

619 MOTOR CAR

BUDA



THE BUDA COMPANY

HARVEY, (Chicago Suburb) ILLINOIS

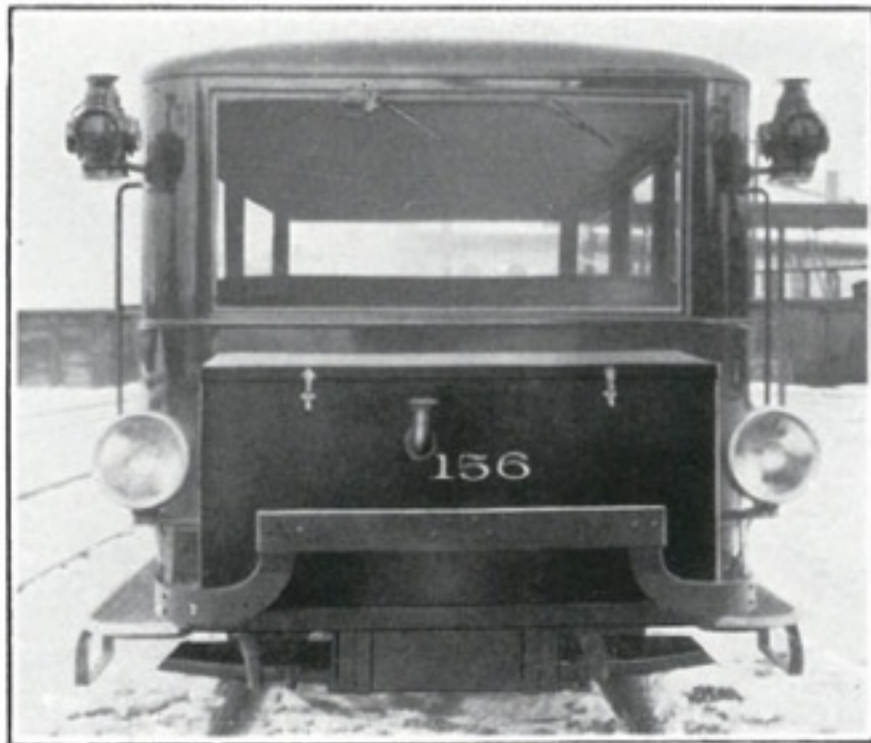
Railway Exchange
CHICAGO

30 Church Street
NEW YORK

Railway Exchange
ST. LOUIS

664 Mission St.
SAN FRANCISCO

Harvey Works
Wembley, Middlesex
ENGLAND

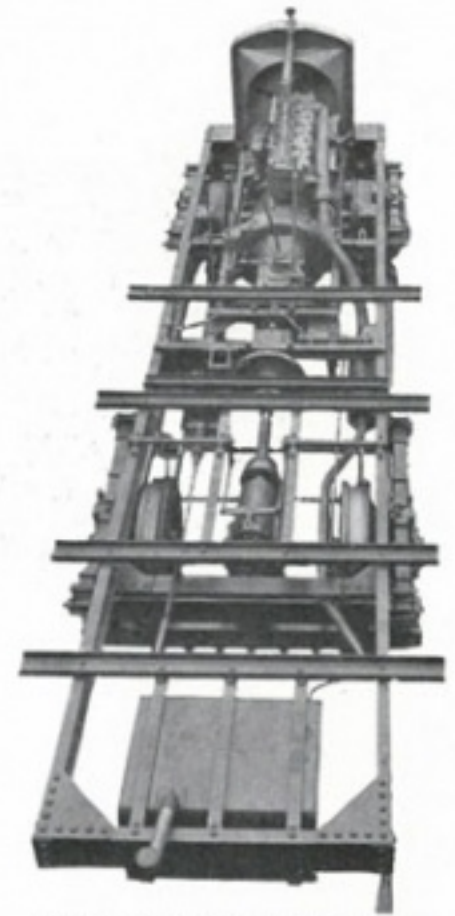


Full Vision from rear of De Luxe Inspection Car
Note double windshield cleaner

Rear view of Coach Type is practically
same as above

THE BUDA No. 619 Motor Car has been specially designed and constructed for heavy duty service, with flexible specifications making it adaptable to a wide variety of uses. This car is furnished from chassis only to the most luxurious sedan-type for passenger service. Standard designs are illustrated to present the general utility of this heavy duty car.

