Western Pacific Railroad Maintenance of Way Cars

presented by

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at the

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Celebrating 100 Years of the Feather River Route



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Celebrating 25 Years of Presenting & Preserving the legacy of the Western Pacific Railroad

Western Pacific Railroad Maintenance of Way Cars



Maintenance of Way Cars

- Maintenance of Way, Company Service cars or Roadway car, all are about the same.
- These are railroad cars that have outlived their revenue service days and are reused by the railroads to keep cost down. These cars in many cases are older rolling stock that have been set-aside or replaced by newer equipment.
- These cars allow the railroad to move and store almost anything that involves maintenance to the right of way, grade crossings, bridge's and other railroad facilities.
- Older freight cars is easily adapted to the MoW fleet, especially if it's continuing in a similar job like an older tank car to move water or fuel, former coal car turned into a ballast car. Most all of this equipment in most cases are painted into a special color to differentiate the cars from revenue service and are renumbered.
- Flat cars also work well as low-sided gondolas by adding side and end boards to keep ties, timbers short pieces of rail on the deck.

- Box cars served as tool cars containing workshops, materials, hand tools, hardware, kegs of spikes, tie plates, rail joiners, bolts and nuts.
- Some box cars were modified, adding windows, doors and vents, heaters and made into bunk cars, some into kitchen cars, dining cars and foreman's quarters.
- Old passenger cars were converted to maintenance of way cars stripping them of the amenities and turning them in to large bunk cars, passenger dining cars turned into Kitchen and Dining cars, baggage cars turned into workshops and material cars using their large doors.
- Most maintenance of way cars traveled in one train or on the end of a fright consist, being dropped off on a siding close to the work at hand. Tracks were "Blue Flagged" and had the switches lined away from the main line and spiked to prevent movement to the main line.

Types of Maintenance of Way Cars

- As an example, a gang of 50 men, the car equipment would look something like this:
- One Foreman's car
- One Commissary and Office car
- One Kitchen car
- Two Dining cars
- Six Bunk cars
- One Store and Refrigerator car
- One Tool Car

- While I will go into more on the WP's line-up of car equipment during this presentation, the above give an example of some other railroads and how they handled a work crew.
- The Western Pacific Railroad was no exception. Taking older 40' and 50" boxcars and stock cars turning them into maintenance of way cars along with some older coach, dinning and RPO cars.
- While there is little information to be found on the WP Maintenance of Way fleet, there is information on the general use of mow equipment that can be found in various web sites and historical societies across the county.
- While I am in no way an expert in any of these car fleets, I will attempt to show some of the common types of MoW cars that the Western Pacific made use of.

ARREMT OF CARS IN OUTFITS.

A B FOR COOK & 4 MEN.		
D C H H FOR 16 MEN, COOK & FOREMAN. CAN BE INCREASED TO 40 MEN BY ADDING I CAR'G FORDINER & I CAR'H FOR EACH 8 MEN.		
B F C G ADDONE CAR'H FOR EACH 8 MEN. 20-55 MAN OUTFIT		
B G E G F ADDICAR H FOREACH 8 MEN ADDICAR H FOREACH 8 MEN OVER 80. 55 TO 80 OR MORE MAN OUTFIT OVER 80 MEN ADD ONE CAR H FOR COOKS.		

Type of Cars

Car Type	Use of Car
Type A	Kitchen Car
Туре В	Office Car
Type C	Kitchen and Diner
Type D	Foreman, Time Keeper, Commissary and Cooks Quarters
Туре Е	Kitchen Car
Type F	Supply and Cooks Quarters
Type G	Diner
Туре Н	8 Man Bunk Car
Туре Ј	Divided Bunk Car, Foreman's, Engine Crew Car
Туре ЈВ	Divided Bunk Car, Single Shower
Туре К	2 Shower Bath Car with Water Tank and Tool Compartment
Type L	6 Shower Bath Car with Tool Compartment
Туре М	Combination Kitchen/Diner/Bunk Car

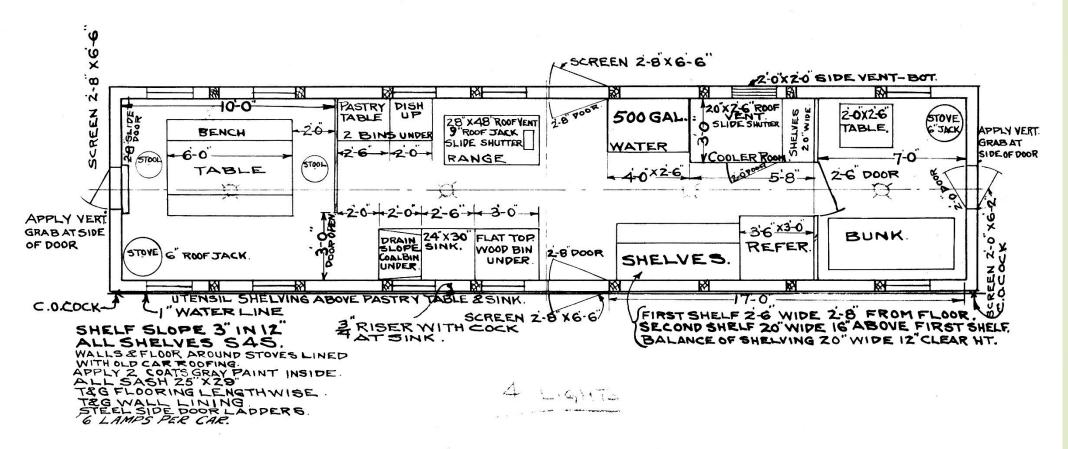
Car Type	Use of Car
Type N	Bunk Car with 500 Gallon Water Tank
Type ST	Tool Car for Ditcher # 49 and 50
Type X1	Electrician Supply and Quarters
Type CD	Kitchen and Diner Car
Type EG	Kitchen and Diner Car
Туре Н8	Bunk Car with Foreman's Compartment
Type H11	11 Man Bunk Car
Type H12	12 Man Bunk Car with Foreman's Compartment
Туре М2	2 Man Living Quarters
Type M4	4 Man Living Quarters
Type TW	Combination Tool and Water Car
Type V	Track Vacuum Cleaner Car
Туре Х	Engine and Trainmen's Car
Туре Х	Engine and Trainmen's Car
	Emergency Tool Car
	Tool Car
Туре Т	Ventilated Tool Car

