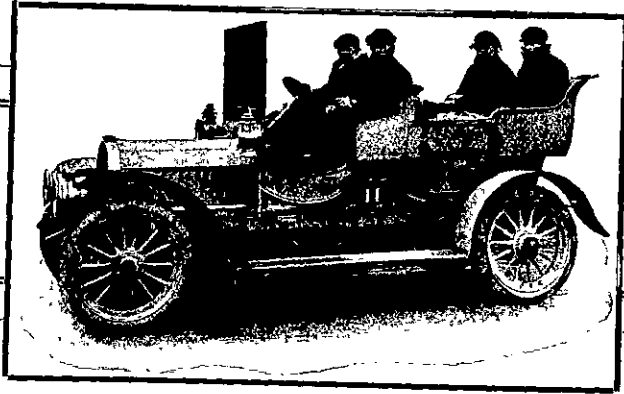


Motors.



Motoring.

MOTOR NOTES.

The first Government motor omnibus line in Austria has been opened for service between Neumarkt and Predazzo in Southern Tyrol. Two buses are now used, of 28 horse-power each, and built by the Austrian Daimler works. They seat seventeen persons, and are fitted with light canopy tops

The French automobile exports for the first six months of the current year were valued at 78,869,000 francs, or about 10,000,000 francs more than for the same period last year. The imports of automobiles into France increased very slightly during this period.

The total output of petroleum in the Prussian province of Hanover in 1906 was 59,196 metric tons, worth £187,000. In Bavaria the whole production was only 131 tons, worth £600.

Reliability Trials.

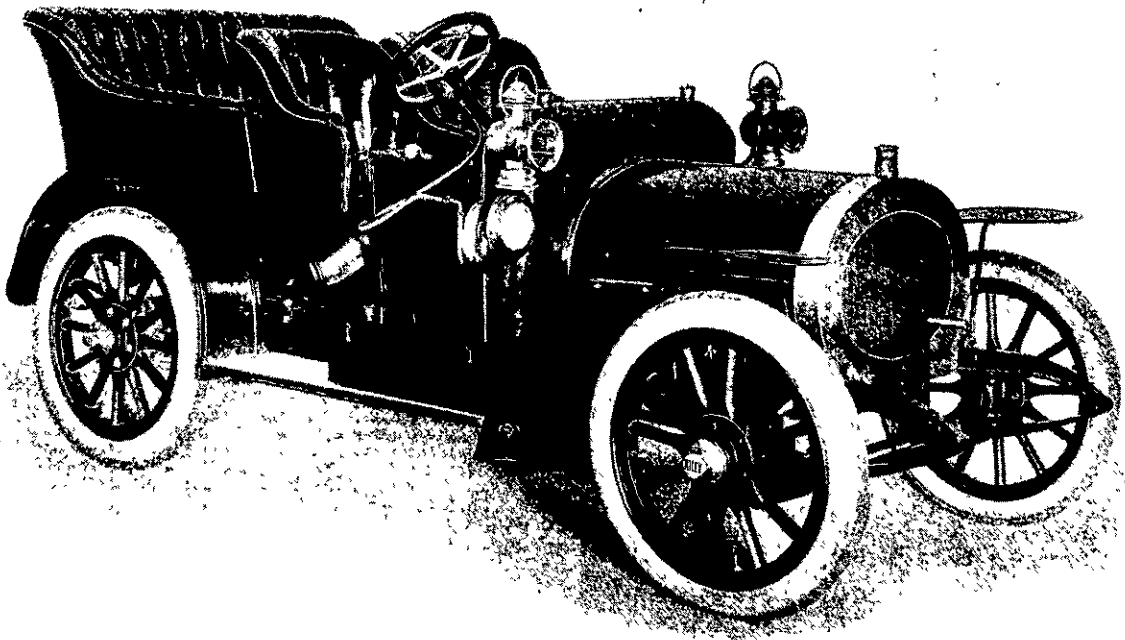
CHRISTCHURCH TO DUNEDIN.

PETROL CONSUMPTION TEST.

