

G.N.S. 11.

R.R. 399A. Rev. (10H.) (D.G. 756-13-12-29). J.H. Ltd.

Series S Sub. Frame No. _____ Engine No. A.F.H. E.S. No. A2782
 Steering F Fittings Nickel Country India
 Body Open Touring Weight 8 Cwt. Passengers 4 or 4 Luggage oil
 Springs—Front O.S. 735 N.S. 730 Rear O.S. 1075 N.S. 1070 Gaiters leather
 Rad Shutters Polished nickel Speedometer No. & Type _____
 Key Nos. 64V88 Ammeter No. 182962 Axle Ratio 11x50
 On Test 6-10-30 Delivered 14-11-30 To Lilling Hall
 Customer Order - Name for H.H. The Maharajah of Udaipur
 Complete Car D/D 20-12-30 Guarantee Effective from 2-1-31 No 3890

1-9-30	1395	Long type Chassis	7259
"	"	Leather bonnet	
"	"	Extra spare wheel with wire wheel with 20" rim	
"	"	6, 32x6 wheels front S.T. tyres	
"	"	Two rear spare wheel carrier	

R.R. 145 (100H) (9951826-2-30) J.H. Ltd.

H.H. The Maharaja of Udaipur.

GNS 11

Asy/V.2.3.31.

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of
GNS11

19.9.30	1398.	<p>Basch horn in lieu of Klaxon. Ivory finish to Steering wheel, control knobs, change speed & brake lever grips, Radiator shutter control knob, inspection lamp socket & plug, Klaxon switch & cover. Nickel plated control quadrant w/ black letters.</p>
23.9.30	1399.	<p>Nickel silver finish with black lettering to Thermometer, Ammeter, control for shutters, control for starting carb, oil gauge, Switchboard, warning light, Telegraph & pump. White dials to Ammeter, oil gauge, & Telegraph, & Thermometer</p>
Forwarded	Nov 4 th 1930	Per L.M.S. Goods train
10.12.30	1-12V	<p>6XL3/4 type Exide battery sent direct to Hoopes by Chlorides London. Shipped per ss. "Mantua" London- Bombay. 2.1.31. 10 hrs / 4 ST / 30.1.31.</p>
Finally tested	at Hoopes	19.12.30.

CHASSIS No. GNS-11

BODY.

CHASSIS.

Engine No. A 84 H.P. 20/25

Open Tourer

Price - £1185 : : -

Off Test. 4.11.30 D.I. Issued 5.11.30

Drawing No.

17 1/2%

Axle Ratio 11x50 Despatched 4.11.30

Makers Hoopers

Order No. Date

Date of Sale 27.8.30

Copy Dwg. to on

Sold to Barker Hooper Coachbuilders

54 St James St. S.W.

H. H. De Munnich of Madras

TRIMMING & PAINTING.

Colours

Upholstery

Coachbuilders Instructed

For delivery

CAR ORDER FORM No. 134

DRAWING BOOK No.

DEPOSIT PAID £ : : : DATE

DATE

BALANCE OF CHASSIS PRICE PAID £ : : : DATE

DATE

BALANCE OF CAR PRICE PAID £ : : : DATE

DATE

INVOICE No. 645 * £997: 16: 0 : DATE 5.11.30

DATE 5.11.30

Bel advised 2.9.30

CHASSIS DELIVERED ON TO BY

CAR DELIVERED ON TO BY

SHIPPING PARTICULARS To Bombay per the Mantua on 2.1.31 by Wallace King & Co

CHASSIS DRAWING SENT TO Ho advised 4.9.30

GUARANTEE No. 3890 DATED 2.1.31 SENT 27.2.31 TO B.H.I.

INSTRUCTION BOOK ISSUED TO B.H.I. 13.12.30

ERECTION SHEET No. A 2782 DATED 1.9.30 SENT TO W.