Kitchen Car

7.25.27 2.19.28.

KITCHEN CAR.

TYPE A



CAR INSIDE 8-6 WIDE & 40-0 LONG.

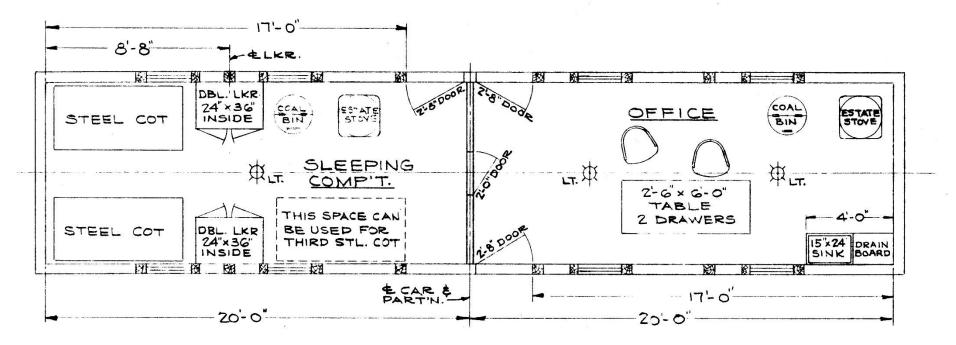
SCALE 4=1FT. C.S.7-6-27.

Office Car

REV. 3-8-54

OFFICE CAR

TYPE B



ALL WINDOW SASH 25" × 29"
WALLS AND FLOOR AROUND STOVES LINED.
BOTTOM OF WINDOW FRAME OPENING 38" ABOVE OLD FLOOR.
STEEL SIDE DOOR LADDERS.

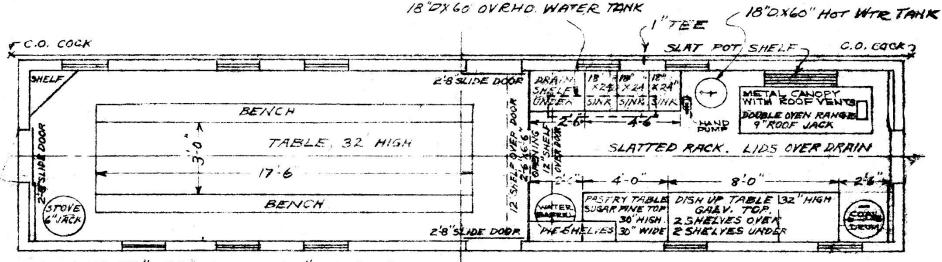
CAR INSIDE 8'-6" WIDE x 40'-0" LONG.

Kitchen and Diner

5-7-47 5-23-50 |-16-51 5-18-53

KITCHEN & DINER

TYPE C



ALL SASH 25"X29", BOTTOM 38" ABOVE FLOOR
WALLS & FLOOR AROUND STOVES
LINED WITH OLD CAR ROOFING
APPLY 2 COAT GRAY PAINT INSIDE
T&G FLOORING & WALL LINING
STEEL SIDE DOOR LADDERS
VERTICAL GRABS AT END DOORS.
2-8"X 6-6" SLIDING END DOOR SCREENS
BOTTOM OF SINKS 24" ABOVE FLOOR
2-8"X 6-6" SIDE DOOR SCREENS
CAR INSIDE 8-6" X 40-6

SHELVES OVER DOOR TO SLOPE BACK

6 LAMPS FER CAR.

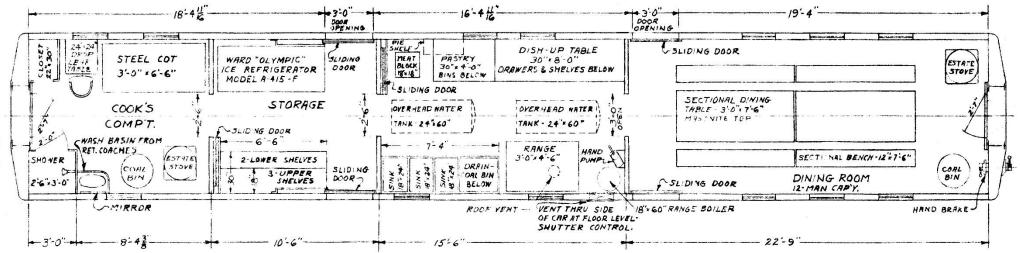
WT. 47700# SCALE 4"= 1 FT. MWB 2-29-36 REV. 3-25-53

REFERENCE DWG: FLOOR PLAN 423-F-9000

KITCHEN & DINING CAR

CONVERTED FROM BAGGAGE CARS ON AFE 39-52 & 11-53





BOTTOM OF WINDOW FRAME OPENING TO BE 372 ABOVE FLOOR.

