
Inventory of the Pacific Fruit Express Company Collection, 1906-1989

Collection number: MS 49

California State Railroad Museum Library

Sacramento, California

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Descriptive Summary

Title: Pacific Fruit Express Company Collection,

Date (inclusive): 1906-1989

Collection number: MS 49

Creator: Pacific Fruit Express Company

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Sacramento, California 95814

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Pacific Fruit Express Company

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Collection Description

A preliminary finding aid has been prepared. The finding aid will be expanded to include unprocessed material. This material has been arranged in the following series:

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- 1. AUTHORITIES FOR EXPENDITURES (AFE)
 - 2. CAR SERVICE ACCOUNTS
 - 3. SPECIFICATIONS, BILLS OF MATERIALS AND DRAWING INDEXES
 - 4. SCHEDULES
 - 5. SPECIFICATIONS
 - 6. INDEXES TO SPECIFICATIONS
 - 7. DEPARTMENTAL FILES:
 - CAR DEPARTMENT
 - MECHANICAL ENGINEERING
 - 8. SUBJECT FILES
 - 9. BY CORPORATE NAME
 - 10. PHOTOGRAPHS

Historical Background

The Pacific Fruit Express Company (PFE) was incorporated in 1906 and began operations the following year. A joint project of the Edward H. Harriman-controlled Southern Pacific and Union Pacific railroads, the PFE handled shipments of vegetables, fruit and other perishables primarily from western growing areas to markets in the northern and eastern states. At its height, the company had a total of almost 41,000 ice refrigerator cars. To service these, the PFE operated a number of ice plants and docks, as well as car and repair shops throughout the west. After World War II, the number of cars owned by the company declined, although their size increased. Mechanical refrigerators began supplanting the older ice bunker cars. By 1972 the ice cars had been totally replaced. Joint ownership between Southern Pacific and Union Pacific ended in 1978, with the two railroads dividing the rolling stock and SP keeping the Pacific Fruit Express name.

AUTHORITIES FOR EXPENDITURES

Additional Note

Ledger containing authorities for expenditures (AFEs) for betterments and improvements to the company facilities and acquisition of rolling stock, September 1907 to July 1911. AFEs include costs and descriptions of the types of betterments or improvements for ice plants and docks and other facilities at the following locations: California: Brawley, Colton, Los Angeles, Portola, Roseville; Nevada: Carlin, Las Vegas, Moapa; Idaho: Nampa; Utah: Milford; Oregon: North Powder.

CAR SERVICE ACCOUNTS

Car Service Account ledger, 1910-1912, arranged alphabetically by railroad.

File 0-3-11. File on the history and operations of the Pacific Fruit Express Company, consisting of memoranda, reports and typescripts of addresses delivered by company officials, 1939-1977.

SPECIFICATIONS, BILLS OF MATERIALS AND DRAWING INDEXES

R-30-4, R-30-8

Specification for general repairs to cars [with R-40-4, R-40-8]. Oct. 12, 1950 / Jan. 15, 1952.

Bill of material for general repairs [with R-40-4, R-40-8]. Oct. 12, 1950 / Jan. 15, 1952.

Group index to drawings for PFE general repair [with R-40-4, R-40-8]. n.d.

R-30-13, R-30-14

Group index of drawings. n.d.

R-30-16, R-40-16

Specification and bill of material for general repairs. Oct. 5, 1954 / Dec. 9, 1954.

Group index to drawings for PFE refrigerator cars. Jan. 24, 1954.

R-30-18, R-40-18

Specification and bill of material for rebuild cars. Dec. 1, 1941.

Bill of material. Trucks. n.d.

Standard bill of material for manufactured items. Dec. 1, 1941.

Specifications for application of fans and repairs to cars. Sept. 11, 1953.

Group index to drawings for PFE refrigerator cars. n.d.

R-30-19, R-40-19

- Specifications and bill of material for general repairs to cars. Nov. 5, 1954 / Dec. 10, 1954.
Group index to drawings for PFE refrigerator cars. n.d.
- R-30-21, R-40-21
Group index to drawings for PFE refrigerator cars. Aug. 9, 1951.
- R-30-24, R-40-24 (First quota)
Specification and bill of material for rebuild cars ... series 65921-67420. Jun. 1, 1947 / Sept. 15, 1947.
Group index of drawings ... series 65921-67420. n.d.
- R-30-24, R-40-24 (Second Quota)
Bill of material for rebuild cars ... series 67421-68550. Aug. 1, 1947 / Oct. 1, 1948.
Group index of drawings
- R-40-4, R-40-8
Specification for general repairs to cars [with R-30-4, R-30-8]. Oct. 12, 1950 / Jan. 15, 1952.
Bill of material for general repairs [with R-30-4, R-30-8]. Oct. 12, 1950 / Jan. 15, 1952.
Group index of to drawings for PFE general repair [with R-30-4, R-30-8]. n.d.
- R-40-8
Specification No. 71 for an 80000 pound capacity refrigerator car ... Apr. 8, 1931 / Oct. 28, 1932. [Paper negative]
- R-40-10
Bill of material for conversion of cars in Class BR-40-10 [sic] to cars for operation in passenger train service, 901-950. Jan. 2, 1953.
Group index of drawings. Jan. 27, 1953 [2]
Bill of material for modification to top ice and dry lading of 100 cars. Feb. 7, 1963 / May 29, 1963.
Specification ... to convert mechanical fans to electric fans model P 53 1 ... 40001-44700. n.d.
Standard bill of materials for manufactured items. Mar. 3, 1936 / Jan. 27, 1954.
Specification for general repairs. Oct. 5, 1950 / Dec. 7, 1953
Group index of drawings. n.d.
Bill of material for general repairs. n.d.
Index to drawings for mechanical fan conversion. n.d.
- R-40-10-14-20
Bill of material for limited general repairs. Aug. 15, 1963; Oct. 1, 1963.
- R-40-14, R-40-20
Specifications and bill of material for general repairs to cars. Jan. 12, 1959.
- R-40-14
Standard bill of material ... 44701-45700, built by Pacific Car and Foundry Company, Renton, Washington. Nov. 9, 1942.
Group index of drawings. n.d.
- R-40-14 (Alcoa Aluminum)
Group index of drawings ... 80,000 pound capacity aluminum sheathed wood lined refrigerator car. n.d.
- R-40-14 (Reynolds Aluminum)
Group index of drawings ... 80,000 pound capacity alum sheathed wood lined refrigerator car. n.d.
- R-40-15 (Dry Ice)
Bill of material to convert cars in class R-40-16 to R-40-15 Dry Ice Cars, Series 99041-99052. Rev. May 17, 1955.
Bill of material for conversion of existing cars class R-30-16 to cars class R-30-15 for shipment of dry ice. May 23, 1947.
Group index to drawings for R-30-40-16 dry ice cars. n.d.
- R-40-20
Bill of material. Sept. 20, 1948.
Group index of drawings. n.d.
- R-40-23
Specification for modification of car and application of ice control temperature in cars. Sept. 23, 1960 / Jan. 9, 1960.
Bill of material for modification and repairs to cars and application of ice temperature control in cars. Oct. 5, 1960 / Mar. 15, 1961.
Index to drawing. n.d.
Bill of material for modification and repairs of car and application of ice control temperature in cars. Oct. 5, 1960 / Feb. 20, 1961.