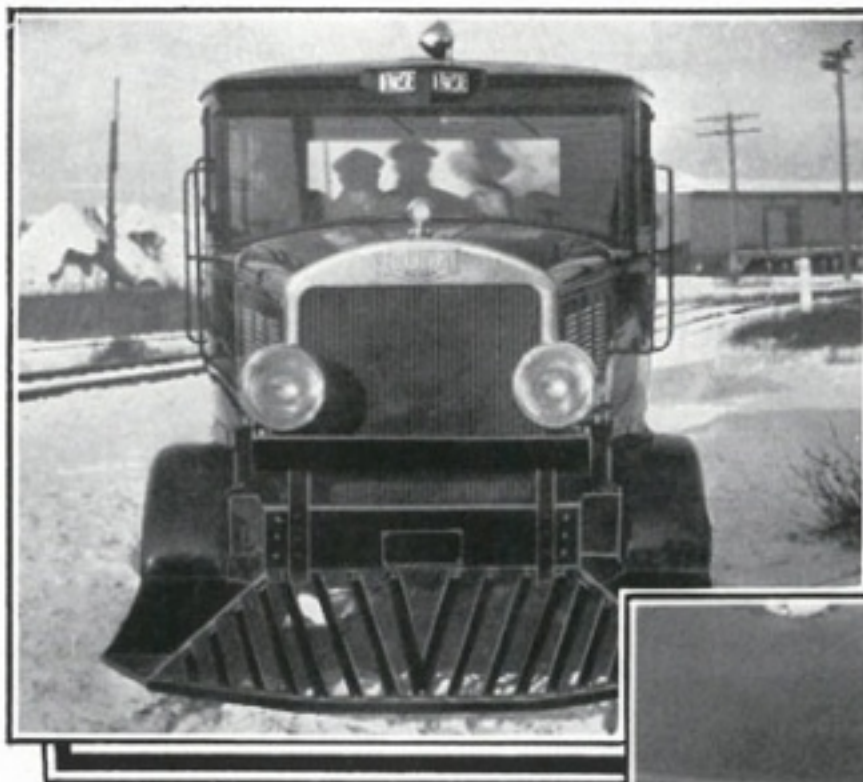
You will be interested in the actual construction of the De Luxe Model as built for railroad inspection service. This car, which is illustrated on the front page and on pages two and three, is powered by a 114 H. P. 6-cylinder Buda engine and provides a surplus of power to insure smooth, vibration-less operation.



Chassis with worm drive
for narrow gauge track.
Built for capacities from
5 to 15 tons

Leather Upholstery

The interior is completely fitted with control board, dome lights, curtains, heater, and the upholstery is of genuine leather. The seating arrangement provides for twelve passengers with the rear seat reversed for track inspection—the rear glass being practically full width of the car.