SUB-FRAME

STEERING COLUMN E

SPRINGS FOR BODY WEIGHING: - 4 seats Open Tourer 8 csts

PASSENGERS: MAX. 4 USUAL 4

LUGGAGE: MAX. none USUAL normal nil

CAR TO BE USED IN India

LILLIE HALL ADVISED JG

Bel

	Order No.	£	s.	d.	Disc.	Invoice Folio
Special clearances - see By/Cy 63/5187.30.	1295					3589
Chassis - Wheel Base - Long.						
Chassis Fittings - nickel						
Radiator Shutters - (polished)						
Speedometer "AT"	10111	9	9		25%	645
Bonnet - Lined						
Wheels - Dunlop well base wire and one spare. 20x12"						
2nd spare Dunlop wire wheel.		5	9			645
Tyres Dunlop silent tread "orc" 32" x 6.00						
2nd spare Dunlop tyre		6	5	8	15%	1195
Spare Wheel Carriers - <u>Standard rear carrier</u>						
Luggage Grid Type						
Mascot						

X P.T.O. X

- " Rose Horn instead of Standard Klexon.
- " Ivory white finish steering wheel and Control Knobs.
- Nickel silver finish to instrument board fittings

1398

10

1399

✓ 10%

645

July

GNS-11

Type LONG HR Date on Test 6.10.30 Customer Barbery Hooper for H.H. The Maharajah of Udaipur

Date	PARTICULARS OF ORDER	O/No.	O.K.
1.9.30	"E" Steering	4259	HR
"	Sales Specif. Open Touring 8 Cwt.		
"	Pass. H. Luggage nil		
2.9.30	D/S Specif. Open Touring 8 Cwt.		
"	Pass. H. Luggage nil. Nickel.		
"	Spring (Special) 450 450 1100 1100		
"	Spring test to 50 lbs over each front & 100 lbs ea. rear.		
"	20" Dunlop Wire Wellbase wheels 6.		
"	Special clearance req'd for wheels with 20"		
"	Rims & 32 x 6" Tyres		
"	Special road springs for front & rear with		
"	1 1/2" positive cambers under normal load.		
1.9.30	Til: - 6-32 x 6" Dunlop 400 silent Quad Tyres.		
5.9.30	400 silent Quad Tyres		

C.H. Cards by [Signature] Date 4.11.30 Remarks [Signature]

Guarantee effective from 2.1.31 Date Despd. 4.11.30 Recorded by [Signature]

RR 316 (10H) (DG 411-23-8-29) BM 5/787. P.T.O.

A8H. 50

Polished Shuttles. WEFCO. hang filler cap on Radiator

Date	PARTICULARS OF ORDER	O/No.	O.K.
5.9.30	Key 864 V 88 Louvered Bonnet.	182962	HR
"	Polished nickel radiator shutters.	4259	HR
20.9.30	Bosch Horn in lieu of Klaxon.		HR
"	Ivory white finish Steering wheel, control		HR
"	Knobs, change speed & Brake lever grips,		HR
"	Radiator shutter control knob,		HR
"	Inspection lamp socket & plug,		HR
"	Klaxon switch & cover.		HR
"	Nickel plated control quadrant. Black letters		HR
24.9.30	Nickel silver finish to Instrument board fittings.		HR
29.10.30	Standard Rear carrier now required.		HR

WHITE DIALS

REMARKS.

* White Ivory finish Steering Wheel, Control Knobs, Change Speed + Brake Lever Grips, Radiator Shutters Control Knob Inspection Lamp Plug + Socket + Maxon Switch + Lever as per L.O.P. F57496, By/TND 2/8 By/CS.1/IG26930. E23930.
 Nickel Plates Control Quadrant with black letters. Nickel Silver finish with black lettering to Thermometer, Ammeter, Control for Shutters Starts Carb. Oil Gauge Switchboard, Warning Light, Telegauge + Pump. White Dial to Ammeter, Oil Gauge Thermometer + Telegauge
 © Special Front + Rear Springs with Frame + Front + Rear Shock Dampers modified to suit as per By/HVB3/175930 + By/HVB14/175930 + F59450 length 2 Leather Covers for Rear Spring Shackles Boxes to Comp Chassis dtd to Lillie Hull per BMS X 249 12.11.30
 ♦ A.T. Speedometer with Nickel finish, Silver Dial + black figures dtd to Lillie Hull per Y/S.1932 3.12.30
 ♦ Front Brakes have Terobestos Brake Shoe facings
 * A.T. Speedometer Drive (N.P) F55292 supplied to Lillie Hull

RR 643a. (3H) (6356-12-9-30) BM. 6/2925.

