paris
- 151 Aerial view, Paris
- 152 Arc de Triomphe, Paris
- 153 Arc de Troimphe
- 154 (655-1535) Champs Elysees, Paris
- 155 Champs Elysees, Paris
- 156 Place de la Concorde, Paris
- 157 L'Avenue de la Grande Armee, Paris
- 158 Eiffel Tower, Paris
- 159 (654-1562) Eiffel Tower, Paris

- 160 Place de la Republique, Paris
- 161 Pont Alex. III, Paris, 1900
- 162 Pont Alex. III, Paris, 1900
- 163 Ile da la Cite, Paris
- 164 (656-9572) Ile de la Cite and Seine, Paris
- 165 La Conciergerie, Paris
- 166 Seine, Paris
- 167 La Madeleine, Paris
- 168 Rue de l'Opera, Paris
- 169 Paris
- 170 La Grande Rue, Quimperle
- 171 Rue des Chambiers, Quimperle

Germany

- 172 Street scene
- 173 (621-1330) Palace, Berlin
- 174 Castle Canal, Berlin
- 175 Reichstag building, Berlin
- 176 Reichstag building, Berlin
- 177 President's Palace, Berlin
- 178 Building, Berlin
- 179 Building, Berlin
- 180 Brandenburg Gate, Berlin, 1928
- 181 (623-1310) Elevated R.R., Berlin
- 182 Potsdamer Platz, Berlin, 1929
- 183 Platz der Republik, Berlin
- 184 Opera House, Berlin
- 185 National denkmal Kaiser Wilhelm I, Berlin
- 186 Dom Museum, Berlin
- 187 Canal Museum, Berlin
- 188 (622-1300) Street scene, Berlin
- 189 Street scene, Berlin
- 190 Street scene, Berlin
- 191 (638-10463) Cathedral and Town Hall, Cologne
- 192 New Flats, Freiburg, 1935
- 193 Buildings, Freiburg
- 194 Street scene, Freiburg
- 195 Street, Hamburg
- 196 Harbor plans, Hamburg
- 197 Harbor plans, Hamburg
- 198 Marienplatz, Munich
- 199 New Municipal Housing, Munich, 1935
- 200 May Pole, Munich, 1935
- 201 Iser River, Munich
- 202 Brandenburg Gate, Potsdam

Gibraltar

- 203 Rock

Holland

204 (639-1502) Amsterdam

Ireland

205 Patrick's Bridge, Cork

Portugal

206 Harbor, Lisbon

Scotland

207 (538-7466) Princes Street, Edinburgh

Spain

208 Aerial view, Barcelona

209 Aerial view, Barcelona

210 Plaza Palacio y Alrededores, Barcelona

211 Plaza de Cataluna, Barcelona

212 Harbor, Barcelona

213 Harbor at night, Barcelona

214 Arch, Barcelona

Switzerland

215 St. Gothard's Pass

United States

216 Harbor, Boston, 1926

217 Population Density Map, New York

218 (39-5308) Street scene, Broad Street, New York

219 (32-5289a) Brooklyn Bridge, New York

220 (31-5291) View from Brooklyn Bridge, New York

221 (33-5277) Hudson River Docks, New York

222 Hudson River, New York

223 Hudson River, New York

224 (256-7653) Downtown, Salt Lake City

225 (129-5581) White House, Washington, D.C.

226 (130-5584) Capitol, Washington, D.C.

227 Aerial view, Washington, D.C.

228-239 Views of ports

241-250 Unidentified (249-250=10, 13, 15)

(incl. 248a)

Drawer 23:

251-253 Unidentified (251=10, 13, 15)

Panama Canal, 1912

#	Old#	
254-55	1501-02	Maps
256	1503	Profile
257-58	1504-05	Cross Sections
259-61	1506-09	Cranes and Locks
262-67	1510-15	Concrete Equipment
268	1516	Drills at Bas Obispo

- 269 1516A Cut at Bas Obispo
 270-348 1511-1614 Buildings, cuts, dams, gates, locks, laborers, rock
 spoil, French equipment, Mird Flores, Pedra Miguel,
 Culebra, Gatun
 Carrying the Home to the Camp, 1917-18
 349-65 2-3, 5-20 YMCA, singing, canteens, athletics, trenches, French
 soldiers, YMCA huts
 366-73 21-28 Religious services, Knights of Columbus, Jewish
 Welfare Board, women

Drawer 24:

- Carrying the Home to the Camp, 1917-18 (cont.)
 374-85 29-40 Religious services, Knights of Columbus, Jewish
 Welfare Board, women
 386-405 41-60 Salvation Army, mess, mail, Navy, entertainment,
 53-60 ALA War Service and Camp Libraries
 See Also 996-998
 Camp Meade, Maryland, July 11-Aug. 22, 1917
 406-17 1-7, 11-15 Clearing ground, building construction, plantation,
 plans
 418-35 16-33 Artillery regiment, barracks, maps, contractors
 organization charts, water cart
 See also 673-675
 Transporting the Army to France
 436-52 1-4, 6, 8-19 Trains, docks, embarkation, Statue of Liberty,
 ships, France
 453-72 20-39 Debarkation, French officers, cranes, supplies
 473-95 40-56, 58-63 RR engine & cars, tracks, villages, washing, logging

Drawer 25:

- The American Navy
 496-517 1-16, 19, 21-25 J.P. Jones, cruiser, sailors, Pennsylvania,
 Brooklyn, battleships, submarines, torpedoes
 518-43 26, 28-51 Destroyers, subchasers, launchings, swabbing,
 shells, pets
 Navy at Work
 544-62 1-19 Mine laying, steaming, on leave, George I,
 destroyers, smoke screens
 563-79 20-36 Loading guns, submarines, marines, Egypt, America,
 580 Building a bridge of ships
 Aeronautics
 581-84 Sopwith and Dellariland sketches

585-87 Flight diagrams, School of Military Aeronautics
 588 Curlis construction
 589 German biplanes
 590 Sopwith biplanes
 591-92 Plane and cameras
 593-601 Aerial views of fortifications, ground conditions,
 camouflage
 602 Aerial views of fortifications, ground conditions,
 camouflage
 603-04 German dirigibles
 605-06 "Akron", 1931
 607 Transporting airplane by truck at U of I

See also 676-778 and 839-938

Flying for America

608-19 1-25 Physical tests, engine school, navigation, aircraft

Drawer 26:

Flying for America (cont.)

620-32 1-25 Physical tests, engine school, navigation, aircraft
 633-60 26-48, 50-4 Aircraft, aviators, wrecks, balloons, dirigible
 wreck, seaplanes

Airports

661 Le Bourget, Paris, France
 662 Orly, Paris, France
 663 Tempelhof, Berlin, Germany
 664 Croydon, London, England
 665-66 Glendale, California
 667 Riverside
 668 San Francisco
 669-70 Dearborn, Michigan
 671 Buffalo, New York
 672 Dayton, Ohio
 673-75 Camp Meade, Maryland construction

Aeronautics

676-700 1-25 Aerial photographs, cities, battlefield, bomb damage
 694-95, 706 San Antonio
 701-21 26-32, 39, Aerials of battlefields, Amiens, trenches
 41-53
 722-40 55-57, 59, Aerials of battlefields, Ginchy, Sopwith & British
 61-81, 90 planes (723-26, 746) Curtiss biplane (745)

Drawer 27:

Aeronautics (cont.)

- 741-46 55-57, 59, Aerials of battlefields, Ginchy, Sopwith & British
61-81, 90 planes (723-26, 746) Curtiss biplane (745)
- 747-59 100-04, 106, Dirigible, aerial views, Nieuport, Bristol, Vickers,
108-10,112-15 plane on farm
- 760-78 117-18,123-24, Speed, wind machine, diagrams, airplanes, formation
126-29,131-33,135,
137,139-41,144-45

See also 839-938

How to Make an Airplane

- 779-807 1-29 Aerial views, early airplanes, 2 & 3 wing, military
aircraft
- 808-38 30-60 Lumber, farming, assembly, fuselage, wings,
covering, engine installation, controls, wheels,
crating, shipping

Aeronautics

- 839-60 146-50,153-54, Emblems, military aircrafts, maneuvers, aerial views
156-57,159, of trenches (850-60)
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Drawer 28:

Aeronautics (cont.)

- 861-66 146-50,153-54, Emblems, military aircrafts, maneuvers, aerial views
156-57,159, of trenches (861-66)
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- 867-903 184-89,192-203 Flight diagrams (867-85), aerial views of front
209-27
- 904-38 229-30,232-34, Aerial views of front, German planes, diagrams,
236-38,240, shipping planes
247-48,250,252-63,
265-66,271-74,
276-80

Army Photos--"The Call to Arms"

- 939-66 1-18, 20-29 Washington, Lusitania, Wilson, Congress, Pershing,
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- 967-80 30-43 Testing, exams, training, marching, reviews

Drawer 29:

Army Photos (cont.)

- 981-95 44-58 Testing, exams, training, marching, reviews

Carrying the Home to the Camp

- 996-98 1, 4, 61 Pershing, shop, mail

Building a Bridge of Ships

- 999-1027 1-29 Lumbering, hulls, materials, ways, shipyards, forms
- 1028-58 30-60 Steel plates, rivets, workers, launching, turbines,

1231		Bridge under construction
1232		Bridge under construction
1233	2.8	Swing bridge, Tarante, Italy
1234	2.8	Swing bridge, Williamson-Franklin Co. line
1235	2.8	Movable bridge
1236	2.8	Drawbridge, Miami & Erie Canal, plan & elevation
Bridges - Structural Steel (cont.)		
1237	2.8	Movable Bridge, plan
1238	2.8	Folding bridge, Chicago R., Weed St. drawing
1239	2.8	Swing bridge, drawing
1240	2.8	Old roller nest under steel bridge
1241	2.8	Ogden Canal swing bridge, drawing
1242	2.8	Floating draw span, Mississippi R., Prairie du Chien, WI
1243	2.6	Replacing trestle - Cedar R., Iowa
1244	2.6	Replacing trestle - Cedar R., Iowa

Drawer 31:

Bridges - Structural Steel (cont.)

1245	2.6	Erecting span over Green R., Henry Co., IL
1246	2.8	Hydraulic swing bridge, North Sea Channel
1247		Box culvert & bridge (slide cracked)
1248	7-2	Bridge over river gorge
1249		Bridge over river gorge
1250		Bridge over river gorge (?)
1251		Bridge over river gorge (?)

