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The "Seven" provides comfortable seating for two grownups and two children, and its equipment includes electric starter, 4 -wheel brakes, speedometer, shock absorbers, electric horn, balloon tyres, automatic oiling, etc. Send to-day for booklet.

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NEW HLLL IN THE
Forming part of the new section following Bluehills Mine, Rocky Lane has a maximum gradient
"LAND'S END." Forming part of the new section following Bluehills Mine, Rocky Lane has a maximum gradient " LAND'S END." of 1 in 5 and two hair-pin bends; it rises out of Trevaunance Cove, Perranporth. A first photographs to be published of the $7 \mathrm{~h} . \mathrm{p}$. Fiat on the road.


## The Holiday.

The weather prospects for the next few days are hopeful and motorists are looking forward to what is generally considered to be the best holitay of the yent for those who ride awheel. Unce nasain, however, we would emphasize the importance of rimorously followin: crery dictate of Safety First.

## This Week.

Full programmes of all the Easter motoring events appear on our centre and subsequent pages. These include the London-Lambl's Lint-with an entry of $n$ fewer than $\overline{3} 30$-and the Bank IInliday mecting at Brooklands. "Photogranhy and the Car" will apmeal to a wide circle of readers at a time of the year when cameras are once natian in evirlence. Test run renorts of the $\delta .3$ hip. Finault and the threewhecled D'Pissan are given, whilst exciting incidents which have taken jllace in track races and so forth are leseribed in an article entitled "The lanck of the Game."

## ON OTHER PAGES

Cyclecar Comments.
Ibolography and the Car
The Luck or the Game
Liousing Flat Dwellers' Cars
Road Tests of 1926 Models:-
The $8.3 \mathrm{~h} . \mathrm{D}$. Renault
The D'Yrsan Taree-wheeler Rich Mixture
Topics of the Day
The "Land's End " Programme
Ercoklands Easter Meeting Standardized White Lines Cur Readers' Cpinions Club News $\qquad$
LIGHTING-UP TMES (Rear Lamps) lor Saturday, April 3rd. Londoin.. . 7.01 ridinburgh Londoln.. 7.01 Fidinburgh .. 7.21 $\begin{array}{llll}\text { Newcastle } & \text { 7.19 } & \text { Liserpool } \\ \text { Birmingham } & 7.19 & \text { Bristol } & 7.14\end{array}$

Driving Licence Statistics.
In 1925 the total number of drivins licences hold in Grent Britain was $1 ; 923,900$, in increase of 279,500 ovel the jear 1924.

## Rumours of "Traps."

Motorists passing through Dorking should drive cautiously, as there are signs of police activity, particularly at week-ends. P'art of the London Lioad is also "under repair, causing a " bettleneck."
There are rumours of police traps in the Potters Bar district on the Great North Road. Care should be taken to observe the 10 -mile limit through Matield.

## Next Week.

Reports of the Faster motoring events will figure nrominently in The Light Car and Cyclecar mext week, narticular attention being given to the London-Land's End Trial. An article libely to be of special interest is a description by "Focus" of a LeaFrancis "Wizard" model which he has been running for the past threc months and which is nerhans the fastest car of its type on the roads. The $1,4!6$ c.c. its type on the roads. The rated at 11.3 h.p., develops 5 aj b.l.p. at $t, 600$ r.p.m.

Lorry Driver Fined.
A driser ul a motot lors who was prosecuted by the A.A. was fined at Totenham for driving on the crown of the road for some twe miles and declining to drive in to the stle despite repeated sounding of horns by ears attemplins to overtake.

## Good and Bad Roads.

The Automobile Association has prepared a series of maps showing the condition of the roads in various parts of Englaud and Scotlatd. It is refreshin: -o note that the thick black lines denut ing goud roads are plentiful everswhere, but it is obvious that much still remains to be dene.

## New By-pass Opened

The R.A.C. is informed that the first of the Hew by-passes which are being constructed in counection with the nex Loadon-Folkestone road will be avail able for traffic at Ènster. This by-pass, which is one of four. will enable motorists to avoid Charing wilh its awkward corners. The by-pass is S00 yards long with a 80 -ft. carringeway.

## The Parking Muddle.

Thousanls of motoriens will learn wibl relief that the whole subject of parking cars in London is to be reviewed by the London Traflic Advisory Consmittee, and it is to be boned that the opinion which we nut forward in $n$ recent editorial article will be borne in minel. This, in briff, related to the twohour time limit. and our recommentation was that it should be extended to at


## Congestion in Leatherhead.

The increasing tratic ibrought Leatheriead during week-ends is the cause of much conmestion and consequent delay. To relieve this the R.A.C. recommends all car drivers and motorerelists passing through Leatherhead to Dorking and onwards to use the road through the Crescent instead of the Migh Street. This will avoid tife sharp corner into Church Street and will reduce very considerably the traffic congastiou in the narrow IMigh Street.


LIGHT CAR PROVERBS. - No. 14.
Does this picture suggest to you an old or original proterb? If so, w-ite it on apostcart addressed to the Editor and marked Proverb No. 14 in the top left-hand corner. A prize of a guinca is offered for the most appropriate proverb submilfed. If two or more readers submit the same winning proverb, the prize will go to the sender of the first to be judged. Only one solution may be submilted by individual sompetitors. No submilted by be done before or after next Tuesday. For the be done before or after next Tuesday. For the
winner's name and address see next week's "Ainner's name and a

## Hard Luck.

$\Lambda$ man who broke into a Bromles; licut, garage, stole a quantity of revolver ammunition and other articles. Ile was arrested, and the garage proprictor was subsequently fined $£ 5$ at the local court for being in unlawful possession of the ammuuition.

## Still Going S rong.

Veteran motorists will remember the early single-cylinder 8 h.p. Rover cars which mere very popular about 17 yents ago. One of these wins seen on the road on a recent Sunday with five passengers aboard and "going strong." It had been fitted with electric lighting and au electric horn of the most powerful type. but otherwise it appeared to be entirely siandard.


THE "BLUEHILLS" HAIR-PIN

And an excellent view of the off side of the $7 \mathrm{~h} . \mathrm{p}$. Fint. The car was stopped without a sign of a skid. In the M.C.C. trial competitors bave to ascend the bill

New Car Park at Brooklands.
Provision for a large number of cars is being made immediately inside the IBoxall's Lodge entrance to Drookizuds.

Fashions in White Lines.
The genius of inventors is being anulied in a very cnerinctic way to a solution of the white-line problem. One

Spanish Motor Show.
The free entry into Syain of motorcars and aceessories intented for the Motor show to be held at Madrid from April 10tli-20th has been authorized.

## The Season Begins.

Judging by the number of private cars which were coming and going in the


On the left a new form of datted white line, which is made up of rubber discs let into the reedway. (Above) A reinforced "block" made of rubber. Both types are designed to form permanent lines.
idea hails from Neweastle-on-Tyne and talies tho form of a dofted white line, the dots being formed by white rubber dises, 1S ins. npart, let into the crown of the road. The liend of each "mushrem " stands up from the road surface to a height of about in. It is anticipated that the doted lines mill always be visible, no matter how dirty the road may become. A further development is the introduction of indiarulber blocks having a core of perforated steel, the two being secured by countersunk bolts to a wooden foundation. These are being moduced by Redferns Rubber Co. Ltil.

Austin Seven in Egypt.
At the Egyptinn Royal Automobile Club's recent speed event, a sports Austin Seven won the 100 metres acceleration test, beating the best time of even the " unlimited" class.

## F.N. Price Reduction.

The prices of the rante of $11-30 \mathrm{~h} . \mathrm{p}$. F.N. cars have been reduced. The new priees are:-Тwo-senter, £35\%; fiveseater, $£ 360$ : semi-sporting four-seater.
 iour-door saloon, E 4 f f J .

## Provisional Standards.

The latest I.A.E. dnta shects issued by the S.MTMt. and ' $\Gamma$. coneern small levers, tyre pumps, mountings, fork ends, joist pins and tierord ends. In addition, interesting notes on the use of aluminium in motor-body constructiou have been prepared in sheet form.

## A Veteran.

An exhilitit of special interest at the Motor Show organized by Rootes, Ltid. at Madstone, was one of the carliest Sunbenm cars. It had a single-crliuder engine of about 4 h.p., which drove the axle by flat belting. The enr lind one whed in front, two amidshins and one hehind. The front and the back wheel were steered, whilst the central whee!s were driven. The car was recently driven from Wolverhampton to Maidstono under its owu power.
vicinity of the County Hall, Westminster, London, on March 2⿹\zh26th-Qurter Day-many motorists have been saving the cost of the first guarter's liecuce. The begimuing of the second quarter of the year generally warks the opening of the motoring season proper, and from now onwards until the end of the third quarter the roads will have to carry a very lentry burden.

## Extra Road Guides.

In view of the anticipated inerease of rond traflic over the Easter holidays. tho IR.A.C. is putting out extra guides, especially at dangerous cross-roads and corners.

## Useful Light Car Wagon.

The 7 h.p. Peuncut is now leing marketed with an extremely uscful wanon body. Known as the farmers' utility carl Ginished in good stylc and with plenty of accommodation, this catr sells coomplete fur £14.

## Future Parking Sites.

It has been suggested to the: Loudon County Council by the Minister of Transport that, in future, any largo buildings erected in London should have car parking facilitics arranged, cither inside the building or, by setting back the fronlage line, immediately outside. The L.C.C., however, does nat see its way elear to adopt the suggestion.

## The Vienna Motor Show.

Great Britain was not represented at the Vienna Motor Show, and German cars, once very popular in Austria, were few in number. Freach lifht enrs, judging from the eshibits, practically ruled the market, such makies as Citroūn, Renault, IIathis, Buchet and Peugeot being very much to the front. Prices are fairly bigh in Vienna owing to the protective tariff. Thus, according to the present rate of exclange. a linfirt two-seater of Austrian make costs £ 330 .


## better Parking AT BROOKLANDS

The new open-air park (arrow) inside the Borall's Lodge entrance. It will probably be finished io readiness for the meeting on Monday next.

## TEN ENTRIES FOR R.A.C. GRAND PRIX.

ONE of the dificulties with which mrospective entrants in the I:A.C. Grand Prix were faced, namely, the date, has been removed. Fixed originally for Bank Moliday, August 2nd, the event has been postponed until the following Saturdny, August 7th. Concurrent with this aunouncement comes the news of ten entrics, so we shall have a British Grand Prix after all.

Although the entries are not wumerous they actually represent the eream of 1,500 e.c. racers, and the titanic strustle for supremacy between such a mere handful of cars should
make the race keenly interesting from start to finish.

Details of the course to be iollowed at Brooklands have not yet been disclosed, but it is higlly probable that an artificial $S$-bend will be included.

| Car. |  |  |  | Entratit <br> J. G. P. Thomas. <br> J. G. P. Thamas |  |
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| 9. | Delaze |  | ** | M. | Martel. |
| 10. | Delage | - | - |  | Martal. |

# CYCLECAR COMMENTS. 

By SHACKLEPIN.

SINGLE-CYIINDER ENGINES-VARIABIEE INLET-VALVE LIFT-MAKING STARTINGEASY-A NOVEL MASCOT -MORGAN LUBRICATION.



The size of this scale-model Morgan may be judged by its comparison with a standard sparking plug.

THIE wonderful reliability and longevity of single-cylinder engines are well known to the majority of my readers. I have just ceived parliculars of a 1909 SizaireNaudin the owner of which is still using it with evers satisfaction.

Actually the Sizaire is not a cyelecar; practically its only claim to that tible lies in the fact that it has an ash frame. However, there are many points of interest to be found in the design, and I propose to describe some of them rery briefly.

The engine is rated at 8.9 h.p. and the eylinder is water-cooled in the usual mamer. A very ingenious form of speed control is fitted. The accelerator pedal, instead of being connected to a throttle in the carburetter, controls a variable inletvalse cam; that is, the cam is slidably mounted on its shaft and is formed with a varying contour, from zero to maximum as it were.

Thus, according to what part of the cam face is in contact with the tappet. the valve is given a greater or lesser lift; in this way it functions as a throttle, and the cam can, of course, be moved so that the valve is not lifted at all-the equivalent of closing the throttle entirely.

Fixed ignition is used and both clutch and foot brake are controlled by a single pedal, the first part of the travel withdrawing the clutch and a further morement applying the brake. Incidentally, this brake is housed inside the differential casing, the drum being formed in the crown wheel.

Reverting for a moment to the engine, it is interesting to note that a half-compression cam, acting on the exhaust-ralre tappet, can be brought into nperation when the engine is being started, the cam being timed io lift the valve on the compression stroke and thus relipes the pressure slighty: Without this derice it is doubtful if the engine could be
pulled orer compression by means of an ordinary starting bandle.

The reader whose letter prompted these remarks gives it as his opinion that the single-cylinder engine offers a hoperul solution to the $£ 100$ cyclecar problem. This may, perhaps, be the case, but after reading aibout the Fejes light car in this journal last week I rather think that we may hope for four cylinders for our £100.

Of course, the Fejes is in no sense of the word a cyclecar, but if it can be built to sell at $\{100$ surely there are zrounds for hoping that a machine such as we are wanting can and will be produced for the same figure, or even less.

The photos which form the heading to this page were sent to me by $n$ reader, Mr. S. Reeves, who, evidently, is a craftsman of no mean order. Being also an enthusiastic Morgan owner he decided to make a model of his "Aero" and to use it as a mascot on the radiator cap. Most people in doing this would have been content to get the general appearance about right and "hang the details." Not so Mr. Reeves, however : he decided to make a real model and worked to a scale of ${ }^{3}-\mathrm{in}$. to 1 ft .

The chassis frame is made from $\frac{1}{6}-\mathrm{in}$. and $3-64-\mathrm{in}$. brass tubes silversoldered together, whilst the body is hammered from a single piece of sheet aluminium with separate lourres and floorboards. A motorcycle valve stem formed the "raw material "from which the eslinders and drop-out fork ends were machined and umbrella rings do duty as tyres. Workable steering mechanism is fitted, the wheel being a three-spoked clock balance wheel.
leality is given to the flexible exhaust pipes ly making these from Bowden outer casing with the waterproof covering removed. Crepe rubher, covered wilh red materinl left
over from the Queen's doll's-house is used for the upholstery. Touthed wheels from a watch-winding gear are fitted in the bevel box and the dog clutches and operating forks are workable.

Since the photos were taken a hand-brake lever of better monortions has been fitted, and I think it will be agreed that the resulting model is a credit to its maker.

Several readers have written to me asking how I have fitted the duplicate sight-feed lubricator to my Best and Lloyd pump. This extrat lubricator is, of course, for use in connection with my chain-oiling idea. It so happened that I had by me a complete sight fed, and I managed to fit it more or less neatly by means of a 'T-piece.

A certain amount of "tinkering " was necessary, and as others may not be inclined to go to quite so much trouble I suggest that they write to Best and Lloyd, Lid., Birmingham, for one of the special adapters which enable twin drip-leeds to be fitted to one pump.

During my next attack of energy I propose to fit my Aero with grease nipples for use with an Enot's gun at every point on the chassis which, at present, has screw-down greasers or oil-holes. But I shall not use grease, because, in my opinion, gear oil or heavy engiue oil is better, as, once in the bearing, it is more or less self-feeding; that is, it refuses to be forced away from the surfaces in contact-a feature not possessed by heavy grease.
of course, there are lubrication points on a Morgan which must be fed with grease; amongst these are the operating forks of the dog clutches which require a plentiful supply if wear is to be prevented. A tenacious grease should be used-one that will not be flung off by centrifugal force. I can recommend Crim sangere for the purpose.

## THE LONDON-LAND'S END RUN.

(BY ONE WHO KNOWS IT WELI)



MANY motorists are interested in the wild birds and animals to be sceu from our highways, pet few take the trouble to make their week-end jaunts more interesting by haking a closer view of the habits of wild creatures.

In the spring season the presence of a pair of binoculars on the car will provide the means for many an enjoyable hour, either down some by-way or on the coast. It is surprising bow few are the owners of binoculars who regularly carrs them; of course, they cannot be used effectively while the car is in motion, but a halt in some peaceful countryside is very enjoyable and one finds that the song of the lark, the call of the plorer and the general chorus of bircl life, which cannot be heard when the car is in motion, are additional charms.

Many birds, by reason of their protectire resemblance, are not easily seen at first, pthers proclaim their presence haloud hoth in appearance and call. Gulls are an example of the latter; they usually rely on the safety provided by nesting on sone more or less inaccessible place and are not disturbed

In the le:ding picture an observer is watching a pair of Oyster Catchers near their nest, at the side of a Scottish burn. In circles: (Left) The Oyster Catcher sitting. It has a black and white body, red legs and bill. (Centre) Young Golden Plovers secure in their natural camouflage. (Right) The Cor* morant.
by a watcher with binoculars at some distance. One of the photographs depicts a gullery in Scotland; the birds can be seen quite easily without leaving the car.

The metbods of fishing adopted by different species of bird offer a very interesting subject for the watcher. The cormorant-one of the most numerous of the diving birds round our coast-makes a clean dire.

I hare timed one who remained 40 seconds under the water before coming to the surface to swallow its catch. Other birds, like the gannet and tern, fly above the water and make a dive when a fish is seen. In contrast to these, the stately
heron wades in the shallows of a river, and woe betide the fish which comes within the range of its pointed bill.

While driving along the roads of our uplands, marent birds are frequently to be found with their young either on or near the road. I was fortunate in seeing a young greenshank from the car while in the Western IIighlands last year. Ifaving stopped and located the bild with binoculars, I obtained a fhotograph of this species which is usually so difieult to find.

On the Forkshire moors I found young golden plovers within 200 yards of the main road on three consecutive evenings. Several hundred cars must have passed the place, and it would be interesting to know how many other motorists even suspected their presence.

Animals also are very interesting and are not infrequently met on the hishway. I have never encountored a fox when driving, but in my cycling days I surprised one round a quiet corner scenting along a hedge at the roadside.

Hites are fairly common in some districts; they hare a food turn of speed and indulge in very curious antics when chased. Iredgelogs are more often seen after dark in the glare of the headlamps, and, with their short, even steps, they always appear to be on wheels as they glide iuto the roadsido on the approach of a car.


The nest and eggs of the Water Hen, a bird well distrituted throughout the British Isles.

Squirrels may be seen in many parts of Eingland and Scotland, but, unfortunately, they are, as a rule, too wild for one to get very close to them. When it is known that they are about, the best plan is 10 stop the car and keep quite still, when they will soon become accustomed to yous. In the writer's opinion they are among the daintiest and most fascinating of living creatures.

The motorist who adopts birdwatching as a pastime will find that even the dreariest country topographically is often quite interesting, owing to the abundance of bird life, which, perhaps, has previously passed quite unnoticed. Is his knowledge of birds increases, he will find that there are many more species in Great luritain than is crenerally imagined and, should his wanderings take him to the west coast of Scotland, he may see the king of birds in its natural enviromment on our island.

At the present season bird life is perhaps more interesting than at any other period of the year, for nesting is proceeding apace and in the warmer districts young birds may already be scen in the nests. The cueer call of the cuckoo will soon be heard-already there are, in fact, those who have actually heard itwhilst the clear bell-like tones of the thrush make a halt in a country lane something to thrill the senses and to give one a feeling that it is good to be alive.
N.L.


THE HOME OF THE GIILIS

The spring usually offers the most ad. vantagcous opportunitics for the amateur photographer as the light is at its best. There are pitfalls, however, which the artist must avoid: they are explaincd in this article.