- Bill of material for modification and repairs of car and application of ice control temperature in cars. Oct. 5, 1960 / Jan. 5, 1961.
- Bill of material for cars ... Series 35001-35100. Jun. 14, 1965 / Aug. 3, 1965.
- Bill of material ... Series 35101-35500. n.d.
- Bill of material. n.d.
- Group index of drawings for ... refrigerator car series 5001-8000 & 46703-48702. n.d.
- Bill of material. Limited heavy repairs 800 cars - 1965 program. Mar. 31, 1965.
- R-40-23 "Polarstream"
- Bill of material. Liquid nitrogen refrigerator. "Polarstream", Series 1001-1015. Apr. 26, 1965 / May 5, 1965.
- Drawing index. Series 1001-1015. n.d.
- R-40-25, R-40-26
- Bill of material and drawing index for R.C. program 1969 and 1970.
- Bill of material ... R-40-25, series 2001-5000. Nov. 24, 1948 / Jun. 9, 1950.
- Group index to drawings for ... refrigerator cars class R-40-25. n.d.
- R-40-26
- Bill of material ... series 8001-10000. Aug. 15, 1950 / Mar. 12, 1952.
- Group index to drawings for ... refrigerator cars. Jun. 28, 1951 / Sept. 21, 1951.
- Specification No. 74-K for ... 80,000-lb. capacity steel sheathed wood lined refrigerator car ... Aug. 15, 1950 / Jun. 28, 1951.
- R-40-27
- Specification No. 74-Q for ... 80,000-lb. capacity steel sheathed, wood lined, refrigerator cars ... Nov. 18, 1955 / Dec. 3, 1956.
- Group index to drawings. n.d.
- Bill of material ... series 10001-11700. Apr. 13, 1956 / Jan. 21, 1957. (2 copies, one bound)
- Group index to drawings, R-40-27, R-40-28. n.d.
- R-40-28
- Bill of material ... series 11701-11800. Oct. 20, 1956.
- Group index to drawings. n.d.
- Bill of material ... series 11701-11800. Oct. 20, 1956. [Bound with Specification No. 74-Q]
- Specification No. 74-Q for ... 80,000-lb. capacity ... refrigerator cars class R-40-27 & R-40-28... Nov. 18, 1955 / Dec. 3, 1956. [Bound with Bill of material... 11701-11800]
- R-40-29
- Bill of material. Mechanical refrigerator car. No. 100001. Jun. 14, 1957.
- Index to drawings. n.d.
- R-40-30
- Bill of material ... series 100003-100502. Apr. 1, 1958.
- Group index to drawings. n.d.
- Specification No. 76 for ... 80,000-lb capacity ... refrigerator car with diesel-electric mechanical refrigeration. Jul. 1, 1957.
- R-50-5
- Bill of material ... series 200479-200587. Third quota. Mar. 4, 1947 / Jun. 12, 1948.
- Group index of drawings. n.d.
- R-50-6
- Bill of material ... series 300713-301212. May 2, 1957 / Nov. 4, 1957.
- Index to drawings. n.d.
- Specification No. 75 for ... 100,000-lb capacity steel sheathed with diesel-electric mechanical refrigeration. Jul. 1, 1957 / Dec. 27, 1957.
- R-70-5 (First quota)
- Bill of material ... series 200126-200200. Aug. 24, 1951 / Jun. 5, 1952.
- Group index to drawings. n.d.
- Specification No. 74-L for ... 120,000-lb capacity steel sheathed, plywood lined ... refrigerator car. Sept. 1, 1951 / Apr. 4, 1952.
- R-70-5 (Second quota)
- Bill of material ... series 200601-200700. Jun. 19, 1953 / Aug. 8, 1953.
- Group index to drawings. n.d.
- Specification No. 74-L for ... 135,000-lb capacity steel sheathed ... refrigerator car. Dec. 1, 1953.
- Schedule No. 21 & No. 22