Historic Bridges

1252	19	Queen of Bridges, Little Rock, Ark.
1253		Two bridges
1254	12	Municipal & Eads - St. Louis
1255	11	Eads Bridge (erection) St. Louis
1256	2.1-47	Roman Aquaduct drawing
1257	-34	London Bridge
1258	4	Clinton, IA
1259	41	Nizhni Novgorod Floating Bridge, Rover Oka, Russia
1260	7	Covered Bridge - drawing
1261	2.1-14	Niagra Falls & the Great Steel Arch Bridge
1262	-23	Big Muddy River Bridge
1263	-25	Tower Bridge, London, England, half elevation
1264		"Permanent Bridge", Colossus Bridge, Philadelphia
1265	-20	Remains of Broad River Bridge, Asheville, NC, 1916 flood
1266	-28	Tower Trunnion Bascule Bridge, London, England

Structural Analysis

1267-91	4.2, 1-15	Graphs, drawing, tables, including slope deflection
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Structural Steel Bridges

1292	2.6-23	Copper River, Alaska
1293		Detroit - Windsor
1294	-19	Copper River, Alaska
1295	252	Metropolis Bridge - Ohio R. 1916
1296	16-112	Cedar River, Iowa 1913
1297	10	McKinley Bridge, St. Louis
1298	8	Kentucky R. Bridge, Cincinnati Southern RR
1299		Bridge
1300	2.6	Construction - riveting - Cedar River, Iowa 1913
1301	14	Emergency Lift Bridge - Harlem River, NY - plan
1302		Map - San Francisco Bay, 1932
1303	1-415	East River, NY - under construction
1304		San Francisco - Oakland - Tower, 1932
1305		Mt. Hope Bridge, Providence, RI
1306		Three drawings - bridges
1307		Minnesota River, Chaska, MN
1308	2.7-11	Diagram suspension bridge
1309	-8	Cincinnati, OH, suspension bridge
1310	2.8-13	Underside bridge 1910
1311	-14	Swing bridge open
1312	1.20-50-124	Dumbarton Bridge 1910
1313		Aerial view - NY ?
1314		North R. Bridge, NY
1315	2.7-5	Menai Bridge, Bangor, Wales
1316	2.9-10	Diagram, vertical lift bridge, Erie Canal, Utica, NY
1317	2.6-4	Erecting bridge over Green R., Henry Co., IL
1318	2.9-6	Diagram - lift bridge, Louisville & Portland Canal, OR
1319	4.3-44	Steel building - Columbus Savings Bank, OH 1905
1320	2	Willameth R. Bridge, Portland, OR
Steel Bridges - Concrete Bridges - Buildings		
1321-24	1-4	Diagram - Hudson R. Bridge, NY
1325	65-605	Concrete Bridge - Grand Ave., Milwaukee, WI 1911
1326	2.7-2	Brooklyn Bridge
1327		Concrete bridge
1328		Concrete bridge
1329		Interior of building
1330		View from a height
1331		View of street
1332		Machine a damer
1333	42-5313	Elizabeth St., NY
1334	36-10168	Singer bldg. & City Investment bldg., NY
1335		View of street
1336		View of city street
1337		Delaware R. Bridge

Steel Bridges

1338	7	Santa Fe Bridge, Ft. Madison, IA
1339	6	McArthur Bridge, Burlington, IA
1340	2.5-6	Schuylkill R. Bridge, Philadelphia, PA 1897
1341	12-4-114	Construction - Cedar River, IA 1913
1342	17-1-111	Construction - Cedar River, IA 1913
1343		Sydney Harbor Bridge, Australia 1930
1344	2.1-50	Saltash Viaduct
1345		Construction - Burt Pool Mine, Hibbing, NY
1346	2.2-13	Construction - C & NW Ry., Jefferson Team Yard
1347	3	Drawing - RR & Highway Bridge, Dubuque, IA
1348		Drawing - Mississippi R. bridges in IL
1349	2.3-4	Arkansas R. Bridge, Redland, OK
1350	-2	Truss Bridge - Alaskan Ry.
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Drawer 31 (cont.):

Steel Bridges (cont.)

1351		Sulphate storage room, Pueblo, CO 1919
1352	8	Champ Clark Memorial Bridge, Louisiana, MO
1353	2.3-3	Copper R., Kuskulana Bridge, Alaska
1354	-1	Copper R., Miles Glacier Bridge
1355	-4	Lehigh & Lake Erie RR, Buffalo Cr.
1356	-13	Lehigh & Lake Erie RR, Lake Shore Ry.
1357	5	Muscatine, IA
1358	2.2-24	Construction - Bovey, MN
1359	-17	Construction - C & NW Ry., Kinzie & Clinton Sts.

Steel Bridges

1360-69	2.5, 1-11	Schuylkill R., Philadelphia, PA 1897
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Drawer 32:

Steel Bridges (cont.)

1370	27	Bridge, deck and upper structure
1371	28	Bridge, deck and upper structure
1372	26	Bridge, deck and upper structure
1373		Derrick erection ?
1374		Pier 3 - shoe
1374		Diagram - Arch Shoe
1375	4	Bridge - construction
1376		Diagram - bridge
1377		Piers - shoe
1378	20	NYC RR, NYC
1379		Guy Derrick Erection

1380		Bridge - construction
1381		Collapsed bridge
1382		Collapsed bridge
1383		Fixed shoe (cracked)
1384	14	Diagram
1385	17	Span - Philadelphia
1386	8	Bridge diagram
1387		Bridge diagram
1388	14	Forest Hills, Boston, MA
1389		Men on bridge const. ?
1390		Steel bridge
1391		Steel bridge
1392		Diagram
1393	6	Metropolis Illinois bridge shoe
1394		Diagram
1395		Diagram
1396	2.6-34	Steel girder bridge
1397		Steel bridge
1398	2.12-3	Concrete mixer
1399		Steel bridge - const.
1400	1.20-46-49-172	Dumbarton Bridge 1910
1401	6	Cairo Bridge
1402	7-3-153	Kinzua Viaduct
1403	1.19-23	Steel pony truss - Iowa 1915
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Drawer 32 (cont.):

Steel Bridges (cont.)

1404	1.16-62	Steel bridge, Iowa 1914
1405	1.19-24	Steel pony truss - Iowa
1406	-26	Steel pony truss - Iowa 1914
1407	-25	Steel pony truss - Iowa 1914
1408		Lyons Fulton Bridge, Clinton, IA

Swiss (?) Bridges

1409	152 (1-88)	Limmatbruke unterhalb Wettingen
1410	154 (4-7)	Ansicht der Brucke flussaufwärts
1411	155 (4-8)	Ansicht der zwei Brucken
1412	156 (4-13)	Ansicht der Brucke
1413	157 (4-14)	Pont de Zahringen, Seine, Freiburg
1414	158 (6-5)	Failure of lattice truss
1415	159 (7-2)	Sitter viaduct erection
1416	160 (8-2)	Rhone at Chippis
1417	161 (8-13)	Rhone at Chippis, diagram
1418	162 (8-16)	Rhone at Chippis, diagram

1419	163 (9-7)	Hundwilertobel brucke
1420	164 (9-8)	Hundwilertobel brucke
1421	165 (9-12)	Huchbrucke Baden-Wettingen
1422	166 (9-13)	Huchbrucke Baden-Wettingen
1423	167 (10-15)	Langwieserviadukt der Chur-Arosabahn
1424	168 (11-9)	Isornobrucke bei Intragna
1425	169 (11-10)	Isornobrucke bei Intragna
1426	153 (1-93)	Viadue de Grand fey pres Fribourg
1427	174 (12-34)	Rhein at Thusis
1428	173 (12-31)	Aare at Interlaken
1429	172 (12-29)	Vanex-Schluct
1430	171 (12-17)	Rhone at Brig
1431	170 (12-14)	Aare at Aarao
1432	181 (13-23)	Viadue du Day
1433	179 (13-18)	Viadue du Day
1434	178 (13-17)	Viadue du Day, old bridge
1435	177 (13-2)	Viadue du Day
1436	176 (12-44)	Truss br. near Luzerne
1437	175 (12-36)	Rhone at Sitten
1438	182 (13-19)	Viadue du Day - diagram
1439	183 (13-19)	Viadue du Day - diagram
1440	180 (13-20)	Viadue du Day
1441	151 (1-66)	Rheinbrucke bei Eglisau - diagram
1442	150 (1-51)	Aarebrucke bei Brugg
1443	184 (1-24)	Lattice truss br.
1444		Interior of arch
1445		Grandfex
1446	a-5	Steel bridge
1447		View of RR bridge & countryside
1448	a-4	Bridge over turbulent river

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Drawer 32 (cont.):

Construction of Delaware River Bridge

1449-75	52-78	Bridge construction - clamps, cables, bands, saddles, ropes, steelwork & trusses, 1924-25
1476	B	Map - Delaware River Bridge
1477	A	Map
1478-94	1-50	Delaware River Bridge - drawings, cross-sections, construction, cables, concrete, rocks, piers, towers, 1922-24

Drawer 33:

Construction of Delaware River Bridge (cont.)

1495-1526 1-50 Delaware River Bridge - drawings, cross-sections,
construction, cables, concrete, rocks, piers,
towers, 1922-24

Bridges - Concrete & Stone Arch - Illinois in part

1527-31 1.10, 2-8 Bridge St., Danville - 1917, 1915
1532 1 Remains of stone bridge ?
1533 1.10-9 Bridge St., Danville
1534 1.8-10 Niagara Falls
1535 1.10-10 Bridge St., Danville
1536 -11 Bridge St., Danville, 1915
1537 -12 Bridge St., Danville, 1915
1538 1.12-43 Green River, Colona 1917
1539 1.10-42 Equations - theory of arches
1540 1.12-40 Green R., Colona 1917
1541 1.10-40 Concrete bridge
1542 -39 Risorgimento Bridge, Tiber R., Italy - drawing
1543 1.12-38 Green R., Colona 1917
1544-47 1.10, 35-38 Rainbow Arch, Carmi 1916
1548 1.10-34 Concrete arch bridge, Iowa 1915
1549 -33 Concrete arch bridge, Mason City, IA 1914
1550 1.12-32 Aquaduct, River Barwon, Australia
1551 -31 Albion, MI
1552 -30 Golden Gate Park, San Francisco, CA
1553 -29 Fairmount Park, Philadelphia
1554 -28 Risorgimento Bridge, Tiber River, Italy
1555 -27 Glasgow, Scotland
1556 -26 Vesibie Arch
1557 -25-109 Tecumseh, MI
1558 -24 Louisville, KY
1559 1.10-23-1722 Cleveland, OH
1560 -22 Big 4, W. of Danville, IL
1561 -20 Rocky River, Cleveland
1562 -19 Shell Rock, IA
1563 -18 Sidney Bridge over Salt Fork - old br.
1564-66 1.10, 15-17 Bridge St. Bridge, Danville 1915
1567 1.18-13 Forth Bridge, Quebec - drawing
1568 Brest, France
1569 Luxembourg Arch bridge

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Drawer 33 (cont.):

Bridges - Concrete & Stone Arch - Illinois in part (cont.)

1570 Wheeling, W. VA
1571-77 Bridge drawings, elevation & section
1578 1.13-70-12 Rock River Bridge, Cleveland
1579 1.12-57 Hew Slab Bridge, IA 1915
1580 1.10-48 Mizen Head, Ireland
1581 -47 Mizen Head, Ireland
1582 -45 Minnesota River, Mendota, MN
1583-85 1.12, 4-6 Sidney, IL, Salt Fork Creek 1914, drawing

Drawer 34:

Bridges - Concrete & Stone Arch - Illinois in part (cont.)

1586 Bridge over river in city
1587-80 1.12, 1-3 Sidney, IL, Salt Fork 1914
1560 Bridge diagram
1561 Westinghouse Bridge
1562 Bridge diagram
1563 Brest, France 1930
1564-69 1.12, 7-12 Fisher, IL, Sangamon River 1913
1570 -22-59 French - Broad River, Asheville, NC, flood 1916
1571 -21 Ryan Bridge, Cumberland Co., IL
1572 -20 Bridge construction
1573 -19 Bridge construction
1574-78 ,13-17 Fisher, IL, Sangamon River
1579 -30 French Broad River
1580 -29 Track elev. br., Chicago
1581 -28 Rock Island Ry.
1582 -27 Cracked wall, Niles, IL
1583 -26 Cracked wall, Niles, IL
1584 -24 Dixie Hwy., Vermilion Co., IL 1916
1585 -23 French Broad River., Asheville, NC, flood 1916

Bridges, Concrete & Steel

1586 1.12-58 Concrete - Cedar Co., Iowa 1915
1587-90 -53-56 Concrete - Green River, Colona, IL 1917
1591 1.13-71 Concrete - Skurusund, Sweden
1592-95 1.12, 48-51 Concrete - Green River, Colona, IL 1917
1596 1.13-75 Concrete - Lawrence, KS
1597 -76 Concrete - Rainbow Arch, Carmi 1916
1598 -74 Concrete - Kansas River, Lawrence, KS
1599 -73 Concrete - Rainbow Arch, Carmi 1916
1600 -72 Concrete - Skurusund, Sweden
1601 -68 Concrete deck 1914
1602-06 -63-67 Concrete - Mason City, IA 1914-15
1607 -62 Concrete, Bridge Streetbridge, Danville, IL 1915
1608 -61 Concrete, Bridge Streetbridge, Danville, IL 1915
1609 -60 Concrete, Bridge Streetbridge, Danville, IL 1915

1610 -59 Concrete, Cedar Co., Iowa 1916
 1611 1.14-36 Steel, Kernauss, Berne
 1612 Hellgate Arch
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Drawer 34 (cont.):

Bridges, Concrete & Steel (cont.)

