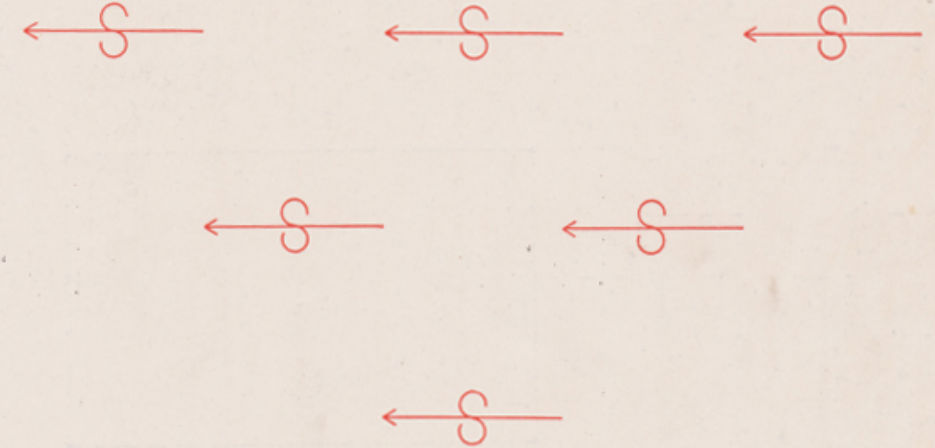


MERCEDES-BENZ

MODEL
,S'





MERCEDES BENZ THE PRODUCT OF THE WORLD OLDEST MOTOR CAR FACTORY

Decades of experience

in the building of sport cars of superior performance, the universally known high grade workmanship of the BENZ-MERCEDES Works and their masterly designs have contributed harmoniously to the creation of the MERCEDES-BENZ Sport model "S", which may justly be described as the acme of motor car perfection.

It is the car of cars for the great sport, whose superlative power and speed, climbing ability and absolute dependability have earned it the reputation of being the world's fastest sport car. Evolved from the Compressor Touring model which is favorably known everywhere, the Sport model "S" differs from its original in several respects owing to changes made to suit its purpose. The snappy lines of the chassis in themselves are indicative of the peculiar nature of the fast Sport car. Front and rear end of the frame are properly curved to obtain an especially low center of gravity. This, combined with the perfect distribution of weight and the high efficiency of the brakes, accounts for the unusual safety of this model.

Long semi-elliptic springs, overslung in front and underslung in the rear, make for unequalled riding comfort and roadability.

The engine also is distinguished by the neat lines of the regular Compressor Touring model; the differences are limited to a few details. These include a somewhat larger piston displacement - 6800 ccm = 415 cu. in.; two special



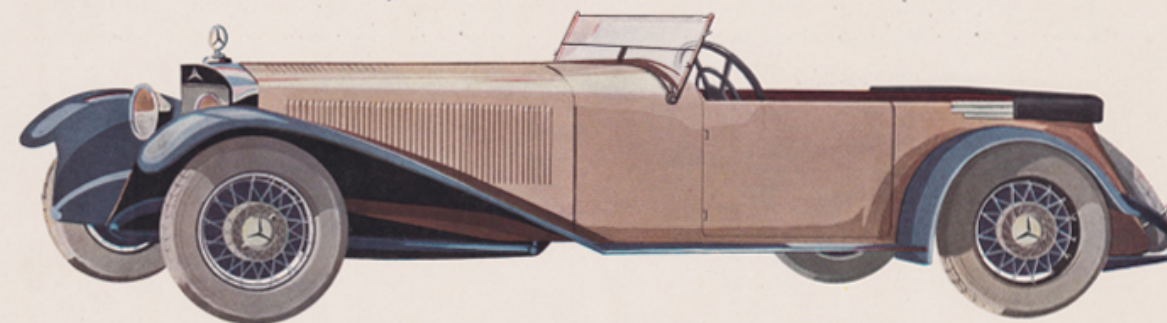
carburetors, a stronger compressor, double ignition (magneto and battery). Despite the unbelievable power of this engine, its speed does not exceed 3000 R.P.M. and generally, in open contrast to the highly delicate design of the average sport car engine, its construction is unusually sturdy and absolutely dependable. The brilliant performance of the engine in long distance tests as well as its long life must be attributed directly to its sturdy construction.

The availability of left or right hand drive, four speed transmission with ball shift lever in center, special four-wheel brakes of high efficiency, speedometer and heat indicator on the instrument board, lengthened filler tube on the fuel tank and other features make this fast car and its powerful engine easy to drive

even for the owner. If you drive the car, you will be surprised how easily controlled is its 180 H.P. engine. In dense city traffic, you can drive at walking pace on fourth speed and when you reach the open road, you can quickly attain a speed of 100 miles an hour. Lady drivers too have won laurels in international contests at the wheel of the MERCEDES-BENZ Sport model.