- R-70-5 (Meat)
 Bill of material for modification to meat service of cars. Feb. 27, 1961 / Mar. 3, 1961. [Includes index to drawings] (2)
 Specification for converting cars to mechanical refrigerator cars. Aug. 15, 1955.
 Bill of material for conversion of cars to mechanical refrigerator cars, series 300338-300387. Aug. 17, 1955 / Oct. 13, 1955.
 Bill of material for conversion of cars to mechanical refrigerator cars, series 300388-300512. Oct. 13, 1955 / Dec. 1, 1955.
 Group index to drawings. n.d.
 [Miscellaneous loose materials, includes incomplete bill of material].
- R-70-6
 Bill of material for mechanical refrigerator cars, series 300126-300137. May 1, 1954 / Jun. 25, 1954. [Includes Group Index to Drawings].
 Schedule No. R-20-F, Fiber board used in roof. Aug. 20, 1952 / Sep. 25, 1953.
- R-70-6, R-70-7, R-70-8
 Schedule No. R-20-F, Fiberboard used in roof. Aug. 20, 1952 / Sep. 25, 1953
- R-70-6, R-70-8
 Schedule No. P-3-G, Pressed wood. Sep. 25, 1953 / Nov. 24, 1953
- R-70-7
 Specifications for mechanical refrigeration systems... Feb. 1, 1953.
 Bill of material for cars in class R-70-7F (Frigidaire) series 300001-300014. Apr. 24, 1953.
 Group index to drawings. n.d.
- R-70-7 (Trane)
 Bill of material ... series 300015-300025 (Trane). Sep. 2, 1952 / Jun. 1, 1953.
 Group index to drawings. n.d.
- R-70-8
 Bill of material for A and B 5785. 1971. [Includes drawing index]
 Bill of Material. Revised Dec. 21, 1953.
 Bill of material series 300026-300125. n.d. [Includes drawing index].
 Bill of material for mechanical refrigerator cars ... series 300026-300125. Sept. 30, 1953 / Apr. 26, 1954.
 [Includes Drawing index, incomplete].
 Group index to drawings. n.d.
 Specification No. 74-M for ... 130,000 capacity steel sheathed ... refrigerator car. Dec. 1, 1953.
 Schedule No. 23. n.d.
 Schedule No. 24. n.d.
 Allocation of Specialities. Aug. 28, 1953
 Misc. schedules [includes APW-1, PW-1-M, W-58, R-58, F 58] Aug. 18, 1953 / Nov. 10, 1953.
- R-70-8-F
 Estimated cost of 120,000 pound capacity steel sheathed refrigerator car ... in accordance with specification No. 74-M. Aug. 13, 1953.
 Estimated cost of 120,000 pound capacity steel sheathed refrigerator car ... in accordance with specification No. 74-M. Aug. 13, 1953 / Sep. 23, 1953.
 Schedule No. P-1-J, reflective insulation paper. Aug. 25, 1953.
- R-70-9
 Bill of material for A and B 5785 1971. Series 250138-250287. n.d. [Includes Drawing index].
 Bill of material, series 300138-300152. n.d. [Includes Drawing index].
 Specification No. 74-N for ... 130,000-lb capacity ... refrigerator car ... Aug. 16, 1954.
 Bill of material ... series 300138-300287. Aug. 12, 1954 / Jun. 10, 1955.
 Group index to drawings. Jan. 17, 1955 / Jun. 10, 1955.
 Bills of material: A and B 5785. 1971. Series 250138-250287. n.d. [Includes Drawing index]; A and B 5785. 1971. Series 250288 - 250337. n.d. [Includes Drawing index].
 Misc. schedules [includes P-3-J, F-58, P-1-J, R-60, W-60, R-20-G, PW-1-P]. Aug. 18, 1953 / Jun. 10, 1955.
 Bill of material to A and B 5785 1971, series 250288-250337. n.d. [Includes Drawing index].
 Schedule No. 25 ... under frames .. for refrigerator cars. Jul. 28, 1954.
 Schedule No. 26 ... side sheathing and framing .. for refrigerator cars. Jul. 27, 1954.
 Estimated cost of 120,000 pound capacity steel sheathed refrigerator car ... in accordance with specification No. 74-N. Sep. 1, 1954.

Bills of material A and B 5435 1970. Not dated [Includes miscellaneous schedules and index to drawings].
Series 300138 - 300287. Aug. 12, 1954 / Jun. 10, 1955. [Includes miscellaneous schedules and index to drawings].

R-70-9 (Carrier)

Bill of material for mechanical refrigerator cars with carrier units ... series 300288-300337. Mar. 15, 1955.
[Includes misc. schedules].
Group index to drawings. n.d.

R-70-8, R-70-9

Bill of material for GMO 9129. 1972-73. n.d.

R-70-10

Specification No. 74-P for ... 130,000-lb capacity ... refrigerator car. Nov. 18, 1955.
Bill of material to convert cars ... to meat cars. n.d.
Bill of material for GMO 9129 1972-73. n.d.
Bill of material ... series 300513-300712. Jan. 10, 1956 / Mar. 1, 1957.
Group index to drawings. n.d.

R-70-11

Specification No. 77 for ... 120,000-lb capacity ... refrigerator car with mechanical refrigeration. Oct. 29, 1958 / Jan. 26, 1962.
Bill of material ... series 350001-350025. Nov. 8, 1960 / Jun. 15, 1961. (2 copies, one is bound volume)
Group index to drawings. n.d.

R-70-12

Bill of material for A and B 5947 1972. Series 351213-352201. n.d.
Specification No. 78 for ... 120,000-lb capacity ... refrigerator car. Apr. 20, 1959 / Nov. 17, 1961. (2 copies)

R-70-13

Bill of material for GMO 9132 & 9134. Series 450001-450500. Feb. 15, 1973.
Drawing index. Not dated.
Bill of material ... series 450501-451000. Jul. 16, 1973.
Bill of material ... series 450001-450500. Nov. 27, 1963.
Drawing index. Series 450001-451000. n.d.
Cover sheets for bill of material ... series 450001-451000. n.d.
Specification for repairs to cars. Feb. 20, 1973.
Specification for repairs to cars ... GMO-10-9134, GMO-10-9141. Feb. 20, 1973 / Mar. 1, 1974.
Bill of material ... series 450501-451000. n.d. p. 1-32
Bill of material ... series 450501-450650. n.d. p. 33-34.
Bill of material ... series 450651-450800. n.d. p. 35.
Bill of material ... series 450801-451000. n.d. p. 36-37.
Bill of material ... series 450501-451000. n.d. p. 38-39.
Bill of material ... series 450501-450700. n.d. p. 40.
Bill of material ... series 450701-451000. n.d. p. 41-42.
Bill of material ... series 450501-450650. n.d. p. 43-48.
Bill of material ... series 450651-450800. n.d. p. 49-53.
Bill of material ... series 450801-451000. n.d. p. 54-58.
Bill of material ... series 450501-451000. n.d. p. 59-end.
Specification PC 11. Series 450501-451000. Sep. 17, 1963.
Pacific Car and Foundry Company. Car builders specification, PC 10. Sep. 17, 1963.
Bill of material. Series 450001-451000. 1976. (through p.60)
Bill of material. Series 450001-451000. 1976. (p.61 to end)
Bill of materials. Series 450500-451000 50 ft. 70 ton mechanical refrigerator cars, File 6578, Order 62-27285
[Box 12]
Bill of materials, Series 450001-450500, 50 ft. 70 ton mechanical refrigerator cars, 1962-1963. [Box 12]

R-70-14

Bill of material ... series 451001-452000. n.d. (through p.41)
Bill of material ... series 451001-452000. n.d. (p.42 to end)
Drawing index. n.d.
Specification PC 12. Series 451001-451500. Oct. 14, 1963.
Specification GMO-9142. Jan. 28, 1975.
Specification GMO-9142. Apr. 15, 1974.