## and the

Car

LST as car owners may be classified by the way () in which they use their cars, so it is possible to separate the great arms of shutter "clickers" into three main groups:-lisst, the mere snapshotter: "You press the button; we do the rest " brigade; then the man who realizes that there are all kinds of photofraphs, but who wants only those that may have some outstanding interest, piciorial qualificalions or value for utilitarian purposes; and, finally, the "serious worker," out for art studies; not necessarily a man Who makes a profession of photography.

The influence of the car on the photomraphic activities of all these groups is cnormons and is worth considering in some detail.

Nearly evarybody today carries a camera, and it is ineritable that a large incroase will talie place in

THE CAR AND
(1) At Newquay, Lornwall. The car shares the interest with the o'd house. (2) Near THE SUBJECT. Aberyatwyth. The photograph illustrates very little and lacke buman interest. There should be a driver at the wheel. (3) A photograph which illustrates how a distant view needs foreground, this being provided by the car and the tumbledown rock wall.
chtatining what are known as " souvenir " or "memento" plotographs as the "car habit" spreats. It is a flne mospect for dealers and all those who hendle the work in this connection. Nore and more we rely on " mass methods" for the production of all the necessaries ol' life and not a few of its luxuries.
it is sad, however, to think of the emount of film that will be wasted by this increasing army of "car-cum- camera" neople for lack of a litte knowledge. last summer was wonderful for the uroduction of socalled "brilliant" photographes, ansl hundreds of albums sll over the collitry have been filled in with these black-and-white summer momories.

Most of them have only a purely local interest which will appeal to a smaller and smaller circle of friend. and relatives as the years go by; they have served their purpose, however, even though they outrage every canon of pictorialism!
The majority of these camera users know nothing of art and care less about the lind of photo they ob) (ain, provided it is sharp and they ean see-however distorted-lhe scene at which they snapped the shutter.

These are the greater mumber by far in the first group, and many of them neither read the motoring lapers nor the photographic weeklies, which endeavout to lead the amateur photographer alonz the paths of jictorial rectituac: but the gap between the man (or woman) who merely snaps at slutter and that other who carefully finds the best position for the photo, wilh due regard to time of day, lighting and the " combusition" of the picture as a whole, is often only a small one.

A chance photo, enlarged by a far-secing photo"riblhic dealer, may bridge this gap and start the mere s.1:tpshotter on his seareh for photographs, which, even i1 they may not be artistic, will often be of much greater general interest than merely pictorial subjects.


THE SUBJECT AND THE CAR. A very fine photograph of Harlech Castle. Here the car is only a small detail of the scene and is not aggressive. A view of the Castle and not of the car was required.

## THE LUCK OF THE GAME.

STORIES BY EYE-WITNESSES OF SOME OF THB MAHDPEADTH ESCAPES WHICH HAVE BRED EXPERIENCED BY RACING DRIVERS.



## A THRILL AT MONTI.HERY.

"Conelli was within 7 ft . or 8 ft . of the concrete parapet and in full view of the grand-stand
when the car suddenly sideslipped, the rear off-side wheel hitting the parapet with a resounding smack. What followed will live in the recollection of the spectators for many years."

YOUR true racing enthusiast loves to see the sudden development of a dificult situation, and to watch every plane of the plan which the driver has instantly to adopt in order to extricate himself from it. This is often erroneously referred to as the "lust for thrills," but the term applies only in so much as the enthusiast is a driver himself and is thrilled by the skill of a master hand.
Let a man suffer grievous injury, and the spectator endures an agony as poignant as that which he would feel were the victim his own brother. He does not wisi to see crashes: be attends race meeting after race meeting to pay homage to the skill and daring of a handful of "super-men" without whom the motor industry would be very much the poorer.

In motor racing, as in every other sport, there have been fatal accidents, and one must, metaphorically speaking, stand bare-headed in memory of such gallant men as Perey Lambrit, Resta, Ascari, ZDorowski, Murphy, Nazzaro and so on, but there have been a far greate: number of almost miraculous escapes in which the skill and level-headedness of the drivers, coupled in some cases with a large slice of luck, averted disaster.
The annals of motoring deal scantily with these dirilling episodes, but there are several which merit detailed description, if only as a tribute to the men who were the principal figures, and who, by a miracle, so it semed, escaped practically unhurt.

If the writer were asked to describe the most exciting enisode he had witnessed on a racing track, he vould detail an incident which occurred during the 310. Nile Light Car Grand Prix which look place at Monthery in May, 1025. The hero, M. A. Isucialli, escaped without a scratch and the machine was un-

damaged, yet the sequence of events is probably without parallel in the history of motor racing.

Following a broiling hot morning the weather broke, and, to the accompaniment of thunder, lightning and torrential rain, the competitors hurted round the wonderful concrete snucer, drising under conditions than which there can be few more uncomfortable or dangerous.

Bucialli, in his gleaming little two-seater Buc, had been lapping consistently at round about the $90 \mathrm{~m} . \mathrm{p}, \mathrm{h}$. nark, and was high un on the steep sloje of the eastem banking, when excited exclamations burst from the lifis of the 20,001 -odd spectators, who, undaunted by the weather, were sticking to their posts of vantage in the grand-stand.

The tail of the Buc had given a decided lurch down the isanking, and the suectators watehed spelibomen. Taken unawares, Bucialli instantly jerked his wheel to straighten up, but this manceure had the opposite effect to that which he had anticipated. Comparatively slowly-if one can apply the term to a vehicle travelling at such a giddy pace-the tail swung down the stcep slope; with bated breath we watched the car skid broadside along the track with its nose pointing to the high edge of the saucer. Then, with suddenly increasing momentum, it twisted until it had made a half-turn and was actually facing the wrong way.

Still spinning, but approaching every fraction of a second closer to the deadly edge of the track, it almose completed the full turn of 380 degrees, and would proiably have hit the soft earth sideways and overturned had not lucialli, cool and level-headed, grasped his only chance of salration.

Jabling his foot on the accelerator, he locked over hard towards the side of the track and charged it,
still travelling, one assumes, at between $50 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. and 60 ni.p.h. It was a daring but successful action; the car skimmed off the track and struck the soft earth like $\Omega$ skiff being launched in a chorpy sea. For 30 yds . or 40 yds . the Buc bumped over the uneven surtace, then, with grim and characteristic determination, Bucialli swung back on to the track and continued to race as though nothing had happened.

Sustained and thunderous applause greeted his escape when he left the track, but it took on an almost


The evolution of Bucialli's extraordinary high-speed skid. The car actually bounded off the track, but the driver continued the race without stopping.
hysterical note as he accelerated past the grand-stand. Bucialli finished the race, and with honours, for he hat joined the select ranlis of racing motorists whom l'renchmen idolize and never forget.
Ilow near a driver may come to disaster without the public haring the least idea of it was exemplified at a Brooklands meating in 102-t, when Kaye Don, driving the giant "Viper," turned into the finishing straight. lashed under the llags at a sped approaciing $100 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. and, palling on the side brake, found to his horror that for some reason it was lacking the efficiency necessary to stop the car in the comparatively short distance between the finishing line and the upward sweep of the home banking.

## "Viper" Charges the Bank.

IIe had only fractions of a second in which to make up his mind, but, without hesitation, and having given a quick look hehind, he swong across the track and deliberately charged the sandbank at the foot of the members' hill-not head-on, but sideways, so that the oft-side wheels ploughed their way through the sand, sending up a fountain in the rear of the car, and effectively reduced the headlong pace. Jeven then the driver had some ditliculty in pulling the vehicle round as it shot out of the straight on to the home banking.

It may interest many Brooklands habitues to know that the increasing speeds of racing cars and the possibilities of incidents lilie this being repeated have inade it necessary for the finishes of fast races to be transferred from the proper finishing straight to other parts of the track.

There can sturely be few more alarming incidents, particularly for the driver, than for a wheel of a car to come off when the vehicle is trarelling at high speed. Yet, considering the gruelling to which wheels aud bearings are subjected, it is not altogether surprising. and one calls to mind three such incidents.

In the one case, Mr. S. F. Edge took the principal part. He was attacling records at Brooklands, when, to his amazement, he observed the sudden appenrance of a wheel which anpeared to be kecping him company, and for the merest fraction of a second he did not realize that it had detached itself from the car he was driving. With remarliable coolness he slowed down and managed to stop, haring suffered nothing worse than a nasty shock!

During the 200-Mile Race of 1023, E. L. Meeson had a somewhat similar experience, but he was fairly high up on the Byifect banking when the front near-side wheel actually detached itself. His first impression, as described to the writer, was that an unaccountable wobble harl set up which might be caused by an unusual form of wheel shimmy.
The actual cause of the alarming condition soon thrust itself forcibly on the notice of the driser, but the position was one of great delicacy, because fast cars were following him, and it was necessary for him not only to maintain an even keel, but to work his way down the banking.
With superlative skill he managed to achieve all this untii th:e car was trarelling at some $30 \mathrm{~m} . \mathrm{p} . \mathrm{h}$., and was almost at the fottom edge of the track. Then, howeser, it became out of control, took a headlong dive into the ditch and was pulled up by the soft earth. The driver and mechanic escaped with a shaking.

## Losing a Wheel at " 60 ."

The third cose of a wheel coming adrift is one which most readers will recall. It occurred at Shelsley Walsh when Liaymond Mays, hurtling up the hill in a Bugatti, was rather more than astonished to see what he afterwards discovered was his near-sinle back wheel actually several feet off the ground and racing past him as the slewed round a corne:.

Mays, like S. F. Edge, did not realize for a fraction of a second that it was the wheel of his own car, but it did not repuire elaborate deduction to come to the conchision tint the spectators would hardly be amusing themselves by hurling spare wheels in his wake, especially when he was travelling at 60 m.p.h., and so, realizing what had happened, he slowed down and managed to lieen the car under control.

It was in the $200-$ Mile Race of 1922 that another example of the luck of the game-one which taves the credulity of those who hear the story for the first time -took place. Jean Chassague and his mechanic were the princinal actors.
The story is told in a few words by a competitor who was following fairly close to the ili-fated car In

"Then. it became out of control, took
a headlong dive into the ditch and was pulled up
by the soft earth."
his own words, "as it approached the banking a tyre went 1hat anil the car simply slid up the side of the track and shot clean on into space."

It was all orer in an instant, and it did not sem possible that either the driver or mechanic would be alise when found. Fet, within 10 secs, or 15 secs.. they were hoth standing at the top of the banking waving their arms to show that they were all right. The car itself had turned a somersault in mid-air, crashed through sereral small fir-trees, snapping them of tike B21
carrots, and had finally landed, a semi-wreck, half through tite strong corrugated-iron fence at the bottom of the grass slope.

Chassagne and his mechavic were, providentially, flung clear and landed on the soft earth, missing trees by inches ere they alighted on terra firma after their nerial journey! Whe writer interviewed Chassagne nfter the race, and it was quaint to observe that his principal complaint seemed to be the loss of his shoes, both of which had been dragged off as he was shot out of the cockpit!

Transferring the scene of action once more to the track at Alonthery, one may describe the miraculous escape which Count Conelli experienced during the same jace in which Imcinlli so electrified the onlookers.

George Diller led Conclli by a matter of a few yards on the last lap as they dropped off the eastern banking and made for the finishing line at about 10.5 m.j).h. The track could not hare been in a more treacherous condition for sery fast travelling, for, although made of concrete, it was running with water following the storm.

Conelli was within 7 ft . or S ft. of the concrete parafet and in full view of the grand-stand when the car suddenly side-slipped, the rear off-side wheel hitting the parapet with a resounding smack. What followed will live in the recollection of the spectators for many years.

They will recall Connlli's desperate attempt to straighten un, which resulted in another wild skid, causing the front of side of the car to hit the parapet and injure an oflicial, followed by yet a second tail skid of such magnitude that the car appeared to bome ofl?
the parapet towards the centre of the track. Losing its stability, it then overturned and rolled along the concrete sideways, turning over and over, and literally bouncing over the hard surface in a series of frightful crashes, the while a great groan rose from thousands of throats, for Conelli hung grimly on to the wheel, his chin sund in his chest to protect himself so far as he could.

He might have escaped monurt, but with a stidden clange of direction the car reared itself up on end, and, by now giddy, confused and badly shaken, the driver temporarily lost his senses; he was flung out, then the car and driver rolled and slithered off the track alwost in company.

It was literally an appalling spectacle, and, standing amongst that vast emotional crowd, one realized how at Frenchman suffers when the hand of tagedy so forcibly obtrudes itself. It is impossible arlequately to describe the sudden revilsion of feeling which took place when the white-clad figure of Conelli was scen to stagger to its feet, stumble forward a few paces and be caught by willing helpers who had rushed to the spot. Men cheered hysterically, women broke down and cried openly.

It was discovered subsequently that Conelli was suffering more from shock than anything else, and that the car was so little damaged that it was able to be drisen back to the works under its own power!

There have been other thrilling episotes during highspeed work on track and road, but space forbids; sulficient has been said to show that the luck of the game plays a very important part in the racing cal driver's life, and that truth is indeed stranger than fiction.

## MOTOR SPIRIT FROM HEAVY OIL

TIHOSE of us who are beyond middle age can easily remember the outcry raised some 30 years ago on the sale to the public of "low fiash-point" lamp oil. At this time paraflin was extensively used for illuminating purposes and numerous accidents occurred through lamps bursting. so that legislation became necessary to saferuard the public.

Paraflin, then as now, was obtained by distilling crude petroleum, but in those days the low-temperature distillate we now call petrol was a waste product for which no possible use could be found. Huge quantities of it were deliberately destroyed by burning, but times hare changed, and, so far from being a drug on the market, petrol is now being demanded in ever-increasing guantities. While there is as yet un indication that the supply will be insufficient to meet the demand, there is nnother aspect of the question which must not be overlooked.

When crude petroleum is distilled it produces petrol and a number of light and heavy oils, and a few greases of the type of vaseline. It is obvious that if the oil market is to be kept steady the demand for these various products must be approximately in proportion to the rate in which they are produced, so that the cry for petrol, and still more petrol, has led to investigations being carried out on heary oils, both of petrolemm and other origin. with a view to producing from them a rolatile spirit of the petrol type.

The process is linown as cracking, and, although the technical details vary in different plants, the general principle is to heat the oil to a temperature of about 470 degrees C. (this is about 880 degrees $F$., and well abore the melting-point of metals like tim, lead and zinc) murler a pressure of about 750 lb . per sa. in., which is sufticient to prevent the oil boiling. It is maintained thus for a definite time, usually about 20 mins., when : reduction of pressure enables the light spirit which has been formed to be distilled off. A certain amount of inflammable gas is produced, but this can be used to heat the plant. "Coke" also is formod, but every effort is made to limit its amount, as any considerable bulk of this profluct necessitates dismantling the plant.

The chemistry of this process is very imperfectly known, it being one of the commercial problems calling l'or systematic research. There is no doubt, however, that the complex molecules of the heavy oil are broken down to the comparatively more simple molecules of light spirit by a rearrangement of the constituent atoms.

It may be argued that this cracked spirit is not petrol. That is true enough, although petrol is a word to which it is diflicult to attach a very definite meaning. It is not denied, however, that the chemical composition of cracked spirit is somewhat different from hat of a "straight-run" petrol; that is, the spirit distilted from crude petroleum in the normal manner.

From the point of view of the motorist, however, there is apparently little to choose between cracked spirit and normal petrol, while the former possesses a quality which, if the spirit became generally obtainable, might influence engine design. It is found that air carburetted with eracked spirit may be compressed to a much greater degree than that in which petrol is used without rumning the risk of detonation. Moreover, it is found that the temperature and mressure may be so adjusted in the process of manufacture that specially high-compression ratios become quite safe with the spirit produced. In tfis connection the recent regulations by racing authorities in regard to limiting competitors to the use of spirit ordinarily supplied to the public is not without interest.

Mention may be made of experiments now in progress by which it is hoped io obtain an eflicient motor spirit by hydrogenating coal dust. The process consists in mixing the coal dust with a little oil and "cracking" it by methods similar to those employed with heave oil. The project is as yet only in an experimental stage, but the results are more than a little encouraging, and it is guite within the realms of possibility that in the future we shall see a great home industry supplying our motor fuel.

Would it be too much to ask the suppliers of our petrol to give us just a little information about its origin? Such information would be of interest to most motorists, and might be of direct use to a few.
A.H.S.


## A TASTEFULI.Y-EXECUTED GARAGE SCHEME.

Th ASHION change with the times, and the mokern E. tendmey is, so far as town dwellers are concernen, chards livint in thats instad of in more expensive houses with their high incilental costs and domestic Jabour ditticulties.

Notutally in these circumstances there is a comparative shortage of ground space, and each tenant camot have his own private garden and garage. The latter is of great importance, as a car today is as much a frart of the family ifuipment as at wireless set ! The difliculty lies in housing the car within a reasonatbe distance, and many motorists realize this frem practical experience.
I:1 a faw years a vesidential area without garage facilities will be regatiled as ont of date, and its value will go down in consequence. Bearing this in mind, the proprietors of many estates are setting out to meet the lemand, and an interesting example of the provision of sound, serviccable garages, built as part of the general scheme of a group of residential flats, without spoiling the harmony of the surroundings, is to be foums at the Chomley Gardens estate of Domiciles


> At the top is a view from a top floor flat; 10 garages are in the foreground and 14 more are concealed in the background. Below this is a close-up of one of the lock-ups. Underneath, again, is a picture showing how little of the garages is seen from a putting green close by. On the left is a tennis court, using the garage backs as a side boundary.

Lde. West Hampstead. London. N.W.6. which was designed and laid out by Mr. M. Harver, the mometor and managing director of the company.
Camouflaged by temis courts, grass terraces and gardens are no fewer than 24 lock-up garages for the use of residents. The green concrete roofs are but little above the level of the surrounding gardens, whilst shrubs are planted on their edges to break the hard lines and further to add to the generally pleasing effect of the scheme.

As to the garages themselres, they are built on a
gentle slope which is coucteted and thoroughly drained. In each lock-up, which is 20 ft . long and 10 ft . wide, a water point is fixed and electric lighting-including an inspection lamp plug-is provided. Shelves, racks or cupboards can be fitted to the tenants' taste. A point worthy of note is that the junction of the walls and floor is carefully radiused to provide ensy cleaning and abolish damp and dirty corners.

The doors are cach in four sections and fold back against one of the side walls, being guided by runners hlush with the floor.

## THE 8.3 H.P. RENAULT FOUR-SEATER.

A FRENCH-bUIIT CAR WITH A NUMBER OF UNUSUAL REFINE-MENTS-POWER ENOUGH TO TAKE A FULL LOAD OVER EVEN THE WORST FREAK HILLS.


The car which wats lent to hes for test by hemant, Stl., Seagrave lioad, West IBrompton, London, S.W. 6 , was one of the latest four-senter four-floor touring ears. the price of which is $\{210$. The actual ear tested had previously covered rather more than 2,000 miles, and so was well run in and presumably at the top of its form, although, as it had been used for demonstration work-doubtless by a number of different drivers-we were prepared to make allowances. This, howerer, proved to be unnecessars, for the car ran silentls and sweetly

There were no body squeaks or ratlles, and eversthing seemed to be in perfect order. The conchwork retained almost its pristine newness cxcent that the nickel-plating-which would seem to be somewhat on the thin side-around the wiudsereen was beginning to allow the brass beneath to peep through.