1613 Kill/van/Kull Arch, 1930
 1614-19 1.12,42-47,52 Concrete, Green R., Colona IL 1917
 1620 -31 Concrete viaduct
 1621 -38 Concrete, diagram
 1622 -34 Concrete, diagram (cracked)
 1623 -35 Concrete, Mason City 1914
 1624 -39 Concrete, Green R., Colona, IL 1917
 1625 -41 Concrete, Green R., Colona, IL 1917
 1626 1.13-69 Concrete, Rocky R., Cleveland
 1627 1.14-26 Steel, Niagara Gorge Arch 1924
 1628 -28 Steel, Alexander III Bridge, Paris, France
 1629 1.14-13 Steel, Hurricane Gulch, Alaskan Railway
 1630 -7 Steel, Stony Creek Arch, Canadian Pacific RR

Bridges

1631-35 1.14-5,17,23, Steel, Niagara Gorge Arch 1923-24
 25,29
 1636 1.15-9 Bascule, Vancouver, B.C.
 1637 -8 Bascule, drawing, Calumet River, Chicago
 1638 -7 Bascule, drawing, Calumet River, Chicago
 1639 Bridge drawing
 1640 -5 Bascule, Cuyahoga R., Cleveland
 1641 -4 Bascule, Cuyahoga R., Cleveland
 1642 -3 Bascule, Chicago River, Chicago, diagram
 1643 Detroit Superior Arch, Cleveland
 1644 Bridge drawing
 1645 Bridge over river
 1646 Sydney Harbor, Australia, drawing
 1647 1.14-16 Steel, Niagara, Clifton Arch
 1648 Steel bridge over river
 1649 -38 Steel, Crooked R. Arch
 1650 Steel, under construction
 1651 Steel, under construction
 1652 1.14-6 Steel, Niagara Gorge Arch 1923
 1653 -27 Steel, Niagara Gorge Arch 1923
 1654 1.15-29 Bascule, Huron St., Milwaukee, diagram
 1655 -38 Bascule, Chicago R., Van Buren St., Chicago
 1656 Steel, under construction

1657 -16 Bascule, Oswego Canal, Syracuse, NY
 1658 -18 Bascule, 16th St., Milwaukee, design
 1659 -17 Bascule, Chicago R., Ashland Ave., Chicago, design
 1660 -20 Bascule, diagrams
 1661 -11 Bascule, Knippels Bridge, Copenhagen
 1662 -15 Bascule, N. Salina St., Syracuse, NY, design
 1663 -14 Bascule, Chicago R., Michigan Blvd., Chicago, design
 1664 -27 Bascule, West Lake St., Chicago, design
 1665 -21 Bascule, Cuyahoga River, Cleveland, Oh
 1666 -41 Bascule, Connecticut River, Saybrook, CT
 1667 -39 Bascule, Chicago River, Chicago, IL
 1668 -30 Bascule, Scherzer
 1669 -47 Bascule, Scherzer, Van Buren St., Chicago
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Drawer 34 (cont.):

Bridges (cont.)

1670 -39 Bascule, Ohio St., Buffalo River, Buffalo, NY
 1671 -34 Bascule, Newton Creek, Brooklyn, NY, design
 1672 -28 Bascule, Huron St., Milwaukee, design
 1673 1.16-6 Highway, White Co., IL 1916
 1674 1.15-19 Bascule, 16th St., Milwaukee
 1675 Berkeley Bridge, Norfolk, VA
 1676 -1 Bascule, Harway Ave., Brooklyn, NY
 1677 1.15-13 Bascule, Michigan St., Buffalo, NY
 1678 -45 Bascule, Duluth, MN, designs
 1679 -25 Bascule, Washington St., Chicago
 1680 1.16-54 Highway, Covington, IN 1916
 1681 391 Steel Bridge
 1682 1.15-33 Bascule
 1683 1.16-8 Highway, Champaign Co., 1913
 1684 -44 Highway, Iowa 1915
 1685 -49 Highway, Iowa 1915
 1686 -28-14-106 Ry., Pierre, SD
 1687 -57 Highway, Vermilion Co., IL 1916
 1688 -74 Highway, Sioux R., Sioux City, IA 1914
 1689 -77 Highway, Sioux R., Sioux City, IA 1914
 1690 -56 Highway, Dixie Highway, Danville 1916
 1691 1.10-32 Concrete, collapsed
 1692 1.16-84 Highway, collapsed 1915
 1693 -78 Highway 1914
 1694 -20 Highway, failure, 1914
 1695 -58 Highway, White Co., IL 1915
 1696 28 Steel river bridge

1697-1707 1.17 1st and 2nd Quebec bridge, design and construction
 1708 1.16-59 Highway, Old St. Joseph bridge, Champaign Co., IL
 1709 14 Steel, Cape Girardeau, MO
 1710 1 Map - Illinois Mississippi Highway bridges
 1711 Cape Girardeau, MO, construction
 1712 1.16-50 Iowa Standard Pony Truss Span 1915
 1713 -63 Highway, Lime Creek, Mason City, IA 1914
 1714 -64 Pony truss, Iowa 1914

Drawer 35:

Bridges (cont.)

1715 -67 Salt Fork, Champaign and Vermilion Co., design
 1716 -79 Wooden bridge, Iowa 1915
 1717 -19 Wooden bridge, Iowa 1915
 1718 -17 White Co., IL 1916
 1719 Timber truss - Iowa, design
 1720 -4 Steel, Vincennes Bridge Co. 1914
 1721 1.19-5 Bridge design - floorbeam
 1722 -1 Bridge pins - manuf.
 1723 -2 Decatur Bridge Co., IL - const.
 1724 -4 Bridge design - graph
 1725 -8 Swiss bridge
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Drawer 35 (cont.):

Bridges (cont.)

1726 2.6-24 Steel, White Pass & Yukon Ry., Alaska
 1727 1.18-14 Cantilever bridge, design
 1728 Outerbridge Crossing NJ-NY
 1729-35 1.17 1st and 2nd Quebec br., design
 1736-43 1.19 Design - large cols., stringer, joint, tests
 1744 -3 Decatur Bridge Co., IL, construction
 1745 -10 Design - RR clearance
 1746 -9 Design - RR clearance
 1747 Bridge portals
 1748 -19 Steel construction
 1949 -20 Diagram - Lug Angle Tests
 1950 -17 Diagram - truss bridge
 1751 -8 Diagram - floorbeam
 1752 -16 Diagram - stringer
 1753 -7 Floor beam
 1754-1800 1.20 Dumbarton Bridge, 1907-10 - design, construction
 including floating span

Bridges - Lehigh & Lake Erie RR

1801-20 2.3, 1-26 Bridges at Buffalo Creek, Smokes Creek, Terminal
Ry., L.S. & M.S. Ry., B.R. & P. Ry., Cazenovia Creek

Bridges - C & N.W. RR

1821 2.2-4 Bridge erection, Pierre, SD
1822 -1 Bridge erection, Pierre, SD
1823 -15 Bridge erection, Kinzie & Clinton Streets
1824 -9 Bridge erection, Pierre, SD
1825 -16 Pierre, SD
1826 -14 Bridge erection, Halsted & Erie Streets
1827 2.6-22 Steel bridge - Copper River & NW Ry., Alaska
1828 2.2-11 Bridge erection - Union St. & Grand Ave.
1829 -12 Bridge erection - Austin Ave.
1830 2.6-33 Steel bridge - Ohio St.
1831 2.2-18 Bridge erection - Kinzie & Noble Streets
1832 -21 Bridge erection - P.C.C. and St. L. crossing
1833 -7 Bridge erection - Pierre, SD
1834 -2 Bridge erection - Pierre, SD
1834 -17 Bridge erection - Pierre, SD

Drawer 36:

Quebec Bridge

1835-57 1.17 1st and 2nd bridge, 1907, 1916, map, failure,
design, construction

Swiss Bridges

SEE HUNTINGTON'S LIST FOR 1858 THROUGH 1969 (next page)

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Drawer 37:

Swiss Bridges (cont.)

1970-73 120-23 Solis Bridge
1974 124 Inn-Viaduct
1975 125 Inn-Viaduct
1976 126 Val Puzza Viaduct
1977 127 Val Schura Bridge
1978 128 Val Mela Bridge
1979 179-20 Landwasser Viaduct
1980-83 130-32a Wiesen Bridge
1984 133 Sitter Viaduct
1985 134 Sitter Viaduct, diagram
1986 135-5-14 Sitter Viaduct, diagram
1987 136-2-13 Wiesner Viaduct
1988 137 Bridge, construction

- 1989 138-1-23 Viaduct over Worbieren at Bern
- 1990 139 (1-25) Viaduc de la Padeze pres du Pully
- 1991 140 Viaduc de la Padeze pres du Pully
- 1992 141 (1-27) Sitter viadukt bei Bruggen
- 1993 142 (1-30) Viaduc de Grandfey pres de Fribourg
- 1994 143 (1-32) Reussbrucke bei Mellingen
- 1995 144 (1-32) Guggenloch viadukt bei Lutisburg
- 1996 145 (1-36) Aarebrucke bei Brugg
- 1997 146 (1-40) Kerstelenbach viadukt bei Amsteg
- 1998 147 (1-44) Viaduc de la Conversion
- 1999 148 (1-44) Viadotto del Piantorino
- 2000 149 (1-47) Rheinbrucke bei Ragaz

Public Schools

- 2001 5199-5 Swaney Comm. School - judging horses
- 2002 5201-4 Swaney Comm. School - bldg.
- 2003 5202-3 Township High School - recreation
- 2004 5202-2 Pana Twp. High School - household
- 2005 5203-1 Pana Twp. High School - bldg.
- 2006 5200-6 Swaney Comm. School - recreation

Creosoted Wood; Enrollment Figures - Engr Col. Egyptian Slides

- 2007 Creosoted cross arms
- 2008 Machinery
- 2009 Utility poles Maumee O. 1921
- 2010 Utility poles Maumee O. 1921
- 2011 Egyptian mummy prop. of E.E. King
- 2012 Unloading cross arms from train
- 2013 Unloading cross arms from train
- 2014 Drawing - Diana of Ephesus - E.E. King
- 2015-22 Creosoting wood, stacked logs, workmen, RR car
- 2023 Bridges over RR tracks in city - E.E. King
- 2024 RR yard
- 2025 RR yard
- 2026 30 E.E. Show - miniature railway
- 2027 21 Graph - college of engr. enrollment 1869-1918
(cracked)

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Drawer 37 (cont.):

Creosoted Wood; Enrollment Figures - Engr. Col. Egyptian Slides (cont.)

- 2028 24 Graph - enrollment in engineering colleges
- 2029 E Graph - enrollment in engineering colleges
- 2030 Graph - college of engr. enrollment 1869-1918
- 2031 Graph - grads., college of engr. 1872-1918

- 2032 Graph - ceramic and mineral products value
Foreign and United States Glass Slides
- 2033 3.13-1 Cement. David Saylor
2034 Chair carriers at Hakone Pass, Japan
2035 Yohimeimom Temple, Nikko, Japan
2036 Capitol of Australia, Canberra
2037 Structure and trees
2038 Men on city street
2039 City hall, Singapore
2040 Pyramid & Sphinx, Egypt
2041 Active volcano, Mt. Aso, Japan
2042 Commodore Perry's anchorage, Japan
2043 Graph - Petroleum prod. in IL 1913-17
2044 Living conditions, Manila
2045 2.15-9 Cornell Engr. camp - mess tent
2046 -10 Cornell, class of 1912 (cracked)
2047 YMCA Conf., Lake Geneva
2048 20 U of I - Education and Statesmanship
2049 YMCA Conf., Lake Geneva
2050 Graph - comp. wealth of states - 1912
2051 2.15-20 MIT Engr. camp - ME
2052 E Education and Statesmanship
2053 2.14-53 Drainage - templet excavator - N. Dakota
2054 2.16-29 Irrigation - drops, Colorado
2055 1899 Plans for Australian Capitol - Walter B. Griffin
2056 Topographic view & cross-section
2057 Hargreaves Spinning Jenny
2058 2.7-13-421 East River Bridge, NY - drawing
2059 Crampton Mule - Jenny
2060 1719 Pneumatic Caisson - Forth Bridge
2061 Arkwright spinning machine
- General Civil Engineering
- 2062 3.20-48-1715 The Flume - NH 1183
2063 -50 Anaconda Hill, Butte, MT
2064 -51 Devil's Race Course, Yellowstone Nat. Pk., Wyoming
2065 -52 Agric. Exper. Station, Alaska
2066 -1 Auto Road to Cave of Winds, Manitou, CO
2067 -5 Ute Pass - Pikes Peak Hwy., CO (cracked)
2068 -3 Highway - CO (cracked)
2069 -6 Locks - Ontario, Canada
2070 -9 Sky Line Drive, Canon City, CO (cracked)
2071 -1-2229 Post Office, Anderson, IN
2072 -3-2228 Midshipman's Quarters, U.S. Naval Academy
2073 -18-1743 Arch of Constantine, Rome, Italy
2074 -2-2227 Carlon State Bank, Carlon, IN

Drawer 37 (cont.):

General Civic Engineering (cont.)