ALL SHSH TO BE STD. 25" × 20".

SIDE DOORS TO BE 6'-6" HIGH; INSIDE DOORS TO BE 6'-8" HIGH.

G'TGS FLOORING LENGTHWISE.

KITCHEN & DINING ROOM FLOORS COVERED WITH LINGLEUM.

ALL SHELVES S4S.

PAINTING SCHEME:

CEILING-RADIANT CREAM

WALLS-SURF

FLOOR-BATTLESHIP GRAY.

OUTSIDE-CMAHA ONANGE

ROOF-ALUHINUM

STEEL SIDE DOOR LADDERS
ELECTRIC LIGHTS - 110 VOLTS
INSIDE DIMENSIONS OF CAR! 9-14 × 60-13"
FOR OUTSIDE DIMENSIONS SEE PAGE I
OF PASSENGER EQUIP. BOOK.

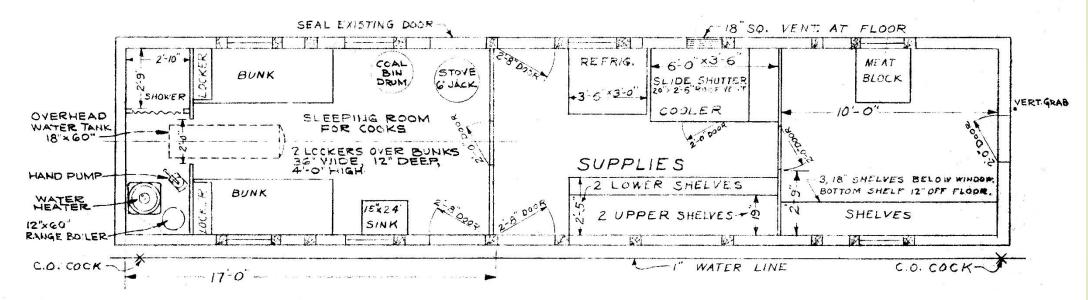
SCALE: 3 =1'
WEIGHT: 102,800 LBS.
RDC 8-20-52

Commissary and Cooks Quarters

REV. 8-18-52 REV. 8-21-52 REV 2-23-54

COMMISSARY & COOKS QUARTERS

TYPE D (WITH SHOWER)



ALL SASH 25'X 29".

WALLS SALDOR AROUND STOVE LINED WITH OLD CAR RODFING.

APPLY Z COATS GRAY PAINT INSIDE.

ALL SHELVES SAS.

TEG FLOORING LENGTHWISE.

TEG WALL LINING.

4 LAMPS PER CAR.

CAR INSIDE: 8'-6" WIDE, 40'-0" LONG.

LONG L'END SCREEN BOOK

STEEL SIDE DOOR LADDERS.

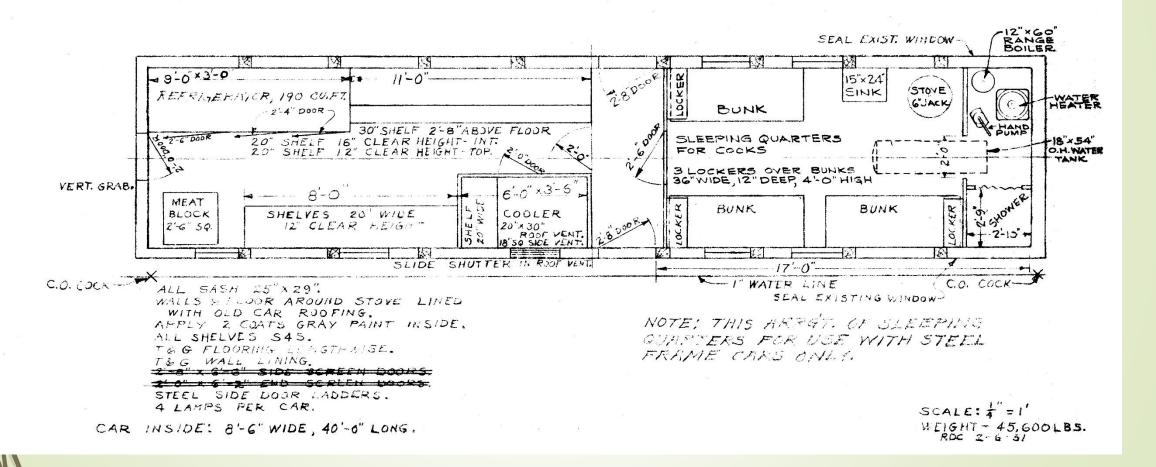
BOTTOM OF WINDOW FRAME OPENING 38" ABOVE OLD FLOOR.

SCALE: 4 = 1'
WEIGHT - 47300 LES.
RDC 2-6-51

Supply and Cooks Quarters

REV. 8-18-52 REV. 8-21-52 REV. 12-19-52 SUPPLY & COOKS QUARTERS

TYPE F (WITH SHOWER)

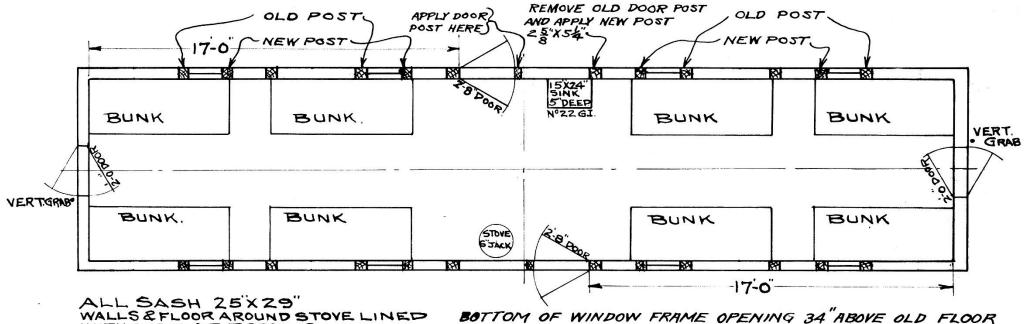


Bunk Car

7·25·27. 5-7-47

BUNK CAR.