Bill of material for GMO 9140 & 9142. Series 451001-452000. May 1, 1974 / Sept. 9, 1974.

Drawing index. n.d.

Cover sheets for Bills of materials for series 451501-452000, GMO 9140 & 9142 series 451001- 452000, series 451001-451500, series 451501-452000. Mar. 1, 1965 / Apr. 20, 1965.

Bill of material. n.d.

Bill of materials. Series 451001-451500, 50 foot, 70 ton mechanical refrigerator cars, File 6605, SO 62-28333. 1963-1964.

Bill of materials. Series 451501-452000, 50 foot, 70 ton mechanical refrigerator cars, File 6607, SO 62-28367. 1963-1964.

R-70-15

Bill of material. Series 452001-45300. Mar., 1977 / Jan., 1979.

Drawing index. n.d.

R-70-16

Specification No. 90 for Pacific Fruit Express Company 130,000 pound capacity steel-sheathed refrigerator car, Class R-70-16 with mechanical refrigeration. May 14, 1965 / Dec. 1, 1965.

R-70-15

Bill of Material. 50-Foot, 70-Ton Mechanical Refrigerator Car. Union Pacific Series 452001- 452750. Sept. 3, 1964 - Jan. 4, 1965.

Bill of Material. 50-Foot, 70-Ton Mechanical Refrigerator Car. Southern Pacific Series 452751- 453500. Sept. 21, 1964 - Feb. 3, 1965.

R-70-16

Bill of Material. 50-Foot, 70-Ton Mechanical Refrigerator Car. Series 453501-454500. May 10, 1965 - Nov. 12, 1965.

Bill of Material. 50-Foot, 70-Ton Mechanical Refrigerator Car. Series 454501-455500. Jul. 9, 1965 - Feb. 16, 1966.

R-70-15, R-70-16, R-70-18

Bill of Material . . . series 453491-453500, 454401-454500, 456001-456250. Side door. Landis door replacement, door arrangement RR-9650. n.d. (3 copies)

R-70-16

Specification for 130,000 lb. capacity steel sheathed refrigerator car . . . Dec. 28, 1965. (2 copies)

Bill of Material. Series 453501-455500. May 22, 1967. [Includes Drawing Index]

Bill of Material. Series 453501-454500. n.d. [Includes Drawing Index]

R-70-17

Bill of Material. 50-Foot, 70-Ton Mechanical Refrigerator Cars. Series 455501-456000. Apr. 18 - Nov. 1, 1966.

R-70-18

Specification for 130,000 lb. capacity steel sheathed refrigerator car . . . Mar. 31, 1967 / Nov. 6, 1967.

Bill of Material. Series 456001-456500. Fuel tank. Feb. 5, 1968. [Includes Drawing Index]

Bill of Material. 50-Foot, 70-Ton Mechanical Refrigerator Cars. Series 456001-456500. May 3, 1966 - Jun. 12, 1967.

R-70-19

Specification for 130,000 lb. capacity steel sheathed refrigerator car . . . Jul. 22, 1968

Bill of Material. Series 456701-456900. n.d. [Includes Drawing Index]

Bill of material. Series 45601-456700. [Box 12]

R-70-20

Bill of Material. Jul. 10, 1969. [Includes Drawing Index]

Bill of Material. Series 458701-459300. Aug. 10, 1970. [Includes Drawing Index]

Cover sheets for bill of material. Series 456901-457500. n.d.

R-70-21

Bill of materials. Series 458101-458700. Aug. 1, 1970. [Box 12]

R-70-22

Specification for 130,000 lb. capacity steel sheathed refrigerator car . . . series 459301-459400. Jan. 4, 1971.

Bill of Material. Sept. 18, 1970. [Includes Drawing Index]

Cover sheets for bill of material. Series 459301-459400. n.d.

R-70-23

Bill of materials. Series 459401-459500. September 22, 1970. [Box 12]

R-70-24

Specification for 130,000 lb. capacity steel sheathed refrigerator car . . . Mar. 3, 1971.

Specification for 130,000 lb. capacity steel sheathed refrigerator car . . . Nov. 9, 1971.

Bill of Material. Aug. 25, 1971. [Includes Drawing Index]

R-70-24, R-70-25

Specification No. 103 for . . . 130,000 lb. capacity steel-sheathed refrigerator car . . . Sep. 14, 1970.

R-70-25

Bill of materials. Series 460101-460700. June 2, 1975.

Ice refrigerator cars, 1906-1932. Prototype specification-Diagrams. No. 1. 1978. Compiled by Phil Da Costa. 32 pages

Index to PFE refrigerator cars. 2 vols. Classes R-30-9 - R-70-10. [Reduced copies of PFE diagrams and drawing indexes, arranged by class]

Car specialties, originally applied to refrigerator cars. 1920. [Diagrams and drawing indexes]

Drawing indexes. Two series, apparently different: Nos. 1000 - 6999. Some with R prefix, others with numbers only

One bound volume "Engineering Department, Index of Drawings, Nos. 100 to 7000, most with miscellaneous letter prefixes. + photocopy of same.

SCHEDULES

No. RE-1 Refrigeration Unit for . . . Refrigerator Cars. May 20, 1957.

No. RE-2 Refrigeration Unit for . . . Refrigerator Cars. May 21, 1957.

No. RE-3 Power Plant for . . . Refrigerator Cars. May 21, 1957.

No. RE-4 Refrigeration Unit for . . . Refrigerator Cars. May 31, 1960.

No. RE-5 Power Plant for . . . Refrigerator Cars. Mar. 30, 1960. (3 copies)

No. RE-6 Testing Mechanical Refrigeration Equipment in Refrigerator Cars. Jan. 7, 1965.

No. RE-6A Testing Mechanical Refrigeration Equipment in Refrigerator Cars. Feb. 18, 1965.