The lirst impression which any experienced motorist would gain of the $8.3 \mathrm{~h} . \mathrm{p}$. Renault when taking it ored in London would be its exceptional focilif: The engine is brought to life by a 12 -colt stirter which is very powerful and absolutely dead silent, and the clutel is freed with the lightest pressure. The gear lever, which has a very short trarel, can be placed in second for getting away from rest and the change to top, if taken slowly, requires no skill or practice. The steering, ton, is vers good indeed, and at its very best in town. In the country one could wish for a little more caster action to make it somewhat stiffer

It is seldom in these days of balloon tyres and frontwheel brakes that any car can be accused of having steering which is so light and free that it feels hardly comfortable in the hands of one who is accustomed to
be ealled upon to make some effort, at least when rounding sharp corners.
'Jaking the kenault out of the I.ondon traflic on to main roads, we soon found that the very low gearing gives a splendid pick-up and vely good hill-climbing indeed. It has a correspondingly adverse effect upon the maximum speed of the car. 'The actual gear ratios frovided by the three-speed centrally controlled box alo: top $6 \frac{1}{5}$ to 1 , second 12 to 1 , bottom $2 x 1$ to 1 . Wilh such ratios as these one cannot look for very higlt speeds, but the engine of the car we tried was able to rev. sulliciently to give a maximum of $42 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. on top gear and 21 m.p.h. on second. Most owners Would dnubtless consider that the speed of the engine was high enough to be good for it on long runs at about 34 m.p.h., at which speed the car runs very sweetly; and has plenty of power and acceleration to spare. As $40 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. is approached, however, tlie engine soumds as though it is working rather too hard, and alonve that speed vibration suggests the advisability of "sasin; the pressure on the accelerator pelal.
()n the short-wheelbase chassis which is used for crrtain models the gear ratios are somewhat higher that on the long-wheelbase chassis used for the fourseatur and saloon, the ratios being $\tilde{j}^{2}, 10 \frac{1}{2}$ and $19 \frac{1}{2}$ to 1 , and these, we think, on British roads and for the average man's requirements, would be rather preferable to the lower range provided as stanclard.

Is it was, we found that the car we tried was able
comfortably to tackle quite steen main-road hills, with a load of four grown-up passengers, in top gear, whilst during the two days that the car was in our possession bottom gear was used only once. On this secasion we had been for a trip with a full load around the hills in the neighbourlnod of 'Iring, Betlihamsted and the Ivinghoe district, and on our return journey fassed the root of the well-known test hill which has been dubbed "Slimy Tunnel " by orginizers of competitions, and which has beon known when in bad contlition to fail 30 ucr cent, of the compelitors in a trial. On the day in question the surface was dry although very rough and stony.

With its fall load the Renault climbed half the clistance in second geal and topped the summit in bottom at about $10 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. on roughly two-thirds throtlle. This ascent of what is admittedly an absolutely freak hill convinced us that a party on tour with an 8.3 h.p. lenault need have no hesitation in putting it at any such famous climbs as Porlock, Amulree or even the redoubtable Tornapress. In the case of long climbs there would appear to be no risk whatever of the cooling water boiling, for we found it impossible to raise its temperature to anywhere ncar boiling point, even by treatment calculated to do so if the slightest defect existed in the cooling system.

On the score of economy the 8.3 h.p. Renault leaves no grounds for complaint. Jespite its very low gearing we registered a consumption of $39 \mathrm{~m} . \mathrm{p} . \mathrm{g}$. over 150

miles of town and country rumning with a full load. and the consumption of oil is on an cqually economical scale.

The bralies of the ear which we tried, althongh not in purticularls good ndjustment, proved well up to their work, the four-wheel system operated by the pedal being progressive in action and calling for little efort for its application. The hand brake, which acts only on the rear wheels, is quite powerful. whilst the convenient centonl locntion of the lever makes it quite pleasant to use in tranlic and on other ocensions when the right fomt is occupied with the nccelerntor pedal. We should prefer the compontional gear gate to the push-into-iop arrangement which is standardized.

The bodywork of this four-seater model is generously planned, there being room for three adults to
sit side by side cither in the back or the front seats whilst there is more than ample leg-room in frout and quite suffeient behind.

An unusual refinement in comection with the equipment of the cat is the provision of a toolbox in a locker formed behind one rumbing-board valance, and of a battery box formed behind the other. The latter provides a convenient and unobtrusive receptacle for carrying the battery. but suggests that the need would arise for its remoral when examination of the level of the electrolyte was necessary.

The weight of the car, complete with its cfllipment and wilh the th-mallon petrol innk filled, proved to be 15 cwt. 81 lh .-n by no means excessive figure in view of the nccommodation which is provided and the sturdy nature of the general build of the cas.

## THE 1926 D'YRSAN THREEWHEELERS

## IMPROVED TRANSMIS. SION AND ADJUSTABLE HEVEL GEAKS-THE SUPER SPORTS MODEI. ROAD TEST OF STAND. ARD SPORTS TYPE.



The super Sports $D^{\prime} Y_{r s a n} p r e s e n t s$ a very striking appearance. It has an eagine of $\mathbf{1 , 1 0 0}$ c.c. capacity.

CEVERAL improvements have been incorporated in Dite latest 1.5 yisan morlels. The most important are to be found in the transmission, which has been strengthened throughout. The propeller shaft is larger in diameter and the rear end is titted with a thrust race and a self-aligning S.K.F. bearing. The bevel drive to the countershaft has also been improved and appears to run more silently than before.
An arrangement has now been made by which wear in the bevel pinions can be taken up from the exterior of the casing when necessary. Tive general layout of the standard chassis otherwise is similar to that of the 1925 types. In the self-starter models, however, the wheelbase has been lenglhened slightly to make room for the starter. which is of the dynamotor type, coupled directly to the nose of the crankshaft. The steering has been redesigned. Large eccentric bushes are now fitterl by mends of which adjustments can very easily be made.

Cast-steel. instead of nluminium, is now used for the steering bos and this provents any possibility of play developing in the bush housings. The ball races of the chain smrockets are now enclosed in steel dust covers screwerl into the sprockets. The steering arms, which are made of chrome-nickel steel, have been made somewhat heavier. and the front-wheel brake controls have been strongthened. For the rest, as already mentionel. the machine follows previous D'Yrsan practice.

In the case of the snorts model the power unit comprises an overhafd-valve Ruby engine having a bore and stroke of 57 mm . and 95 mm . respectively, dise clutch rimning in oil, and three-speed-and-reverse gearbox: the clutch housing and gearbox are built up in г2G
one unit with the engine. In the touring inodel the engine has side valves and a bore and stroke of 55 mm . by 95 mm . respectively, giving a cylinder capacity of 904 c.c.
In the front, suspension of the D'Yrsan independent springing is given to each wheel. There is no front axle, properly speaking; instead, two half-cantilever springs, each composed of eight principal blades, are anchored above and helow the steering pins. The central points of attachment for the upper springs are very much wider apart than for the lower ones. By this disposition of the points of attachment an inclination of the wheels occurs during the absorption of a shock.
The rear suspension is ingenious and very substantial. The forks for the rear wheel are composed of two rery substantial (lrol) forgings in a special stecl. These are stiffened by a cross-member and hinged to the back of the berel gear casing, the latter being a steel casting. A gear reduction of 2 to 1 is given by the bevels. The driving chain sprocket contains a shock-absorbing device similar in that used on chaindriven motorcycles, but naturally much more substantial.
In addition to the standard tonring and sports models, a special streanlined sports model with a guaranteed speed of $85 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. is made to order. The body on this lype is rather interesting. It has been designed by a well-known French aeronautical engineer to give the absolute minimum of head resistance and it resembles a section cut from the wing of a large aernglane.
Although rather bizarre, the appearance of this model is quite pleasing. An example which we examined at
the D'Yrsan works in Paris had been fitted with an 1,100 c.c. C.I.M.E. engine.

We made a 120 -mile high-speed road test of a D'virsan sports model in the neighbourhood of Paris recently. Abominable weather conditions prevailed and stretches of bad road surface were chosen intentionally in order to give the suspension a chance of show-


The return joumey to Parls was made in almost exactly the same time. Thanks to the eflicient little hood fitted, the occupants were kept dry throughout the trip. This hood is a very sound affair-quite a contrast to the kind of thing found on mans Frenels sporting cyclecars.

The sports body was rather too narrow for comfort with two up, but this trouble is to be remedied in future models by fitting staggered scats. Another minor detail which is shortly to be improved is the nrrangement of the pedals, which are at present much too close together.
Two features of the J'Yrsan are worthy of special praise-the suspension and the steering. The springing is up to the standard which one expects-and finds-in the very best class of Firench light car built for French roads. Higher praise than this one cannot give. The steering is light, but absolutely irreversible; it gives one the impression of driving a medium-weight four-wheeled car. When travelling over quite a rough surface at from $40 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. to $45 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. both hands may safely be

Various modifications and improvements have been mads to the 1926 model D'Yrsans. A model similar to that illustrated here was tested by us recently in Paris. Very good suspension and entire freedom from skidding are noteworthy features of the design.
ing its qualities. When we first took orer the car a fine, steady drizzle of rain was falling, and conditions seemed suitable for a skidding test.

The smooth, damp asphalt of the splendid a senues in the Bois de Bonlogue offered an excellent field for the purpose, but an hour or so of speed bursts, followed by violent braking convinced us that the D'Yrsan three-whecler is Far less liable to skid than the average four-wheeled car. It seemed, indeed, practically impossible to make the machine skid.

The powerful fromt-wheel brakes could be applied safely when travelling quite fast and pushed hard on until the car came to rest without causing the rear wheel to deviate an inch from the straight line.

In the afternoon we started outwards through the dismal northern districts of Paris, leaving the city by the lorte de lantin. By this time the drizzle of the morning had become a genuine downpotr of cold rain, accompanied by freguent and violent little gusts of wind. This weather continued for the rest of the day.

## Fas: Average Speed.

Our destination was a village on the Narne about If miles from Paris. The road thither is more or less straight, like the majority of French main roads, and the surface consists of altornate stretches of ordinary maradam and old, worn paré.

The dirts suhurb of Pantin, with its tramlines and heavy lorrs trafic, was soon left behind, and we passed the towns of Clarge. Meaun (with its lovely old cathe(lral shouded in driving rain) and La FertésousJonarre.

Shorllg after passing the last-mentioned town we arrived at our village. Which lies between La Ferte and Chateat-Thierry, having completed the 5 miles in cxactly an hour and a quarter orer a give-and-take road.
taken off the steering wheel and the car will keep a straight course if running on the crown of the road.

With regard to wheel-changing, which is so often the snag in three-wheelers, we tried this under cover in a garage. Even a sense of duty towards our readers could not induce us to change wheels on the road in such weather, just for the fun of the thing!

## Interchangeable Wheels.

The rear wheel can be changed as easily as the wheel of an ordinars car. A jack is placed under the rear corner of the chassis frame. A nut and locking nut are removed, and a small security pin pulled out from the end of the taper spindle. The spindle is then pullel out and the wheel, with its ball races, instantly drops clear.
The chain sprocket is not disturbed, as the wheel hubs are provided with dogs which engage in slots in the sprocket, the latter remaining on the fork. All the wheels are interchangeable.

On the whole, we were very favourably impressed with the D'Irsan. It is a sporty little machine, with a rery good turn of speed and capable of rapid acceleration, and the engine appears to have an ample reserre of power for all occasions. One noint noticed in the D'Yrian was the large wheel-lock possible. The machine can indeed be turned in an amazingly small radius.

D'Yrsan cars are handlet in this country by N Trsan, Lttl.. 33. Kimnerton Street. Kuigitsbridge. Londna, S.W.1. in whom all British inquiries slould be addressed.


## Easter.

IALWAYS think that Easter is the finest holiday of the year, for it gives one an opportunity to get right away from the locality in which one lives and to enjoy to the full the benelits conferred by ownership of a car. The Easter holiday extends from Thursday night until Tuesday morniug for most people, giving four clear days and thus allowing them to cover a quite considerable mileage.

Easter has acquired a reputation of recent years for really excellent weather. For four consecutive years the bulk of my own Easter holiday has been spent on the London-Land's End run, with a dash back to the cast on Sunday in order to be at Brooklands for the Bank Holiday meeting. On each occasion I was treated in the west to my first taste of real summer weather. Last year none of the spectators on the west country test hills wore overcoats, whilst the year before there were many in flannels amongst the thousands who gathered on Bluehills Mine.

## Another Record

TTHIS year the Land's Fnd run breaks all recorils, not only for the M.C.C. events, but for road erents of any kind, with an entry of no fewer than 530. The vast majority of these competitors are enthusiastic private owners, who are competing for the fun of the thing, the trade element being in a big minority. This gres to show that the trade ban on reliability trials will not prove so serious a matter for the organizers as many are inclined to believe. The London-Edinburgh, which is held at Whitsuntide, should therefore be as hig a success as ever, particularly so far as the car competitors are concerned. as I fancy there are many more private entrants in the car classes of these erents than amongst the motoreyelists.

## Gang Warily.

ISUPPOSE that the larce majorits of rearlers are now miles away from home and beginning already to think of the return journey. They will be well adrised if they carefully observe the recent editorial exhortations and allow themselres plenty of time. so that no risks need be taken on the trip. If the Clerk of the Weather is kind on Bank Holiday, the roads around our big cities are going to be more crowded with "mugs" than they have erer been before, and it brhores all of us to be B2S
specially on the alert and to take every possible precaution agalust falling foul of them.
" Mugs," perhaps, is rather an unkind word. hut it is a trait of all molorists to be intolerant of beginners and their difliculties. We feel, many of us, in the unreasonable way in which one does view these matters, that beginners should learn the art of driving in some remote place where they caunot be a nuisance to others; but this, of course, is impossible in nine hundred and ninety cases out of a thousand, and it is really our duty to dealize the fact and to act accordingly.

I myself have often felt inclined to lean out of a car and howl abuse at some obviously new and incompetent driver. but what right have I to do so? And what discustingly bat manners it would be. We should all try to bear in mind this Easter that each of us is mercey a unit amongst thousands. We must conseguently put un with conditions as they are, rather than expect the whole world on wheels to make way for us, to pander to our whims and to extend courtesies which we ourselves are often loath to offer.

## How They Get You Home.

IHave often wondered how the R.A.C. "Gel-you-home" scheme worked in practice. A friend has now enlightened me. "My car was put hors: re combat by a collision," he said, " and I placed myself entirely in the hands of a R.A.C. Guide, who sent one-half of my voucher to the nearest car-hiring depot. After a very short interval I and my party were bowling along the road in : homeward direction. The same evening I duly filled in the other half of the voucher and sent it hy post to the R.A.C. Nothing complicated about it at all; everything worked as smooth as clockwork, and what a boon it was!"

## Instruction Book Faults.

THE difficulty in compiling an instruction book is to judge how much knowledge the reader may be assumed to possess. One would not eagerly undertake to write the ideal instruction book for any car; but to improve on many that exist would he easy enough. Their writers, for example, should familiarize themselves with the booklets issued by the makers of components before airily referring the reader thereto. These booklets are often themselves of considerable size, dealing with several types of lighting set, starting sets or mag-
netos, as the case may be, and the inexperienced owner does not easily identify his own type.

Further, the instruction book does not always keep pace with changes of specification. When an owner reads that " this model is fitted with a Lightning magneto," and tinds a Sparkwell on his car, he goes back to the agent for an explanation, and is not readily convinced that the book, and not the car, is att lault.

## No Lights.

HAD I been doing it tor a wager I should have suffered agonies of apprehension; as it was I knew nothing at all about it until my passenger spotted the omission; but let me explain. Leaving a garage just after 8 o'elock, one rery dark weuing last week, I crossed vearly two miles of londun's busiest thoroughfares before I was rewinded that I had not switched on my lights!

## Side or Overhead Valves?

DESPI'TE the enormous number of successes gained by Austin Sevens and by cars fitted with BritishAn\%ani and ollare side-vialve engines, the efliciency of side valves is often uthestioned.

I was one of a mathering a tew days ago at which the age-old topic of the relative merits: of overhead and side-ville designs

SIDE-VALVE SIMPLICITY.
"Focus" comments on this page on the case with which a side-valve engine may be decarbonized. There is no need to disturb the valves and the tappet settings remain unaltered. From the point of view of sheer efficiency an S.V. engine is at a disad jantage, but it certainly scores so far as ease of maintenance is concerned.
was discussed, and was particulary struck by the fact that whereas everyone present was arguing in terms ol turbulence, pumping efficiency, rate of flame propagation and so forth, none mentioned the undoubted advantage of the side-valve unit when the time comes to decarbonize.

With even the best overhead-valve designs it is impossible to gain access to the combustion chamber vithout disturbing the tappet settings, whilst I know of a number of engines on which one has to spend at least an hour getting various adjustments shinshape after the head has been replaced.

## Decarbonizing in Two Hours.

TTHE advantages from the accessibility point of view of a side-valye design were brought home to me with some force abcut this time a year ag. when, for some unaccountable reason, one of the exhaust ralves of the engine in my sports Ariel got rather badly burned a few days before the London-Land's End run. This engine, of course, was of the side-valve variety and the removal of the head, the replacement of the defective valve, decalbonizing and haring the engino under way again occupied only a trifle more than a couple of hours. I know no o.h.v. design which permits a valve to be changed in twice that time ff the work is to be done methodically and everything afterwards to de accurately adjusted.

## The Lost Compression.

I$N$ this connection $I$ am reminded of the experience of a frieud of mine who took the head off his o.h.v. engine for decarbonizing. After replacing it and going for a short run he found that the gasket was blowing. He accordingly removed the valve rocker cove3r and lightenct down the cylinder-head bolts, after which the engine declined to start and could not be conxed to give a single pop until it had been towed to IEtrage, where a mechanic spotied the fact that there was no tappet clearance and that most ol the villes were setually held slightly of their seatings. The owner in fuestion had, of course, been accustomed to a side-ralve engine and it did not oceur to him that pulling down the cylinderhead bolts of the o.h.r. unit would rednce his tappet clearances.

## When Timing the Mag.

ISIOTPLED in the instruction book of the S. $3 \mathrm{~h} . \mathrm{p}$. lienault a splendid tip for helping one to get an accurate magneto setting. Possibly it will be stale news to some readers, but, as I hare mot myself heard it before, it will doubtless be fresh to many. The idea, which is intended to assist one to discover the cxact moment when the magneto points begin to break, takes the form of pulting the top of a cigarette paper between them and then slowly turning the engine whilst pulling gently on the cigarette paper. So soon as the rocker bears on the cam the cigarette paper is, of course, releasel. 'This scheme strikes me as being much more practical than the ancient dodge of wiring up a pocket lamp bulb and battery, whilst the apparatus called for is surely of the simplest nature.

## Brake Horse-power.

IAM not a rery scientific person and $I$ am also rery credulous. I therefore marvel at the 350 c.c. air-cooled single-cylinder engines which one
sees advertised by motoreycle manufacturers as being capable of developing anything from 10 b.h.p. to 17 b.h.p. 'These are not special track-racing engines, but are built and sold for ereryday use upon the roads.

How different are standard power units used iu lig'tt cars! I know two manufacturers of 900 c.c. engines who claim 13 b.h.j. and 17 b.h.p. respectively, whilst one very eflicient little o.h.r. unit of nearly 1,100 c.c. has only 20 b.h.p. claimed for :t by its maker. In addition, there are plenty of 1,490 c.c. engines which will propel cars weighing a ton when loaded at from $(6$ m.p.h. to $50 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. on a gear of 5 to 1 or higher, and ret which are described by their makers as developing only 25 b.h.p. or therealsouts.