TYPE |



ALL SASH 25XZ9

WALLS&FLOOR AROUND STOVE LINED

WITH OLD CAR ROOFING.

APPLY 2 COATS GRAY PAINT INSIDE.

TEG WALL LINING.

2-8 X 6-6 SIDE SCREEN DOORS.

2-0 X 6-2 END SCREEN DOORS.

STEEL SIDE DOOR LADDERS

4 LAMPS PER CAR.

CAR INSIDE 8-6 WIDE 40-0 LONG.

W7. 44200 # SCALE = IFT. CS.6827





Tidewater Southern MW 0565-H

Pullman / WP MOW crew bunk car built ? Rebuilt by the Western Pacific shops in Sacramento, California from a WP boxcar built in 1916 Used as Escalon Depot in 1960s, Donated to FRRS



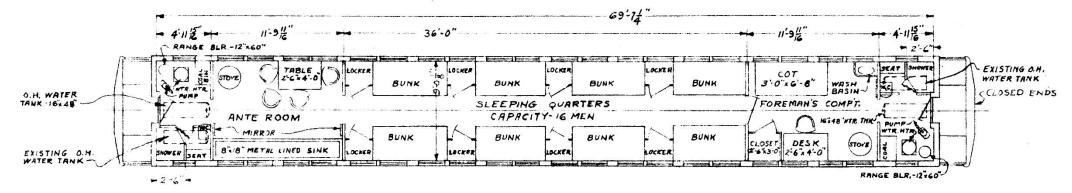
Bunk Car with Foreman's Compartment

REV. 3-25-53

BUNK CAR WITH FOREMAN'S COMPT.

8- MAN CAPACITY.
CONVERTED FROM W.P.
COACH ON AFE 67-50

TYPE H-8



ALL WINDOWS AT LOCKERS AND CLOSET TO BE BLANKED OFF WITH FALSE PANELING.
ALL OTHER WINDOWS TO HAVE OUTSIDE REMOVABLE SCREENS,
SCREEN PANELS ON END DOORS.
DIAPHRAMS REMOVED-12 GA STEEL PL. RIVETED IN PLACE,
ELECTRIC LIGHTS-110 Y.
COLOR SCHEME;
CEILING: RADIANT CREAM
WALLS---SURF
FLOOR---BATTLESHIP GRAY
OUTSIDE-ONHHA ORANGE
ROOF---ALUMINUM
INSIDE DIMENSIONS: 9'08' 69'-74".
FOR OUTSIDE D'MENSIONS SEE PAGE 3 IN PASSENGER EQUIP. BOOK

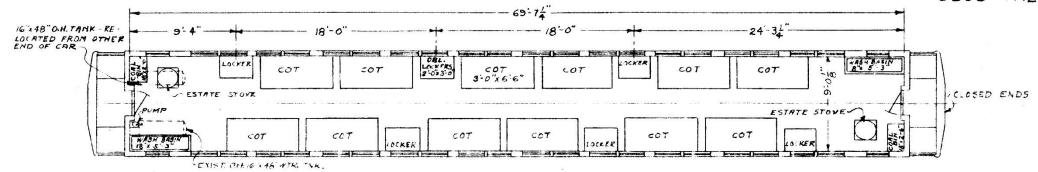
SCALE: \(\frac{1}{8} = 1'-0''\)
WEIGHT: 127,400 LBS.
RDC \(\text{R-22-52}\)

Bunk Car

EV. 3-25-53

BUNK CAR 12-MAN CAPACITY CONVERTED FROM W.P. COACHES ON AFE 63-51

TYPE H-12 FOUR CARS 0903 - H12 0905 - H12 0906 - H12



ALL WINDOWS AT LOCKERS TO BE BLANKED OFF WITH FALSE PANELINGALL OTHER WINDOWS TO HAVE OUTSIDE REMOVABLE SCREENS.

SCREEN PANELS ON END DOORS.

DIAPHRAMS REMOVED -12 GA. STEEL PL. RIVETED IN PLACE.

ELECTRIC LIGHTS-110 V.

COLOR SCHEME:

CEILING -- RADIANT CREAM

WALLS --- SURF

FLOOR -- BATTLESHIP GRAY

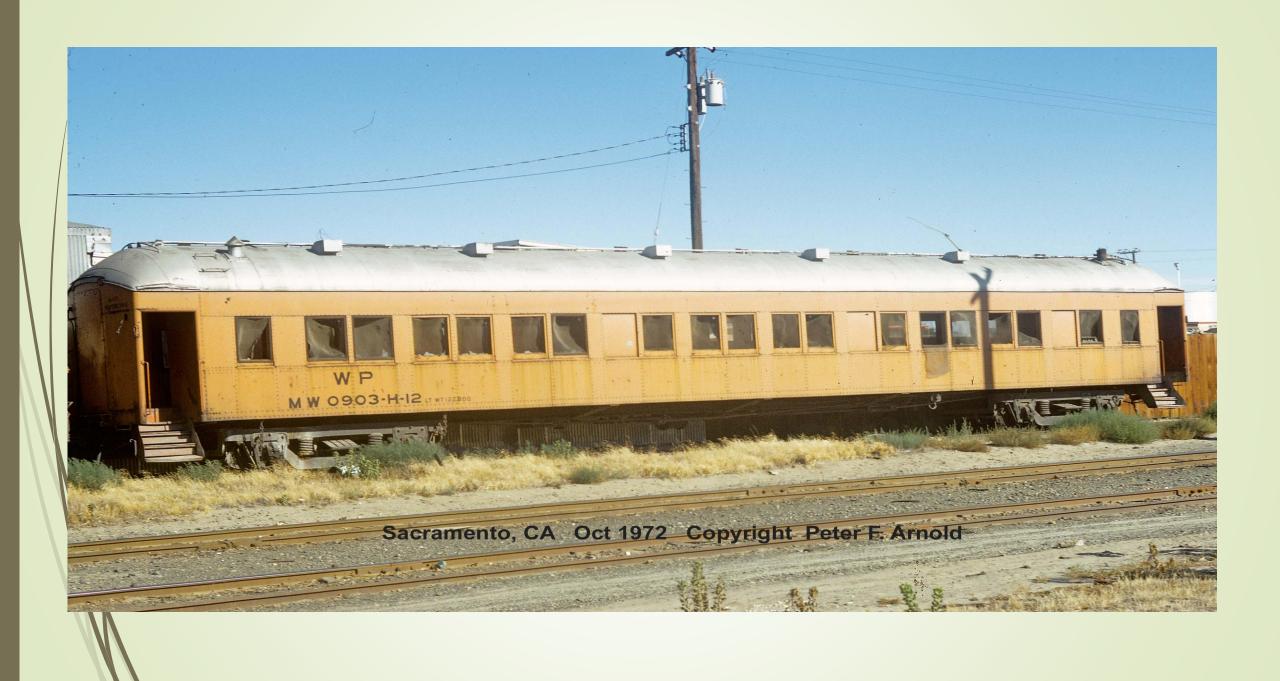
OUTSIDE -- OMAHA ORANGE

ROOF- -- ALUMINUM

INSIDE DIMENSION: 9'-08"x 69'-74".

FOR OUTSIDE DIMENSIONS SEE PAGE 3 IN PASSENGER CAR EQUIP, BOOK.

SCALE: # = 1-0"
WT. 122,830 LBS,
RDC 8-25-52

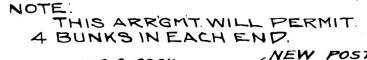


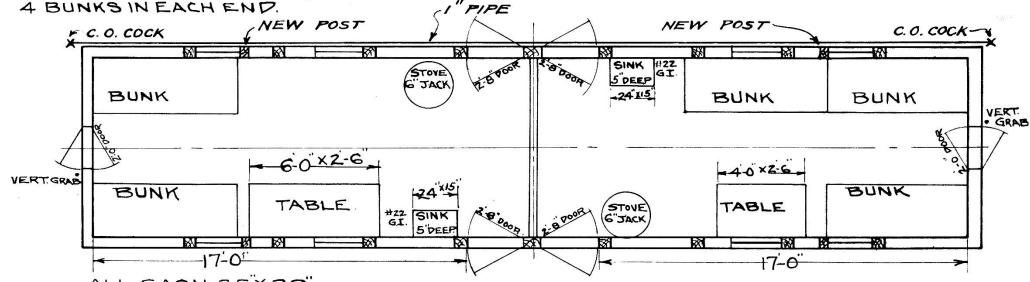
Divided Bunk Car

7.25.27 5-7-47

DIVIDED BUNK CAR. FOREMANGENGINE CREW.

TYPE J





ALL SASH 25 X 29"
WALLS& FLOOR AROUND STOVES LINED
WITH OLD CAR ROOFING.
APPLY Z COATS GRAY PAINT INSIDE.
TEG FLOORING LENGTHWISE, OFFICE END ONLY.
TEG WALL LINING.
Z-8 X 6-6 SIDE DOOR SCREENS.
2-0 X 6-Z" END DOOR SCREENS.
STEEL SIDE DOOR LADDERS.
4 LAMPS PER CAR.