- 2075 -4-8 Weitzel lock, Sault Ste. Marie, Mich.
- 2076 -35 Arch of Septimius Severus, Rome, Italy
- 2077 2.1-15 Old Aquaduct & bridge, Cuernavaca, Mexico
- 2078 Corinth Canal - National Geographic, 1930
- 2079 Delaware R. Canal & Hwy., PN 1925
- 2080 3.20-41-1736 Fortress & bridge, Dinant, Belgium
- 2081 Drawing - Detroit-Canada Tunnel
- 2082 Drawing - Great Wall of China & U.S.
- 2083 3.20-21-1749 Wall - House of Augustus - Palatine Hill
- 2084 -22-1751 Parthenon, Rome (cracked)
- 2085 -23-1752 Building modern Parthenon - LA
- 2086 -24-1753 House of Emp. Augustus, Palatine Hill
- 2087 -25-1735 Pyramid of the Moon, Teotihuacan Ruins, Mexico
- 2088 -14-1728 Via Sacra, Rome, Italy

Drawer 38:

Western United States

- 2089 5878 Moffett Creek Bridge
- 2090 Columbia River Gorge
- 2091 Approach to Mitchell Point Tunnel
- 2092 5849 Horse Tail Falls
- 2093 5841 Viaduct E. of Multnomah Falls
- 2094 Latourell - Colorado River
- 2095 18684 Columbia Hwy. near Eagle Creek, OR
- 2096 5470 Latourelle Br.
- 2097 Around Eagle Crest
- 2098 Tooth Rocks on Eagle Crest - Columbia R.
- 2099 Mitchells Point - tunnel
- 2100 2493 Castle Rock, Columbia R.
- 2101 19843 Columbia Hwy. near Mitchell Point - OR
- 2102 19835 Columbia Hwy. Mitchell Point tunnel - OR
- 2103 19749A The Oregon Pony - OR (RR Engine)
- 2104 4141 Cape Horn - Columbia R., Great Northern Ry.
- 2105 Multanomah Falls
- 2106 5822 Shepperdo Dell
- 2107 19612 Crown Point, Columbia Hwy., OR
- 2108 19187 Portland - Mt. Hood, OR
- 2109 1964 Columbia Hwy. at Sheperd Dell, OR
- 2110 5475 Waukuna Falls
- 2111 19169 Viaduct - Hwy., OR

2112	19643	Shepherds Dell, Columbia Hwy., OR
2113	5821	Shepherds Dell Bridge, Columbia R. Hwy.
2114	19176	Shepherd Dell Bridge, Columbia Hwy., OR
2115		Near Eagle Creek, Columbia Hwy., OR
2116	585	Oneota Bluff Columbia R. Hwy. tunnel
2117		Crown Point, Columbia River
2118		Multanomah Falls, OR
2119		Oneota Tunnel
2120	19761	Eagle Creek Bridge, Columbia Hwy., OR
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Drawer 38 (cont.);

Tornado in Southern Illinois

2121	4.13-4	Murphysboro High School after tornado
2122		Transmission tower
2123		Steel coal tipple, W. Frankfort 3/18/25
2124	4.13-5	Tree pierced by board - Murphysboro 3/18/25
2125	-3	Baptist Church, Murphysboro
2126	-1	M & O Shops, Murphysboro
2127	-2	Murphysboro - res. area
2128		Steel grain bins
2129		Office, Murphysboro 3/18/25
2130		Water tower, Peabody Mine, W. Frankfort 3/18/25
2131		Bates poles, transmission tower, W. Frankfort 3/18/25
2132		Map - path of tornado through Murphysboro 3/18/25
2133		Logan School, Murphysboro
2134		Power house, Peabody Mine, W. Frankfort 3/18/25
2135		Head frames, Peabody Mine, W. Frankfort 3/18/25
2136		R.C. Coal bins, Williams Coal Co., Murphysboro
2137		Damage to houses, Murphysboro
2138		M & O RR water tank
2139		M & O shops, Murphysboro
2140		Steel conveyor trestle, New Orient Mine 3/18/25
2141		Washington School, Murphysboro

General Civil Engineering

2142	24	Quebec bridge
2143		Simpton tunnel
2144		Sphinx, Egypt
2145		Tunnel on canal in Europe - Rhone to Marseilles Canal
2146	3.20-12	Pikes Peak
2147	-10	Pikes Peak (cracked)
2148		Early design - NY Elevated 1927

2149 -37-1732 City wall - Jaffa Gate, Jerusalem
 2150 -28-1733 Khufus Sarcophagus - Great Pyramid; Italy
 2151 1 Map - Colorado River Basin
 2152 3.20-15-1729 Forum, Rome
 2153 Ead's Jetties, Mississippi Delta
 2154 -7 Canadian lock, Sault Ste. Marie, Ontario (cracked)
 2155 -8-2225 Little Saline Creek - Williamson-Johnson
 2156 -9-2226 Pont-y-Pais, Bettsw-y-Coed Wales
 2157 -10 Niagara Falls
 2158 Tunnel in Canadian Rockies
 2159 Eddystone lighthouses
 2160 3.20-34 Arch of Triumph, Paris
 2161 Grand Canal of China
 2162 Oakland Estuary Tunnel - CA
 2163 -11 Pikes Peak (cracked)
 2164 Map - Grand Canal of China
 2165 RR engine

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Drawer 38 (cont.):

Railroad Construction - Excavation, Machinery, Laying Ties, Bridges some in
Minnesota

2166-2207a

2208 Apparatus at RR yard, E.E. King
 2209 Apparatus at RR yard, E.E. King
 2210 Boiler ?

Drawer 39:

Railroad Construction (cont.)

2211 Dwarf signal
 2212 RR car - E.E. King
 2213 Landscape with RR grade
 2214 Tokaido Electrified Line - Japan
 2215 75-2209 Madeira - Mamore RR const.
 2216 Bush terminal
 2217 2.3-8 Lehigh & Lake Erie RR - diagram
 2218 3.4-70-2202 Madeira - Mamore RR
 2219 -69-2203 Madeira - Mamore RR
 2220 -67-2205 Along Mamore RR
 2221 -66-2112 Lehigh & Lake Erie RR - borrow pit train
 2222 -61-2110 Lehigh & Lake Erie RR - map
 2223 -71-2201 Madeira - Mamore RR - map Brazil

2224 -72-2206 Madeira - Mamore RR - native
 2225 -100-2128 Division terminal, Santa Fe
 2226 -87-2178 Coal train, Pittsburgh, PA
 2227 -122 Train shed
 2228 -88-2177-163 PRR - Allegerippus
 2229 -90-2220-123 Ties - Brookport, R.& L.T. Co.
 2230 -77-2215 Madeira - Mamore RR - loading rubber
 2231 -85-2180-160 PRR - Horseshoe Curve
 2232 -80-2212 Madeira - Mamore RR - collecting rubber juice
 2233 -79-2211 Madeira - Mamore RR - collecting rubber juice
 2234 3.4-110-2124 Cimmaron R. crossing - Santa Fe
 2235 -108-2121 Side hill const. - Santa Fe
 2236 -107-2122 Interlock tower
 2237 -106-2119 Small station
 2238 -120-2105-7274 West from Tunnel No. 4, Weber Canon, Utah
 2239 -119-2103-39 Mt. Kigi, Switzerland
 2240 -118-2184-16233 Grindelwald, Switzerland
 2241 -117-2183-21025 Switzerland, train station
 2242 -122-2113 Camp Creek 6/10/04, Old Monroe Mexico C.B.& Q.
 2243 -123-2114 Camp Creek 6/10/04, Old Monroe Mexico C.B.& Q.
 2244 -124-2115 Camp Creek 5/25/04, Old Monroe Mexico C.B.& Q.
 2245 3.3-2 Construction town
 2246 -3-2159 Graph - Passenger & freight on RRs
 2247 -24-2157 Hanover-Burlington Bridge 1906 C.B.& Q.
 2248 -25-2149-111 Inspecting engine
 2249 -31-2143-P29 Bear Creek 6/22/04, C.B.& Q., Old Monroe Mexico
 2250 -15-2156-P5 Sheep Canyon, Big Horn River
 2251 -5-2167 Pile Driving, Santa Fe Ry. (cracked)
 2252 -32-2142-P24 Camp Creek, 4/14/04, C.B.& Q., Old Monroe Mexico
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Drawer 39 (cont.):

Railroad Construction (cont.)

2253 -34-2155 Sage Brush Plains, Sheridan Div., C.B.& Q.
 2254 -51-2197-155 On the Gunnison Line, C.& S. Ry.
 2255 -1-2101 Harper's Ferry, W. VA
 2256 -27-2140-P31 Camp Creek 5/19/04, C.B.& Q. Old Monroe Mexico
 2257 -39-2219-70 Barging ties C.B.& Q.
 2258 -38-2134-69 Loading ties - Joppa - C.B.& Q.
 2259 -50-2181-18345 Costa Rica - grade
 2260 3.3-58-2160 ICRR W. Dubuque, IA
 2261 -16-2158-P4 Sheep Canon, Big Horn River
 2262 -6-2139 Locomotives
 2263 -9-2154-12 Road to Shoshone Dam

- 2264 -10-2135-139 Ties at Barkes, Tennessee River
- 2265 -28-2116-P30 Camp Creek 6/22/04 C.B.& Q. Old Monroe Mexico
- 2266 -26-2136-P28 Camp Creek 5/25/04 C.B.& Q. Old Monroe Mexico
- 2267 -29-2145-P25 Driscoll Cut 4/15/04 C.B.& Q. Old Monroe Mexico
- 2268 -30-2144-P20 Driscoll Cut 5/19/04 C.B.& Q. Old Monroe Mexico
- 2269 -36-2132-P16 Camp Creek fill 1904 C.B.& Q. Old Monroe Mexico
- 2270 3.4-115-2169-5276 Kulin, Switzerland
- 2271 -96-2137 Compound Earth Section, Santa Fe
- 2272 -81-2213 Madeira - Mamore RR - preparing rubber
- 2273 -74-2208 Madeira - Mamore RR - native women
- 2274 -91-2162 Byars - Santa Fe
- 2275 -92-2163 Shawnee Terminal Yards, Santa Fe
- 2276 -82-2182-10599 Mexico - Vera Crues RR (cracked)
- 2277 -93-2164 Crusher N. of Maramec - Santa Fe Ry.
- 2278 -95-2168 Borrow pits - Santa Fe Ry.
- 2279 2193 Chemin de Fer du Righi - Switzerland (cracked)
- 2280 3.4-101-2129 Double turnout - Santa Fe (cracked)
- 2281 -102-2130 Turnout - Santa Fe

Moffat Tunnel - Colorado

- 2282-2334 View of mountains, maps, snow scenes, interior & exterior tunnel, diagrams, machinery, workmen, camp or town, engineers with water in tunnel, David H. Moffat (2371), interior support structure, engine room, RR bridge, construction (see also RS 11/5/22 Box 2 for slide lecture by W.C. Huntington)

Drawer 40:

Moffat Tunnel (cont.)