Front View
De Luxe Inspection Car

7½ to 10 Miles per Gallon

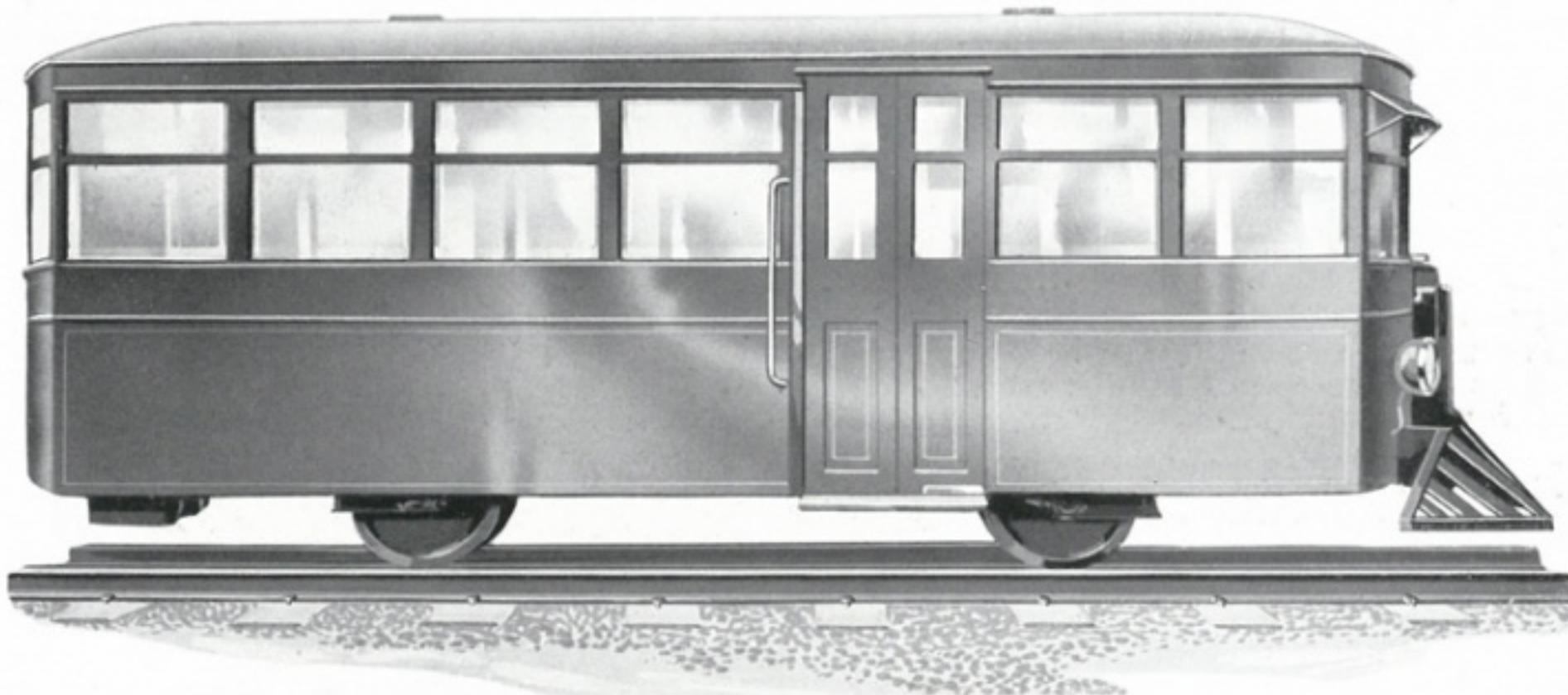
These cars can maintain train speeds and operate at extremely low fuel cost. One run of 534 miles averaged over 7½ miles per gallon. Another run under train orders approximately half way across the continent averaged nearly 10 miles per gallon. Gasoline consumption depending on size of engine.

A Buda engine governor is built integral with the engine and is usually set at 50 or 55 miles per hour, and this speed can be maintained indefinitely—in both forward and reverse.



Interior View

Note:—Side view of this car shown
on front page



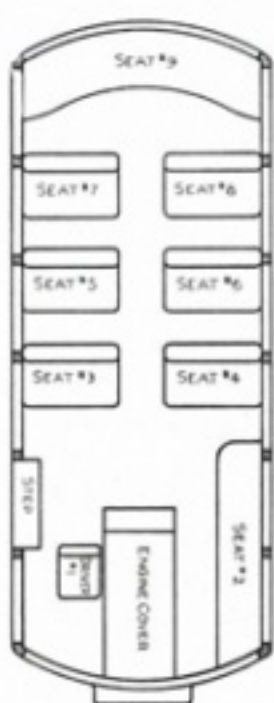
With 27-Passenger Full Length Body for Passenger Service

4 Wheel Brakes --- Alemite Lubrication

- AXLE BEARINGS:** Timken roller type, enclosed in cast steel housings, well lubricated and protected from dirt. With this type of bearings the side thrust is absorbed by the bearings themselves.
- SERVICE BRAKES:** Cast iron shoe type, acting on all four wheels (one shoe to each wheel) of ample size. Brake rods fitted with compensators to equalize the four-wheel brakes.
- VACUUM BOOSTER:** Recommended with shoe brakes. Operates from intake manifold of engine. Multiplies by five times the physical pressure applied to brake lever.
- EMERGENCY BRAKES:** Furnished with ventilated disc type, on reverse gear shaft of chain drive car and on propeller shaft of worm drive car.
- WHEELS:** Solid forged steel, 24" diameter, M.C.B. tread and flange, of special design embodying maximum strength with lightness.
Rubber cushion wheels to eliminate noise and vibration from rail joint shocks can also be furnished if required. (These wheels are of decided advantage in a car with enclosed body.)
- SPRINGS:** Semi-elliptic; extra long for easy riding.