Chassis No. **G.N.S. 11.** Series **S/A.**
 Finish: — **NICKEL.** Type: — **LONG.**

*Ammeter.....No. 182962 Type ELLIOTT.
 Autovac and Piping.....L.O.P. F56550 No. F378040
 Ballast ResistanceL.O.P. D70843
 Battery Box and Fittings ...L.O.P. F56808 No. U6N Type. EXIDE
 Bonnet (L.O.N.V.R.E.D.).....L.O.P. E550629^{F55394} No. A6H
 „ LocksNo. 64 V 88 Type. H.T.V.
 Carburetter.....L.O.P. E55795 No. H5Z
 ControlsL.O.P. E54394
 CondenserL.O.P. D71505 No. A4H
 Cylinders.....L.O.P. E55334 No. A8H
 Cylinder Bore Sizes STANDARD.
 CrankcaseL.O.P. E55342 No. A8H.
 Crankshaft.....L.O.P. E55308 No. A8H.
 CamshaftL.O.P. E54371 No. A8H.
 Clutch and Flywheel.....L.O.P. G53692 No. A8H.
 Conn. Rods.....L.O.P. E55333 No. A8H.
 Cross Steering TubeL.O.P. G53601 Cent 49.72° No. Y3J
 Dash. Brkts., Footb'rds, etc.L.O.P. F56888 No. E2D. Type. E
 Dash. Ignition Terminal.L.O.P. D50718
 DistributorL.O.P. D51618 No. Y4J
 „ & W.P. Drive...L.O.P. E50308
 Dist. Board and Cut-outL.O.P. D51761 No. C8F
 DynamoGen. Argt. D50836 No. A5H
 Dynamo SuspensionL.O.P. D50610
 „ and Mag. Drive ...L.O.P. E54905
 EngineNo. **A 8 H.**
 Equalising Mechanism—
 Rear Brake, FootL.O.P. G53709 No. Y2J
 „ Hand.....L.O.P. G53730 No. Y2J
 Front Brake, FootL.O.P. G53462 No. Y2J
 Exhaust FittingsL.O.P. E55794 No. S4P.

SPRING TEST CARD. See Instructions Re Spring Tests.

Body—Type... *Open Touring* Weight... *896* lbs.
 Passengers—No... *4* Total Weight... *616* lbs.
 Standard Spares... Weight... *43* lbs.
 Luggage on Grid... Weight... lbs.
 Extras on Chassis... *1 Wheel N^o Side* Weight... lbs.
 " " " *1 - Rear* Weight... *124* lbs.
 " " " Weight... lbs.
 Load on Chassis Total Weight... *1689* lbs.
 Standard Chassis (No load with Oil, Petrol, Water, Tyres) Weight... lbs.
 Complete Car Total Weight... lbs.
 Distance of Load from Rear Axle... *33* ins.
 Max. Load Period... *average 90* per min.

Colonial Load... *Yes India*
 Destination... *50th over H-Springs*
 Weight... lbs. Position... *100th East. Time*

Spring	Camber	Buffer to Axle	Frame to Ground	Frame to Axle
Front "Near"	<i>1" P</i>	<i>1-875</i>	<i>23-75</i>	<i>6-875</i>
Front "Off"	<i>-1-125 P</i>	<i>2-125</i>	<i>23-875</i>	<i>7-125</i>
Rear "Near"	<i>-5625 P</i>	<i>4'</i>	<i>24-75</i>	<i>8'</i>
Rear "Off"	<i>-75 P</i>	<i>4-125</i>	<i>24-875</i>	<i>8-25</i>

Axle Height		Loaded Clearance	
Front	Rear	Under Flywheel Guard	Under Silencer Snout
<i>15-75</i>	<i>15-25</i>	<i>11"</i>	

EWT/HBS/T 22/10/30

Date... *20-10-30* Tests taken
 By... *G. Stephenson*

RR 30 G (Revised) (10H) (DG 6. 5-4-29) Bm 6/28

CARRIAGE SPRINGS.