- 2335-2400 See 2282-2334

Mountain Highways 1925

- 2401 Man on embankment
- 2402 Hwy. in mountain
- 2403 Hwy. in mountain, river
- 2404 Snow, Fall River Rd., Estes Park, CO 1930
- 2405 Steam shovel in mts.
- 2406 Steam shovel in mts.
- 2407-19 Mountain hwys., sidehill road, curves, snow scenes, tunnels

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Drawer 40 (cont.):

Mountain Highways (cont.)

- 2420 Road over Fall River Pass, CO

2421 Mountain hwy.
 2422 Mountain hwy., Skyline Dr., Canon City, CO
 2423 Mountain hwy., Lariat Trail, CO
 2424 Mountain hwy., Lookout Mt. Road, Golden, CO
 2425 Mountain hwy., Lookout Mt. Road, Denver, CO
 2426 2 Mountain hwy., Lookout Mt. Road, Denver, CO
 2427-50 Mountain highways, construction, blasting, snow
 scenes, bridges

Drawer 41:

Mountain Highways (cont.)

2451-73 Same as 2427-50
 2474 Mountain hwy., Lookout Mt. Road, Denver, CO
 2475-2501 Mountain hwy. - construction, camp, snow scenes
 2502 Mountain highway - Cariboo Rd., British Columbia -
 diagram
 2503 Mountain highway - Cariboo Rd., British Columbia -
 diagram
 2504-42 Mountain highways, snow, construction, tunnels
 2543 Mountain hwy., Knife Edge Rd., Mesa Verde, CO
 2544-46 Mountain hwy. - construction

Asphalt Road Construction

2547-57 1-14 Asphalt road construction

Road Bond Issue

2558 3.13-6-109 Graph - grade resistance
 2559 State map
 2560 2 Table - cost comparison
 2561 3 Table - cost comparison
 2562 4 Listing - cost comparison
 2563 Maps (cracked)

Road Construction

2564 Elevated hwy. along Hudson - NYC - 1921
 2565 3.9-3-44 Concrete road, Vermilion Co., IL - 1917
 2566 3.9-13-43 Concrete road, Vermilion Co., IL - 1916
 2567 3.7-6 Equipment - locomotive
 2568 3.7-8-56 Oiled street, Neoga, IL - 1916
 2569 3.9-29-82 Paving mixer

Drawer 42:

Road Construction (cont.)

2570 -6 Concrete road, Bismark - 1919
 2571 -7-29 Const. - concrete rd., Sidell, IL - 1916
 2572 -8-30 Const. - concrete rd., Sidell, IL - 1916
 2573 -10 Concrete road, Vermilion Co., IL - 1916

2574 3.7-9 Oiled street, Neoga, Il - 1916
2575 -25 Equipment, Vermilion Co., IL - 1917
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Drawer 42 (cont.):

Road Construction (cont.)

2576 -24 Culverts, Urbana, Il - 1917
2577 -22 E. Urbana rd. - 1914
2578 -34-3107 Construction equipment
2579 3.7-35 Road building equipment
2580 -32 Road building equipment
2581 -33-3108 Road building equipment
2582 -31 Road building equipment
2583 -36-R77 Road building equipment - truck, 1916
2584 -37-R78 Road building equipment - truck, 1916
2585 -38 Road building equipment - steam truck, 1917
2586 -29 Road building equipment - storage bin - Vermilion
Co., IL, 1917
2587 -30 Road building equipment
2588 -27 Road building equipment - industrial ry. - Vermilion
Co., IL, 1917
2589 -28 Road building equipment - storage bin - Vermilion
Co., IL, 1917
2580 -26 Road building equipment - clamshell unloader -
Vermilion Co., IL, 1917
2581 -17 Road building equipment - centiped truck
2582 -16 Road building equipment - traction engine
2583 -18 Road building equipment - traction engine
2584 -20 Road building equipment - traction engine
2585 -10 Road building equipment - traction engine
2586 3.6-63 Roadway
2587 3.9-26-40 Concrete road construction - Vermilion Co., IL, 1916
2588 3.6-50-7 Alley in town (cracked)
2589 -62 Alley in town
2590 -17 Hwy. const. tests, 1915
2591 -25 Monolithic rd., const. Hoopston, IL 1916
2592 -26 Monolithic rd., Mattoon, Il 1917
2593 -19 Monolithic rd., laying paving blocks, Baltimore, MD
2594 -21 Monolithic rd., Monticello, IL 1915
2595 -30 Monolithic rd. - curve 1917
2596 -38 Monolithic rd. - const., Monticello 1914
2597 -37 Monolithic rd. - Iroquois Co., IL 1916
2598 -40 Monolithic rd. - Mattoon, IL 1917
2599 -39 Monolithic rd. - Tolono Road 1917

- 2600 -41 Monolithic rd. - brick, Hoopeston, IL 1916
- 2601 -6 Monolithic rd. - Dixie Hwy., east of Danville, IL
- 2602 3.5-19-3155 Brick roads - Georgetown Rd. - Danville, IL 1917
- 2603 3.6-68 Monolithic rd.
- 2604 -2 Monolithic rd. - Mattoon, IL 1917
- 2605 -3-28 Monolithic rd. - Bloomington Rd., Champaign, IL
- 2606 -4-1180 Monolithic rd. - Busey Ave., Urbana, IL
- 2607 Concrete road building
- 2608 -5 Monolithic rd. - Dixie Hwy., Danville, IL 1917
- 2609 -12 Monolithic rd. - 4th St., Champaign, IL

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Drawer 42 (cont.):

Road Construction (cont.)

- 2610 3.6-13 Monolithic rd. - 4th St. - Champaign, IL
- 2611 -15 Monolithic rd. - Hoopeston, IL 1916
- 2612 -16 Monolithic rd. - const., Monticello, IL 1915
- 2613 -24-1511 Monolithic rd. - const.
- 2614 -7 Monolithic rd. - Dixie Hwy., Danville, IL
- 2615 -22 Monolithic rd. - const., Catlin, IL 1916
- 2616 -23 Monolithic rd. - Bloomington Rd., Champaign, IL 1917
- 2617 -36 Monolithic rd. - Dixie Hwy., Danville, IL 1917
- 2618 -35 Monolithic rd. - Dixie Hwy., Danville, IL 1917
- 2619 -34 Monolithic rd. - Dixie Hwy., Danville, IL 1917
- 2620 -32 Monolithic roads - const. - Catlin, IL 1916
- 2621 -42 Monolithic roads - const. - Hoopeston, IL 1916
- 2622 -46 Wood road, Baltimore, MD
- 2623 -43 Monolithic roads - Vermilion Co., IL
- 2624 -49 Monolithic roads in a town (cracked)
- 2625 3.7-3-58 Road building equipment - road side
- 2626 -2-3097 Road building equipment
- 2627 -5-3105 Road building equipment - locomotive
- 2628 -4-3096 Road building equipment - locomotive
- 2629 3.6-31 Monolithic roads - const. - Dixie Hwy., Danville, IL
1917
- 2630 -11 Monolithic roads - const. - Dixie Hwy., Danville, IL
1917
- 2631 -10 Monolithic roads - const. - Dixie Hwy., Danville, IL
1917
- 2632 -9 Monolithic roads - const. - Dixie Hwy., Danville, IL
1917
- 2633 -8 Monolithic roads - Catlin, IL 1916
- 2634 -18 Monolithic roads - Dixie Hwy., Danville, IL 1917

2635 3.7-23 Road building equipment, east Urbana, IL
 2636-41 ,11-15,21 Road building equipment, tractor engines
 2642 -1 Road building equipment, truck
 2643 3.9-27-3202 Concrete roads - const. - Mattoon, IL 1917
 2644 -30-27 Concrete roads - const. - Vermilion Co., IL 1916
 2645-49 ,16-20 Concrete roads - const. - Sidell, IL 1916
 2650 -15 Road construction
 2651 -5-3198 Road construction, Mattoon, IL 1917
 2652 -12-94 Road construction, Vermilion Co.
 2653 -1 Road construction
 2654 -21-3179 Road construction, Sidell, IL 1916
 2655 -34 Road construction
 2656 -14 Road construction
 2657 -11-33 Road construction, Sidell, IL 1916
 2658-71 3.6 Monolithic roads, town scenes, construction, alley,
 one in Delavan, IL
 2672 3.5-45-R99 Brick roads, Tolono Rd. - Champaign Co., IL - 1919
 2673 -44-R83 Brick roads, Stockland, IL - 1919
 2674 -43-R90 Brick roads, east of Urbana, IL - 1919
 2675 -42-R91 Brick roads, east of Urbana, IL - 1919
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Drawer 42 (cont.):

Road Construction (cont.)

2676 -55-R98 Brick roads, Tolono Rd. - Champaign Co., IL 1919
 2677 -54-R17 Brick roads, Dixie Hwy., east of Danville, IL
 2678 3.6-64-1264 Monolithic roads
 2679 3.5-46-R97 Brick roads, Tolono Rd. - Champaign Co., IL 1919
 2680 -15-R2 Brick roads, const., Dixie Hwy., east of Danville,
 IL 1917
 2681 -5-3123 Brick roads, const., Bloomington Rd., Champaign, IL
 1916
 2682 -35-R25 Brick roads, const., Vermilion Co., IL 1917
 2683-85 3.5 Brick roads, const., Hoopeston, IL 1916

Drawer 43:

Road Construction (cont.)

2686-87 3.5 Same as 2683-85
 2688 3.5-36-8 Brick roads, Dixie Hwy., east of Danville, IL 1917
 2689 -29 Brick roads, const., Hoopeston, IL 1916
 2690 -28-1 Brick roads, const., Hoopeston, IL 1916
 2691 -25 Brick roads, const., Hoopeston, IL 1916
 2692 -27-2 Brick roads, const., Hoopeston, IL 1916

2693 -14-3156 Brick roads, const., Georgetown Rd., south of
 Danville, IL 1917
 2694 3.15-18 Brick pavement, rural road
 2695 3.5-38 Brick roads, Iroquois Co.
 2696 -48-R95 Brick roads, east of Urbana, IL 1919
 2697 -50-R89 Brick roads, Iowa
 2698 3.5-37-R19 Brick roads, Dixie Hwy., east of Danville, IL
 2699 -10-1182 Brick roads, const., 4th St., Champaign, IL
 2700 -11-1183 Brick roads, const., 4th St., Champaign, IL
 2701 -12-R10 Brick roads, Batestown Rd., Danville, IL
 2702 -13-3154 Brick roads, Georgetown Rd., south of Danville, IL
 1917
 2703 -4-11 Brick roads, Batestown Rd., Danville, IL 1917
 2704 -3-R12 Brick roads, const., Batestown Rd., Danville, IL
 1917
 2705 -2 Brick roads, Jack Frost
 2706 -1-1204 Brick roads, horse-drawn wagon
 2707 -9-12 Brick roads, const., Catlin, IL 1916
 2708 -26-8 Brick roads, const., Hoopeston, IL 1916
 2709 -24-24 Brick roads, const., Hoopeston, IL 1916
 2710 -22-18 Brick roads, const., Hoopeston, IL 1916
 2711 -40-R100 Brick roads, Tolono Rd., south of Champaign, IL 1919
 2712 -39-R79 Brick roads, Stockland-Milford Rd., IL
 2713 -41-R92 Brick roads, east of Urbana 1919
 2714 -20-R13 Brick roads, const., Batestown Rd., Danville, IL
 1917
 2715 -7 Brick roads, const., Bloomington Rd., Champaign, IL
 1916
 2716 -6-3152 Brick roads, const., Bloomington Rd., Champaign, IL
 1916
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Drawer 43 (cont.):

Road Construction (cont.)