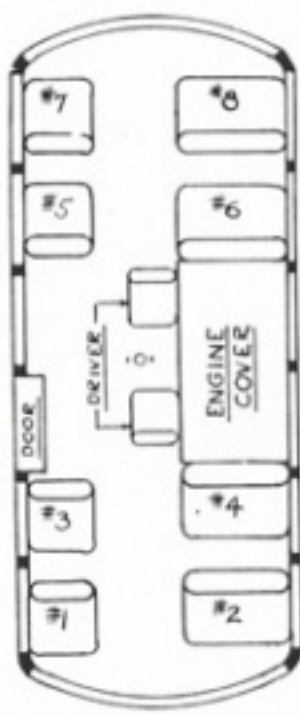
SPRING THRUST PLATES: (Pat. applied for). Provided on frame to prevent side sway of body of car. In this construction, side sway of car is taken entirely by the frame channels, imposing no strain upon the leaf springs. (This is an original feature found only in the BUDA No. 619 motor car).

GASOLINE TANK: 25 to 60 gallons capacity (depending on size of engine), with locked seams, equipped with gasoline level gauge mounted at rear of car (exact location dependent upon body design).

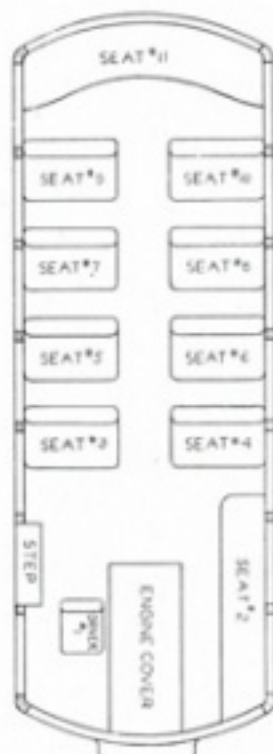


Layout R
23 Passenger

Layout for narrow gauge same as above, except body, seats and aisle are narrower.

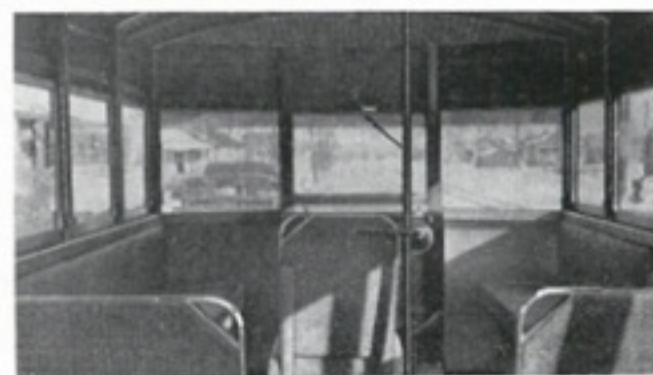


Layout S
14 Passenger



Layout T
27 Passenger

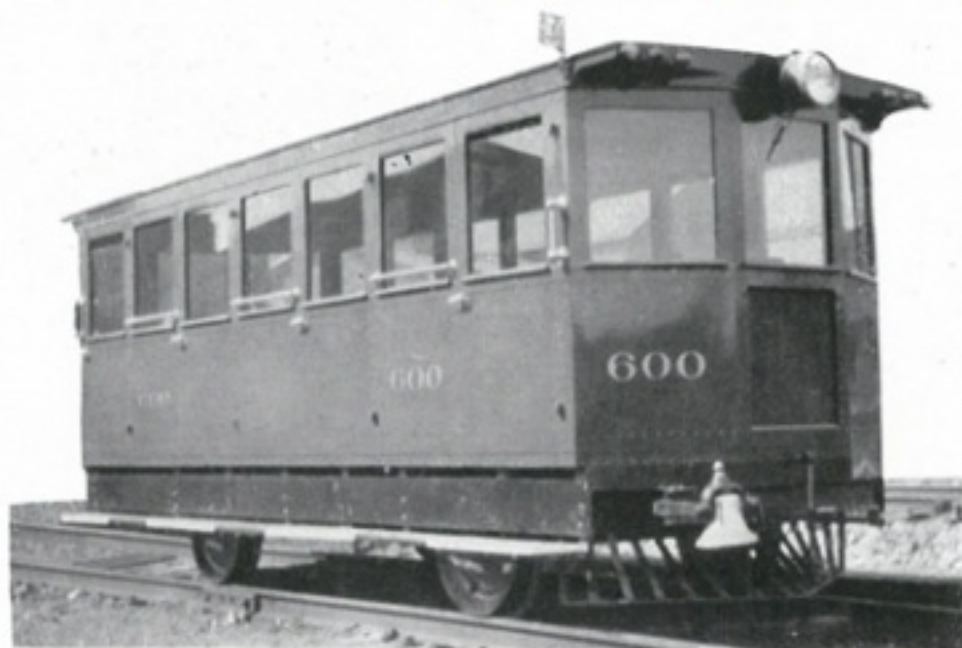
Cars with seating arrangements per layout "R" and "T" can be equipped with reversible seats and with an extra set of control levers and driver's seat at rear for operation in backward direction if required.