## Revs., Power and Consumption.

$\bigcirc$
NE gathers either that motorcyelists will lut up with a rough, rackety, semi-racing engine provided that it has the pep, whilst car owners will not, or that two-wheeled folk are given to exaggeration whilst makers of four-wheelers are singularly morlest. The latter theory seems most likely to be correct, particularly as the trend in the motorcycle world todaly is lowards 500 c.c. engines, excent for pottering and for those competitions in which the rider does the propelling and his machine serves merely 10 restrain his zeal.

A point in connection with engines capable of showing very high b.h.p. figures is that one has to gear down to an almost ridiculous extent to enjoy the maximum power at roard speeds of under a mile a minute-and if you do so the petrol consumption rises with the revs.

## Cavaliers of the Cross-roads

O$N$ sereral occasions recently I have been ansed at the courtly manner in which A.A and R.A.C. men on point duty in the country have given me the signals to proceed. There has been nothing of the stiff semaphore action of the traflic policeman, but a bow and a wave almost suggestive of the age of doublets and cloaks. Can it be that the universal habit of dancing is having an influence on physical reportment?

DESIGNED FOR THE FARMER.
This model of the 7-12 h.p. Peugeot, known as the "Farmer's Utility Car," sells for $£ 145$. The body work is of a type which is very popular in France, but which so far has not "caught on" in this country. The value of the car for farm and estate work should need no emphasis.


## The "Land's End."

TMHAT interest in motoring sport is on the incratsi cannot be demied in Vieny of the recortl entry of Bi30 machines for the Motor Cyeling Club's LondonLathl's End run, which iss the principal event this holitaly. The entry is composed of 217 solo motoreyeles. 10 s sidecar machines, - 0 ) cyclecars and 18.5 cars. latst year only tot vehicles book part. All classes ot motorist are getting keener (in competitions of this kind, and so great is their enthusiasm becoming that mganizers of long-listance road events will soon be compelled to limit the number of entries to keep the tield within reasonatble hombls. Already the moblem of supplying food, shelter and fuel for the drivers, massengers and cars is becoming extremely difficult to solve.

The most astounding thing in connection with events such as the London-Land's Fnd run is that, allhough considerably more than a thousand people drive from one side of the kingdom to the wther, passing through numerous towns and holiday resorts, practically no one save keen motorists and those connected in some way with the erent know from where the machines have come, their destimation or why they are taking part. In spite of this, however, iong-distance events are flourishing, and it is fortmote, perhaps, that they do not receive the publicity accorded to other forms of :port. As things are, the sport is healthy, clean and enjoyed by every competitor; there are few -prorts of which that can be satid to-day.

## Signals-a Warning.

IT is not appreciated by the rast majority of 1 drivers that they have no right to expect, or to rely unon, hand signals given by other road users. A tendency has arisen of late for drivers to think that signalling is compulsory, whilst there are wen those who imagine that if a driver in front stops without giving warning they are privileged to smash into him and then ubtain redress for the damage done to their vehirle. The opinion of the law is exactly the reverse. The man who is legally responsible for causing an accident is the man who is negligent, and to stop cannot possibly be remarded as negligence. The question of signalling does not enter into the matter. The defendant's counsel will say, "Here was a man going so fast that he could not stop betore crashing into the
"THE LIGH1 CAR AND CYCLECAR" WAS FOUNDED IN 1912 TO CATER FOR THE NEEDS OF USERS AND POTENTIAL PURCHASERS OF LIGHT CARS AND CYCLECARS, AND IT IIAS CONSIST. ENTLY ENCOURAGED THE DEVELOPIMENT OF THE ECONOMICAL MOTORING MOVEMENT FOR OVER THIRTEEN YEARS.

NO CAR WITH AN ENGINE CAPACITY EXCEEDING 1,500 C.C. $11 \pm$ LITRES) COMES WITHIN THE SCOPE OF THIS JOURNAL, THAT CAPACITY BEING GENERALIY RECOGNIZED AND ACCEPTED AS THE LIMIIT FOR A LIGHT CAR ENGINE.

car in front." Is liere a jury or a bench in this country which would not find in his favour on the strength of this assertion?

Let us consider another case. Suppose a car be approaching a cross-roads, and the driver, keeping well in the centre of the road, extends his right arm. A following driver would decide that the car was turning right and might endeavour to pass on the near side. If the leading car, however, actually turned left and a collision thus occurred, the man who was overtaking doubtless would be held to be negligent. The fact that the driver of the front car held out his right hand when about to turn left would have no significance. The overtaking party would have to prove that he was not negligent, yet admit that he wats in so great a hurry that he could not even wait for a few seconds to make sure which way the leading car was going to turn. Hand signalling has been ponularized by drivers as a matter of courtesy and for their own guidance. Abuse of signals counts for little in a court of law.

## View of R.A.C. on Competitions.

IIGHT is shed upon the much-tliscussed small dear trial, which was to have been held this year by the R.A.C. or by the R.S.A.C., in a circular which has been distributed by the Royal Auto. mobile Club to secretaries of motoring clubs.

After pointing out that the ouly events approved so far by the S.M.M. and T. for this year are those held at Brooklands, the Salthurn Speed Trials and a hill-climb at Shelsley Walsh, the circular con-tinues:-

This new departure on the part of the S.MAM, nod T. was foreshadowed in December last in a letter from the secretary of the Society referriug to a small car trial which the R.A.C. then proposed to hold this year, in which be wrote, "I am asked to represent to you the unanimous riew of the interests represented by the Society that competitive trade reliability trials no longer serve nuy useful purpose cither to the trade itself or to the public."

Several confereuces followed between the R.A.C. and the Suciety, but the Club, which entirely dissents from the riew expressed above, was unable to dissuade the Society from pursuing a policy of general discouragement of trade participation in motorcar competitions.
As we pointed out last week, The Light Car and Cyclecar is opposed to excessive restriction of competitire events. We beliere that it will discourage progress in design and exert a harnful intluence on the activities of the younger manufacturers.

TMid fourternth London to Lands: End trial, organized by the Notor Cycling Club, starts on Good Fridan. April 2nd, from the Slough Trading Co. 's premises on the 'Trading lisiato near Slough at $10 \mathrm{r} . \mathrm{m}$., this being the actual time of departure of the first oflicial car. Actually, however, the Trading Estate will be a scone of activity for many hours previous, as general preparations will be in pro gress ind, soon after \& oclock, the competitors will begin to arrive, so that they will have plenty of time in siee to the needs of their machines and to take dinner at the Feerless Restaurant inside the grounds.

Replenishing will take place at the filling station, which is immediately opposite the twentr-second mileston. from L,ondon, between Slough and Maidenhead and after filling up, the competitors will drive into the estate by the adjacent eutrance: they will leave by the western gate.

The route this year will be very nearly the same as last year, and will embrace the already well-known test hills, Porlock, LAnton, Beggars' boost and Bluehills Mine. The new: section starts immediately after Bluehills, and skilful driving will be necestary 10 mainam the scheduled speed of $20 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. for this section includes a hill which, we estimate, will bring the majority of the cals down to botton gear, its average gradient being 1 in 7 . The maximuni gradient is $\mathbf{1}$ in 5 and there are two hair-pin bends, one being decidedly acute.

From sea level the hill rises to abour HU 1t. A very good impmession of the "hair-pin" is given by our frontispiece. Known as loocky Line, it leads out of Treraunance Cove, beyond Perranporth.

Apart from Beggars' Koost, which is satid to be in a rather loose condition, and llluehills, upon which a lot of practising has taken place, the test hills will be very much the same as they have been in former years, assmming. of course, that a sudden downpour of rain does not spoil the grip. This applies with particular force because no chains or other non skid altachments will be allowed.

## The Roue at a Glance.

The map which forms the heading to this page shows the course at a glance, the times being those of the ollicial cars preceding the competitors, lhat is, standard time. There are li30 competitors, of which 180 are cars and 20 thre-wheeled cyelecars. The procession will take five and at lalf hours to pass any given point.

Owing to the large sumber of entries, motorcycles, cyclecars and cars up to 1,100 c.c. will start at half-minute intervals, the cars above 1.100 c.c. starting at intervis of one minute.
Gold medals the intrinsie value of which, considering the very stern 8:32

FOURTEENTH ANNUAL RUN CONSTITUTES A RECORD-NO FEWER THAN 530 ENTRIES THE PRINCIPAL REGULA. TIONS - WHAT INTENDING GOLD MEDAL WIN NERS HAVE TO DO


##  <br> 10 N.m.. Standard time, Lo, A. Baddeley $115.6 \mathrm{~h} . \mathrm{p}$. Fssca) will precedo the competitorn. Clas: 111 .

THAEEWHEELED CYCLECARS (20)
THA
$6^{\circ} \mathrm{H}$.
CLUNHO!
H. F., K. Sawtell 11,075 c.e. Morgan
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9 G. C. Turner ( 1,096 če. Morgan). $(1.096$ c.c. Morgan-Blach

S. C. Macaskio (976 c.e. Morgan-J $\Delta$. P .)
R. Taylor $(965$ c c. D'Yrsan).

Hlackburn
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A. A. Markis (1,040 c.c. Morgan-Acro).
if. A. MeCarthy Stoke 11,096 c.c.c. Morgan).
W. W. Stokes (1,096 c.c. Acro-Morgan)
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J. Dockerill 11.098 c.c. Jorga
Blackburnc).
541 R. A. Martin (1,096 c.c. Acro-Morgan).

burne)
344 H. Burne) (1,098 c.c. Morgan).
345 A. B. Johnaton (1,098 c.c. Morgan).
A. B. Johnaton (1,098 c.c. Norgan).
Clasi IV. CARS (185).
(a). (Not excceding 750 c.e.) (14).
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348 W. J. Milton 1747 c.c. 7 c.e. 7 h.p. Austin). Austio).
349 J . Edidy 1747 c.c. 7 h.p. Austinl.
3.50 N. A. Lindleg $\left(7{ }^{2} 9\right.$ c.c. $7 \mathrm{~h} p$. Peugeut)
351 F. S. Doxat 1747 c.c. 7 h.p. Auntin).
352 W. W. Lawrence 1747 c.c. 7 h.p. Ausing).
F. A. Thatcher ( 747 c.c. 7 h.p Austin).
G. C. Formilli $(342 \quad$ c.a. $31 / \mathrm{h}$ h.p. Austin)
J. Richardson 1747 c.c. 7 h .p. Austim,
357 G. M. Symonds 1747 c.c.c. $7 \mathrm{~h} . \mathrm{p}$. Austim).

iv (b), (Not exceeding 1,100 c.c.) (4s)
$360^{\circ}$ D. II. Noblo (1.074 c.c. $9-20$ h.p. Rover)
361 W. H. Chadwick 11.074 c.c. 9 h.p. Rever)
362 C. T. Buker 11.074 c.e. 9 h.n. Rover).
363 C. L. Clayton (1.078 c.0. 8.9 h.p. Amilcar
Special).

65 F. W. Clegs il,094 c.e 8.2 h.p. Sénechal).
366 F. W. Ieal 11.0948 .2 h.p. Senechal).





374 A. Arcilear). 11.074 c.c. 9.20 h.p. Roverl.
375 C. L. 8 (mon 11.987 c.c. 9.6 h.p. Salmion
374 A. Fcclea 11.074 c.c. 9.20 h.p. Roverl.
375 C. I.. 8 imon (1.987 c.c. 9.6 h.p. Salmion)
376 C. D. Conradi
376 O. D. Conradi 11.087 c.c. $8.5 \mathrm{h.f}$.

Talbot).
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## CAR ENTRIES.

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(.) Smith $\{1.498$ c.c. 10.8 h.p. IRsley), 441 G. N. Norrai ( 1.496 c.c. 11.9 h.p. Lea 442 L. 'T Uclanicy ( 1.496 c.c. $11.9 \mathrm{h.p}$. L.ca443 B (i. T.ewis ( 1.497 c.c. $12-40 \mathrm{hp}$. Yca444 A. W. Morriah ( 1,247 c.c. 9.8 h.p. Bajlisa 445 446 447 448
449 449 A. G. Newsome (1.498 c.c. $10.8 \mathrm{~h} \mathrm{p}. \mathrm{Riley)}$.
 4521 453 454 p Ccirano). 13 (1,460 c.c. $10.4 \mathrm{~h} . \mathrm{p}$. $455^{\circ} \mathrm{S}$. (1). Daris 11.496 c.c. 119 h.p. Frazer456 E. E. S. Montagu (1.198 c.c 10.37 h.p. 457 G. P. Sterens 11,496 c.c. 12 h.p. Lea458 N . Miller ii $498 \mathrm{~h} . \mathrm{n} .10 .8 \mathrm{~h} . \mathrm{p}$. Reiley).
459 V O. Wiles (1.196 c e $12 \mathrm{~h} . \mathrm{p} . \mathrm{A.C)}$.
460 A. R. Passey (1.496 c.c. 11.9 h.p. G.N.).

464 G. Nhodel. Rush 12.500 c.c. 12 h.p Frazer 465 1I. W T.angford-Sainabury 11.496 c.c. 466 II viley) Phippen (1.498 c.e. 10.8 h.p. 467 A. Phisnen $(1.498$ c.c. 10.8 h.p. 468 A J. phippen 11.498 c.c. 108 h.p.
 470 J. [3. Fenwick (i,496 c.c. $11.9 \mathrm{l} . \mathrm{p}$ Frazer 471 If . N. Alflington ( $\$, 496$ c.c. $11.9 \mathrm{~b} . \mathrm{p}$. 472 J. Frazer-Nash) Tointon ( 1,498 c.c. 10.8 h.p. Pilcy 473 C. Abhott-Brown 11,496 e.c. $12-50 \mathrm{~h} . \mathrm{p}$.
474 P . W. Wiito (1.420 c.o $12 \mathrm{~h} . \mathrm{p}$. I.agonda). 476 Alfred Bcll (1.496 c.c. 10.4 h.p. Allis) 477 S F. A. Walson 1.247 c.c. $10 \mathrm{h.j}$ 478 F Saries).
$479 \mathrm{~T} . \mathrm{J}$. Impehence 11.496 c.c. $12 \mathrm{~h} . \mathrm{p} . \mathrm{A} \mathrm{C}$.$) .$
IV (d). (Not exceeding 1,750 c.c.) (31).
 4 月2 f. Hegley 11.645 c.c. 11.9 h $n$ R Reve. $40 . \%$ F. II. Grimadell 11.598 ce 12 h . Alvis)

484 K. II. Dauicl (1.598 c.c. 12.40 b.p. A. Aris). 486 II. Moris-Cowler). (1.550 ce 11.9 h.p. 487 J 488 489 J. II. Duprólcs) (1.597 c.c. 12 h p. Darrace) 90 Ii. J. Ricle 11.568 c.c.. $11.9 \mathrm{~h} . \mathrm{p}$. Mercedes), 491 H. Monk (1,527 c.c. 10 h.p. Trojan). 492 A. Knapton ( 1,660 c.c. $12 \mathrm{~h} p$. Austi 493 J . A. Shepherd ( 1.660 c.c. $12 \mathrm{~h} . \mathrm{p}$. 494 D. G. Clark ( 1.660 c.c. 12 h.p. Austin) 494 D. G. Clark ( 1,660 c.c. 12 h.p. Austin). 496 B. Cowles). Secrett ( 1.550 c.c. 11.9 h.p. Morris497 W. F. Ratcliffe $(1.645$ c.c. 11.9 h.p. 498 S. G. Ẅallsgrove ( 1,645 c.c. 11.9 h.p. 499 J . Riley) Sicadman (1,650 c.c. 11.9 h.p. 500 P. A. Warter (11.667 c.c. 12 h.p. Austin). 501 V. Stnith 11.540 c.c. 10.9 h.p. Bugatti). 503 p. D. Pineo 11.550 c.c. 11.9 b.p. Morris504 J . Kavers 11.645 c.c. $12 \mathrm{~h} . \mathrm{p}$ Riley-I.yns). 05 E. Iynas-Gray ( 1,550 c.o. 11.9 h.p. 506 F. W. Damo (1.550 c.c. $119 \mathrm{h.p}$. 507 A. M. Stabb (1.550 c.c. 119 h.p. Morris508 T. E. Mart ( 1,645 c.c. $12-50$ h.p Alvis). 510 J A. G Н. Wilson $(1,550$ c.c. 11.9 h.p.
iv (e). (Not exceeding 2,000 c.e.) (20). $511^{\circ} \mathrm{V}$ A. Bruco (1.991 c.c. 15.8 h p. $\left.1 . \mathrm{C}.\right)$. 513 G M.G. Super Sports). 13.9 h.p. M.G. 514 1. D. Spoioner ( 1,805 c.c. 13.9 b.p. M.G.
 $517 \mathrm{E} . \quad$ W. Decley 11.981 =.t. $14-50 \mathrm{~h} . \mathrm{p}$ 518 L. J. Butterficld $(1,850$ e.c. 12.40 h.p 519 G. Hendy $(1,850$ c.c. $12-40$ h p 520 A. II. Thomas (1,795 c.c. 12 h.p. Vulcan) 521 R. I. Andrews (1,795 c.e. 12 b. 522 A. S. Fitch (1,795 c.e. 12 h.p. Vilcan). 523 W. Fi. Oates ( 1,954 c.c. 1460 h.p 524 H G. Reigate 11.970 c.c. $12-40$ b.p. 525 w. G. Boyer 11,980 c.c. 13 h p. It.E.
 527 II Star) formin $\{1.794$ c.c. 12 hp Bean $)$, 528 F . T. Williams ( $1,743 \mathrm{c.c} 11.4$ h.p Hamber).
529 W Cooper 1.805 c.c. 13.9 h p . MG 530 F. Clark (1.990 ce. 15 h.p. O.M.).
nature of the going, should be very high, will be awnrded to competitors who comply with the regulations and are not inore than ten minutes early at any place, not mere than five minutes late at Porlock Village, and not slower on a measured section of Porlock Hill, timed from a standing start commencing near the first bentl, than the following speeds :-
Three-wheel cyclecars of any capacity; 16 m.p.h. Cars not exceeding \%.j) c.c., $13 \mathrm{~m} . \mathrm{p} . \mathrm{h}$. ; not exceeding 1,000 c.c., $13 \mathrm{~m} . \mathrm{p} . \mathrm{h} . ;$ not exceeding 1.500 c.c., 1.1 m m.h.; not exceeding 1,750 c.c., $14 \frac{1 m . p . h . ~ ; ~ n o t ~ e x-~}{\text { - }}$ ceeding 2,000 c.c., $11 ;$ m.p.h.

## Three-wheelers' Stern Task.

In addition gold medallists must not be more than five minutes late at the control before I.5nmouth Hill, not more than fire minutes late at Perranporth, arrival and departure, not more than ten minutes early at any other place, and must make nonstop climbs of Porlock. Lynmouth. Beggars' Roost and Bluehills Mine. Silver and bronze medals will be awarded to those who fail in certain of the tests but otherwise finish the course.

At the outset it will be observet that the test of reliability is by no means light, whilst frou the average speeds to be maintained on Porlock there emerges thie rather surprising fact that three-wheel cyclecars have actually to average the same speed as two-litre cars.

We would emphasize a condition which is plainly set out in the programme, which reads as follows:"This event is not a race. Driving at excessive speed during any part of the journes or a police conviction for any offence under the Motor Car Act will involve dispualification."

Nothing surcly could be plainer, and it is to he hoped that virid references to the Motor Creling Club's Easter Race from I.ondon to Land's Find will not be giren the usual prominence in the lay Press!