No. RE-7A Nickel Cadmium Batteries for . . . Mechanical Refrigerator Cars. Jun. 9, 1964.

No. RE-7B Nickel Cadmium Batteries for . . . Mechanical Refrigerator Cars. Jan. 7, 1972.

No. RE-7C Nickel Cadmium Batteries for . . . Mechanical Refrigerator Cars. May 17, 1974.

No. RE-8 Ice-Tempco System for . . . Refrigerator Cars. Nov. 14, 1960.

No. RE-9 Mechanical Refrigeration System for . . . 40' Semi-Trailers. Apr. 24, 1961.

No. RE-9A Mechanical Refrigeration System for . . . 40' Semi-Trailers. May 14, 1962.

No. RE-9B Mechanical Refrigeration System for . . . 40' Trailers/Containers. Dec. 27, 1963.

No. RE-9C Mechanical Refrigeration System for . . . 40' Trailers/Containers. Mar. 3, 1964.

No. RE-9D Mechanical Refrigeration System for . . . Tempco-Van Trailers/Containers. Dec. 28, 1964.

No. RE-9E Mechanical Refrigeration System for . . . Tempco-Van Trailers/Containers. Dec. 27, 1965.

No. RE-9F Nose-mount Mechanical Refrigeration System for Tempco-Van Trailer/Container-on-Flat-Car Service. Nov. 1, 1966.

No. RE-10 Refrigeration Unit for . . . Mechanical Refrigerator Cars. May 10, 1962.

No. RE-10A Refrigeration Unit for . . . Refrigerator Cars. Aug. 1, 1968.

No. RE-11 Power Plant for . . . Mechanical Refrigerator Cars. May 10, 1962.

No. RE-11A Power Plant for . . . Mechanical Refrigerator Cars. Aug. 1, 1968.

No. RE-12 Rectifier Type Battery Charger. Aug. 29, 1963.

No. RE-12B Rectifier Type Battery Charger, Nickel Cadmium Service. Sept. 28, 1964.

No. RE-12C Rectifier Type Battery Charger, Nickel Cadmium Service. Jan. 8, 1965.

No. RE-12D Rectifier Type Battery Charger. Jun. 2, 1969.

No. RE-12E Rectifier Type Battery Charger. Nov. 17, 1970.

No. RE-12F Rectifier Type Battery Charger for . . . Mechanical Refrigerator Cars. Apr. 19, 1974.

No. RE-13B Thermometer for . . . Refrigerated Cars & Trailers. Mar. 3, 1964.

No. RE-13C Thermometer for . . . Refrigerated Cars & Trailers. Jan. 1, 1965.

No. RE-13D Thermometer for . . . Refrigerated Cars & Trailers. Nov. 6, 1969.

No. RE-13E Thermometer for . . . Refrigerated Cars & Trailers. Nov. 24, 1972.

No. RE-13F Thermometer for . . . Mechanical Refrigerator Cars. May 15, 1974.

No. RE-13G Digital Thermometer for . . . Mechanical Refrigerator Cars. Aug. 20, 1982.

No. RE-14 Alternator. Jun. 12, 1964.

No. RE-15 Testing Mechanical Refrigeration Equipment, Tempco-Van Refrigerated Trailers/Containers. Dec. 24, 1964.

No. RE-15 Testing Mechanical Refrigeration Equipment, Tempco-Van Refrigerated Trailers/Containers. Oct. 24, 1966.

-
- No. RE-16 High-Low Refrigerant Pressure Switch. Feb. 18, 1965.
No. RE-17 Radiators for Diesel Engines Used on . . . Refrigerator Cars. Data Sheet only. Feb. 9, 1965.
No. RE-18 Undermount Mechanical Refrigeration System for . . . Tempco-Van Trailer-on- Flat-Car Service. Oct. 28, 1966.
No. RE-19 Material and Procedure for Winding Hermetic Motors. Sept. 27, 1966.
No. RE-20 Mechanical Refrigeration System for Tempco-Van Trailers. Sept. 7, 1967.
No. RE-21 Testing Mechanical Refrigeration Equipment, Tempco-Van Refrigerated Trailers/Containers. Sept. 7, 1967.
No. RE-22 Evacuation Procedures. Sept. 20, 1967.
No. RE-23 Testing Mechanical Refrigeration Equipment, Railway Refrigerator Cars. Mar. 14, 1968.
No. RE-23 Installation and Performance Check, Railroad Car Mechanical Refrigeration Equipment. Nov. 17, 1970.
No. RE-24 Repair Procedure for Preco Electric Fan Alternators. Jun. 30, 1969.
No. RE-25 Lead-Acid Batteries for . . . Mechanical Refrigerator Cars and Trailers. Dec. 15, 1971.
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No. RE-26 and Drawings, Refrigeration Unit for . . . Mechanical Refrigerator Cars. Nov. 2, 1970.
No. RE-26A Refrigeration Unit for . . . Mechanical Refrigerator Cars. May 14, 1974.
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No. EM-1 Foam Dispensing System for Insulating . . . Refrigerated Vehicles. May 15, 1962.
No. EM-2 Foam Dispensing System for Insulating . . . Refrigerated Vehicles. Jul. 25, 1963.
No. EM-3 Foam Dispensing System for Insulating . . . Refrigerated Vehicles. Jul. 22, 1963.
No. 10-A??? Specification No. 10-A, Covering General Construction of Freight Equipment. Jul. 9, 1963.