Interior View of Front End—Rattan Upholstery

BUDA No. 619 Can Be Adapted to Variety of Services

SUFFICIENT POWER FOR EXTRA TRAILERS



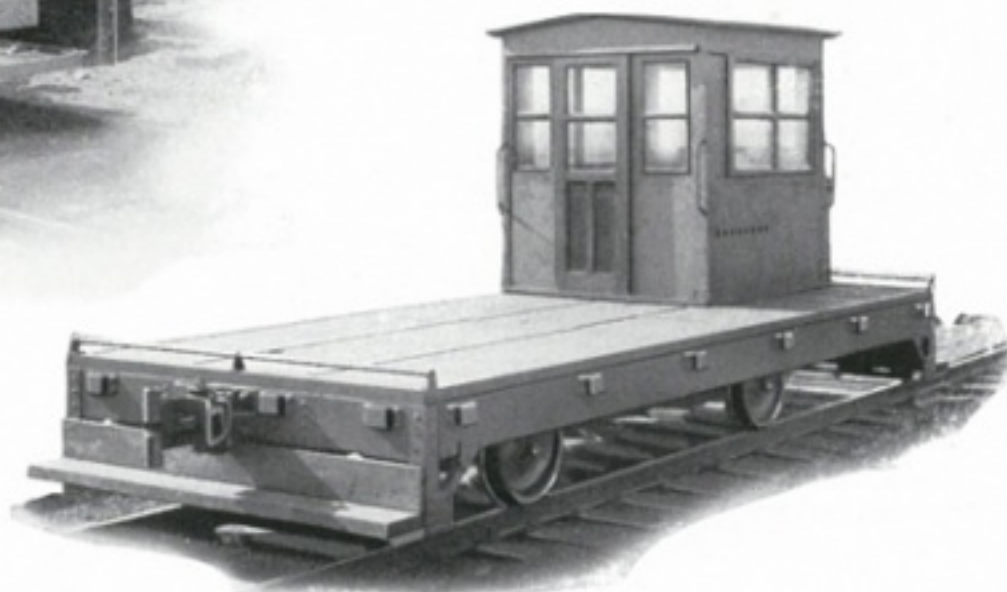
16-Passenger Inspection Car—Body Built on Buda Chassis by Railroad