The test is essentially one of reliability, not only of the car but of the driver, for the man who starts at the wheel must drive throughout the event. and should any other driver take orer, if only for a moment, disqualification of the entrane will result. To ensure that the wenty miles an hour average scherlule is adhered to. secret checks will be instituted, the competitors being timed by hidden timekeepers in an unannounced locality. Many a gold medal has been lost in a secret check, often, be it noted, by a margin of only a ferw seconds.

The first cyclecar-H. E. K. Sawtell's Morgan-will leave Slough at $12.43 \mathrm{a} . \mathrm{m}$. Saturday and the last car at 3.26 a.m.

A complete report of this run. which may conceirably mark the temporary end of the "big entry" long-distance trials. will be found in the next issue of The light Car and Cyclecar.


## BROOKLANDS EASTER MEETING.

## I.ARGE NUMIBER OF ENTRIES-TWO IIGHT CAR NEWCOMERS

 -THE GIANTS-PARKING AND CATERING ARIRANGEMENTS.A
ToTAL of 8 entries has been received for the B.A.R.C. meeting at brooklands on Easter Monday, and, given good weather, a very pleasant and interesting aftervoon's sport is assured. There are nine events down on the programme; of these, four wilt be long handicap races, four will be short handicaps and the remaining race a private competitors' handicap.
So far as light cars are concerned, there are two newcomers to the track. These are the Inomet-Zedel and the W.H.F.; the former, enterel by Capt. A. (x. Diller, has $n$ four-cylinder engine of 1,08 c.c. capacity whilst the E.IIP. (entrant, MI. G. W. Olive) has also a four-celinder engine, but with a copacity of 1,496 c.e
The majnrity of the well-known race drivers and their cars figure prominebly in the programme, and it may be taken for granted that many detail jmprove ments and alterations have been made to the cars
Those spectators who patronize the track for the hrills which it affords will not be disappointed on Monday, as several of the "monsters" will be racing. Amongst these may be unted Mr. J. G. Parry Thomass Teyland-Thomas. rebuilt after its crash at Bonlogne last year, and the Levlamb belonging io Capt. J. E. P. Hower. In addition, there will be the Wolseley Viper, two giant Mercêdes, and Mr. R. Ward's Fiat, whilst
several of the smaller cars may be expected to attain speeds of over $100 \mathrm{~m} . \mathrm{p} . \mathrm{h}$.

The best way of getting to brooklands is, of course, by road, and this year ample parking facilities will be available, as a large piece of ground just inside the Boxall Lodge entrance gates has been cleated of bushes and umdergrowth for this murpose. The whole of the parking arrangements will be in the hands of R.A.C. ghides so that there should be little or no congestion.

The charge for admission to the track is 5s., as hitherto, whilst a transter ticket to the pandock costs 10s. Those who wish to examine the cars at close quarters must, of course, avail themselves of a paddock ticket.

There are ample catering arrangements at Brooklands both in the public enclosure ant in the paddock: in addition, the sloping ground alungside the lest hill and other places adjacent to the track provide very pleasant pienic sites. An embankment hat been formod on each side of the finishing straight, and a much better view of the "fork linishes" has been made possible.

We mublish below a full list of the entries for the Laster meeting; these will be grouped int the hine races already mentioned:-

## THE ENTRANTS



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Faph A. Wale, 4-cyl. Aunlin, 50 x 70 12 entriesl. 
E. IL Mecsou, 4-cyl. Fлuxhall, 98 > }140\mathrm{ (2 cnerics).
R. Warde, 4-cyl. Fia1, 1亏0 x }\mp@subsup{}{~}{190}\mathrm{ i2 en(rics) 
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Capt. A. G. Miller, 6-cyl. Sunbeam. 81.5 }\times156
G. E. T. Eyston, 4-cyl. Aston-Marsin, 66.5 }\times1
V. Gillow, 4-cy1. Raley, 65.8 x }110
J.G. P. Thomas, 8-cyl. I cyland-Thomas, 89 x 145 (2 entrics). 
A. Bovicr, 4-cyl, Salmoon, 62 x 90 12 entrical
A. rrazer E Hazlehurs: 4-cyl. Salmmon, 62 < 90 (2 culries).
J.S. Spencer. 4-ryl. Sunbsam, 68 x 135.5.
C.Sianiland, 8-cyl, Bugath, 60 < 8 88. 
Capt. F. H. B. Samucison, 4-cyl. Austin. 56 < > 76.
K. Don. 8-cy.. Nolseley-Viper. 120 < 130 12 cniries).
M. H. Wellsteed, 4-cy] Morris-Oxford, 75 % \ % 102,
V. Balls, 4-cyl. \Lambdamilcar, 60 < 95
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## Ewewit Motorist needs The <br>   <br> Second Edition. <br> British and best. <br> 950 pages: Details of 2,000 towns: Complete Road Atlas of British Isles: <br> 300 Town Plans: Appointed Hotels and Repairers : Parking Places, and <br> NO HIEROGLYPHICS.

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## ROAD <br> 

An Associate-Member of the R.A.C. whilst driving between Newcastle and Doncaster had considerable trouble with the petrol feed of his Car: He wrote later saying he had received very sreat and repeated assistance from an R.A.C. Guide and asked that an expression of his dratitude and appreciation for all the services rendered should be conveyed' to the Guide in question

There are a hundred occasions every year when a motorist may be glad of the assistance of an R.A.C. guide. The R.A.C. Guides are but one of the many forms of R.A.C. Road Service. You cannot do without road service in your motorin'. The R.A.C. is the best road service.

For full particulars apply, The Secretary, Royal,Automobile Club, 87, Pall Mall, London, S.W.1.

## UNIFORM WHITE LINES RECOMMENDED.

SUGGESTIONS WHICH SHOULD AID THE DRIVER WHEN THEY BECOME REALITIES.


The drawing in the top left-hard corner shows the suggestcd layout of lines at a road iunction where there is no policeman on point daty. Urdirneath is seen the plan to be followed at berd; in the road. On the right is a controlled crossing, two of the road being shown empty to ind cate the line system more clearly.

VALUABLE as they are, white lines have in some cases been abused by being used in unnecessary places or they have been badly laid down. Motorists will be pleased to hear that a degree of uniformity should be ensured in future if local highway authorities abide by a collection of notes, issued in the form of a circular which has been published by the Ministry of Transport.

In this sircular it is pointed out that precise methods cannot be laid down, as so mang varsing conditions exist. Over-lavish use of white lines is discouraged and co-operation with the local police is recommended. The breadth of each line should not be less than 4 ins. and no less than 8 ft . should be allowed for the width of one tratlic stream.

White lines are divided into three classes: first, lhose which occur in towns at crossings where police control exists; secondly, those at crossings or junctions where there is no point-duty odicer; and, hirdly, lines at bends in roads. The utility of the latter has perhaps suffered most from orer-claboration.

## Where Police Control Exists.

A distinctive feature of suggested arrangements at controlled town crossings is the use of lines both along and across the road, as shown in one of the accompanying illustrations. The former define the traftic column spaces, whilst the lafler are termed "crossing stop lines." In cases where "left-turn "traffic is to procecd whilst other rehicles halt when the policeman's arm is extended, the stop line is only laid down across that part of the road which is farther than $S$ ft. from the near-side kerb. In conjunction with this, the spacing line nearest the kerb goes round the corner to the left. These two points in the white-line scheme whould show a driver whether he can make a left turn when other trafic stops. In other cases the stop line is continued to the kerb and the spacing lines do not go beyond it.

It is recommended that spacing lines each 30 ft . long should be made on the road, finishing 200 ft . back from the stop line to warn drivers to get into the column which is best suited to their intended course.
Crossings or junctions where there is no police control have central lines running along the roads, each 50 ft . long and finishing 20 ft . from the crossing. As before, $30-\mathrm{ft}$. warning lines are employed. An interesting detail is the provision for the word "slow" to be laid down on a subsidiary road 45 ft . from the crossing on the near side of a driver going towards the main road, thus warning him to be on his guard for main-road traflic.

## On Curves and Bridges.

On curves of less than $650-\mathrm{ft}$. radius central lines are to be used extending back 50 ft . from the beginning of the bend. On steeply arched bridges where the line of rision is limited to 300 ft ., white lines are to be employed. On cambered roads it is suggested that the lines be laid on corners so as to give the greater space to traflic travelling on the outside of the bend.

When a road is banked across the full width, white lines are to be run along tile centre. In some cases a curve is so acute that its radius is less than the turning radius of mans vehicles, and in such circumstances the line is to be mored so as to enable a rehicle to make the turn without crossing the line. If. howerer, the white line laid down to conform with this requirement would be closer to the side of the road than S ft ., no line is to be used.
In due course, when these recommendations have had time to take effect, they should be of real service to the road user. The warning lines fulfil a useful purpose, and the layout at controlled crossings showing drivers when they can carry on to the left, despite the hold-up of other traffic, should ease the minds of many motorists who are driving in strange towns. The " slow " warning to drivers on subsidiary roads is also interesting.

Mrril 2, 1920.


We welcome at all times letters sent to us ty readers for publication in these columns, and while faking ma responsibility for the opinions expressed therein, give preference to those letters which deal with subjects of general interest. Na anonymous communications will be accepted, but the writer may uss a nom de plume if desired. To ensure publication in the next issue, lefters must reach this office not later than Monday morning We reserve the right to make any al:erations or deletions which we deem necessary'.

## WHAT TO DO IN A SPECIAL EMERGENCY.

## The Need for Care at Easter.

## Out of Control on Hills.

Permit we to congratulate fou on your fine Spring Number. Your journal alwnys provides very interesting reading, and you seem to have a very happy knack of always providing a really benutiful cover. Not the least interesting columns are those devoted to correspondence. I notice in the issue in question that a lady's pet nightmare is 10 mect a car com1ng backnards out of control down a hill. Mine is, nnd almays has been, to get nipped in the middle of a levelcrossing by the closing (to the road) of the gates.

With regard to tho lady's case, I do not think that it would be possible for anyone to keep a straight course in a reverso direction with a car out of control. I presume she means that the brakes have failed nfter the eugine has "confed out." It seems to me there is only one course which a driver in such a predicament can adopt, and that is, so soon as his car has stopned and he finds his brakes are useless, to lock nuer and rur the onek of his car into the softer side of the road. To nttempt to get into reverse, switch off and open the throttle wide after the engine had stopned would be uscless. Therefore, better a small smash on your own than a hig one involving others. Uusually at lenst one side of a hill rond is solid.

Attention has bees called to the increase of $n$ penny per gallon in the price of petrol. There is only one reason for this increase, namely. that we will pay it withont grumbling, nud if we pay the first penny without grumbling, we will nrobahly pay tho second, and the third. and the fourth. There is no "Food Council" to keen their eses on this particular "cost of living." but we have the matter entirely in our own hands. So soon ne the next increase is nnnounced let us all, exeent those whe must nbsolutely use them. lay up our cars for a month. The petrol enmpanies treat us as a whole. Fery well, then. let us be one. If we do that there will be quite enough non-comhine spirit for thase to whom the use of ears is essential.
My latter is rather diverse, but perhaps $T$ may be permitted to make another suggestion which I think might be useful. At Faster time the roads are hound to be more crowded than ever before. The two minst crowded probably will be the Brighton ind Southend roads, so far as Jondon is concerned, and each large city or group of cities will probably have the same experience. In the two cases which I hare mentioned the greatest movements will be, of course, from and to Linndon. There nre alternative routes to hoth places, as there nre to several nther resorts. Could it not be suggested to motorists without making any larcl-and-fast rules that those who lire in B. 3 S
certain specificé poztal districts should use one route and lhose in other districts alternative ones. It would certainly not be desir. ble, and probably wot even feasible, to make one-way roads to either of the places mentioned for Eastertide, but I would respectfully suggest that if there are any motorists visiting London from Sonlhend or Brighton during the holiday it would be advisable for them cither to leave London before 4 p.an. or after midnight. I believe that most of the roads are in fine condition, and certainly the Southend road through Grays is, for a great many miles, much better than the new rond.

I believe that we are all rather prone to go ns fast as we can and dislike to see the other fellow get past. but for Easter let us try to remember that travelling inconfortably fast at that time will not malse much more than five minutes' difference in the total time oceunief for the journes; that the engine working comfortably within its limits is infinitely better for every bit of the car: that everybody hasn't got four-wheel brakes; that we also pere new drivers once, even if it was so iong ngo that (ns in my ease) we didn't meet another car in twenty miles; snd that it is absolute suicide to pass on $n$ bend.

Arvis Owner.

## The Joy of the Open Road-

I am fed up with motoring. In whatever direction I tura I am met with some absurd restriction or else my passage nlong the ronds, for which I nay heavily. is hindered by a horse and eart. or 10 -mile limit, or some

## -Behind a other annoyance. Decause of theso

 Horse.thin 1 have decided to become a horse owner myself nnd week-ends will see me perched un in a dog-cart and tooling my cob gently along the motor-infested highways.

Think of the advantazes 1 shall enjoy! Every policeman will beam upon me, nnd if at a croseroads trafic hold-un my horse will not wait I shall be allowed in proceed no matter into what chaos I throw the nther vehicles. When I arrive at an hotel for lunch its delighted proprictor will at once reduce his charges well below the standard fixed for the millionaire motorist.

Returning gently home my horse probahly will want a drink, so I shall pull up at a handy trongh with my cart half-wny across the road. This. of course, will not create anything like the same obstruction as that caused by in light ear pulled in close to the kerb whilst its fetrol tank is replenished from an ugly and dangerous mump.

If before I arrive home the shades of nizht have fallen. my one-candle lamp nartly obscured lonth front and rear, will keep me witlin the law, and, if it should go out, any


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TheA.A.Road Book of England and Wales. The A.A. Roaj Book of England and Woles u ith

 Mao ert On eretiall Mook ellerer ( $A . A$ mem-
 Oforine

The small advertisement columns of "The Light Car and Cyclecar" form a unique mart jor the disposal of all goods of intercst to small car users.

## OUK READERS' OPINIONS (contd.).

kindly policeman will remind me of the fact nud relight it for me with his own matehes-when he has finished taking purticulars of the dangerous motorist whose rear lizht went ont during tho intervi in which he was stopped to have his mumber [late cliecked for nossible curvature.

The sted shoes of my horse and the steel tyres of my cart will leave their marks upon the roads-but what care I? The damage will cost me vothing because everyhody knows that the rubber tyres of motorars are the prime cause of road wear for combating which the authorities juslly mulet motorists in millions of pounds a year. If I wish to I sliall drink boer untit I sm incapable of sitting in the trap. knowing full well that the lionch will merely laugh at my lapse and fine me forty shillings at the most.
Tox free anl rare free. the friend of nedestrians, pulice nud magistrates alike, I shall drive unon my happy way rejoicing and opulent. Don't sou envy me?

The lodger.

## Convictions First-

I wis interested in reading the remarks of "Focus" on "roblindme or to J [eln" in your issue of Mruch 19 th, as 1 bod a similar experience some time ngo. I appronched a blind corner in a Welsh village and con-

## -Safety Last

 kequently kept well over on my right side and turned with great care, but being on the side distant from the corner and being able to see sufticiently and to stop my car instantaneously, 1 diel not consider it necessary to sound my horn.On the far sille of the corner was a constable making himself small against the wall. I was stopped, and although the constalite: anmitted that I came round sufficiently slowly I was duly fined 30s.

It was impossible to come to nuy other conclusion than that the constable was there to obtain convictions and not to prevent necidents.

Colonfl.

## Faults Committed by Motorists.

Mny I, as a motoreyclist and reader of your paper, voice through its medimm two gricvances, one on behnlf of solo motoreyelists, and the other on behalf of all those in charge

## Selfish

Behaviour. Bet lanck to the mieddle of the roadl but leluberately forse the solo motorecelist into the ditch. I will not say what I think of the offenders in question, but would just point out that soloists have a right to their share of the raad, and that they pay, in proportion to lamage done to roads, a far higher tax than owncrs of cars. I hope more consideration will be shown them in the future.

How very frequently during tho pienic season we see cars drawn up on the mose dangerous bends and in marrow lanes while the party calmly watches other vehicles queue up behind their car awating a chance to pass. It is extremely thoughtess when stopping for a picuic not to run the car on to the grass nt the roadside, or thronth some opening in the hedge. This simple action would avoid the possibility of a nasty accident.

Motor Bike.

## Rover Eight Oil Pumps.

I monde nupreciate it very much indeed if owners of finver Fifhts who have experienced any hafling troubles with their oil pumps would let me know how they have cured them, and there must be many

> Experiences Wanted. uther readers who would like to have this information. My own lover Eight is a 1023 chummy model, and a few months azo whilst on the road the engine overheated and I found the oil had censed to flow through the sight feeds. On taking down the pump it was found that the two bronze vanes had worn and allowed the separating sprini: to pass through the end of one of them and engage with the outlet port, thus scoring the bore of the pump, breaking the spring and ruining the vanes. At the same time the skew gear driving wheels in the timing case were stripued.

I nttained the necessary spare parts and reassembled eversthing very carefully and the pump worked splendidy for blont a month. It then stopped pumping. On stripping it down everything appeared to be in perfect order nnal when reassembled it worked well again for a week and then again stopped pumping. Once more everytbing
was stripped down-a very dirty and awkward jobexamined and replaced, the engiue was started up and the pump worked splendidly.

This process of taking the whole affair to pieces, looking at it and putting it together again, has since been repeated three or four times. Nothing has once been found to be wrong and the mere act of taking the pump apart and putting it together again seems in each case to lave had the effect of making it work properls. Is one to blame some superuatural cause for this phenomenon?
G.E.C.

## Good and Bad in all Classes."

I cannot allow " Gaclfly's" scathing sarcasm to pass unanswered. IIe is evidently a motorist who hns bought a car, complete with everything he wants, and some things

$$
\begin{array}{cl}
\text { Car and that he does not, at probably the price } \\
\text { Mororeycle } & \text { of in first-class ineciuipped motorescle. } \\
\text { Design. } & \text { I have been a motorist nnd motor } \\
\text { Declist }
\end{array}
$$ cyclist for some gears, and continunlly notice that the percentane of motoreycles is far greater than that of cars in gaining premier awards in open competitions.

The machine which I ride has the speed of a Bugatti, is water-cooled, has four-cylinder engine torgue, a front brako which does, an exhaust note reminiscent of an aeroplane, no valves about which to worry, is clenn to ride, does net skid, corners at speeds unbeard of in light of heavy car practice, has a magneto placed where water cannot hurt it, a triangulated duplex frame, which does not rely on a crankease to take any stress, and is always a joy to ride.

Flyina Squtreeli.

## Renault Reliability.

As an owner of an $8.3 \mathrm{~h} . \mathrm{p}$. Ifenault I am writing in reply to the inquiry of Mr. Kingston, of 'Truro, regarding conts and reliability oi this car. The car I have been running for

## A Satisfactory Small Car.

 the past 12 months is a 1925 two-seater, pendable. I have checked it on u straight run of 100 miles and found that it was doing $\overline{0} 0$ miles to the gallon. I have tested it agnin during the worst period of the year, from Jauuary to the present time, and find -hat it has giren on an arerage, durius the whole period, 35 mides to the gallon. This includes uso of the car on short runs during very cold weather, also starting and stopping and running the car in the morning during the frosty weather in order to keep the engine warm.In the first few mouths after buging the car I had trouble with the plugs-ore, after a few months, was replaced by a K.L.G., and for the other three I later substituted Lodge. The car always ran well, but previously to the fitting of these plugs the starting on cold mornings was not what I should have desired. With the new plugs, howerer, I find no difficulty in starting even on the coldest day, and the general performance of the car-its comfort, low running costs aud dependability-now gives great satisfaction. C. De.ls.