2717 -16-R1 Brick roads, const., Dixie Hwy., east of Danville,
 IL
 2718 -53-R21 Brick roads, Dixie Hwy., north of Danville, IL
 2719 -56-8 Brick roads, sidewalk, Champaign, IL 1918
 2720 -57 Brick roads, const.
 2721 -47-R96 Brick roads, Tolono Rd., south of Champaign, IL 1919
 2722 -51-R81 Brick roads, Stockland-Milford Rd., IL 1919
 2723 -52 Brick roads, chart - curve data
 2723 -17-R3 Brick roads, Dixie Hwy., east of Danville, IL
 2724 20 Monolithic roads, const., Hoopeston, IL 1916

- 2725 8-6 Monolithic roads, const., Catlin, IL 1916
- 2726 Brick road and bridge
- 2727 Loading materials
- 2728 Loading materials
- 2729 Hauling materials
- 2730 Cracks in brick, Dwight, IL 1919
- 2731 X-804 Puckaly Creek Rd., New Kensington, PA 1921
- 2732 Brick city street
- 2733 Brick city street - repairs
- 2734 Granite block street - NYC
- 2735 18-4 Brick roads, Dixie Hwy., east of Danville, IL 1917
- 2736 34-2 Brick roads, north of Stockland, IL 1919
- 2737 Road - Chain of Rocks Park
- 2738 Road in mountains
- 2739 Equipment - NYC
- Concrete Roads
- 2740 X1012 Cheshire, CT 1918
- 2741 N.Y.S. 1927
- 2742 X1013 Cheshire, CT 1918
- 2743-49 Construction
- 2750-54 3.9 Construction, including Vermilion Co. 1916
- Bituminous Roads
- 2755 Rural road
- 2756 X-735 Const. - St. Louis Co., MO (cracked)
- 2757 Y-450 Walkway, Bronx Zoo, NYC (cracked)
- 2758 Postley Estate, Roslyn, L.I. 1915
- 2759 Const. - Columbus, OH
- 2760 Const. - Columbus, OH
- 2761 Scioto Trail
- 2762 Scioto Trail 1930
- Experimental Road Bond Issue Data - Vermilion Co. IL
- 2763-70 Data table, 1918; statistics, graphs, road, 1927
- Road Construction Equipment
- 2771 Roadway - OH
- 2772 Machine - Philadelphia, PA
- 2773 Machine - German caption
- 2774 Repairs - Great Lakes Naval Training Station
- 2775 1.8-15-R71 Brick manufacturing - Danville, IL

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Drawer 43 (cont.):

Road Construction Equipment (cont.)

- 2776 Steam roller - KY - cracked

- 2777 3.7-19 Equipment
 - 2778 Diagram - concrete slab bridges
 - 2779 35-1142 Stone - Dekalb, IL
 - 2780 Scarifier - OH
 - 2781 Scarifier - OH
 - 2782 Steam roller - OH
 - 2783 Steam engine - IN
 - 2784-89 Equipment - French caption
- Concrete Mixers
- 2790 2.12-10 Mixer - Chicago manuf. (cracked)
 - 2791 -6 Cement gun - drawing
 - 2792-2800 2.12 Chicago manuf. mixer, paver, mixing plant
- Illinois Bridges
- 2801 1.16-95 Steel, near Thomasboro, Champaign Co., IL 1917
 - 2802 2.2-22 Steel, erection, Bridge St., Danville, IL
 - 2803 -23 Steel, erection, Bridge St., Danville, IL 1915
 - 2804 2.6-29 Steel, erection, Green R., Henry Co., IL
 - 2805-08 2.14 Steel, Ohio R., Metropolis, IL 1916
 - 2809 Steel, construction

Drawer 44:

Sand & Clay Roads

- 2810 3.12-57 Urbana, IL 1919 (cracked)
- 2811 -58 Crystal Lake Park, Urbana, IL 1919
- 2812 -62 Const.
- 2813 -61 Const.
- 2814 -60 Const.
- 2815 -59 Diagram
- 2816 6 Riegelsville
- 2817 3.12-51-4 Auto wreck, Iowa 1915
- 2818 -54 Clarksdale, Miss.
- 2819 -55 Lebanon, MO
- 2820 -50 Gainesville, FL
- 2821 -49 Gainesville, FL
- 2822 -48 Savannah, GA

Macadam Roads

- 2823 3.14-4 Mixing method - model
- 2824 -36-1144 Dekalb, IL - gravel
- 2825 -14 Const. - Casey, IL 1911
- 2826 3.12-52 Const. - sand & clay - LA
- 2827 3.14-7 Const. - White Co., IL 1916
- 2828 9 Road with dirt on top
- 2829 10 New Albion, NY 1922 (?)
- 2830 13 Const. (cracked)
- 2831 124 Const. - St. Louis, MO 1920

2831 128 Const. - St. Louis, MO
2832 17 Const. - Olean, NY
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Drawer 44 (cont.):

Macadam Roads (cont.)

2833 20 Const.
2834 Const.
2835 214 Const. - Williamstown, KS 1921
2836 937-7 Const. - Cattaraugus Co., NY
2837 3.12-4 Const. - Westfield, Mass.
2838 3.14-9 Road material model

Cement

2839 Drawings - typical concrete layout
2840 2.11-40 Graph
2841 -39 Graph
2842 -16 Utica Natural Cement Kilns
2843 -30 Packing & shipping
2844 -29 Tube mills
2845 -28 Separator
2846 -27 Selecting rock
2847 -19 Saylor's kilns, Coplay, PA
2848 -36 Testing machine
2849 -37 Graph
2850 -38 Graph
2851 -17 Pulverizers
2852 -18-2021-48 Rotary kilns

Brick Pavements

2853 3.15-36 Chevy Chase Rd., Washington, D.C.
2854 -38 Chevy Chase Rd., Washington, D.C.
2855 -37 Chevy Chase Rd., Washington, D.C.
2856-60 3.15 Brick pavements
2861-65 3.15 Paris, IL 1915
2865-72 3.15 Construction & testing
2873 -11-86 Sand & clay roads - Urbana, IL 1919
2874-76 3.15 Construction - Paris, IL 1915
2877-79 3.15, 55-57 Monolithic brick street
2880 3.15-44 Stone block

Earth Roads

2881 3.12-43 Bellville, TX
2882 -46 White Co., IL
2883 -39 Macon, MO
2884 -38 Macon, MO
2885 -42 Helena, AK

2886 -41 Helena, AK
 2887 -6 Road
 2888 -7 White Co., IL
 2889 -8 Milford, IL
 2890 -26 Neoga, IL 1916
 2891 -31 Jackson, LA
 2892 -34 Drag - drawing
 2893 -35 Drag - drawing
 2894 -36 Macon, MO
 2895 -40 Macon, MO

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Drawer 44 (cont.):

Earth Roads (cont.)

2896 -2 Scraper
 2897 -4 Construction
 2898 -5 Construction
 2899-2901 3.12 Construction - Monroe, LA
 2902-07 3.12 Road - IL 1915

Cement

2908-11 2.11,6-8,15 Manuf. & construction
 2912 2.11-25 Quarrying - Rosendale, NY
 2913-20 2.11 Testing, graph, laboratory, const.
 2921 2.11-23 "Mound builders pottery" - display
 2922-25 2.11 Sieves, manufacturing
 2926 -22 Manufacture - Coplay, PA
 2927 -21 Manufacture - Coplay, PA 1892
 2928-34 2.11 Manufacture, graphs, quarry

Drawer 45:

Drainage

2935 2.14-67 Equipment
 2936 -66 Equipment
 2937 -82 Road, IL 1915
 2938-41 2.14 Equipment & construction
 2942 -54 Drainage canal, eastern ND
 2943 -79 Equipment - drawing
 2944 -85 Kearney, NB
 2945-50 2.14 Equipment, drawings
 2951 Levee
 2952 Collapsed bridge - New England
 2953-64 2.13, 2.14 Equipment

2965 2.13-10 Diagram
 2966 -36 Equipment
 2967 2.14-84 Road const., Mass.
 2968 Equipment - drawing
 2969 Equipment
 2970 2 Equipment - Kankakee Co., IL
 2971-3001 2.13, 2.14 Equipment, construction, drawings
 3002 2.13-47 Equipment - Chicago Drainage Canal
 3003 -46 Equipment
 3004-07 2.13, 37-40 Equipment - Mesabi Range, MN
Brick Roads - Failures
 3008 3-15 New Boston - Portsmouth, OH
 3009 3.6-1 Chalmers St., Champaign, IL 1911
 3010-15 Streets - repairs & const.
 3016 3.6-33 Construction, Dixie Hwy., Danville, IL 1917
 3017 10 Man at const. site
 3018 9 Const. (cracked)
 3019 Const. (cracked)
 3020 Const.

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Drawer 45 (cont.):

Brick Roads - Failures (cont.)

3021 Const., Photo 12, Walker thesis
 3022 Const. (cracked)
 3023 Road

Culverts

3024 3.11-33 Story Co., IA 1915
 3025 -21 White Co., IL 1915
 3026 -20 Vermilion Co., IL 1917
 3027 -19 Vermilion Co., IL 1917
 3028 -18 Douglas Co., IL 1915
 3029 -36 Destroyed culvert
 3030 -35 Destroyed culvert, near U of I
 3031 -34 NW of Champaign, IL 1917
 3032 -29 Champaign, IL 1917
 3033 3.4-78-2214 Railroads - Madeira - Mamore RR
 3034 3.11-28 Iron culvert
 3035 -33 Champaign Co., IL 1917
 3036 -30 Illinois
 3037 -31 Champaign Co., IL 1913
 3038 -27 Iron culvert 1913
 3039 -25 Williamson Co., IL 1916

- 3040 -38 Wooden culvert
- 3041 -32 Urbana, IL 1917
- 3042 -6 Concrete culvert 1915
- 3043 -7 Culvert 1913
- 3044-48 -1 Table & diagrams
- 3049 -12 Culvert failure, Iowa 1914
- 3050 -13 Culvert failure, Iowa 1914
- 3051 -14 Iowa 1915
- 3052 -15 Culvert failure 1914
- 3053 -16 Culvert failure 1914
- 3054 -17 Bismark, IL 1917

Macadam Roads

- 3055 3.14-38 Dekalb, IL
- 3056 -30 Maryhill, Wash.
- 3057 -29 Construction
- 3058 -28 Twp. road
- 3059 -27 Illinois road, 1915 (cracked)
- 3060 -26 Construction
- 3061 -20 Construction
- 3062 -19-99 Illinois road, 1915 (cracked)
- 3063 -18 Street, Mt. Vernon, IN 1916
- 3064 -16 Construction
- 3065 -10 Construction, Casey, IL 1911
- 3066 -32 Construction, Westwood, Mass. (cracked)
- 3067 -15 Construction, Casey, IL 1911
- 3068 -39 Construction, Dekalb, IL
- 3069 -13 Construction, Casey, IL 1911

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Drawer 46:

Macadam Roads (cont.)

- 3070 3.14-40 Lebanon, MO
- 3071 -11 Const. - Casey, IL 1911
- 3072 -2 Road
- 3073 -1 Road
- 3074 -12 Const. - Casey, IL 1911
- 3075 -3 Equipment - drawing
- 3076 -7 Model
- 3077 -8 Model
- 3078 -21 Const.
- 3079 -24 Const.
- 3080 -34 Const., Red Wing, MN

3081 -23 Const.
 3082 -31 Const., Johnson City, TN
 3083 -25 Const.
 3084 -41 Jackson, TN
 Brick Manufacture - Kiln, Loading & Unloading, Equipment, Stacked Brick,
 Quarrying, Shale, Danville Brick Co.
 3085-3105 1.8, 1-22 Stacked
 Earth Road Construction
 3106-25 1-21 Road and construction
 Brick Roads
 3126 3.15-17 Rural pavement - OH
 3127 -62 Paris, IL 1915
 3128 -35 Chevy Chase Rd. - Washington, D.C.
 3129-33 3.15 Const.
 3134 -19 Rural road - OH
 3135 -20 Rural road - OH 1917
 3136 -21 Road & canal - OH 1917
 3137 -22 Street, Cleveland, OH
 3138 -23 Street, Cleveland, OH
 3139 -40 Chevy Chase Rd. - Washington, D.C.
 3140 -42 Street, Indianapolis
 3141 -43 Stone block
 Roads - Location
 3142 3.13-20 Speedway, New York, NY
 3143 -29 Motor truck on road
 3144 -37 Improper bridge loc.
 3145 -35 Relocation, Dixie Hwy., Danville, IL 1916
 3146 -25 Street crossing, Cleveland, OH
 3147 3.12-47 Earth roads - cartoon
 3148 3.13-38 Mattoon, IL 1917
 3149 -13 Kingston Pike, Knoxville, TN
 3150 -14 Albany, NY
 3151 -15 Map - Champaign Co., IL
 3152 -21 Baltimore, MD
 3153 -22 Const., Baltimore, MD
 3154 -23 Queen Louise Bridge, Copenhagen, Denmark
 3155 -24 Long Bridge, Vistula River, Warsaw, Poland
 3156 -30 Ox teams on road
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Drawer 46 (cont.):

Roads - Location (cont.)