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- No. 79 40 foot aluminum tandem axle semi-trailer insulated van for trailer-on-flat-car service with diesel powered mechanical refrigeration. Apr. 24, 1961.
No. 80 85 foot 70-ton flat car Series 53700-53799 for highway motor trailer hauling service. Jan. 2, 1962.
No. 81 85 foot 70-ton flat car for highway motor trailer hauling service. Jan. 5, 1962.
No. 82 130,000 pound capacity steel sheathed refrigerator car, Class R-70-13 with mechanical refrigeration. Mar. 12, 1962; revised Apr. 20, 1962.
No. 82-A 133,000 pound capacity steel sheathed refrigerator car, Class R-70-13 with mechanical refrigeration. Mar. 12, 1962, revised Nov. 16, 1962.
No. 83-A 40 foot tandem axle semi-trailer insulated van for trailer-on-flat-car service with diesel powered mechanical refrigeration. Oct. 17, 1962.
No. 84 89 foot 70-ton flat car for Class F-70-3 highway motor trailer hauling service. Apr. 10, 1963.
No. 84-C 89 foot 70-ton flat car, Class F-70-30 for highway motor trailer hauling service. Apr. 10, 1963; revised Dec. 31, 1963.
No. 84-D 89 foot 70-ton flat car, Class F-70-30 for highway motor trailer hauling service. Oct. 1, 1964.
No. 85 130,000 pound capacity steel sheathed refrigerator car, Class R-70-14 with mechanical refrigeration. Oct. 1, 1963.
No. 86 40 foot tandem axle container type insulated Trailer for Trailer-on-Flat-Car Service with Diesel Powered Mechanical Refrigeration. Dec. 26, 1963.
No. 86-A 40 Ft. Tandem Axle Insulated Trailer/Container for Trailer-on-Flat-Car Service with Diesel Powered Mechanical Refrigeration. Revised Mar. 4, 1964.
No. 86-B Tempco-Van 40 Ft. Tandem Axle Insulated Trailer/Containers with Diesel Powered Mechanical Refrigeration for Trailer-on-Flat-Car Service. Dec. 28, 1964.
No. 87 24 Foot Insulated Container for Rail, Ship, and Highway Service. Feb. 3, 1964.
No. 88 130,000 pound Capacity Steel Sheathed Refrigerator Car, Class R-70-15 with Mechanical Refrigeration. Nov. 9, 1964, revised Jan. 20, 1965.
No. 88-A 130,000 pound Capacity Steel Sheathed Refrigerator Car, Class R-70-15 with Mechanical Refrigeration. Jun. 1, 1964.
No. 88-B 130,000 pound Capacity Steel Sheathed Refrigerator Car, Class R-70-15 with Mechanical Refrigeration. Nov. 9, 1964.
No. 88 Pacific Car and Foundry Company . . . 130,000 lb. Capacity Steel Sheathed Refrigerator Car with Mechanical Refrigeration & Hydra-Cushion Underframe. R-70-15. Apr. 2, 1965.
No. 89 89 foot 70-Ton Flat Car for Class Highway Motor Trailer Hauling Service. Dec. 29, 1964.

- No. 90 130,000 pound Capacity Steel-Sheathed Refrigerator Car, Class R-70-16 with Mechanical Refrigeration. May 14, 1965; revised Dec. 1, 1965.
- No. 91 89 foot 70-Ton Flat Car, Class F-70-31 Highway Motor Trailer Hauling Service. Dec. 29, 1965; revised Feb. 14, 1966; Apr. 1, 1966.
- No. 92 Tempco-Van 40 Foot Tandem Axle Insulated Trailer/Containers with Diesel Powered Mechanical Refrigeration for Trailer-on-Flat-Car Service. Dec. 28, 1965; revised Apr. 1, 1966.
- No. 93 130,000 pound Capacity Steel-Sheathed Refrigerator Car, Class R-70-17 with Mechanical Refrigeration. Feb. 18, 1966; revised Apr. 20, 1966.
- No. 94 130,000 pound Capacity Steel-Sheathed Refrigerator Car, Class R-70-18 with Mechanical Refrigeration. Feb. 18, 1966, revised Apr. 20, 1966.
- No. 95 Tempco-Van 40 foot Tandem Axle Insulated Trailer with Diesel Powered Mechanical Refrigeration for Trailer-on-Flat-Car Service. Oct. 28, 1966.
- No. 96 Tempco-Van 40 Foot Tandem Axle Insulated Trailer/Containers with Diesel Powered Mechanical Refrigeration for Trailer-on-Flat-Car Service. Oct. 28, 1966.
- No. 97 Tempco-Van 40 Foot Tandem Axle Insulated Trailer with Meat Rails and Diesel Powered Mechanical Refrigeration for Trailer-on-Flat-Car Service. Sep. 7, 1967.
- No. 98 130,000 pound Capacity Steel-Sheathed Refrigerator Car, Class R-70-19Keystone with Mechanical Refrigeration. Oct. 10, 1967; revised Jul. 12, 1968.
- No. 99 130,000 pound Capacity Steel-Sheathed Refrigerator Car, Hyrda Cushion, Class R-70-19, with Mechanical Refrigeration. Oct. 10, 1967; revised Jul. 12, 1968.
- No. 100 130,000 pound Capacity Steel-Sheathed Refrigerator Car with Mechanical Refrigeration, Class R-70-20. Aug. 1, 1968; revision A Oct. 16, 1968.
- No. 103 130,000 pound Capacity Steel-Sheathed Refrigerator Car with Mechanical Refrigeration, Class R-70-24, R-70-25. Sep. 14, 1970.

INDEXES TO SPECIFICATIONS

- No. 100 Cattle hair insulation
- No. 101 Cattle hair - jute fiber insulation
- No. 102 Textile glass fiber insulation
- No. 103 Textile glass wool - rayon insulation
- No. 104 Hog hair insulation
- No. 105 Mineral wool insulation
- No. 106 Cotton fiber insulation
- No. 107 Foamed rubber hardboard insulation
- No. 108 Rigid foamed plastic insulation
- No. 109 Multi-layer air insulation
- No. 110 Laminated panel insulation
- No. 111 Glass wool insulation
- No. 112 Insulation shakedown tests
- No. 113 Fiber insulation board
- No. 114, 114A Rigid foamed plastic insulation expanded bead
- No. 115 Polyurethane foam-in-place insulation
- No. 200 Insulation paper
- No. 201 Reflective insulation paper
- No. 202 Film insulation cover and vapor barrier
- No. 203A & 203B Air duct material
- No. 204 Air duct material
- No. 300 Pressed wood hardboard
- No. 400 Zinc chromate metal primer
- No. 401 Galvanized surface conditioner
- No. 402 Aluminum paint (ready mixed)
- No. 403 Synthetic enamel - red
- No. 404 Synthetic enamel - black
- No. 405 Interior synthetic varnish
- No. 406 Wood primer
- No. 407 Light orange synthetic enamel - undercoat
- No. 408 Light orange synthetic enamel - finish coat