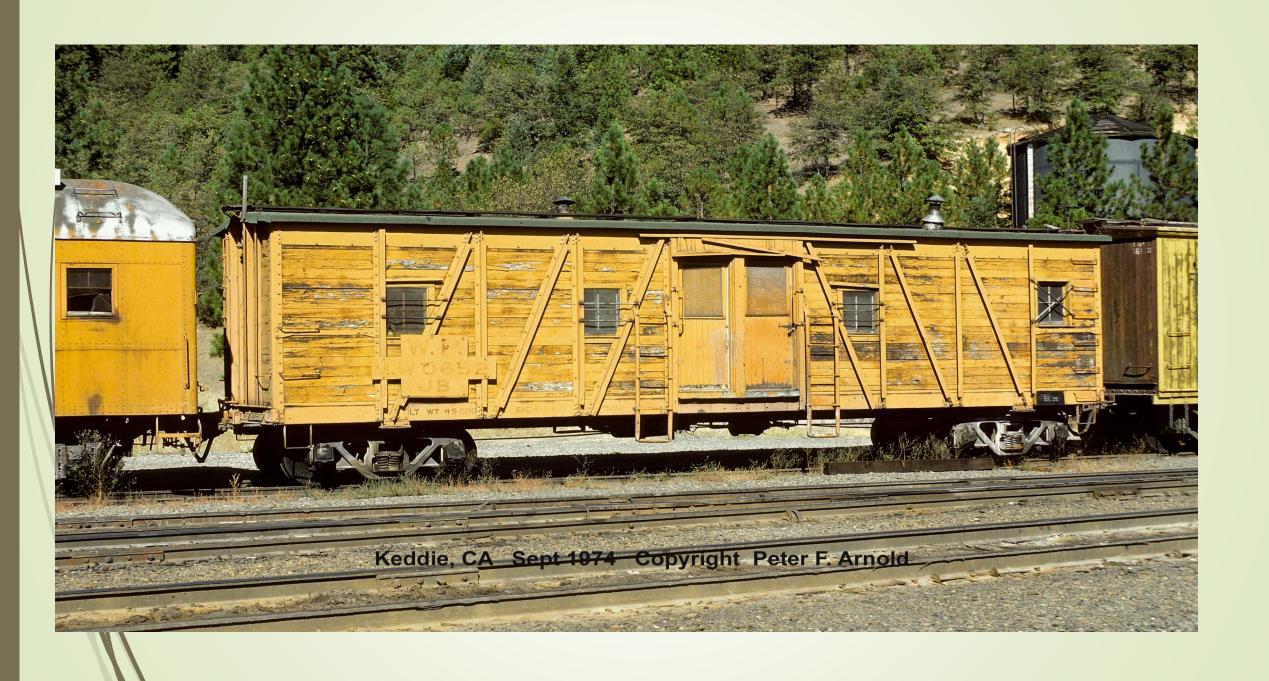
CAR INSIDE 8-6 WIDE 40-0 LONG.

SCALE 4 = IFT. CS.7.9.27.

BOTTOM OF WINDOW FRAME OPENING

34"ABOVE OLD FLOOR OF CAR



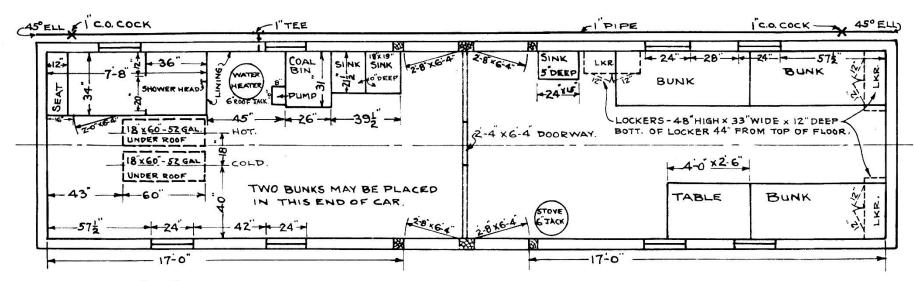


Divided Bunk Car with Single Shower

5-7-47 12-9-55

AFE, 67-39 069-JB 082-JB 0100-JB 0108-JB

DIVIDED BUNK CAR WITH SINGLE SHOWER STALL TYPE JB



ALL SASH 25"X29"- SLIDE UP.
WALLS& FLOOR AROUND HEATER 2 STOVE LINED WITH OLD CAR ROOFING.
SHOWER STALL LINED WITH GALVANIZED IRON.
T&G FLOORING LENGTHWISE, T&G. WALL LINING.
GLASS FABRIC ROOFING.

STEEL SIDE DOOR LADDERS.
BOTTOM OF WINDOW FRAME OPENING 34"ABOVE OLD FLOOR.

SHOWER ROOM WALLS EXTEND FROM FLOOR TO ROOF.

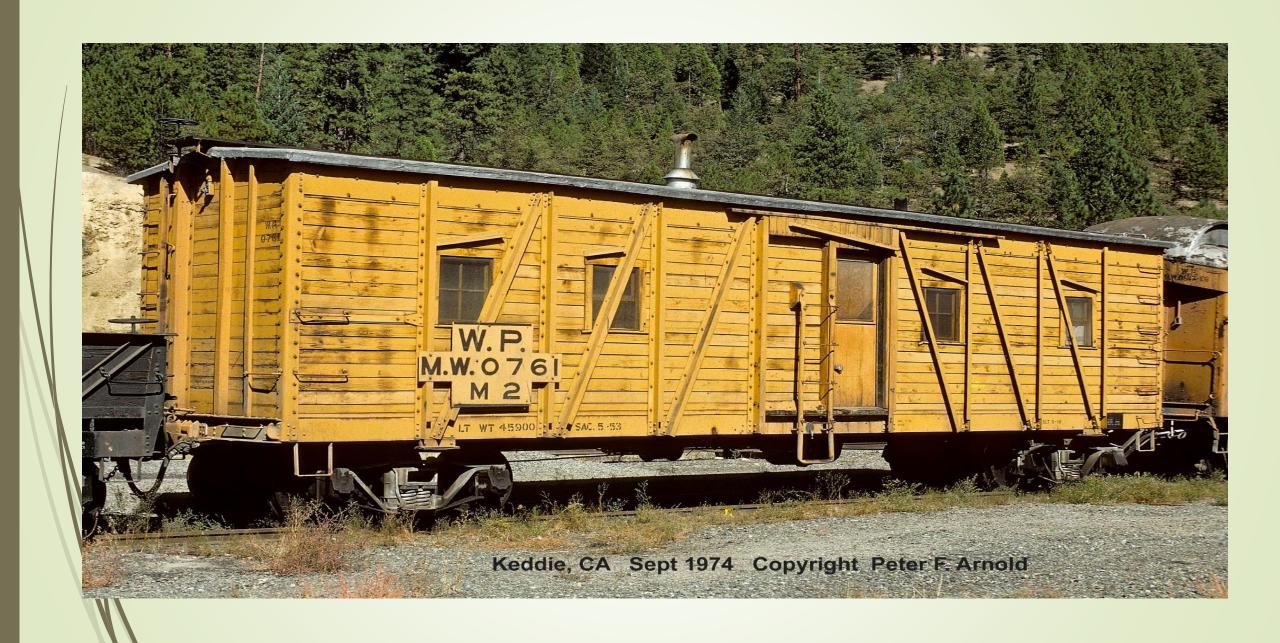
4 LAMPS PER CAR.