3158 3.13-39 Plan - Diversay & Sheridan Rd., Chicago (cracked)
 3159 -31 Bad road 1916

- 3160 -32 Good road 1915
- 3161 -17 Story Co., Iowa 1915
- 3162 -18 Story Co., Iowa 1915
- 3163 -16 Road & bridge, Lincoln Hwy., Green Co., Iowa 1915
- 3164 -33 Holes filled with brick
- 3165 -4 Dixie Hwy., Danville, IL 1916
- 3166 -5 Street, Danville, IL
- 3167 -11 Gobhards Pass, Switzerland
- 3168 -1 Vermilion Co., IL 1915
- 3169 -3 Vermilion Co., IL 1917

Mountain Road Construction

- 3170 Fall River Pass, July
- 3171 3.19-20 1093 Sanitation - San Francisco
- 3172-77 Bridge const., curves, roads

Tarvia Roads

- 3178 Y-609 York, ME gravel road 1918
- 3179 612 York, ME - equipment
- 3180 1119 Sanford, ME, Main St. 1921 (cracked)
- 3181 118 Philadelphia, PA - const.
- 3182 114 Philadelphia, PA - const.
- 3183 276 Green Lake, WI - road (cracked)
- 3184 100 Philadelphia, PA - const. 1918
- 3185 1018 Le Roy, NY - street 1920
- 3186 537 Undercliff Rd., Shadyside, NJ (cracked)
- 3187 318 Urbana, OH - const.
- 3188 369 Kane Co., IL 1921
- 3189 Whitehall Rd., Muskegon Co., Mich. 1919

Seal Coating - Includes Olean, NY and Washington, D.C.

3190-95

Drawer 47:

Seal Coating (cont.)

3196-99

Tarvia - Bituminous Construction

- 3200 541 Undercliff Rd., Shadyside, NJ
- 3201 454 Concord, NH 1910
- 3202 540 Undercliff Rd., Shadyside, NJ
- 3203 Dixie Hwy.
- 3204 242 Minneapolis, MN
- 3205 795 Elk River, MN 1925
- 3206 1925
- 3207 133 Davenport, IA
- 3208 736 St. Louis Co., MO 1920
- 3209 1118 Sanford, ME
- 3210 Maine 1919

3211 112 Philidelphia, PA
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Drawer 47 (cont.):

Tarvia - Bituminous Construction (cont.)

3212 171 Grand Rapids, Mich.
3213 979 Wendham, MA
3214 MD
3215 732 St. Louis Co., MO 1920
3216 Tarvia - drawing
3217 1115 Kennebunk, MI 1921
3218 1086 Burlington, VT 1921
3219 MD
3220 615 OH
3221 72 Kansas City, MO 1920
3222-25 2-5 Riegelsville, PA
3226 Const.
3227 Const. 1930
3228 1 Riegelsville, PA

Brick Roads

3229 3.15-45 Man under roadway
3230 Portsmouth, OH 1917
3231 Chalmers St., Champaign, IL
3232 314 Portsmouth, OH
3233 316 New Boston, OH 1917
3234 Pavement
3235 Grand Rapids
3236 Pavement
3237-45 Pavement - Ohio
3246 3.6-14 Georgetown Rd., Danville, IL 1917

Roads

3247-60 Roads

Earth Roads - Includes Vermilion Co. 1916; Louisiana

3261-79 22-36 Road

Highway Erosion - Ditches, Abutments, Retaining Wall, Vermilion Co. 1926

3280-87 1-6

Experimental Road, 1926-27

3288-3307

Mountain Highways

3308 Poudre Canon Road, CO 1930
3309 Tunnel portal
3310 Roadway
3311 Red Mt., CO 1930
3312 Lookout Mt. Road, Denver, CO (cracked)

3313 Construction
3314 Roadway
3315 Roadway

Sanitation

3316 3.19-18 Oldest house in U.S. - St. Augustine, FL
3317 -19 Magnolia Ave., Riverside, CA
3318 -17 Map - Ft. Crockett, TX
3319 -16 Map - U.S. Naval Training Station, Great Lakes, IL
3320 -12 Map - Muscoda
3321 -19 Construction
11/1/11 63

Drawer 47 (cont.):

Sanitation (cont.)

3322 3.19-13 Map - Camp Whitman, NY
3323 -14 Const. - Camp Borden
3324 -11 Const. - Baltimore, MD

Drawer 48:

Sanitation (cont.)

3325 3.19-9 Camp Whitman, NY
3329 -10 Army camp
3330 -7 Army camp - map
3331 -8 Army camp - map
3332 -6 Camp Borden - map
3333 -4 Sanitation plant
3334 -5 Interior supports
3335 -2 Baltimore, MD
3336 -3 Brooklyn, NY
3337 Cleaning sand filter - Edinburgh
3338 3.8-102 Mountain scene
3339 10-1579A Pedro Miguel Lock - Panama Canal
3340 Machinery
3341 Machinery
3342 Aerial view - Essen - Rellinghausen, Germany
3343 Chestnut Hill Reservoir, Boston
3344 Ashokan Aerator
3345 Geysers - Waireaki, N.Z.
3346 Sultan Ibrahim Dam, Singapore
3347 Drawing - Joseph's well, Cairo
3348 NYC - waste collection
3349 Map - Hamburg - Altona, Germany - cholera
3350 Canal - Saigon

3351		View of sanitation works
3352		Machinery
3353		Sanitation works
3354		Interior - Longhill filter house
3355		Asiatic cholera - Broad St. well - drawing
3356		Water works const., Keijo, Chosen
3357		Const.
3358		Const. - canal
3359		Const. - Paris
3360		Const.
3361		Sewage treatment plant, Tokyo
3362		Const. worker
3363		Water tank, Calcutta
3364		Ships in Suez Canal
3365		Roman Bath, Bath, England 1927
3366	1050	Construction - Nile
3367	1051	Aqueduct - Bombay
3368	1052	Silvan Dam - Melbourne
3369	1054	Water works - Peking
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Drawer 48 (cont.):

Sanitation (cont.)

3370	1053	Camp - Nadien Dam, Sydney
3371	1055	Claudia Aqueduct
3372	1056	Hydrant - Tien Tsin
3373	1057	Public baths - Bali
3374	1058	Balinese dance
3375	1059	Victoria B.C., water supply
3376	1060	Surveying - Utah (cracked)
3377	1061	New Croton Dam (cracked)
3378	1062	Water works, Erie, PA
3379	1063	St. Louis
3380	1064	Longport, NJ
3381	1065	Water tower, Jeweler's Bldg., Chicago
3382	1066	Interior view - tanks
3383	1070	Sewer vent, Rangoon
3384	1067	New Orleans
3385	1068	Night soil disposal, Manila
3386	1071	Interior view construction
3387	1072	Drawing
3388	1069	Cloaca Maxima
3389	1073	Cattle - Paris sewage farm 1927
3390	1074	Aerial view - sewer works

3391	1075	Potatoes - Paris sewage farm 1927
3392	1076	Sludge disp. bldgs.
3393	1077	Material
3394	1078	Baltimore sewage treatment
3395	1079	Rubbish scows, NYC
3396	1080	Reduction plant, Los Angeles, CA
3397	1081	Denver hog farm
3398	1082	Living conditions, Manila
3399	1083	Bathroom, 70s
3400	1084	Modern bathroom 1905
3401	1085	Havana, Cuba (cracked)
3402	1086-36	Panama Canal
3403	1087-63	Panama Canal - construction
3404	1088	Bathing ghats, Benares
3405	1089	Hindu fakir, Rangoon
3406	1090	Towers of Silence, Bombay
3407	1091	Children - Ceylon
3408	1092	Castor oil - Ceylon
3409		Map - Asiatic cholera & Broad St. pump - London 1854
3410		Broad St., London 1937
3411		Irrigation canal, Batam, Java
3412		Yokahama water works
3413		Street scene - Canton
3414		Construction site
3415		Boat at dock
3416		Roof plates - const.
3417	18	Const. - aquaduct
3418		Chain of Rocks plant - St. Louis
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Drawer 48 (cont.):

Sanitation (cont.)

3419	11	Const. - sewer works
3420		Reservoir at Buenos Aires
3421		Table - engineers' salaries
3422		Water works, Tewkesbury, England 1927
3423		Const. - canal
3424		Const. - South Milwaukee 1919
3425		Bridge const. - Saigon
3426		Pineapple fields - Hawaii
3427		Street hydrant, Rangoon
3428		Sewage treatment, Tokyo
3429		Silvan Dam, Melbourne
3430		Sewer const. - street scene

3431 Calumet Sewage Pump Station
 3432 Bessemer Oil Engine
 3433 Canal - Bangkok
 3434 Apparatus - drawing
 3435 Apparatus - drawing
 3436 36 Rocky area
 3437 Street scene - Canton
 3438 62-1546 Men's quarters - Panama Canal
 3439 Clinker from incinerator - Paris 1927
 3440 Rail yard
 3441 Pool of Solomon
 3442 Bronze castings, summer palace, Pekin
 3443 Dam const., Waikarei R., N.Z.
 3444 Largest farm bldg., Wellington, N.Z.
 3445 Harbor const., Nawiliwili, Kauai, Hawaii
 3446 Lake Vrynwry, North Wales 1927
 3447 Plant pollen or seeds?
 3448 Chain of Rocks, St. Louis
 3449 Sewage farm, Paris 1927

Drawer 49:

Sanitation (cont.)

3450 Farm view
 3452 Canal const.
 3453 Sand filter house, Edinburgh, Scotland 1927
 3454 Water tower at Worcester, England 1927
 3455 Scene on road
 3456 Grain shocked
 3457 Drainage canal
 3458 Bathing ghats, Benares
 3459 London
 3460 Double gauge RR, Siam
 3461 Post office, Singapore
 3462 Bamboo suspension bridge, Java
 3463 Hamburg sewer 1928
 3464 2.11 Concrete - consistency modules
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Drawer 49 (cont.):

Sanitation (cont.)

3465 Equations - reinforced concrete
 3466 5 Aquaduct construction
 3467 Lombard - Replogie Governor - machine

3468 12 Field & construction
3469 Dam
3470 Power plants in mountains
3471 Damaged dam
3472 4 Construction in river
3473 2 Construction in river
3474 5 Overview drawing - Panama Canal (cracked)
3475 Drying coffee, Hawaii
3476 Railroad, Japan
3477 20 Drawing - American Navy
3478 Arch over waterway
3479 Underground pipes
3480 Object behind fence
3481 3.19-1 Sewage works - Brooklyn, NY
3482 Dam const. - Bantam, Java
3483 Street scene
3484 Tunnel opening
3485 Sewage works
3486 Sewage farms - Berlin
3487 View of farm
3488 Hydraulic laboratory, Semarang, Java
3489 Construction site
3490 View of water & mountains
3491 Near Benavie
3492 Table - typhoid rates 1917
3493 Scene in fields
3494 Sewage farms, Paris
3495 Bridge
3496 Canal, Tien Tsin
3497 Cisterns at Carthage
3498 Water filtration plant, Hamburg
3499 Construction
3500 Invyama Castle, Japanese Rhine
3501 Old Salern Chautaugua 1915
3502 Old Salern Chautaugua map
3503 Machinery
3504 49 Const. - Baltimore, MD
3505 Interior view - const.
3506 Exterior view - const.
3507 Altona filters 1928
3508 634-1245 Heidelberg & Neckar Rivers, Germany
3509 Graph - typhoid fever deaths - Birmingham 1910-22
3510 Construction - ditch
3511 Drawing - Honolulu Artesian well
3512 Scene with ditch
3513 Farm scene

Drawer 49 (cont.):

Sanitation (cont.)