## Mousetrap Garages

Your illustrated article on mousetrap garages was interesting, aud certainly is au ingenious atempt to solve the lisht car housing problem. Personalls, however, I imgerine the "hinging over" of the garage unSuggested necessary, as this feature in real
Alterations. windy weather, such ns we have experiAlterations. windy weather, such os we have experiand in rather hazardous operations, especially if one should be alone. Might I suggest as an improvement to continue the roof from back to front the :ame height-have the frout hinged from the ton and lifted like a flap from the bottom. with struts or legs for each corner to support it lerel with the roof.

This would provide easy egress and exit and an undeniable amount of "working" shelter, the presence of which is, I think, hardly negligible with the mousetrap. I'he front, when closed, would be locked in a similar manner as at present.

With other dimensions of the garage unaltered and the necessary guide rails on the floor I would add a permanent "stop" for the rear wheels; the car could be pushed. by hand into its shelter.

A bands wedge of wood could be dropped at one of the frout wheels, a strut "stomed" each side along the Hoor. the flap lowerd and !ocked, and all is suus.

I do not think the difference in cost rould "kill" thr modifications I have suggested. Tros. M. Dunn.

## OUR READERS OIIN/ONS (contd.).

## The Two-stroke Engine.

Perhaps my experiences of the Dunelt two-stroke engine may be of interest. I purchased a new notoreycle fitted with one in 1922 , and during a considerable mileage was never let down. The machine was not fast,

A Suceessful
Make. but would tour comfortably, with a full lond, uil such well-known hills as Porlock, Diwleh-y-Groes, Kirkstone Pase, and so on. With regard to four-stroking, $l$ used the recommended Price's oil, nud $I$ can assure you that at over S mi.p.h. four-stroking was unknown.

Since 1922 the engine has been very greatly improved and should prove a most suitable unit for a eyclecar.
J.L.F.

## How Does One Steer-

I dreamt recently that $I$ climbed up beside the driver of one of those lorries which have the driving seat perehed high over the engine. The dream was very vivid, and I imntediately had a very strong feeling that if
-By "Aim" or I were called upon to steer such a vehicle I should have great difliculty in doins so owing to the nou-visibility of the familiar bonnet and wings. In my waking monents I have tricd hard to visualize the circumstances, and I cannot, for the life of me, decide to what extent, in driving my Singer, I simply look where I want to go-and ro, and to what extent I "aim" the bounct of the ear Can anyone tell me?

Sigutline.

## Attracting Hotel Visitors

You have from time to time commented upon the attitude of I3ritish hotel-kecpers ; the following experience may therefore interest your readers:-On a recent Sunday, with a

> How Not to
> Do It. party of five, I luuched at a certain piverside hotel, and after lunch we strolled on to the landing stage, with its inviting notice: "Private. For hotel visitors only." Being an hotel visitor, and secing boats kept apparently for hotel visitors-as per landing-stago notice and so forth-and without taking legal advice, I then committed the grave offence of entering one of the said boats the better to enjoy the beauties of nature.

There was no skylarking, mouth-organ blowing, rocking the boat, or Sabbath breaking-just rapt contemplation.

The peace of nature, however, was immediately broken by the arrival of an infuriated fellow, who demanded, in the tune in which one might address a pickpocket: "SIow dare I get into onc of his boats?" and adding that his boats wero as private as his drawing-room.

When I uuderstood that $l$ was being addressed by the proprictor, I pointed out that we were hotel visitors, having just lunched, but that bis conduct did not invite us to como agnin.
To which our courtly host replied that "He didn't give a - if we didn't." Can rou beat it?

Simon Orde.

## Another Hardship to Motorists.

With reference to the article on Commons and the Law in your issue of Mareh $\mathbf{1 2} \mathrm{h}$, I would venture to suggest Ihat section $19: 3$ of the Lav of Property Act, 1925, is not deserving of the welenme extended to
Barred from the it. On a fair construction of proviso Common Lands. (c) of that section any motorist who draws his car off the road on to a common is liable to the penalty set out in sub-section 4.

It was a very familiar sight, on commons around London, to see many cars parked on the tracks across the combon. I'nrking on these tracks does no barm to the common, and at the same time avoids cougestion of the reads bordering such commons, which would result from roadside parking. But these tracks are, nevertheless, part of the common land, and owners of vehicles drawn thereon would be nemalized.

It is extremely likely that offences against the section will be committed wholesale during the next few months by persons who have parked their vehicles in this way in the past, and have no iflea of the prohibiting section of this ponderous niece of legislation.

What will be the result in such places as Oxshott Common or IImblend if all motorists who visit those places B42
are forbidden to park their vehicles on the common? The bordering roads would become the parking places. it drawn in so that the wheels on one side of the vebides are on the common, will they still come within the section? If not so drawn in, will they be immune from such things as summonses for obstructing the highway?
The section will be a nowerful weabon andinst a part of the community which is already sorely tried by legislative restrictions or their vicious administration.
W. A. Clarke.

## CONDENSED CORRESPONDENCE

Messrs. II. G. St. Jo!n, 11, 'lombland, Norwieh, inform us that they are in a position to retread tyres at a very reasonable price aud that they are now doing this work by speciad methods whieh overcome the difticulties hitherto associnted with retrending cord eovers. The average cost of retreading by the process in question is approximately fll per cent. of the price of a new tyre.

Mr. R. W. Rutherford writes to say that. in his opinion, it is unsalfe to drive at night with only the ofl-side lamp and the tail lamp burnint because the local hy-laws of town councils may contain a chanse prohibiting this practice. It is to be regretted that by-laws of this kind are not published by the authorities concerned, as usually one is not aware of their existence mutil it is too late.

## INFORMATION WANTED.

Bugatti.-A $192 \pm 11.9$ h.j). model instruction book will be very acceptable.-W. M. E. Crump, The Luigh Eouse, Lejgh, Glus.

Coventry-Premer.-Whe sale or loan of a 19228 hi.h. V-twin model instruction book is requested.-D. Brown, 2, Clifton Park Rond, Caversham, Reading, Berks.
Deemster.- Wanted to purchase, an instruction book. Any hints or tips conerning the oiling system and upkeep would be appreciated.-N.. M. Jowsey, G, Austin Friars Flats, Granville Rond, Searborough.

Buchisgmam and A.B.C.-Instmetiou books and useful information concerning rumning and lubrication are requested for the $19229.5 \mathrm{~h} . \mathrm{p}$. Buckingham and the 1923 10.4 h.p. A.B.C.-F. E. J. I'uluan, Almora, (inmmons Lanc, Watford.

Samason-Experiences of owners are refuested concerning the $£ 2 S 5$ Grand Sport wodel, with special reference to speed on second gear, m.p.g., rumning adjustments and comfort. What additional fittings are useful?-W. I. A. Heald, Boseham Court Stud, Mellingly, Sussex.
G.W.K.-An instruction book dealing with the 1921 fourcylinder four-seater model is requested, also the experiences of owners who liave converted the car to all hand control. Particulars of the Disabled Drivers' Motor Club will be wel-come-G.B.P., 133, Adelnisle Road, London, N. W.

## HOLIDAY ACCOMMODATION.

## (Readers' Recornmendations Wanted.)

Ross-on-Wye.-Accommodation needed for a party requiring three bedrooms to use as headquarters whilst touring the Wye Valley. Readers' recommendations would be appreciated by Mrs. E. M. Smith, The Manor Gouse, Wedmore, Somerset.

## LOST AND FOUND

Lost.-A six-volt inspection lamp, between Banbury nud Edge Fills. Will finder please inform $\Lambda$. C. Varney, 25, I'rospect Road, Banbury, Oxon?
Found.-In West End Lane, Hampstead, a side sereen with round iron frame, measuring 2 ft. $7 \frac{1}{2}$ ins. by $17 \frac{1}{2}$ ins. The loser should send particulars to R. English, 36, Brassic Areuue, East Acton, W.3.
Losr-Between Southnort and Barmley, on March 2Sth, nt about 4 p.m., a steel artillery whed fitted with Dunlop, $28-i n$. by $3 \frac{1}{2}-\mathrm{in}$. tyre, off a Wolseley Ten. Please return to J. E. Snowden, 220, Briereliffe Rond, Eurnley, Lanes.


## Efficient-and Stays Efficient

You would not dream of leaving the valve grinding paste on the seatings after you have ground in your valves, because you know that grit spoils efficiency and destroys an engine.
Similar precaution should certainly make you choose an $8.3 \mathrm{~h} . \mathrm{p}$. Renault. For the Renault is the only car with a bonnet that seals the engine against road grit, which is every bit as destructive as emery powder-in the long run. These sharp-edged particles that eat into cylinder walls and bearings, causing slackness and vibration, cannot enter the Renault bonnet. This adds years to the engine's life, and is one of the reasons why Renaults outlast others.

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NORMAN COATES NORMANCOATES MaNket Street. Leicester. Westbury-on-Trym.
From April 5th to April 17th, inclusive: FRED BURR \& CO. Ltd Nenport Rd.,Midd'es irough.
From April 12th to
April 24th, inclusive SANDERSON \& HOLMES LAd., London Road. Derby. MACKAY \& sONS. Wesi Park Avenue. Harrogate. MACKAY (Westclift-on-Sea) Ld., 96. Hamlet Court Rd., Wetclifloon-Sea.
From April 12th to
May 8th, inclusive: MOORE OF BRIGHTON Led., Russell Sq., Brighton. Watch Renault odicertisments $\mathrm{J}_{\mathrm{a}}$. dates of Special Show in your district.

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#### Abstract

We invite readers to send us hints gained from their own experiance for inctusion in tlis feature. Five shillings will be paid to the sender of any lint published, but we cannot undertaketoreturncontrilutions not uscd.


## Loose Petrol Taps.

If a petrol tap is liable to shake into the closiod prisition when the car is running, a simple cure mag be found in the usc of ill clastic band. The union must first be slacked off and the pipe disconuected: a small rubber band should then be slipped on and the pipe conneeted up nain. When the tap is turned on thic clastic band may bo stretched over the small handle, thus preventing it from moving.
While on thic subject of faulty petrol taps, the ways of curing a leak may be mentioned. A good temporary cure can be effected hy smearing the tap with common sellow soap, but it is better, if time permils, to dismantle the tap and grind-in the cone (of which the handle forms part) ou its seating. Jewellers' rouge should be used as an abrasive, aldhough Prasso metal polish may be employed for the purpose. The use of valvegrimaling paste should be aroided as it is linble to score the brass.


How exposed hinges may be prevented from rusting ) , the use of waterproof American cloth covers.

## Preventing Seized Hinges.

By reason of their exposed position hinges on car doors and dickey scats often become partially seized and in time damaje may be done to the woodwork by the strains set up. Water excluders, in the form of hinge eovers, are casily made nad fitted in the following way:- li'irst take off the door or boot tid nad remove the hinges, which should be soaked in paraflin and oil and worked about until they are absolutely fres

American cloth cr a strip of oilskin cut from an old coat may be used for the shiclds. and the width of eaci piece whould be half an inch wreater than the width of the hinge to be covered. To find the right length of material tnke one of the hinges, close it ringt up, and lay it lat upon the cloth; then fold the latter over and cut it across, allowing suitable overlaps. In this way there will be just sulficient fabric to cover the hinge tight!y when closed, but the slack, when open, will net be sufficient to be unsightly.

After boring the holes in the strin for the screws to pass tirrounb, remount the door, fixing the shields between the wood and the hinges. turning over the small projecting pieces of cloth and sticking them to the hinges with Seceotine, thus kecping water from the ends.

## Simple Extra-air Inlet.

Extra-air devices are undoubtedly very useful, but. unfortunately, cost more than many light car owners feel inclined to pay. One of their chief adtvantages is that tliey may be ojpened fully when desending hills, thus allowing the engine to be used as a brake without fear of oiling-up the plugs. A gadget for this purpose may be fairly casily and cheaply arranged by any practical motorist.
A small hole should be drilled in the induction pipe fairly close to the carburetter, n petrol-pipe union sweated

Qucries of general interest will be answered under inis heading whenever possible, but a stamped addressed encelope must be enclosed for reply by post. Teleptonic inquiries cannot be answered.
R.T.A. (Dublin).-A littlo carbou delosit behind the piston rings does no harm ; in fact, it usuilly forms a compression seal, therefore, so long as the rings are free and in geod order, you need not bother to scrape it away.
S.P.G. (Dexhill-on-Sea).-No hard-and-fast rule can be lad down regarding depreciatiou as it is governed by so many factors. In your own case the best way of calculating is to work out the average prices of similar models advertised in this jourmal, for various years of matufacture, and base the depreciation on the average ןrice.
in and a length of copper piping finsed throurh the dash to a point within convenient reach of the driver's bands. Ais ordilinry compuression tap soldered on to this end of the piping will completr the job. The tap would normally be elosed, the carburetter supplying mixture in the ordinary way, but when dessending a hial the tap could be fully opened and the engine used as a brake. It is, of course, possible to use this extra-air inlet in the course of ordinares running. but it is scarcoly to bo recommended as it is somewhat crude for the nurpose.


A practical way of holding a small piece of thin metal in a vice while one of the flat surfaces is being filed.

## A Filing Hint.

Holding a piece of shect-metal in a vice for filing the flat surfaces is usually difficult because the surface bas to protrude above the vice, and this does not allow the jaws to obtain a secure grip on the edges of tire metal. $\Delta$ reference to the accompanying illustration will show how to overcome the trouble. A block of mood of suitable size is used to sumport the work while a pair of metal plates prevent auy movement taking place. The beight which these plates stand above the wood can be easily regulated so that they do not interfere with the manipulation of the file.

## 

E.I. (Deal).-The work involved in fitting most patterns of veutilator to the scuttle dash consists in cutting the bole to take the bodg of each ventilator and drillin: a few small holes for the fixing bolts.
S.M. (Long liaton).-Certainly thero is a ratchet mechanism on the handbrake lever of the $10 \mathrm{~h} . \mathrm{p}$. Salmson. It may be thrown out of action, bowever, by means of a catch on the lever, thus making it easy to use this brake in traflic.
F.A.A. (Coventry).-The squeal you hear when declutching on sour 11.-1 h.p. Citroen is most probably due 10 lack of oil on the cluteh spigot bail race. To lubricate this point remore the clutch pit cover, depress the clutch the clute pite the shaft until a small pedal and turn the shaft until a sman hole comes to the top. A few drops of oil here will be sufficient.


HUNTS M.C.
Thac llumbs M.C. held a reliability filat-the first of tho seasont-on March 2Rth, the start cladrd a Colonial acrlion and a waterasplash and had to be covered twice. Tho resulta bave not yet been yublished.

CATFOND AND DISTRICT M.C.
A very successiul smoking concert was held ${ }^{n}{ }^{\text {A }}$ tha Catlord and District Motor Club on Salurday, March 20th, at tho Gcorgo Ilotel, Layen, Mr. W. C. Bunniñ. one of 1 lio viecpresidents, Iaking tho chair. Orer 50 memlim. and tho licalth of tho club was proposed Mr ilie rhairman. Tho captain. Mr. G. J B. Millest. responded, and spoke of the excellent progress that was being made by tho club. Supper was iollowed uy danco music giren faze land, nnd monologuce, impersonn. the rluts iazz land, nind monoirgucs, impersons. The evening. which was mach enjoyed by nli
present, lerminated nt 11.30 p.m.
LIVERPOOL AND N. WALES CENTRE J.C.C. A rery aucceasiul dioner nnd social ovening wns recently held at tho Consersativo Club, Civerpool, by the Lirerpool and North Wales Centre of tho Junior Car Clul. Tho chairinno aided. and orer 50 members and friends wero present. Mr. Essler Messen. an accomnlished amatcur conjurcr, gase an exhiblion of his nrt which appeared to bewilicer eren Professor A. M Cow. Who was among tho fuesta. Mr. Georgo milch appreciated and tho procceding ierminated with $n$ whist drive. Mr. S. W. Plillpott. tho secretary of the Centre, was chicfly reaponsible ine tho arrangementa, and is to bo congratulated npon tho success of tho

ULSTER AUTOMOBILE CLUE
The Ulater Antornobilo Club, which is assobeadway. this being reflected in the fact that 50 new members were cNeted at $n$ mecting of the rommitico held recently on tho club premises at 45. Chichester Strect. Beliast. Fivo R.A.C. guidcs and an inspector are now on duty, and tho rommillec which is also tho committee of to mako further appointments. Thic club has passed its Irst resolation of poblic interest. this being in connection with the proposal of the Derry Corporation to introduee a speed limit of 10 miles per hour. The forcement of such a limit would be a handicap rather than a lielp to trame gencrally.
The proposal has been reforred by tho corporation to its law committco. and in tho ernnl al any frrther mave it was decided by tho club to make arrangements or a denutation to inAlinistry of Ilomo Affairs for tho purposo of expressing tho riews of motorlsts.


## FORTHCOMING EVENTS

Eastern Centre April 2, Championship City of London M. Li. Laster Run to April 2.3. Scarboraugl and Districh M.C. Easter Oozclum M.C. Easter Tour to Linton. April 3.
Corentry Triangle M.C. Social Run.
April 3-4.
Reliability教

Apris
glo N.C. bury. B.A.R.C. Easter Meeting at Brooklands. Bury ing Trial. Edmund's and District M.C. Liverpool M.O. "Walsh" Trial Weascy Centro A.C. O. Kickham Trial. Coventry Trianglo M.C. Ran to Edgo Mansfield and District M.C. Night Trial. B.M.C.R.C. Members' Mecting at Brook Stalybridga and District M.C. Speed Lododon Eaglo N.C. Semi-sporting Catford nind Districl M.C. Kun to HartCoventry Trianglo M.C. Chalrman's Public Schools M.C. Reliability Trial. Richmond M.C. Captain'a Cun Trial. dentam and District Mi. Midland Cycling and Athlelic Club. 24-
hour Trlal.

SOUTHEY JOWETT LIGHT CAR CLUB. Tho opening rally of tho scason was hold hy tho Gouthern Jowett Light Car Club on March
28 L, soma 17 cars turning op at tho mecting point near Dorking. A short club run ended took place; this was followed by a picnic tea R.A.C. PERMITS. Permits for the following events havo recontly

 Spring Rnco Mceting nt Brooklands: Anril Molyhcad Trial: Juno 1 gth-20th Jrighton and
SUREITON MOTOR CLUB.
A Very successful dance was linld by tha Surbiton Alotor Club on Shaturchay liast at the
Karsino, llampton Court. sonic 175 members and friends being present. April 17th. starting from tho T'allot Ilotel, lipley at 10.30 am . I'lac routc. which if nhout 100 miles in length, wall include ecreral
non-stop sections, but thero will l:o no muddy non-atop sections, lut thero will $1: 0$ no muddy
aurfaces in theso portions of tho route. After tho lunch stop an casy starting cost will bo for tho best perlormanco by a motoreselo nnd sidecar or three-whecler. while tho premier award In tho car class is the Sonwith Challengo Cup. Silver cups, silver nnd bronzo medals
and team prizes are also affered. Tho closing date for cntrles. whe ni, ho shinuld lin eche to the hon. organizer. AIr. Kaje Don, cio Avon India Robber Co.. Led., 543 , Eucton Ruad, Loudon,

## TO CLUB SECRETARIES.

Reports and announcements intended fo: inclusion in next Friday's issue of "The Light Car and Cyclecar" must reach us by the first post on Tuesday morning.