The Sport model "S" logically is the powerful engine for the owner-driver. In the sporting year of 1927, 27 victories have been won with this model, and 10 records surpassed. At the Automobile Salons in Paris, London and Brussels this latest product of the world's oldest automobile factory has been acclaimed by international experts as "the last word in motor car design".

MERCEDES-BENZ
MODEL "S"



THE WORLD'S FASTEST SPORT CAR

S P E C I F I C A T I O N S

M E R C E D E S - B E N Z C H A S S I S T Y P E « S »

ENGINE: Six cylinder, bore 3½ in., stroke 5½ in., speed normally 3000 R.P.M., piston displacement 415 cu. in.

Tax horse power: 26, brake horse power 120; with compressor 180.

Fuel consumption: 41.6 l per 100 miles.

Oil consumption: 1.6 l per 100 miles.

SUSPENSION: Three point suspension.

CRANKCASE and crankcase lower half, light metal, upper half and cylinders in unit, light metal, bushings in gray casting.

CYLINDER HEAD: Gray casting, removable.

CYLINDER HEAD COVER: Light metal.

CRANKSHAFT: Chrome nickel steel, carefully balanced.

PISTONS: Light metal.

CAMSHAFT: Overhead type, operated by crankshaft thru vertical intermediate shaft and helical gears.

VALVES: Vertically suspended in cylinder head.

COMPRESSOR: Engaged by depressing accelerator pedal.

IGNITION: "Bosch" High Tension Magneto with double distributor, two sets of spark plugs, spark control by lever on steering wheel.

CARBURETOR: Two Mercedes-Benz Carburetors for supercharger operation, adjustable heater in intake manifold.

COOLING: Honeycomb radiator (slightly pointed), centrifugal pump, fan.

LUBRICATION: Forced feed circulation, gear pump with distributor and fresh oil feed pump, oil pressure gauge on instrument board.

FUEL TANK: At rear end of frame, capacity 130 liters. Vacuum feed for supercharger operation.

FRAME: Overall length 185 in., length available for body 90½ in., wheelbase 134 in., tread 56½ in., maximum width with body 67 in., road clearance 5½ in. number of seats: four.

TRANSMISSION: Flange mounted to engine, light metal housing, ball lever in center, four speeds forward and reverse; transmission lock.

CLUTCH: Multiple disc clutch.

REAR AXLE DRIVE: Universal joint, bevel pinion and ring gear with differential small gears, torque tube with ball.

REAR AXLE RATIOS: 1:2,5, 1:2,76, 1:3,09.

SPRINGS: Semi-elliptic, arm shock absorbers.

STEERING: Left or right hand drive; worm and nut, conveniently inclined.

BRAKES: Internal brakes, "Servo" type, large brake drums, foot brake acting on four wheels, hand brake on rear wheels only.

WHEELS: Removable wire wheels with racing lock, spare wheel carried over fuel tank at rear end.

TIRES: Special 30×5.

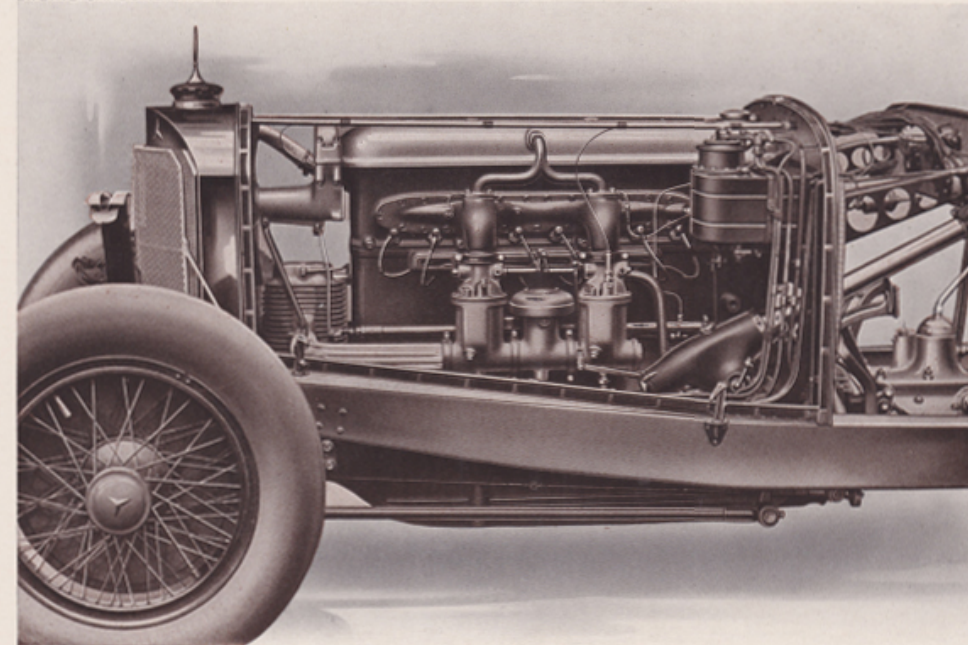
INSTRUMENT BOARD: Speedometer and engine revolutions, heat indicator, eight-day clock, switch plate, pneumatic fuel gauge, grease gun, oil pressure gauge.