- 3514 Pier (cracked)
- 3515 Sludge centrifuge, Milwaukee, WI

Water Sewers

- 3516 2.16-42 Model - Catskill aquaduct
- 3517 Drawing - silt basin
- 3518 Outlet, Hog Lake District, IL
- 3519 Graph - typhoid, Jacksonville, FL
- 3520 Sewage pumping station, Holland
- 3521 Apparatus
- 3522 Drawing - drive well
- 3523 Roman water pipe
- 3524 Water works, Worcester, England 1927
- 3525 8 Interior view construction
- 3526 Irrigation
- 3527 Power house, Waikaremoana, N.Z. (cracked)
- 3528 Hume Dam, Australia
- 3529 Marondah Aquaduct, Melbourne
- 3530 Water works
- 3531 Machinery
- 3532 Nile irrigation
- 3533 Claudia Aquaduct
- 3534 Mosquito breeding, Batavia, Java
- 3535 Rebecca at the well - relief art
- 3536 Artichoke plant - Paris sewage farm 1927
- 3537 Privy - Hangchow
- 3538 Water laboratory, Paris 1927
- 3539 View of water works
- 3540 14 View of water works
- 3541 28 View of water works
- 3542 Activation tank
- 3543 Cleaning sedimentation tank
- 3544 Trench machine
- 3545 Water tower, Chicago
- 3546 Chart - typhoid & temperature
- 3547 Drawing - well at Rancho Creek
- 3548 Garbage collection, Paris
- 3549 Sand storage, Muggelsee water works, Berlin
- 3550 Reservoir, Liverpool
- 3551 Sturgess Governor - drawing

3552	Sugar cane sluices, Hawaii
3553	Moreauville Crevasse, LA
3554	Sterile lab, AEF in France
3555	River control, Soerabaja, Java
3556	Lead pipes
3557	Sewage farm, Melbourne
3558	Automatic water meter, Socorabaja, Java
3559	Sewage pumping station, Rangoon
3560	Sewer opening Tsinan, China
3561	Explosion
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Drawer 49 (cont.):

Water Sewers (cont.)

3562	Lagooned sludge, Leipzig
3563	Cleaning sewage tank, Dalmarnock, Glasgow
3564	Chinese treadmill pump
3565	Machinery
3566	46 View of portion of treatment plant
3567	33 Tank - Leipzig
3568	1004 Sand filters, Soerabaja, Java
3569	1005 Const. - Yokohama
3570	1006 View of sanitary works
3571	1007 Dam const. - Singapore
3572	1008 Const.
3573	1009 Apparatus
3574	1010 Huge pipe

Drawer 50:

Water Sewers (cont.)

3575	1011 Apparatus
3576	1012 Water point - Montfaucon - Avocourt Rd.
3577	1013 Microbes
3578	1014 Map - Rockford, IL
3579	1015 Graph - typhoid - Rockford, IL
3580	1016 Map - Hamburg - Altana
3581	1017 Sand filters - Edinburgh
3582	1018-15 Graph - typhoid
3583	1019 Falkirk water works, Scotland
3584	1020 Apparatus
3585	1021 RR wharf, Pnom Penh, Cambodia
3586	1022 Construction
3587	1023 Water works

3588	1024	Deep well turbines - Grand Island, NB
3589	1025-1	Wells - drawing
3590-96	1026-32	Interior & exterior views - construction
3597	1033	Building
3598	1034	Field
3599	1035	Rock
3600	1036	Conduit - Glasgow
3601	1037	Filter
3602	1038	Boat in canal
3603	1039	Microbes
3604	1040	Map - Munich fish farm & sewage disp.
3605	1041	Dunedin, N.Z.
3606	1042	Sludge dryer - drawing
3607	1043	Incinerator - Paris 1927
3608	1044	Incinerator - Clifton
3609	1045	Chinese scavenger
3610	1046	Glasgow water supply
3611	1047	Aswan Dam
3612	1048	Aswan Dam - construction
3613	1049	Nag Hamadi Barrage, Egypt
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Drawer 50 (cont.):

Keokuk Dam, 1911-12 - H.L. Cooker, Spillways, Turbine, Powerhouse, Cribs,
Construction, Boats

3614-37 2.18

Dams

3638		Map - Colorado River (cracked)
3639		St. Francis
3640		St. Francis
3641	1983	Shoshone Reservoir
3642	3.1-27	Taylors Falls, MN
3643	2.16-26-420	Irrigation viaduct - San Joaquin Valley, CA
3644	1346	Tieton Dam
3645	2.12-6	Construction
3646	-14	Entrance to tunnel - Shoshone, CO
3647		Construction
3648	-12	Down stream deck 1913
3649-52	,8-11	High water 1913
3653	-7	Construction 1913
3654-58	,1-5	Austin Dam 1913
3659		Wapama Falls - San Francisco
3660		Beaver Dam
3661-66	2.18	Keokuk Dam - draft tubes, drawings, powerhouse

3667 3.8-99 Arrowrock Dam, Idaho
 3668 Coolidge Dam
 3669 Coolidge Dam
 3670 1345 Tieton Dam
 3671 Boulder Canyon Dam - drawing
 3672 Shoshone Dam, Wyoming
 3673 St. Francis Dam, CA
 3674 2.18-2 Keokuk Dam - upstream
 3675 3.8-64 Stony Gorge Dam, CA - plan
 3676 3.20-39 Great Dam, Assuan, Egypt
 3677 3.8-63 Little Rock Dam
 3678 2.18-1 Keokuk Dam - birds-eye view
 3679 2.12-13 Bear Trap Dam, CO
 3680 2.18-38 Keokuk Dam - lock
 3681 -37 Keokuk Dam - old lock
 3682 -43 Keokuk Dam
 3683 -20 Keokuk Dam - spillway
 3684 -6 Keokuk Dam - coffer dams
 3685 1874 American Falls Dam
 3686 2.16-4 Olive Bridge Dam - drawing
 3687 Boulder Canon Dam - drawing
 3688 2.18-3 Keokuk Dam
 3689 -4 Keokuk Dam - rollway
 3690 3.1-56 Gleno Dam, Italy
 3691 2.18-11 Keokuk Dam, 1911
 3692 -15 Keokuk Dam - concrete mixer
 3693 -21 Keokuk Dam - archway
 3694 -22 Keokuk Dam - archway

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Drawer 50 (cont.):

Dams with Power Plants

3695 3.8-94 Gibson Dam - plan
 3696 -91 Jim Falls - plan
 3697 -101 American Falls Dam, Idaho - plan
 3698 -90 Shoshone, CO
 3699 -84 Guernsey Dam, WY - plan

Drawer 51:

Dams with Power Plants (cont.)

3700 -62 Black Canyon Dam, Idaho
 3701 -61 American Falls Dam, Idaho

- 3702 -88 Trees on mountain
- 3703 -97 American Falls Dam, Idaho - plan
- 3704 -98 Black Canyon Dam, Idaho - const.
- 3705 -89 American Falls Dam, spillway
- 3706 -87 Guernsey Dam, WY - plan
- 3707 -96 American Falls Dam, Idaho - plan
- 3708 -95 Gibson Dam, Mont. - plan
- 3709 -86 American Falls Dam, Idaho - plan

Water Power

- 3710 3.1-1 Kettle River site - map
- 3711 -2 Never's site - borings
- 3712 -3 Never's site - borings
- 3713 -4 St. Croix River - hydrograph
- 3714 -24 Power site - upper Mississippi River
- 3715 -23 Power site - upper Mississippi River
- 3716 -22 Power site - Kettle River
- 3717 -34 St. Croix River - profile
- 3718 -33 St. Croix River - profile
- 3719 -32 St. Croix Falls
- 3720 -31 Taylors Falls, MN
- 3721 -14 Yellowstone - falls
- 3722 -13 Yellowstone - falls
- 3723 -37 Jim Falls - hydrancone
- 3724 -21 Yellowstone - hot springs
- 3725 -52 Guernsey Dam, WY - plan
- 3726 -54 Seattle Gorge Plant - drawing
- 3727 -50 Population map
- 3728 -49 Northern states power - map
- 3729 -48 St. Paul steamplant
- 3730 -47 St. Paul powerhouse
- 3731 -46 St. Anthony
- 3732 -40 Riverside - Minneapolis
- 3733 -17 Yellowstone - upper falls
- 3734 -35 Jim Falls - tainter gates
- 3735 -30 St. Croix River - profile
- 3736 -8 Map - west (cracked)
- 3737 -12 Yellowstone - falls
- 3738 -26 Valley of the St. Croix, Minn.

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Drawer 51 (cont.):

Water Power (cont.)

- 3739 3.1-20 Yellowstone - hot springs
- 3740 -19 Yellowstone - lake

- 3741 -18 Yellowstone - lower falls
- 3742 -36 Jim Falls - penstock & intake
- 3743 -9 Keetle River - map
- 3744 -7 St. Croix River - hydrograph
- 3745 -6 St. Croix River - hydrograph

Irrigation

- 3746 2.16-36 Iowa 1916
- 3747 3.1-41 Coon Rapids
- 3748 2.16-33 Gates - Colorado
- 3749 -32 Canal - Colorado const.
- 3750 -25 Solomon's Pools, Bethlehem, Palestine
- 3751 -23 Olive Bridge Dam - camp
- 3752 -22 Olive Bridge Dam - office
- 3753 -21 Olive Bridge Dam - camp
- 3754 -31 Canal - Colorado
- 3755 -15 Aquaduct - plan
- 3756 -14 Ashokan Reservoir - map - NY
- 3757 -11 New Croton Dam (cracked) NY
- 3758 -5 Olive Bridge Dam - foundation
- 3759 -3 Sources of water - NYC - map
- 3760 -2 Graph - water consumption 1905
- 3761 -1 Graph - supply & consumption - NYC
- 3762 -13 Earth dikes - const.
- 3763 -24 Italian laborers camp
- 3764 -37 Scrapers
- 3765 -40 Graph - rainfall
- 3766 Construction - 1911
- 3767 Dredge ditch
- 3768 2.16-28 Irrigation - project - Colorado
- 3769 4.1-1 Galveston Sea Wall
- 3770 4.11-9 Baton Rouge - flood 1927
- 3771 2.16-41 Hartwell levee drainage dist. - IL (Greene Co. ?)
- 3772 -43 Aquaduct, Guadalupe, Mexico
- 3773 680 McKay Dam
- 3774 2.16-19 Aquaduct forms (cracked)
- 3775 Dam views
- 3776 Plan
- 3777 2.16-16 Plan - draft tube
- 3778 -30 Irrigation canal, CO
- 3779 -20 Aquaduct in rock
- 3780 -17 Aquaduct base
- 3781 -6 Olive Bridge Dam foundation
- 3782 -7 Construction
- 3783 -8 Construction
- 3784 -9 Const. - Olive Bridge Dam
- 3785 -10 Const. - Olive Bridge Dam

3786 -12 Section of dike
3787 -35 Irrigation project, CO
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Drawer 51 (cont.):

Irrigation (cont.)

3788 -34 Irrigation project, CO
3789 3.1-58 American Falls Dam, Idaho
3790 -51 St. Croix Falls - Wis. - Minn.
3791 3.8-103 Black Canyon Dam, Idaho
3792 -78 Queenston - Chippewa powerhouse - const. (cracked)

Irrigation & Water Power

3793 3.8-83 Turlock (?) Dam, CA
3794 -81 Propeller
3795 3.1-60 Siphon drop
3796 1475 Shoshone Dam & powerhouse
3797 182 Grand Valley Dam
3798 1196 Gibson Dam
3799 502 Lower Yellowstone Dam
3800 628 Boise River Dam
3801 66 Strawberry - spillway
3802 558 Tieton - tunnel
3803 283 Strawberry - flume
3804 3.8-66 Breast wheel - drawing
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3806 80-3 Boulder Dam
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