OOZELUM CLUBS NIGHT TRIAL A paght trial was held by lic Oozclum Motor Club, starling from tho Whito Hart Moted, 204h, Tho obscrved tulls pescitcd compara tively littlo daniculty, as the surfaces were dry and in finirly good condition. Mauy competitors, howercr. found it diffeult to kecp to schedulo time and moro minks wero lost for The most noteworthy of tho olisiricd hilla wng " Bamboozelum," and hero C. D. Conradi (10 h.p. Salmson) led tho cara. making a stcady and fairly fast climb, followed by S. G. Smith (Acro-Morgan), who leoked rather worricd, but Simon this hill makiogonsible lor tho star turn on Prix Salmson. while w L. Hishop (Bishop Special) also put up a sood perlormance. A acction of very rouph soing then led tho
competitors to a check, whero afl wero late except ono of tho onicial cars. Whe routo then iollowed fairly geod roads to Epsom. where tho several members of the Brimhton nad Fiove MO. who assisted in tho orifanization. C. The car results ara as fimon (Grand Prix Salmson) Silver cup: C. I. Simon (Grand Jrix Salmson). Silver medal: S. G. Smith (Acro Morgan). Complia member of nin invited club: W. L. Blshod
(Bishop Speclal).


OOZELUM CLUB'S NIGHT TRIAL.

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## notice


 ponsible．that ，liev rench us by the＇IRST FOBT on Tuesday．

## SECONDHAND

## LIGHT CARS AND CYCLECARS FOR SALE

A．B．C．A．B．C．Motors，Ltd．Walton－on－Thames．Consult us Grat heforo

A．B．C．， 1922 mport， 2 －acater，bulf coloar，fitted with Sop－lith Acro engine，Epecialloifis．rev．counter，triy iliectometcr，C．A．V．ligrinag． clectric nhd bulb horns，rery faat ear．in sood conditioa throuhhout．
\＆59．W．， 8 Kugon Rd．，Fulbam，S．W．6． A．

## ．

C．iteat model super sporte 2 －senter，with streamline alumininm borly， dynamo lighting．clock spedomeler and ether scesiorien no extra－ Latcat model as atove．neariv new．A225． B．A．Alarshall，Lid．， 17 a Hanover Square，W．1．Maytasr $\underset{z 2 z-403}{5906}$ A．s．C．，1924，supe．sport，$£ 275$ model．netreamiine body，disannenring
 condition，extretrely last and very comfortable．What oftera？ 8 Oetiry
lid．，Leedila A．日．c．
A．B．c． $12-40$ super eporta，alurainlum body and wings，the car with a ear or motorcycle acceptod part exchange．Bolow，atock．Any make of
 A．B．C． 1923 Regent． 2 doora and dickey，latest type crank．fust com－

A．B．c． 1923 Regent．detachable conpe top， 2 doora and dickes，good lyres．condition mectanically and externalls as new；exchange motor－

A．B．C． 1922 Regent，dsnamo lighting．juar completely overhauled，
 A．日．C．，Regent，late 1922 ，atarter and lighting，an new，250，or exchange．
1 Burwood Mows，Edgwaro Rd．Padd． 5306 ． A．B．C．， 1923 Regent 2 －scater，dickey，excellent condition， 70 galineas； cxchanges or delerred．H．F．Edwardı， 175 Gu．Porthand St．．．W．1．
A．B．C．Sprosen，Lid．，for A．B．C．s．Exchangen，deferred．1926，new， 1922 （latel snorts，double windacreen glase sido acreens，many extras，


A．n．C．， 1922 do 1 nxe madel all－weather．orerhauled， 2 －z－scater，dickes． cic．rery nice order．bargain．A8 10s．：exchanges．Rbind and Co．
Quecn＇s Rd．，coracr Oldham Rd．，Manchester．

A．日．C．，1922， 2 －scatcr，doublo dickes．new trres，excentional condition，



A．B．C．s．A real sníp．See page S5．697－92б
A．B．C．4－scater，1924，perlect condition，practically unesed aloce over－

A．BC．aporta 2 seater，bluc finished，aluminium bonact，new bood．foosa Movers，overhauled． 257 ，exchange car．motorcycle．Nownbams Menth 697.135

 A．C．1921－2 super－sports，alumialam bods．Fed Wings，everything fitied in the way of gadgets，really rers smart．$£ 120$ ．Below．
A．C．，1921，2－acater and deakle dicker，repaintrd，reconditianed，alt ninkel parti replated，tallnon tyres，this car looks and runs as new．
£ 90 ：cash，delerrel，exchanges，Blickler Motors，Rechdalo Rd．．Black： ley，Manchester．＇Phenc，Cheetham Hill $102 . \quad$ 697－899

A．C．， 1924 ，Royal． 11.4 hp ， 2 －seater and dickey．Marles steering，in excep－ change or torms．Chestor Mighall，Lid．Stourclite St．Edsware Rd． Padd． 3553 ．Foarth tura right from Marble Arch．］Alwasa opan．

A．C．，1924． 4 －scater Royal，balloon tyres．risid a．－w．equipmeat，Marica stecring，uggase carrier，etc．r mechanfically perlect．and very smart


A．C．，1923－24．2－scater and double dickey．iesthercite，all－weather side crecnit and hood．Just bitnd，milease rers small，balloona，conditina as nen merhanleally and exteraally，exchange，$£ 155$ ． 51 Unger Rich－
mond Rd．，East Putvey．



## SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE (continucd)

A.C. 192511.9 Royal 2 -seater, dickes, completely equipped, balloons A.C. 1923 11.9 4 :enter, completely equipneil, antiguo leather upholsteryo rear screzu. exenlent condition, 145 ERuincas: exchtnges or deforryd.
A C. Marold Simons for bargains. Sea "Miscellancous Cara." 697-46

 A.c., Royal. 1925, 2 seatcr, all-wcather, nnearanco smart, condition


A.c.e. 4 rezl snip. Sco paga 55 697-925
 A.c. 3-wheeler, remodelled, whec slecring, f.w.b, specdomator, disca,

A.C., 1924 (rery lato) 2-scater and dickey, all- weather equipment, has been marelulls yscd inco ncw. Narles secering, open to nny reasonnblo


ALBERT car overhauls: guaranted earo for oiling upi bodywork and
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Delerred lerms and exchanges.
Costinat. Barncs, 3.iv.13. 'Phono, Riversldo 1177. 697-972
AMILCAR, 1922 2-seater, dymamo 11 ghting, sido ecreens, and hood just


AmILCAR, Grand Sporta, July, 1925, deramo starter, four headiampg,

AMILCARS. A real anlp. Seo pago $55 . \quad 697-928$
AMILCAR, 1925, apeclal Grand Sporta 3.eater, npholstered in red leathec, apecdomicier, clozk, rev, coynter, periol gauz Klaxon horn, self-


AMILCAR. 1924, Super Eports J-scater, opholatered In red leather, spuciometer, clock', selperarter, shock aboorbers. larso heallanna, double



ARIEL 9, 1923. chummy, folly equipped, dynamo excellent fondition.

ARIEL 9, chumins. 1924, perfect condition nid running order. balloona

ARIEL $\theta, 155 ; 1923$ chummy model, dynamo, good condition. Below. ARIEL 9, f65: 1923 chummy, Eelf-etarter, excepllonal condition: ex-
 AUREA, 1924 amper sports, mileage 8,000. pplendld condltion. Mtonza

AlISTIN, 7hp, 1925 model, apecdometer, clock, dosh amp. radiator coss. harge tyres, fúll 1926 equipment but tetter, car liko new in every way,
f 115 . Fryer, Dove Walk, Utloxeter.
AUSTIN 7, new and seconthand mrdela lo elock: patt exchanges and


## SECONDHAND

## LIGHT CARS AND CYCLECARS FOR SALE (continued).

AUSTIN, 7 hp , 1925, supcrb condition, amall mileako nbsolutely no
 AUSTIN 7. Servico atation open to all owners of tho famons model;
 AUSTin T, 1924 chummy model, sell-starter, nearly new tyres, taxed
 AUSTIN, 1925, 7hp chnmmy, taxed, sllo. Georgo Newman nnd Co.

AUSTIN 7, 1926, with enecial extra equipment, comprlsing 5 lamps, mindercen wiper, anot hap and mirror, aluminium number plales, Boyco
 AUSTIN, 7hp, 1926, king fisher blae, epecdometer, fully equipded. liko


AUSTIN. Snrosen, Ltd., for Austins. Exchanges, deferred, 1924

AUSTIN 7, 1926, February dellvers, chummy 4 -scalcr, only 500 miles,
 AUSYIN 7, 1924-25 (September delisery) chummy 4-scater, largo body, deferped payments. 21 Pennant Mcws, Earl's Court. 6684 Wesicrn.
AUSTIN, $7 \mathrm{hp}, 98$ gulneas, 1924, late, pericet conditlon, as new, taxcd


Ausrin 7, 1924, In aplendid order and condilion largain e95; cr-

AUSTIN ${ }^{7}{ }^{1925}$ model chummy, apecdometer, good tyres, excellent con-
dition.
R105; exchanges and deferred paymenls.

 AUSTId 7, 1925 madel condilion as new, $2115 ;$ also 1924 nodel,
 phone Molor Works, Lid., Allsop I Ilace, Upper Eaker St. N.W. Inng.
 Mrapair folim.
AUSTINS. $A$ real snip. Sco pago 55.
697.927

AUSTIN 7s, 1923 4-seaters, choicc of 2 wo, 275 ; delerred pasmente, cx-

AUSTIN 7, 1924, excentional conditlon, orlginal tyres, mechanically

AUSTIN 7, sports, 1925 (June), absolutely new condition, 118 grincas.
AUSTIN 7, lato 1925, taxed lo December, many extras, speciometer,


AUSTIN, e95: exchangea, deferred payments, 1924 Austin chumme,

 710.

BAYLISS THOMAS, 1925, 45 -scatcr tourlng model, sqpplicd for uze by

BELSIZE, 1924 10hp 4 -cylinder 2-beater, concaled dlekey, slarter, ex-

BELSIZE-BRADSHAW, 1923. starter, good tgres, perlect condition

BELSIZE.BRADSHAW. II. F. Edmards oilce 1924 Shn coupe, completelg equipped, dickey. starter, excellent condition, 75 gainens: ex-
changes or delerred. 175 Gt. Portand St., W.1. Langham 4161.697 .24
 ." Re-wrillen and containing over 100 new 2s. 9d. post free.

# SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE （continued）． 

GELSIZE．BAADSHAW，1922，2－ucaier．inxed，Insured．benutiful ormdL tivn throughout，とrial，£50．Wukusun， 18 a Ramsoy Rid．，Weri IIendon，
N．W． 9. BELSIZE－BRADSHAW， 1922 Aste），do Iuxe $2-3$－acaler．exrellent tyre， perlect condition thraughout exrevingly well equipped，£ら2 1Us．K．J．
Botorn， 30 Widmoro Rd．，isromley． BELSIZE．BRADSHAW，£59： 1923 A－icater，acli－starter，5crig smart
 BELSIZEBNADSHAWS．A real sDip．Sco pago 55．697－929
 BlERIOT－WHIPPETS，usunl aquipment，perfect condition，from 219. ．N．G97－992 B．N．C．， 1924 moilol．Ghr caumms，polished aluminlum beds，mileago




 New Suscx Motors， 3 З̄2－3̄34 King＇s IRd．．Chelsea，S．W．3．Kinsinclun
2540 ． BUGATT1，\＆125： 1923 srorts 3 sealer， 16 valves，coachnainted primrose and red wings．very insti exchanges，deferred．Empirs Motors，
325 IIfh Rd．．Chaswick．W．4．Pheme 0303．
 CALTHORPE， 1921 ．A－scilcr，scli－startcr，dynamo lighting，enare wheel，
beautlul condition．\＆ 60 ；exchanges，deferred．IKing，New Rd．Nafind， CALTHORPE，1Ohp．2－scaler，very elearat terme，e8 and 10 mene．hly
 CALTHORPE $1924 \quad 1220$ 2－scalcr．dickey，4－nperd，completely Cquiplied，ropnlnted，oxcellent condifol， 110 guincas．Below．



CALTHORPE，latest model $10-20$ A－scater do luxe，dono mall mileaga

CALTHORPE，©5S， 19214 －seater，Etartor，very mmart．Below．
CALTHORPE， $\mathcal{L} 65,1922$ 4－scater，exceptional condition；exchanges，de－ $\begin{array}{lll}\text { CALTHOPPES．} \Lambda \text { real sמlp．Sce pago } 55 . & 697-90^{\circ}\end{array}$ CALTHORPE， 965 ，exhnnges，delorred pasments． $1920-21$ A－senter，


CALTHORPE，1924－25．12－20，do luxe 2－senter，daubla 6 unken dickey，

CARDENS．Carclens，Cardens，Smart 1921 and 1922 2－beaters，qully aquipped and ready for the road，from 16 to 25 ；delerred terma and
 CASTLE 3，1922，4－culinder water－cooled engino， 3 specde，reverso， dynama，spectometer， $25(1$ mnny other makes：dcierred ferms and cx－ abagecs．Andrews Motwr Marl． 161 White LLart Linne，Barnes． 697 －1 16 ChanRON，94p， 1921 model． 455 ；pericct order and condition，thir． Whalloden， $\mathbf{N} . W .10$ ．
W． CITROEN，75．1925，2－seater，milengo under 1，000，天95．Marrey， Mudran and Co．（ncri George Hotel）．South Woodford，E． $18 . \quad$ Pbancy
Wanatcad 2393．

CITROEN， 11.4 hr，4－scater，rear acreen，mnst excellent condillan throughout，C82 10 s．i exctanges or d
Ed．，corner OUlhnm İd．，Manchester．
CITROEN， 10 5hp，1920－21 motel 4－senter，new hood and aide screena， Rerfand mechanical confition，bargnin，£5S：exchanfe or तeferied．

CITROEN， 1041 g． 1921 ，A－scaler，starter，all－weather muipment ex－ cellent conditon，gunraniced．$f 60$ ：deferredt terma，exchangea．Wilkina，
Bimpong Citnoen，1925， 75 ．2－senter．excelient condition．sharo trre unuped， ballione，extram，tax paid Junc，a90．Fair！igbe，Meching Mrenue，New
bafen．

CITROEN， 7 5hp． 3 －seater．August．1925．Imest mpipment，balloona as urw．mileage only 3.000 ，perfert running laxed December 5 Iat fally Insured till Julg 31 se， $\mathcal{E} 110$ ．Ruescll． 74 Penwortham Rd．，Eireathnte．
S．W．16．

## SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE （conlinued）．

CITROEN，1925．7hp，3－beacer，Indintingrishable pew，many ertras，
 CITROEN，75．2－seatcr，late ty\＆̌，starcer，specdometer，all－weather cord condition．2．56．Зँ Greonhess Drive，South Woodford 697－s809 CITROEN． 97 gha：； 1925 roupe． 7 hp ．Eelf－gtarter，lighting，specdometcr． brllonn eyres，elc．，very small mileage and in new condition througiout，
 CITROEN．F．O．C．IT．．Ltd，have several Citrocos．Bargalos． 5 Heath
 CITNOEN，1924，71n．2－seater，in excellent condition throughout．£75．


Crrinoen， 1926 medel，11．4．fitted English bady， 2 －seater，auperb con－
CITROE： 1924 model 75 ，2－seater，starter，lighting．exeellent con－
 CITROEN， 11.4 hp ． 4 －reater．excellent condillon：terms． 2810 m ，and 10 nıonthly payments nl $£ 8$ ios．．or caph $£ 85$ ．Othera，e75．\＆95，nnd Clisaold 6628． CITROEN aloon， 114 hn ．English bory，excellent condition：terma．
 Accar
6628.

GITROEN，7．5．1923．blae，2－beatcr，dsamm lighelog and starter excep


CITROEN．Sprosen，Lld．for Cliroens．Exchanges，deferred． 1925 Gaineas，Laxed． 111 Gt．Portiand Se．．W．1．＇Phono．Lanatham 1212. CitRoEN．IIarald Simons for bargaing．See＂MIscellaneous Cars．＂ CITROEN 7，late 1925，done 5.000 milce only and as new， 3 －ccater cloverleal buds and complete，bargain，ELOM exchangea，casy terma， CITROEN 7， 1925 3－scater，closerloal，balloons，apecdometer，neve condi：
 Citroen．Cass＇s Motor Mart，Led．（established 19111．English do
 Citnoen，nearly ness 192511.4 de luxe 4 －aeater．complete and in mag－ nificent condillon，fi40 excbanges or caws terma．Cummingas． 101
F＇ulham Rd．，Souih Konsington，S．W． CITAOEN，1925． 7 hp Jeealcr．atarter．ctc．like new， 280 or exchanga cumbinathon and cash．J4a Iicreford Rd．，Wesebourno Grove．W 2.894 CITROEN，3924．2－seater．Enfllsh bndy，sanken dickes．in very fine
 CITROEN 7，\＆59， 1923 2－scater，nelf－starter．Emart apparance，exoel－ lent condllion．Empire Moloma， 325 Figh Rd．．Chiswick，W．4．Ph～no
0303. CITROEN，e80， 1924 2－3－scater，selt－starter，spedometer，appearanca CITROEN，£75， 19234 －seater．ecli－starter，dynamo lighting Denman
$697-84$ CITROEN． 1925 उeeater， 7.5 ，condition new，milcage 2.000 ，trial Wed－ nesday and Sundag．\＆120．KO．， 4 Bertsmead Gardena．Ackin．W97 6919 CITROEN，late 1924 ，seater English body．halloon tyres．rear screen， as new，el20．Blaxton＇s， 21 Swallow St．，Piccadilly，W．1．Gerrard
$3548-9$. ．
$697-157$
 CITROENS．A real snip．Sce pago 55 ．697－932

CITROEN． $7.5,1923$ ．Eood running order，good sppearance， 55 guineas，
$897-1927$ CITROEN，1926．114．4－ecater．Englioh bedy．milleage 400 ．positively
 CITROEN，${ }^{\text {P5 }} 59$ ：exchanges，deferred parments． 1922 Citrnen， 7 hp ， wheel，gned runditlon．Scabridge． 35 Hansler Rd．，Ease Dulaich．
Sydentam 2452 ． CLYNO， 1923 ，chammy 4 －geater，starter，ctc．， 282 10s．Bartletta． 93
GL．Portand St．
$697-170$ CLYNOS．A real salp．Sce page 55．697－931 CLYNO， 1925 \｛August\}. 4-seater Roval model, cost e235, nsed foo tnke Cowlev．ginndard or Austio part pasment．Fryer，Dove wilt，
Uitoseter．Phono 112 ．

## SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE (continued).

 Cont. 8559.

CLYNO, 1925, Royal 4-stater, fitted with erery accessory, 2 netv tyres on rear, remainder execllent. inaped for year. the whole in excellent con-
CLYNO, 1924, de luxo 4 -seater, recently overhauled and fitted with
 Garden City. Herls, Pliono $206 . \quad$ 697-896 CLYNO. Caseia Motor Mart, Mtd. (estanhlished 1911). 1925 1-seatcr, CLYNO do luxc. Cass"s Motor Mart. JAcl. (established 1911). 1924 (Detoher) 2 -sinter, dickey sinter, electric horn, numeroms extras, taxed
December, 105 cuincas. Belows.

 exchankes or deferred. 11. w. Edwards,

COVENTRY-PREMIER, 1922, 2-scalers, donblo dickey, dynamo, 3 Epecta, reverse, specdomoter, good running order, f44 unwards, many

 COVENTRY-PREMIER, 19228 hp 2 -enter and dickay. dynamo. hallion
 COVENTRYPREMIER, 19224 4hbeler, dynamo IIghting, in perfect


COVENTRY-PREMIER. 1921 -whecler. 3 -fpeced, rercrac, spare wheel,

deEmSter. Sonth Fallne Garage. 1920 10hp 2-sealer, dynamo licht-

ENFIELD.ALLDAYS, 1916-17, 10hp 2.senter nnd dickey, pistist.