Y3J Chassis No. *GNS 11*

	Drawing No.	No. of plates	Thickness over all	Initial unloaded Camber after test "Z" dimension	Normal load Camber	Load for normal load Camber	Length "L" at normal load Camber
<i>Wepco Gaiter</i> Front "near"	<i>F55526</i>	<i>10</i>	<i>2 3/8</i>	<i>2.77</i>	<i>1.75</i>	<i>730</i>	<i>38</i>
Front "off"	<i>-</i>	<i>-</i>	<i>-</i>	<i>3 3/4</i>	<i>-</i>	<i>735</i>	<i>-</i>
Rear "near"	<i>F55512</i>	<i>-</i>	<i>2 5/8</i>	<i>6 1/16</i>	<i>2"</i>	<i>1070</i>	<i>56</i>
Rear "off"	<i>-</i>	<i>-</i>	<i>-</i>	<i>6"</i>	<i>-</i>	<i>1075</i>	<i>-</i>

Springs fitted to drawing Nos... Front *F57412/55538* Rear *F57421/57235*
 Date fixed on chassis... *2-10-30* By... *SG*
 Thickness rubber buffer, rear... *1 1/16* of front... *1.850/1.625*
 Makers of springs... *SG* *Jurks*
 Inspected by... *SG* Date... *2-10-30*

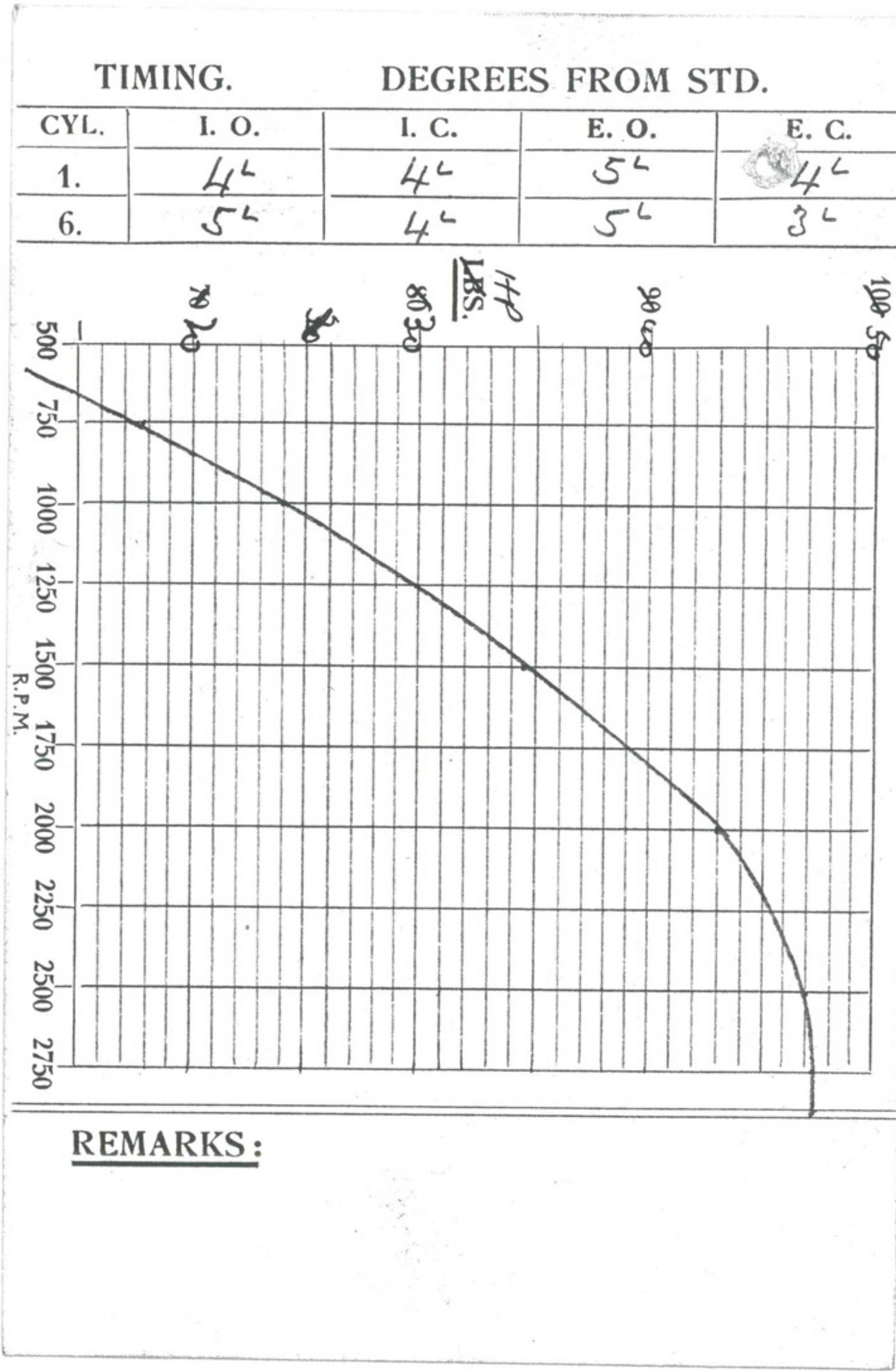
CHASSIS TESTED FOR ACCELERATION, ETC., AT FULL LOAD ON ALL GEARS AS BELOW.