The following are the results of the petrol consumption test held on the second day of the trial. The table shows the weight of the loaded car in tons, the amount of petrol consumed in gallons and the number of "ton miles" run per gallon. The cars are given in order of merit —

	Tons weight.	Gallons.	Tons miles per gal.
E. Dorman's 20 h.p. Rover (Owner) ..	1.623	5.39	38.84
Adams Ltd.'s 15 h.p. Talbot (R. M. Macdonald) ..	1.656	6.22	34.34
J. Peacock's 15 h.p. Enfield (J. F. Best) ..	1.485	6.18	30.99
Adams Ltd.'s 15 h.p. Talbot (F. N. Adams) ..	1.725	7.25	30.69
W. E. Mills's 12-16 h.p. Talbot (Owner) ..	1.501	6.53	29.65

	Tons weight.	Gals.	Tons miles per gal.
D. Matson's 15 h.p. Talbot (Owner) ..	1.712	8.67	25.46
E. F. J. Grigg's 20-22 h.p. Dennis (Owner) ..	1.890	10.21	23.87
W. K. Macdonald's 15 h.p. Darracq (Owner) ..	1.363	7.42	23.69
Adams Ltd.' 22 h.p. Minerva (A. Kerr) ..	1.645	9.03	23.50
D. Crozier's 30 h.p. Cadillac (Owner) ..	1.823	10.14	23.19
Adams Ltd.'s 12-16 h.p. Talbot (H. T. Adams) ..	1.401	7.92	22.81
Cooke, Howison and Co's 7-9 h.p. Stuart (Clarke) ..	.862	5.00	22.24
Dr. Neeley's 16 h.p. Reo (Owner) ..	1.117	6.50	22.16
Skeates & Bockaert's 30-40 h.p. Darracq (E. Bockaert) ..	2.020	11.82	22.04
J. S. Hawkes & Co.'s 20 h.p. Alldays (A. F. Collins) ..	1.034	9.71	21.70



THE 12-18 H.P. VIBRATIONLESS RILEY CAR.

[Photo. by courtesy of Messrs. Trengrove and Petherick.]

The total number of motor vehicles of all kinds, including cycles, which are licensed in the United Kingdom is 119,618, of which 61,617 are pleasure cars, 4124 are commercial and heavy motors, and 53,877 are motor cycles. These figures show that nearly 16,000 more pleasure cars were registered in 1907 than in 1906. There are altogether 205,606 driving licenses in operation.

About 500 drivers of motor taximeter cabs in Paris went on strike recently. They complain that they are no longer able to make more than 8 to 10 francs per day, and are also dissatisfied with the rule of the company according to which they are made responsible for accidents caused by them. The company owning the cabs explain that the reduction in the earnings of drivers is due partly to the dead season now on, and partly to the multiplication of motor cabs, the number of which in Paris has now passed the 1000 mark.

R. English's 10-12 h.p. Stuart (Owner) ..	1.052	4.71	29.25	Dexter & Crozier's 10 h.p. Cadillac (W. Felton) ..	1.079	6.50	21.41
A. Mtoen's 15 h.p. Humber (Owner) ..	1.535	6.78	29.20	Dr. Finch's 15 h.p. Humber (Owner) ..	1.535	9.50	20.84
Mrs. E. Bockaert's 8-10 h.p. Darracq (Owner) ..	.756	3.42	28.51	M. Steed's 8 h.p. Reo (Owner) ..	.818	5.21	20.24
G. A. M. Macdonald's 9 h.p. De Dion (Owner) ..	1.078	4.92	28.26	Skeates & Bockaert's 10 1/2 h.p. Darracq (H. Rollinson) ..	1.257	8.21	19.75
Jones and Sons' 18-24 h.p. Siddeley (J. F. Hammsley) ..	1.692	7.57	27.51	A. G. Nalder's 10-12 h.p. Stuart (Owner) ..	1.166	7.78	19.33
Dr. Thacker's 16-20 h.p. Argyll (L. B. Young) ..	1.803	8.57	27.14	J. S. Hawkes & Co.'s 10 h.p. Alldays (Mitchell) ..	.985	7.50	16.87
D. Wood's 14 h.p. Dennis (Owner) ..	1.584	7.53	27.13	W. E. Thompson's 15 h.p. Ford (Owner) ..	.703	7.53	12.04
T. Y. Wardrop's 14-16 h.p. Argyll (Owner) ..	1.434	6.92	26.73				
P. L. Hallenstein' 20-28 h.p. Darracq (Owner) ..	1.785	8.64	26.65				
A. J. Toxward's 6 h.p. Siddeley (Owner) ..	.789	3.89	26.16				

The mileage run on the day was 129, and the method of calculation adopted is to multiply the weight of the car in tons by the number of miles, and to divide the product by the number of gallons of petrol consumed. This gives the "ton miles" travelled by the car for each gallon of petrol.