Cross Section of Rubber Cushioned Wheel—M. C. B. Tread and Flange



Work Car with Load of 50 Men



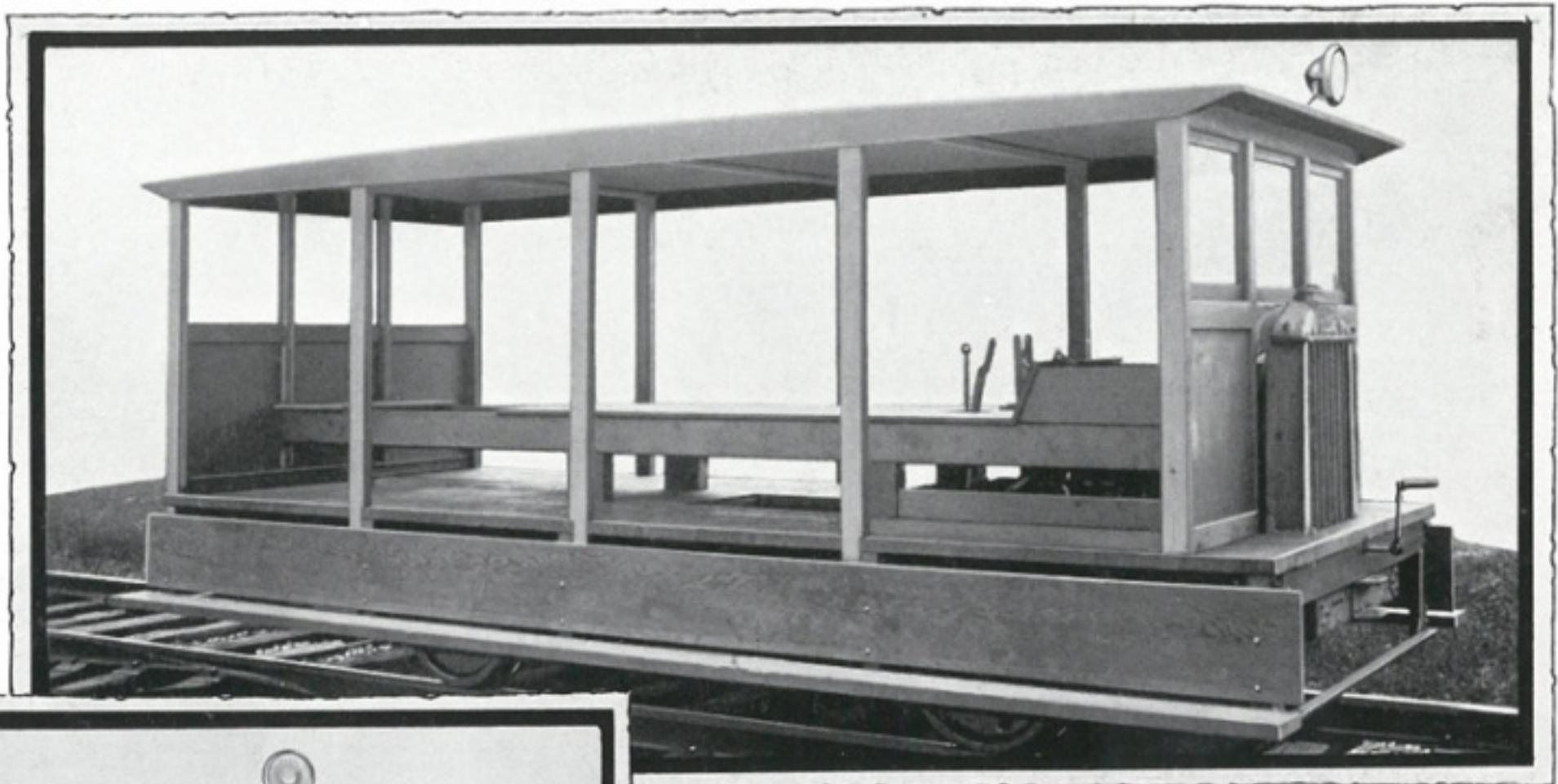
Flat Car with Cab as Furnished for Logging Service—10-Ton Capacity



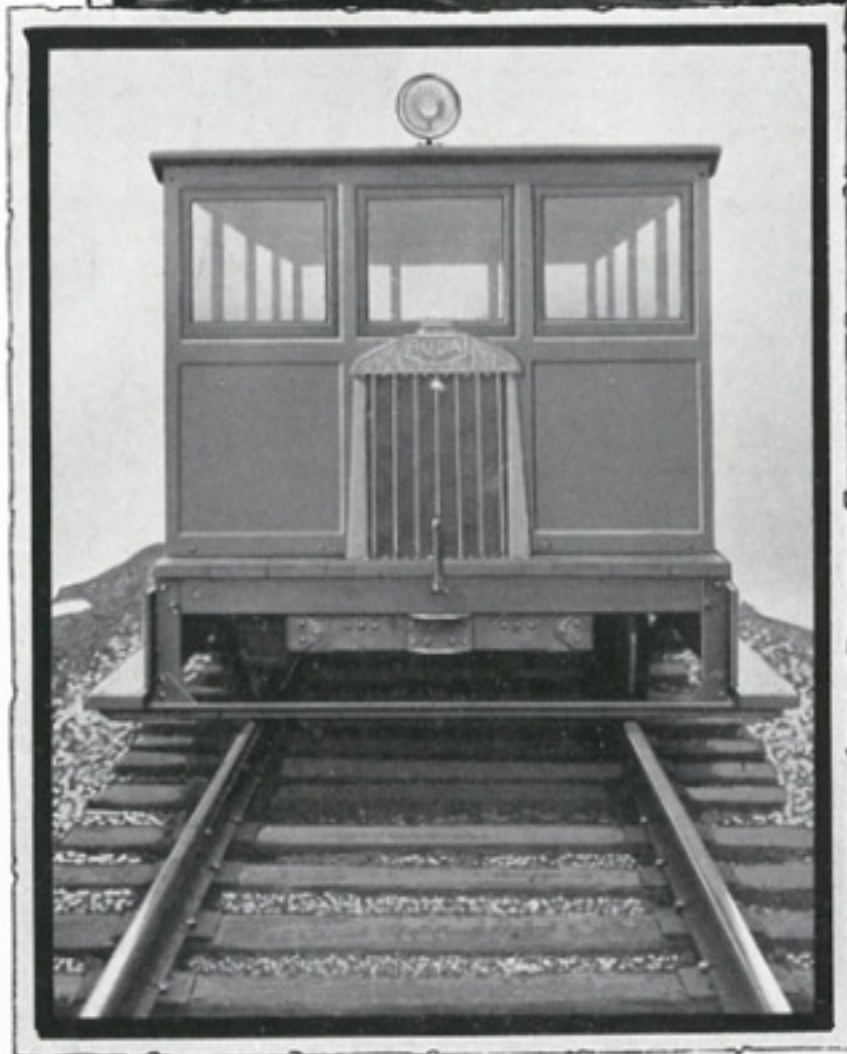
Solid Forged Steel Wheel—M. C. B. Tread and Flange