Engine Freedom..... *01K.*
 Max. Torque..... *115* lbs.at *750* r.p.m.
 Top Gear 5 min. 500 r.p.m. *112* *114* lbs.
 " " 5 " 750 r.p.m. *113* *115* lbs.
 " " 5 " 1000 r.p.m. *110* *114* lbs.
 " " 5 " 1500 r.p.m. *103* *109* lbs.
 " " 10 " 2000 r.p.m. *97* *103* lbs.
 " " 5 " 2500 r.p.m. *84* *91* lbs.
 " " 10 " 2750 r.p.m. *76* *83* lbs.
 1st " 10 " 2000 r.p.m. *238* lbs.
 2nd " 10 " 2000 r.p.m. *238* lbs.
 3rd " 10 " 2000 r.p.m. *144* lbs.

Mag. c 750 Rev. 115 lbs.
" " 2750 " 83 "

Diameter of Test Wheels..... *32* ins.
 Condition of Plugs after Test..... *01K.*
 Cylinder Lubrication " " *good & even*
 Oil Press. *28* lbs./sq. in. Oil Cons. *—*
 Timing Battery *B.A.I.* Mag. *M.A.I.*
 Axle No. *A.S.H.* Ratio *11X50* Heating *—*
 Consumption and Radiation, Top Gear Full Power,
 2000 r.p.m. Bar *74.8 (Bar.)* Air Inlet *24* °C.
 Petrol Consumption..... *33* pints per hour.
 Water Flow at 80° C. *5* gals. in *6* min. *30* sec.
 Tests taken by *W. Gable* *100 miles* Date *7/10/30*
 Passed by *W. Gable* Date *7.10.30*

RR 298C/1, 3RD REVISE (10H) (DC 573 2-1-28) MP 377667
20 H.P. DYNAMOMETER TEST.
 G. Bore A.S.H.
 ENG. No. A.S.H.
 CHASSIS No. *111*
 G.N.S.