CAR INSIDE 8-6" WIDE & 40'0 LONG.

WT, 45900 [#]

LE 1 = 1 FT 7-1

ca

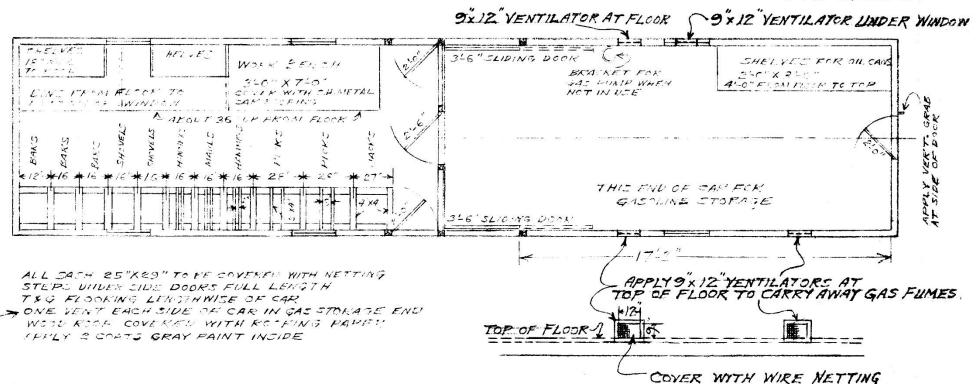


Tool Car for Ditchers

TOOL CARS FOR DITCHERS 49 850

TYPE ST

MM-7763-1944 CAR NOS MW 0727-ST MW 0728-ST



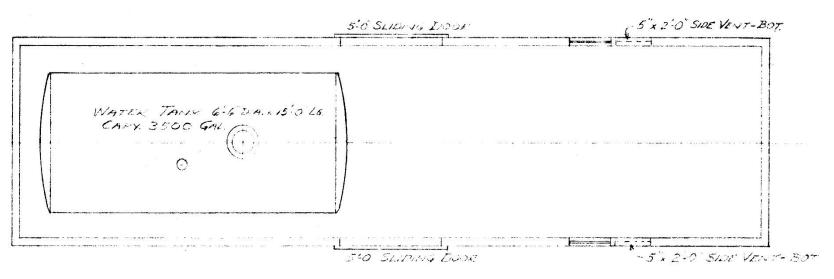
CAR FROM 15000 SERIES
CAR INSIDE 40'-6" WIDTH 8-6"

SCALE 4 1 FT LW.W. 2-7-41

Tool and Water Car

REF. DWG. 428-F 9010

TOOL & WATER CAR CONVERTED FROM STOCK CARS 75501 SERIES AFE 211-55 TYPE TW THREE CARS 0941-TW 0942-TW 0943-TW



WINDOW BASH 25"x 29". SASH COVERED WITH WIRE MESH SCREE V. HOTTOM OF WINDOW FRAME 53" ABOVE FLOOR

CAR INSIDE 8'-10" WICE X 36-6" LONG.

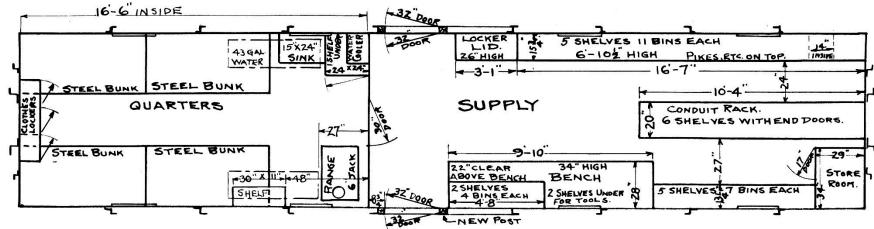




Electricians Supply and Quarters



X-I



DOUBLE SHEATHED ROOF.

FLOOR, SIDE & END WALLS TEG LINED

8 25 X 29 CABOOSE SASH

12 XI8 X34 STD WATER COOLER

Nº4 MIDWEST RANGE.

ALL BINS HAVE DOORS.

DOUBLE LINING AROUND RANGE-& ASBESTOS 2 3/32 IRON

3 COMPARTMENT CLOTHES LOCKER -48 WIDE 12 DEEP 47 HIGH.

MADE FROM 15001 SERIES BOX CAR.

2-16 X 50" COPPER WATER TANKS HUNG FROM ROOF CARLINES

WATER TANKS FILLED THROUGH ROOF.

FAUCET AT SINK PIPED TO BOTH TANKS. TOP OF BENCH LINED WITH 32 IRON.

2-8 X 6-6 SIDE SCREEN DOORS

STEEL SIDE DOOR LADDERS.