ELECTRICAL EQUIPMENT: Generator, starter, battery, two headlamps with "Bilux" bulbs, portable instrument lamp, "Bosch" horn (Two tone).

WEIGHT OF CHASSIS: 2800 lbs.

MAXIMUM SPEED: 102 miles (1:2,76) with normal gear ratio. This model holds the German sport records with 110 miles per hour.

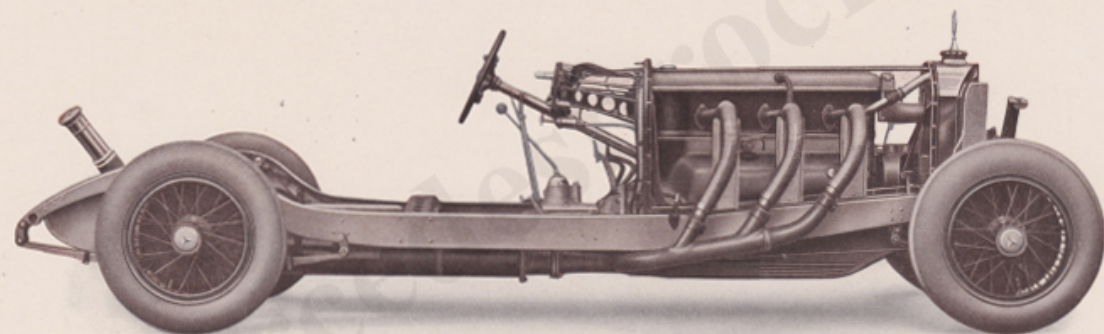
ENGINE-CARBURETOR SIDE



MERCEDES-BENZ
MODEL "S"

THE WORLD'S FASTEST SPORT CAR

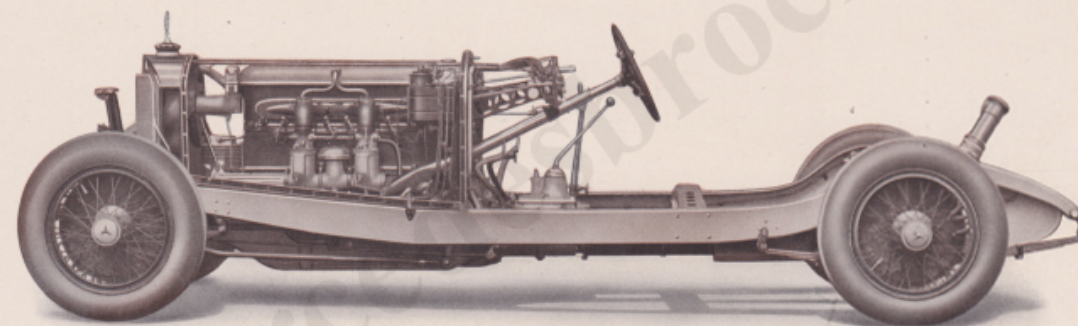
MERCEDES-BENZ
MODEL "S"



MODEL "S" CHASSIS SEEN FROM RIGHT SIDE

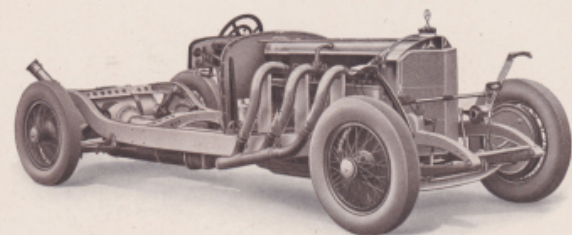
THE WORLD'S FASTEST SPORT CAR

MERCEDES-BENZ
MODEL "S"