REMARKS:

RR29G (5H) (9872/2530)		Bm. 6/2004				SERIES <i>S</i>		
WORKS No. <i>GNS11</i>		MATERIAL TEST RESULTS				CHASSIS No. <i>S</i>		
TITLE	Test No.	Brinell	Izod	Stan-ton	Max	Yield	Re'd A%	Elong.%
Crankshaft	<i>YG 4203</i>	<i>317</i>	<i>51.6</i>	<i>6772</i>	<i>67.0</i>	<i>62.6</i>	<i>57.2</i>	<i>20.0</i>
Con Rod	<i>YG 1</i>	<i>506</i>						
	<i>2</i>	<i>448</i>						
	<i>3</i>	<i>449</i>						
	<i>4</i>	<i>493</i>						
	<i>5</i>	<i>404</i>						
	<i>6</i>	<i>53</i>						
Camshaft	<i>P12768107</i>	<i>241</i>	<i>-</i>	<i>6470</i>	<i>53.0</i>	<i>-</i>	<i>57.6</i>	<i>25.0</i>
Front Axle	<i>YG 4232</i>							
Front Pivot (Off)	<i>YG 168</i>	<i>248</i>	<i>60.0</i>	<i>3561</i>	<i>57.4</i>	<i>43.6</i>	<i>58.6</i>	<i>25.6</i>
Front Pivot (Near)	<i>168</i>	<i>248</i>	<i>60.0</i>	<i>3561</i>	<i>57.4</i>	<i>43.6</i>	<i>58.6</i>	<i>25.6</i>

TITLE	Test No.	Brinell	Izod	Stan-ton	Max	Yield	Re'd A%	Elong. %
2nd Motion Shaft								
3rd ,, ,,								
Prop Shaft (Front)								
,, ,, (Rear)								
Rear Axle Tube (Off)								
,, ,, (Near)								
Rear Axle Shaft (Off)								
,, ,, (Near)								
Date <i>20 7 31</i>		Signed <i>[Signature]</i>						

Goods Supplied

Chassis No. *GNS 11*

<i>4. 12. 30</i>	<i>A.T. Speedometer (N.P) Silver Dial Black figures</i>	<i>(41932)</i>	<i>Lilli Hall</i>
<i>15. 12. 30</i>	<i>A.T. Speedo. Drive (N.P)</i>	<i>F55292 (45690)</i>	<i>" "</i>

ESTABLISHMENT CHARGES	MATERIAL	TOTAL	SHEET NO.	DATE		
93 3 8	12.243 9 6	15.152 19 5			<p style="text-align: right;">Brought forward:-</p> <p><u>BARKER & HOOPER (Coachbuilders, India) LTD.</u> Messrs.</p> <p style="text-align: center;"><u>FOR - HIS HIGHNESS THE MAHARAJA OF UDAIPUR.</u></p> <p style="text-align: center;">NEW "HOOPER" OPEN TOURING BODY NO.7503.</p> <p>On 20/25-HP. Rolls-Royce Chassis, 11-ft. Wheelbase, "E" Stg. GNS-11.</p> <p>-----</p> <p><u>TYPE OF BODY.</u> New "Hooper" Open Touring Body. Drawing No.4574.</p> <p><u>SEATING.</u> Two persons (including driver) on the front seat, and two on the hind seat.</p> <p><u>FRAMING & PANELS.</u> English ash framing strengthened by body plates; aluminium panels.</p> <p><u>DOORS.</u> Four - main doors hung on rear pillars; driving seat doors hung on front pillars.</p> <p><u>HOOD & SIDE CURTAINS.</u> Hood covered with Grey waterproof twill; side curtains detachable; leather envelope cover for hood when down (see extra cost)</p> <p><u>WINDSCREEN.</u> Divided horizontally; narrow fixed bottom half; top half hinged at top to swing forward.</p> <p><u>VENTILATORS.</u> In each side of scuttle.</p> <p><u>WINGS & STEPS.</u> Domed aluminium wings and valances; long side steps covered aluminium, edged angle plate.</p> <p><u>PAINTING.</u> Fast Carbyn No.324/28 to Body panels with black moldings; black wings and valances; Cellulose finish throughout.</p> <p><u>UPHOLSTERY.</u> Red 'Celstra' leather throughout; cushions and squabs pleated (not buttoned); spring web cushion frame stuffed with horsehair; folding armrest to centre of hind seat.</p> <p><u>FLOOR COVERINGS.</u> Front and rear floorboards and rear seatboards covered with Sorbo rubber matting; pile carpet to rear floor.</p> <p><u>PROVISION FOR TOOLS.</u> Accommodation for tools under front seat, in box in nearside step, jack under bonnet.</p> <p style="text-align: right;">PRICE:-</p> <p><u>SPECIAL ITEMS.</u></p> <p>Red leather envelope cover for hood when down, instead of standard waterproof</p> <p>Set of six 'Regent Plate' Beakers, with two Thermos flasks, fitted in Cabinet at back of driving seat:- It is 5-0-0.</p> <p>Clips for two guns, one each side of "companions" with "wells" let into floorboards:-</p> <p>Necrolaque finish instrument board, with metal beading surround:-</p> <p><u>ACCESSORIES.</u></p> <p>Set of Lucas hickel plated outside electric lamps, P.80 DB headlamps, two wing lamps, hand inspection lamp, two instrument board lamps, tail lamp, case of spare bulbs:- 28-10-0</p> <p style="text-align: center;">33-10-0 1/3.</p>	<p>525 (</p> <p>8 10</p> <p>10 (</p> <p>5</p> <p>10</p> <p>28 1</p>
93 3 8	12.243 9 6	15.152 19 5				587