No. 409 Asphalt coating
No. 410 Asphalt floor coating
No. 411 Asphalt roof coating
No. 412 Silver gray semi-gloss enamel
No. 413 Caulking compound
No. 414 Thinners for paints and enamels
No. 415 Asphalt coating - fibrated
No. 416 Aluminum paint - asphalt base
No. 417 Asphalt roof coating (cold weather)
No. 418 Asphalt coating - fibrated (cold weather)
No. 419 Galvanized metal primer
No. 420 Primer - hot spray
No. 421 Orange enamel - hot spray
No. 422 White stencil paint
No. 423 Black stencil paint
No. 424 Red chromate lap joint paint
No. 425 Wood preservative
No. 426 Exterior gray paint
No. 427 Orange enamel - airless spray
No. 429 Latex compound floor cement
No. 430A White interior undercoat
No. 431A Light green semi-gloss enamel
No. 432 Synthetic enamel gray - exterior
No. 433 Exterior black enamel, one coat direct-to-metal
No. 434 High gloss exterior white
No. 500 Diesel fuel oil
No. 500A Diesel fuel oil
No. 501 Diesel fuel oil filters
No. 502 Lube oil filters elements
No. 504 Diesel fuel oil
No. 509 Refrigerant compressor oil
No. 700 Cement - rubber
No. 800 Asphalt caulking compound
No. 801 Ribbon, or bead, plastic caulking compound
No. 802 Exposed type caulking compound
No. 900 Rubber gaskets
No. 1000 Fuel for automatic heaters
No. 1001 Portable metal ladders and step ladders
No. 1002 Portable ladders, non-conductive type
No. 1101A (2) Glass fiber reinforced plastic interior side and door lining
No. 1103 (2) Fiber glass reinforced, plastic surfaced plywood

DEPARTMENT: CAR

Additional Note

* Legal box.

Car data, Miscellaneous. [1961 - 1967]
Cars and trailers in service. 1968-1974 (7)
*Cars, Defect, handled, man hours expended. [1975 - 1977]
Cars destroyed. 1941 - January 1955 (6)
*Cars equipped with hinged half-stage ice grates. n.d.
Cars handled, retired, etc. 1917 - 1930; *1960 - 1978; 1965 - 1975 (12)
Cars handled at outside points, Number of. 1928 - 1963 (5)
Cars handled at shops and outside points, Number of. 1930 - 1964 (2)
*Cars in service by series and class, Number of. 1951 - 1961
Cars, Numbers of, built prior to 1936 in Service as of Dec. 31, 1959, showing dates built and rebuilt.

Cars painted, by years, Number of. 1929 - 1964
Cars rebuilt, by shops, Number of. 1929 - 1948
*Equipment specialties in service. 1967
Cars, Express, equipped with cast steel truck pedestals. 1938-1950
Cars, Express refrigerator. Reconditioning. n.d.
*Cars, Mechanical, handled. Form 78-15. 1961 - 1978
Inspector's notebook. n.d.
Job descriptions, Standard, for use on time cards at Shops and
Journal boxes repacked, Number of. 1958 - 1964
Lubricating pad applications, Original. 1956 - 1962
Man hours worked and car days equipment delayed. 1928 - 1932
Manpower, Average Daily
 All Shops. 1977 - 1978
 Nampa. 1977 - 1978
 Pocatello. 1977 - 1978
 Roseville. 1977 - 1979
 Roseville and Tucson. 1977 - 1979
 Tucson. 1977 - 1979
*Manpower figures. July 1974-1978.
Operation, Monthly Memorandum of. Form CS 476. Aug. 1920-1928
Payroll costs, Shops and Outside Points. 1928 - 1965
Repair costs, car output, payrolls, paints, trackage, car costs, rebuilds, rates, loads, car dimensions, special items. Circa 1906 - 1955. [Notebook]
Repairs handled at shops, Scheduled investment and operating. 1961 - 1964
Repairs, Scheduled, handled at shops. 1950 - 1963
Retirements, Voluntary and involuntary [cars]. 1948 - 1971
Shop Operations and Status of Equipment by Series, Summary. Form 865. 1929 - 1957.
*Shop prorates. 1961-1978.
*Trailers, Flats and Conventional Cars in Service. 1967

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Annual Advices to Mechanical Division - Association of American Railroads, regarding number of new cars built at company shops during preceding year; gross weight of all such cars, and total cost. 1954-1965
Bills. (Form 315). 1974-1978
Bills. (Form 175). Jan. 1977 - Jun. 1978
Equipment Leases A - R (Form CS 5450). 1965-1967
Organization. 1953-1975
Rebuilt Cars [By car numbers - may contain car's current number, original car number, year built, year rebuilt, year dismantled, year destroyed]
 1-5014
 5015-9983
 9984-14459
 14460-19994
 [19995]-25075
 [25076]-30016
 [30017]-60024
 [60025]-66589
 [66590]-80038
 80039-91991
 91992-94082
 94083-95989
 95990-end
Specifications for grading, track construction, air & water lines, drainage and pavement, Car Repair Shops, Roseville. Oct. 1951.
Shop Production Data. Car Outturn vs. Direct Line Labor. 1974-1978
UP Schedules: A, C, G, H, L, R, S, T, U

BY SUBJECT

Additional Note

* Legal box.

Accident investigation report. Apr. 3, 1933

Agencies. [A - Z] Descriptions and Histories [Miscellaneous subjects].

Color Drift Control: Color panels [exterior colors]:

Orange finish coat. April 1971

Gray enamel. June 1967

Enamel green. February 1964

Dark gray. January 1958

Aluminum paint. October 1956.

Black stencil. October 1956

White stencil. October 1956

Freight car red. October 1956

Correspondence. 1934 - 1947; January - July 1974.

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Group Dental Care. Apr. 1, 1977

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History and Functions. Jan. 1, 1967

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Organization Charts. 1953-1979

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Promotional Materials. n.d.

[Property]: Record of deeds and abstract of title as of May 1, 1951.

[Property]: Proposed annexation of certain SP-PFE properties by City of Roseville. 1966.

[Property]: Quitclaim deed and drawings. North Powder, Oregon. [1971]

Proposition 15, Nuclear Power plants. Letter to employees. May 26, 1976.

Public Relations Department. [1962 - 1971]

Safety Rules:

General Rules. May 1, 1963

Not dated.

... for Car Department. n.d.