APPLY TWO COATS GRAY PAINT INSIDE

4 LAMPS PER CAR.

4=1FT

5-7-47 cs.12-10-16

Dry Sand Car



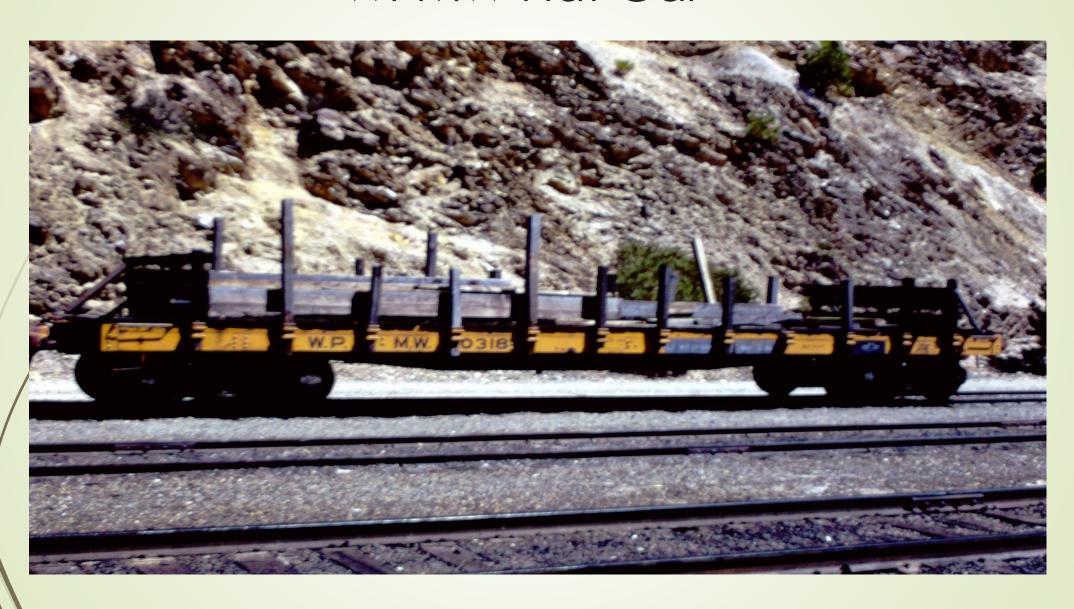
WPMW Rotary

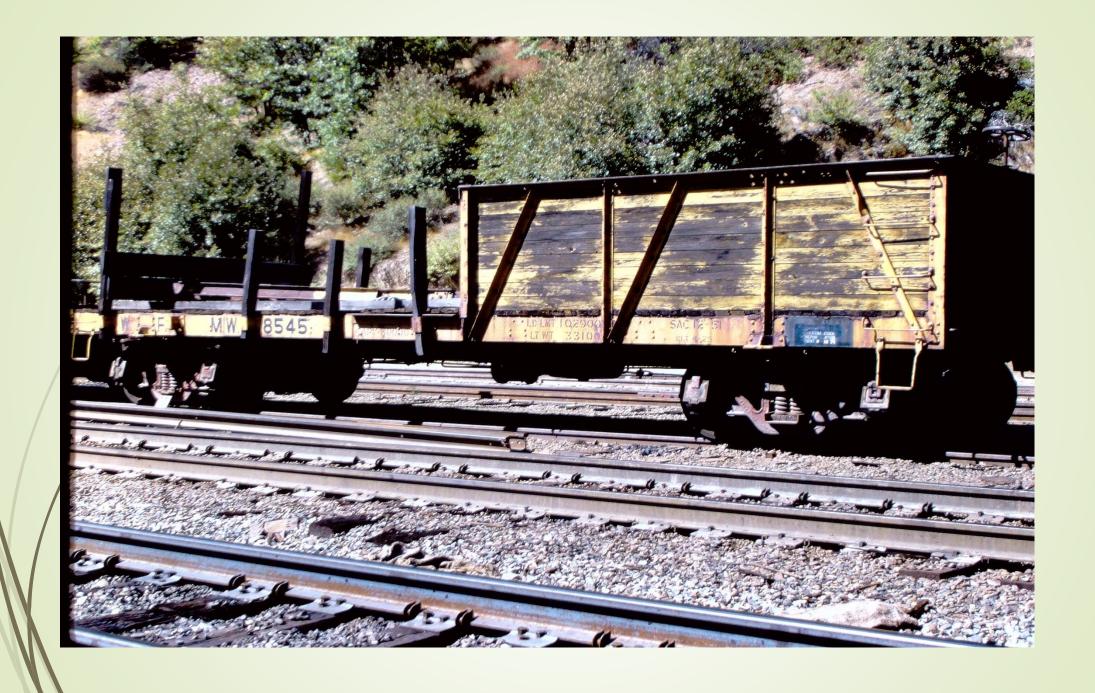


WPMW Jordan Spreader # 6

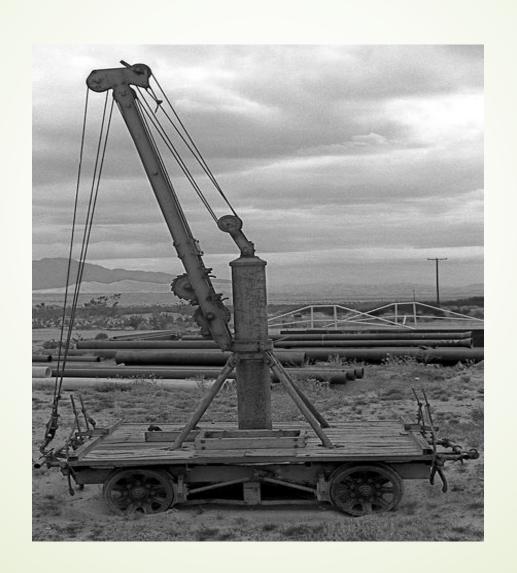


WPMW Flat Car





Rail Crane







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