ESTABLISHMENT CHARGES		MATERIAL	TOTAL	SHEET NO.	DATE					
3	3	8	12.243	9	6	15.152	19	5		
Brought forward:-						587	0			
<p><u>BARKER & HOOPER (Coachbuilders, India) LTD. Messrs.</u> <u>FOR - HIS HIGHNESS THE MAHARAJA OF UDAIPUR.</u> <u>NEW "HOOPER" OPEN TOURING BODY. NO. 7503.</u> <u>On 20/25-HP. Rolls-Royce Chassis, 11-ft. Wheelbase, "E" Stg. GNS-11.</u></p>										
<p><u>ACCESSORIES. (Contd).</u></p>										
<p>1/2. 21 acc. f 33-10-0 do. 3-7-0 Lucas electric windscreen wiper, including fitting:- ✓ 3 7</p>										
<p>do. 4-0-0 Smith saloon type spotlamp fitted to centre of scuttle, operated from driving seat:- ✓ 4 0</p>										
<p>do. 3-10-0 Front Wheel Brake "stop" lamp, including fitting:- ✓ 3 10</p>										
<p>do. 4-10-0 Cobra wind horn:- (Silver plated one supplied) ✓ 4 10</p>										
<p>do. 5-5-0 Clock on instrument board:- (White face black figures on one supplied retained f 6) ✓ 5 5</p>										
<p>do. 3-10-0 Rolls-Royce mascot:- ✓ 3 10</p>										
<p>do. 1-0-0 Flag mast fitted to mascot:- ✓ 1 0</p>										
<p>do. 17-10-0 "Hooper-Fendex" single full-bar bumper to front and double tubular "C" bumpers to rear, including fitting:- ✓ 17 10</p>										
<p>do. 35-0-0 Two sets of French Grey waterproof covers to cushions and squabs:- ✓ 35 0</p>										
<p>do. 6-10-0 Lucas R.440 Nickel plated centre lamp fitted between two main headlamps with Bosch control footswitch, fitted and wired up:- ✓ 6 10</p>										
<p>do. 13-10-0 Udaipur Crest engraved in glass front of centre lamp, and two spare glasses also engraved:- ✓ 13 10</p>										
<p>do. 6-18-0 Twelve scarlet silk flags 6" x 4 1/2" with Udaipur Crest painted on both sides of flag @ 11/6d. each:- ✓ 6 18</p>										
<p>do. 25-0-0 Forging and fitting additional parts to Rolls-Royce spare wheel carrier (supplied with chassis); making up a dummy hub to form dual spare wheel carrier at rear:- ✓ 25 0</p>										
5	8	3	189	12	11	584	6	6		
<p>Less 15% $\begin{array}{r} 88-10-0 \\ 13-5-6 \\ \hline 75-4-6 \end{array}$ Less 15%:- 107</p>										
<p>Motor Body. f 533-16-0 Dyno + acc. f 75-4-6</p>										
6	8	11	12.433	2	5	15.737	5	11		