... for Car and Store Departments, Ice Plant Repairmen. Jul. 1, 1949

... for all employees. Sep. 1, 1971

... for all employees. May 1, 1975

Seniority rosters. Roseville. 1956

Test Trips, Reports on

No. 12 Portland, Oregon - Chicago, Illinois, January-February 1917, potatoes

No. 13 Portland, Oregon - Council Bluffs, Iowa, February-March 1917, potatoes

No. 17 Yakima, Washington - Memphis, Tennessee, January 1918, potatoes

No. 18 Hood River, Oregon - New York, New York, February 1919, apples Under Carrier's Protective Service against cold Route: OWR&N - OSL - UP - IC - IHB - Erie

No. 20 Sacramento - Boston and New York, New York, July 1919, peaches, pears, plums
Under standard refrigeration

SP - UP - C&NW - IHB - Erie - D&H - B&M

No. 21 Medford, Oregon to Baltimore, Maryland and New York City. 1919, green pears

No. 22 Lodi, California - New York, New York, September 1919, grapes

Under standard refrigeration, automatic brine circulating system of refrigeration

Route: SP - UP - C&NW - IHB - Erie

No. 23 Van Horn and Hood River, Oregon - New York, New York, January 1920, apples

Under standard refrigeration

Route: OWRR&N - OSL - UP - C&NW - IHN - Erie

No. 27 Brawley, California - New York, New York, June 1922, Cantaloupes

Under standard refrigeration

Route: SP - EP&SW - RI - IHB - Erie

No. 29 Brawley, California - New York, New York, March 1924, Lettuce

Under standard and dry refrigeration

Route: SP - EP&SW - RI - IHB - Erie

No. 30 Vacaville, Walnut Grove and Hill District, California - Chicago and New York City, June 1924

Under standard refrigeration

Route: SP - UP - IC - IHB - Erie

Ryan Thermometer Tests for Test 29, 30 and 31 (Petaluma, California to New York, New York). September 1924

Unions. [Agreements and By-Laws]

American Railway Supervisors Association. Agreement. 1951

American Railway Supervisors Association. Agreement. Jan. 1, 1964

Brotherhood of Railway, Airline and Steamship Clerks, Freight Handlers, Express and Station Employees. Agreement. June 1, 1973

Brotherhood of Railway, Airline and Steamship Clerks, Freight Handlers, Express and Station Employees. Agreement. Sep. 30, 1973

Brotherhood of Railway, Airline and Steamship Clerks, Freight Handlers, Express and Station Employees. Agreement. Appendices A-E. Jan. 1, 1979

Brotherhood of Railway and Steamship Clerks, Freight Handlers, Express and Station Employees. ... governing the wages and working conditions of clerks and other office, stores and ice plant and platform employees. Sep. 15, 1939.

Brotherhood of Railway and Steamship Clerks, Freight Handlers, Express and Station Employees. Agreement. Appendices E-P. 1941- 1972

Brotherhood of Railway and Steamship Clerks, Freight Handlers, Express and Station Employees. Agreement. June 1, 1952

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[Railway Labor Organizations]. Agreement. Nov. 20, 1964

Vibration tests. Feb. 1965

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Association of American Railroads. Records of Rebuilt PFE Cars. Form AAR-1-R. File 26-2-5. n.d.

Carrier

Delco. 2-speed

Electric Machinery. 2-speed

FMC

FMC. Freeze-Dry

Interstate Commerce Commission. Docket No. 20769. Data

Interstate Commerce Commission. Docket No. 20769. Number of Cars Segregated by Bulkhead Types. 1929-1932

Liquid Carbonic

Preco, Inc. Oct. 20, 1954

Trane
Vapor
York

PHOTOGRAPHS

Additional Note

Photographic materials have been arranged according to CSRM filing rules as well as to PFE's original filing system. Nearly all photographs of rolling stock have been arranged by class number then car number or subject, as relevant. Rolling stock lettered for other corporate entities has been so filed. [2 file drawers]
Nearly all photographs of facilities (shops, icing facilities, yards) have been arranged by subject then location (State, City). [2 file drawers]
PFE's original order contained numerous subject files. For those images not fitting into the above divisions, the original subject files have been retained. [1 file drawer] Folder headings are:

Air brake testing equipment
Air circulating arrangement
Belt rails, application of, MacLean-Fogg lock nut 3
Brake beams
Car heaters
Chain hold down on flats
Conservation of materials and tools
Container and trailer handling
Diagonal braces and cover plates at body bolster, March 1959
Diesel power unit
Diesel power unit, Tucson, May 1979
Doors, Landis Industrial Company
Doors, National Car Company, sliding door
Doors, Preco 6 foot sliding door
Emerson engine
Equipco bulkhead, Los Angeles, June 1949
Flood damage to cars insulation, 1951
Foreign car paint program
General rebuilt car, Roseville, 1944
G-T washers and bolts
Hatch plugs
Heaters, Car
High access platform, trail and flats, DP 30511
Ice removed from cars, Tucson, Jan. 9, 1951
Icing
Icing, Mechanical
Icing, Mechanical, Tulsa
Icing, Mechanical, Denver
Insulations, Los Angeles
Insulations, Roseville
Kemlite, handling kingsize glassboard, summer 1974
Loading of cars
Mechanical standards, refrigeration machines
Moorman hardware, test
Portraits
Rebuild, 1944
Refrigeration units
Safety
Safety awards, Colton, 1952
Safety awards, Nampa and Pocatello, 1952
Safety awards, Nampa store, 1954
Safety awards, Nampa, 1973

Safety awards, North Platte, 1954
Safety awards, North Platte and Pocatello, 1962
Safety awards, Pocatello and Council Bluffs, 1965
Shop vehicles
Thermo king
Tools
Top icers, Mechanical icers, salt
Trailer movers and ramps
Trailer shifting device
Trailers
Trucks (Automobile)
Trucks (Automobile), Ice
Trucks (Rolling stock)
Western Engine Company underslung unit, flats
Wheels and rails
York unit underslung

DRAWINGS

Additional Note

See the Library's "Drawings" database for PFE drawings catalogued to date. There are additional drawings in the Library's offsite storage facility. Some are unarranged and hence not yet available. Others have been sorted by size and number. Library staff will search for specific drawing numbers.