Hump Car—Capacity 50 Men—Ample Power for any Railroad Grade



Hump Car with Permanent Top and Seat

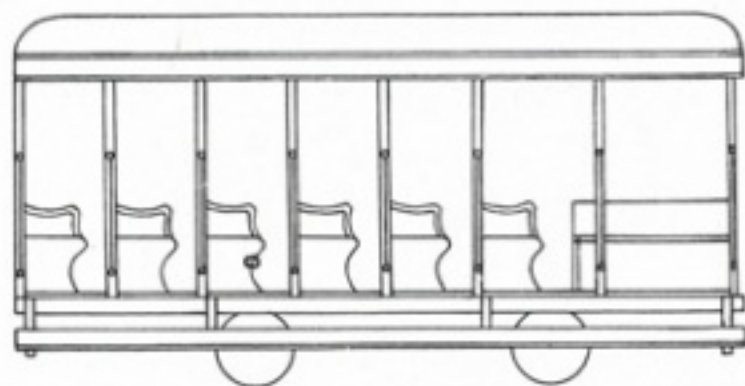


Front View of Above

BUDA No. 619 Motor Car Chassis GENERAL DESCRIPTION AND UTILITY

The Buda No. 619 motor car chassis is designed for railroad use in various classes of service as follows:

1. **PASSENGER SERVICE:** on short line railroads and for branch lines of large railroads. Can be equipped with bus-type body, 10 to 20 passenger capacity or with full-length body to accommodate 22 or more passengers as well as a separate compartment if required for baggage and express. Equipped with wood slat seats, rattan-upholstered seats, or with seats upholstered in the finest quality leather, as specified. Type of body optional with purchaser.
2. **INSPECTION SERVICE:** equipped with any type enclosed passenger-car body as required; or with canopy top, side curtains, and cross seats.
3. **WORK CAR SERVICE:** equipped with platform body suitable for hauling trailers, thus displacing expensive work trains.
4. **HUMP YARD SERVICE:** equipped with hump yard type body with full length superstructure and full length running boards and wheel guards.
5. **TRANSPORTATION SERVICE:** in mining camps and on plantations.
6. **LUMBER CAMP SERVICE:** for hauling men and supplies.
7. **LIGHT INDUSTRIAL HAULING AND SWITCHING:** for industrial plants.



Open type car—capacity 30 passengers. Built for more or less capacity if required

THE BUDA COMPANY

MAKERS OF

GASOLINE MOTOR CARS
HAND AND PUSH CARS
ROLLED STEEL WHEELS
TOOL GRINDERS
RAIL BENDERS
SAFETY CROSSING GATES
BUDA-M.A.N. DIESEL ENGINES
SWITCH STANDS
GASOLINE UNIT POWER PLANTS
ELECTRIC LOCOMOTIVE
HEADLIGHTS

BALL BEARING SCREW JACKS
RATCHET LIFTING JACKS
REPLACERS (WRECKING FROGS)
FROGS AND SWITCHES
BUMPING POSTS
TRACK AND BONDING DRILLS
GAUGES AND LEVELS
INDUSTRIAL LIGHTING PLANTS
BUDA-HUBRON EARTH DRILL
BUDA-CLARK TRACK LINER