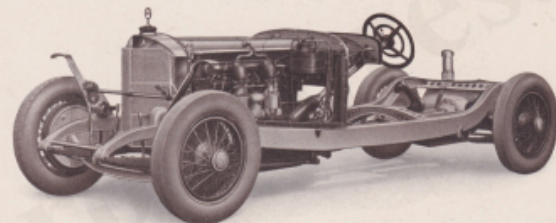


MODEL "S" CHASSIS SEEN FROM LEFT SIDE

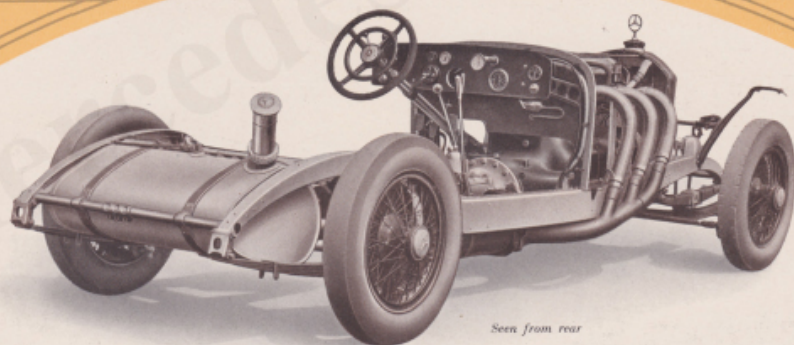
THE WORLD'S FASTEST SPORT CAR



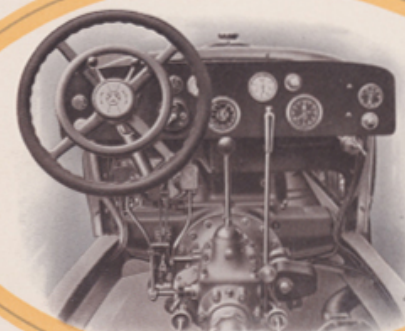
Front view of exhaust side



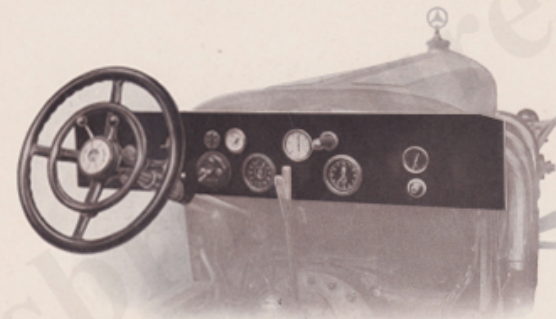
Front view of carburetor side



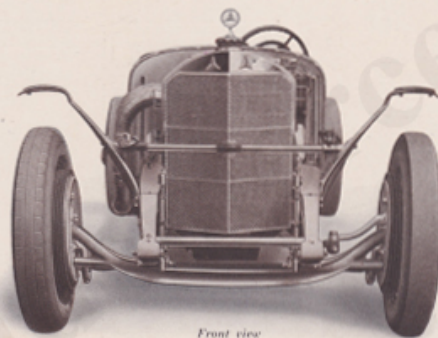
Seen from rear



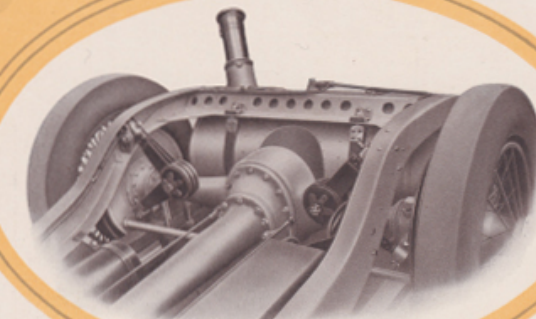
Steering gear and Transmission



Instrument board, steering wheel etc.



Front view



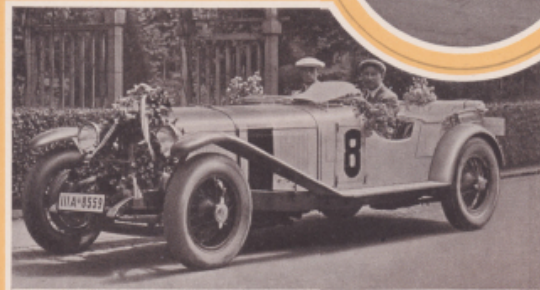
Rear end

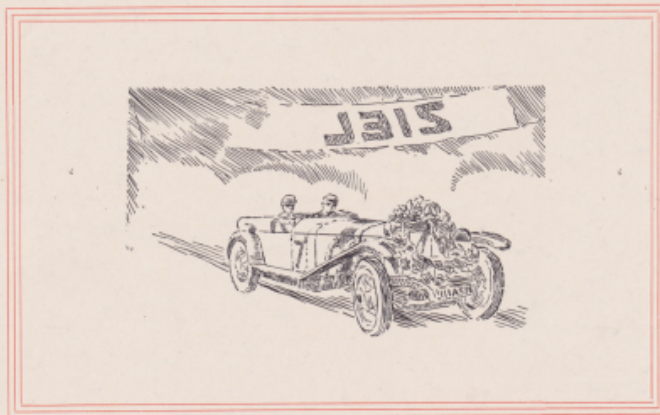


27 victories, 10 records



in 1927!





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