ENFIELD.ALLDAYS 3-cater, eporis, 1923 , full cquipment, 2 sparo

 food candition owner must scli gor husincas reasona, gearbix ingt nerf: inc nna startine. many crirne. inelucling shock absorbers. An m. p. 55
 during busincogs hours Clerkenwell 6000, or writo Box Nin. 3745. F.O.
2zz-501
ERIC-CAMPBELL M. F. Edwardg Aftre branil-new shon-sofled 1926
 Below.
ERIOCAPPBELL, brand new shnn-solled 1926 model. 8.20, chummp, starter clock. sneednmeter, all-weather equipment, list price, $£ 195$, our

ERIC-CAMPBELL, 1925 Hato). 8-20, ETarts 2 -qcater, stnrter, clock,


ERIC-LONGDEN, 55 eninena, 1923 sparts 2 :ecater dynamn lighting





## SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE (continued)

FIAT cars. Accredited ngents, Moore's Prosto. North End and Tam-
worlh kd.; Croydon.
zzz-18




FIAT, $10-15 h_{i}$ A-scatcr English hods, all-weather cquipment. bal-


FRAZER-NASH, 1.100 c.c. Akela modul, besel drive, o.h.y, and camshalts sister car to that driven by, Mlsis lvy Cnmenimgs. holds many premicr awards in tho North, where it is casily the fantest i, ion o.c.


FRAZER-NASH. Sproben, Titd, for Frazer-Nnshg. Exchanges, deferred, 19251, snecial sports 3 -scater Anzank, ungeratched many cxtras, smali
 C.N. IR, Re follfey, the original designer and manufacturer, for tho
Ueat G.N.s below.


 C.N, 1921 , overhauled, repainted, coonnmical, 50 M.p.11., tyres, excel-
 G.N.a. Vadum Co., premier specialists in overhauled and guaranted


 C.N. 1920. 871 n. whth lrazer-Nash o h.v. heads. 2 sealer, polished alu-
 ${ }_{2}$ Acro Trincex windereens, smith's trip apeathemeter, 8-dav disek, 4
 Rowhar, Smith, 78 High
 C. N., 1921,2 -scalur and dickey, dynamo lighting. 2 heallamps, safcty Ward and Co., 51 Upper Richmond Rd.. East Putncy. Phono 2818.19. G.N. South Ealing Garage. Tro excentinnnlly good G.N cyclecarr, just thoroukhly overhnuled, many new parts fillod detachatila whicels with
sparc. drnmmolightigg, ctc., ono 3 -acater closcrical, $£ 30 ; 2$-scaler. 535 .
Faling 2983 .
G.N., 1922 modela, In good rendluion, fully equipped with dynamo,


G.N.s. Earls, Itcl., can eupply a bargain for Easter.
G.N. $19{ }^{9} 2$, Louring, dynamo lighting, electric horn, iljekey scat, painted C.N. 1922 tourine, dynamo lichling, Inrgo Lucas headlamps with G.N. 1922 (late], dynamo lighting. dickey seat, very good condition, $\mathbf{5 3 7}$ G.N. 1922 coupo. dyamo lighting. black hood, double screen, bargand, G.N., 1922, dynamo lighting, electrlo harn, nicely repainted blue, $£ 38$ :
G.N., 1920, dynamo lighting, painted bull, rans very well, s22.
G.N., 1921, dynamo lighting, detachablo whecls, ctc., bargain, c25.
G.N.s. Several others in stock. Also Morgane nind other sporing capa.

C.N. 1923 2-seater nncl dickey, 3 -speed and reverse gearloo, Elath drive,


C.N. (reglstempl 1022 ), 2 geater, 3 speeds, rescrece, ppare wheol. hood, screen, only 39 guineas; exchango motorescle, weekly payment. Wand
worth Molor Exchange, Etner St., Wandsworih (Tow-1 Slaition). 697.107

GПAHAMEWHITE, 4 hp 2 acalur, 2 apecds, clrctrlce $216 ;$ deterred terms, cxclanges;

## SECONDHAND <br> LIGIIT CARS AND CYCLECARS FOR SALE (continued).

 meler sparo rim, etc., tytcs na new, taxed, sacrifice, $\mathbf{f} 35$ or exchango
 G.W.K. Messrs. G.W.K. Ltd., Cordwalles Works, Maidenhead,
number of sccond-hand cars lor sale at largala prices.
697-89 c.W.K., 4 scater, excellent condilion: torms, f4 nnd 10 montbly pay-
 C.W.K. II. F. Edwards offer 1926 model 1 Ohn 4 -seater, completels



 CWYNNE car overlauls, bodywork and apares; sccond-hand Gwynno cars bought and sold, advice and estimates frec. Gwynno Cars, Ytd. manu-


## CWYNNE 8 cars. horn, specdometer, can carrier, olc.A. Aiso ce85. 1925 2-scalcr chumniy, C.A.V. starting and lighting, electrio    E138. 1924-5 4 -ecater all-weathcr, O.A V. starting and lighting, clco   And guarantecd as now in every respect. 

 GWYNNE 8 chummy, Junc, 1925. electrio lighting, starting, spring f85. 59 Lansdowno Rd., Tollenham. Mravion Motor Co., 10 Yeomans Row. Brompton Rd. S.W.ड.
697 Slanno GWYNNE 8,1923 chammy 4 -scatcr, tayed, spleodid order throushout,
 HAMPTON, 1923. 10 hn , 2 seater, dekey 4 speed, starter, etc, good
 HAMPTON 1921 , $9.8 \%$, 2 -sce ter and double rlickey, starter nnd overlinulcil and absolutely sound, insured until September. £57: Or delerred. Naylorg. ${ }^{45}$ and 406 Garralt Lanc. Varleficld. 8. Wiv. 18.
G97.126

HANDS, 1923, 4-senter, starter, excellent condtion; terms, fis 10 s , and
 HILLMAN, 110 ans.; sports 1922 (late), polished aluminium bady,


HORSTMAN super-sports. This famous car, succossfully driven by Capt. Trubio Moorc, is now lor salo. holds many premicr nwards. Including tho recort for Garrowby Iill, Y/i mile in $521-5$ gecs. from a stancling start; fullest equipment. alternativo genr ratiod over 100 m.p.h. it required
quite trattable nnd casily drivont through town on top gear. What offeraf 8 Otley Rd., Lecds.

HUMBER, R-18hp, 1923 vummy 4-geater, Tumber mole, dynamo atnrtor, specdometer, lugnage carricr, spring gaitera, sparo potrol cnn


 Molors, 49 Green Lanes, Newington Green, N. 16 . Clissold 6628 . 697 -s826
 19001.374 Euston Rd. Muscurl: 7600 . $697-967$

HUMBER. laln 1925, 8-18hp, saloon, this car is ns brand new through out, milago 3,000 , balloon tyras (listed at $f 5151$, my price, Sncluding lancous Cars."

HUMRER, 19238.18 chummy, balloon tyres, laxed sear, f110. Geonge
Nowman and Co., 569 Eublon Rd., Londan.
HUMBER, 1925 chummy saloon. lallonne, shock absorbers, lavishls equipped. low mileago. brautiful nnd pretty car, in new condition, $\mathbf{f 1 8 5}$ 344 King's Ret., Chelsca, S.W. Phone, Kensington 4633 , ${ }^{\text {and }} 697-910$

## SECONDHAND LIGHT CARS AND CYCLECARS FOR SALE (continued).

HUMBER, 1924, chummy, balloon tyres, almost new condition, many extras, f120; exchanges, and extended pasments. Cummings and Simp.
son, 5 Putacy Bridgo RA., Wandsworth.
I'utacy 2728 . JUWETT, 1924 (Aug.), A-seater, s.\&, excellent order throughout, $\boldsymbol{x 1 2 5 .}$

JOWETT SERVICE STATION (T.ondon), maln agents and specialisis.
 JoWETT, 2-scater and dickey, 1925-4, only done 9.300, mechanically Barker, North Rd. Relford. JOWETT, blue, 2 -seater, laxed year, nice condition, one owner, perfect, £68; exchanges deferred. King. New Rd., Oxlord. JOWETT. F.O.C.II., Ltd., the Londlon depot and service station. have a large stock of kamanlecd sccond-hand Jowetes. 5 Heath St., Mamnelmad
(Tule Slation.) JOWETT, 1924 7hp 4-scarer, starting, lighting, specdometer, taxed, 697-875 JOWETT, 1923 2-scater, dickey, balloons, sear's zax, repainted, \&75 JOWETT, 1925 2-scater, starter, excellent condition, 298 ; exchanges and
 JOWETTS. A real gnlp. See page 55. 697-933

JOWETT, 2 -seater, dicker, execptionally good condition, an neceasorles. any trial $\quad 275 ;$ delerred terma, exchanges. Mans other makc.
Andrews Motor Mart, 151 Whito IIart Lanc, Banes. Jowett. IR. G Gamble. Cryntal Palace.
Fhr tho beat accond-hand Jowetts consult the specialise
1925 2-seater, dickey, self-startcr, orcrsize isres, 2105 .
Sercral others, all guarantecd, from e e75.
Exchnnges, deferred payments.
Jawett Serpice Depot. $16-22 a$ Gipsy Hill. Crystal Palace. Thone,
Sydent
LAGONDA e50, 1922 compe, 2-scater and double dickey, self-starter, Nock, spocdometer, tyres rocgl. Denman, 4 Denman Place, Piceadllly
Circus. Rem. 386.

LAGONDA, 1922 , 4-seater, $£ 45$, ell-starter, specdometer, aly eccessories,
LAGONDA. f59: exchanges, deferred payments. 1921.22 Lagonds colipe. sunken dickey. Whecl, excellent condition. Scabridac. 35 Langler Rd.. East Dulwirla-

LEA-FRANCis 1925 10hp 2-seater, double dickes, 4 -speord model. leather upholstery, rigid curtains, balloon tyres, foll equipiocnc. as naw, very Gast, owner baght 4-srater ia:ne meke, any trial. 2150. C.9. 107 Tha
 LEA.FRANCIS, 1924, 2-scater and dickes. sell-starter, pres good. ex Circus. RCg. 986.
Cional guincas. Denman. 4 Denman Place, Piccadilly
$697-86$ MARSEAL, 1924 4ecater, 1. and , repainted and overhouled, 2100
 condition, 55.guineas: exchangca or delerrad. Edwards. 175 Gt. Port MATHIS, 2-seater ancl dickey, excellent order. 3 acw tyres, ho-d. sidm MATHIS. A real smip. Sce pago 55. 697-93-

MORGAN, 1923. Popular, 10hp Bluäturne engine, paintel grey with black and yellaw lining, black wings, 7 CO by 80 tyres thanghaut (Bate on front wheels, Duncon cord on rear. all excellent, electric lightigh 48 guincas another, late $: 921$ de luxe, dynamo lighting. 55 puincas


MORGAN, 1923, G.P., IOhp M.A.G. cagine, dynamo, spedometer and clock. Below:
 Morgan, 1922, Grand Prix. water-cooled Blackburne cnginc, dsnamo lighting. 5 lamps, special racing chassis, Last grarantced sound, $697-998$ MORGAN Sarvice Depot. Official appointed repairers by the Morgan Motor Co. for London. Full ratage of spares carried. New and sccoad hand machines always in stock. Trade supplied. Offial agents, Homac's
245 Lower Clapton Rd. E5. Clissold 2408 .

MORGANS, new and sccond-hand; cash, exchange, deferred We bu: Morgans. Ulympis, WakeGeld.

MORGANS. James and Co. (Sheffield). Ltd., 261-7 Ecclesall Rd., Shel cield, ofticial agents. Good stock of spares carried. New and second hand machines nearly always in stock
2460 Cenfral, or wiro "Tact. Sheffield.
MORGAN. 1amily, 1921. IOhp M.A.G., w.e. speciameter. excellent con-

## SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE (continued).

MOREAN Serrice Jepot, JIall, 91 St. Peter's St., St. Albans, Tel. $6 \overline{6} 6$. Appolnted onlicial repsifer by Morgan Motor Co. ig14. List of new and used Morgans seat on request.
MORGAN do Juxe, 1921, water-eooled M A.G.. execllent ennultion tast, E49; mivato owncr. IIytho Engincering Co., Stalnes, Middesex. Phono
697-r313.

MORGAN, 1923 (May), Family, Mt.A.G. engine, water-cooled, dises. ascles pncumatic. unholsicry, hood eri oxcelical condition and appearance, swall mileage, 70 guincas. 80 Bowes Rd., Palmer Green.
 MORGAN, 1923. 8hn MA.G. cuginc, Famis model, dynamo lighting, Krnh ennditlon, c75: exchnnges Acfrred pasmmes. Parkor's. Ifd.

MORGAN, 1921. M.A.C. enginc, de luxe modsl, 2-3-scalcr, discs, etc. bargain. £52 10s.: cxcbanges, Mhiud and Co., Quocn's Rd., corncr 697.852

MORGAN, racins. 8-ralre, M.A.G. engine, world record breakar, an imitel sparcs, what oters? 11 Ainherst Rd, Withington, Mnnchester MORGAN, Eamily model, J.A.P. engino, water-cooled, dynamo lichting, MORGAN 1901 2 697.880

 MORCAN, $1924, G$ F. model. Blarkburne water-ooled englno, dynamo $697-883$ MORCAN, 1924 do luxe model. Blackburne encine dsnamo lighting. exchanges, doferred King, 6
 MORGAN, Inruily, Augual, j923, 1axed Jur year, low milcage, one owner,
in perifet order, 697 . 68 . Phillips, Crossbush, AnandeL MORGAN, 1923 du luxe, in thoroughly gond ramning condition owner celling owing to illnass, taxed. £55. W'ila Mnor IFouse, Chilton Polden. Simelset.
MORGAN, Acro, 1925 Anzani, widc body, clectric and bulb horns,
 nized Morgan specinlists. Do not fail to consult us beforo buying your sepairs. Morgana tuncd for syece or competilion work under the per-
sonal superrision of our Mr. Benr.

MORGAN, 1923 G. $P_{\text {. Anzani, Lucas dynamo lighting. spollight, diso }}$ wheela. sperdomeler, dashlamp, tyrea geod, a real bargain, onc owner


MORGAN, 1924, de luxe Blackburne, water-cooled, special ride body; dynamo lighting, tased year, $£ 90$ : liberal exchange, car, motorcyclo:


MORGAN, Aero, Junc, 1925, 1.w.b. हpedometer, hoor, J A P.ı 1,500

MORGAN, 192 jill. G.. o.h.s. Anzanl, toxed scar, 270.5 Daysbrook MORGAN, 1924/f, tandard, J.A.P., dynamo lighting, dashlamp, 2 horna


MORGAN, 1924, de luxe, wator-copled J.A P-, dsnamo llghting, f80, excellent cundthon: evenange. Deane, 18 Midhurst Avenuc, Muswell Ilill.
Morgan, 59 gutncas, 1923. Graud Prix, dyammo, excellent condition. MORGAN, 79 guineas, 1925 Grand Prix, Anzani engine dsnamo sperdometer, specially tuwed. Fupiro Motors, 325 Migh lid., Chinwich.
$\mathbf{W} .4$. Phoae 0303.

MONGAN $\boldsymbol{f}_{1} 79,1924$, family model, water-cooled, dynmo, specdometer, splemild runncri also 1925 lamily model, ns new, fysi exchangen. Ein-
pac Motors. 325 ligh Rd., Chiswlek. W.4. Phono 0303 . $697-75$


MORGANS. IIomac's havo for disposal the following gharantced 1925 Acro model, w.e. Anzant, hood, sercen, spotlight, large iyres, 1924 Grand Prix Anzani, djnamo, front-wheel brakes, disen, 285 Any of the nbove wachines can be supplled on deferred terme. Inmarin. offial agenta, 243.7 Jower Clapton Rd., N.E. 'Phone, Clis-
cold 2408 .
$697-195$

MORGAN, Grand Prix, water-cooled J,A.P., good tyres, paual cquipment, £41. 161 lessiugham Avenuc, Tooting. Streatham 3651. 697 -x 728 MORGANS. Fxchanger, delerred payments. 1922, family model, w.-c. dymmo lighting. 569 ; 1923 de luxe, w.ec, $569 ; 1922$ do luxe, wi.e.



## SECONDHAND

## LIGHT CARS AND CYCLECARS FOR SALE

 (continued).NEW CATOEN, i923 nad 1924,2 eseaterrs and Family models in stock nt prices from 230 to $\mathfrak{f 5 0}$, These cars irro in good running ordar


 Winer, condition ns no 1, . Cll . Roupell, 24 percy St., W.1. Muscum
3756 . RENAULT, 1924, 8hp, 2-scater and dickey, balloon isres elcelric lightlag nad starting, taxed, ns new, iist e2.35, our prlce é1io, cash de-
 RENAULT 1925 ghp coupe, \&w. balioon tyres, spare wheel mused,

 RENAULT, 8.3, 1925 2-seawer, excellent condition, $\sqrt{2} 135 . \quad$ Gcorgo
Nowman end Co., 369 Euston Rd., N.W.1.

 RHODE, 9.5 hp , ocersicual 4 -scater, 1923 model, in splendir condilion, apecial allweather body, recenty remainted, new, balloon isres, full clec-
tric cquipment, tax paid for year, prico f90; trial by injointment.
Pullman, Midland Ironwoks, Newark.
 RHODE SPORTS, 1923, blve, outsido copper pipe dymamo
 L8, no olfers. Brown, 3 Douro 1ra, Cheltodaum. -697-6842 RICHAROSON 8.9 hs 2-scater, dickes, overhauled, renainted, new hogd, ctc. Largam, fill
Olcham Rd., Manchester. RIGHARDSON 2-scator, dickes, ciectoic lighsing, sery smart littlo onr
© 19 10s. Olympia, Wakeficld. RICHARDSON, 19212 -6eater and dickey, 9 hp Precision cngine, 4 out, reads for uso, e15. Teddington Garagc, 160 ILigh St., Tcdedington, RILEY. Moss"g Agencies. 19244 door 4 -scater, excellent condition. Riley. Jewes Motor Works, Sussex. All Riloys completely overlinuled

Wefore olfered. Writo for stock list. RILEY 1924 sports, 2 -scater, privately owncd, excellent condicion | throughout, any inspoclion, genuinc largain, owner buying another, |
| :--- |
| 55 , no dealcrs. Box No. 4139, co. "Tho Light Car and Cyclccar." | RILEY, sumer-sports 2 seator hody. red wings, on Morris ehassin 65



 RILEY 11 hp 4 -seater, repalnted, e115: ciclerred payments, exchanges.

1. Hailton and Co., 6 Chapel St., Saliord, Manchester. Cent. 8559 . ROVER 91925 2-scotcr, dsnamo, slarter, dickey, £110. Garage, 12
 ROVER 8, 1924 chummg, all accossorics, $£ 65$, taxed, 54 Northficld
Aro., W. Ealing. ROVER grorts model Shp, now September, 6 tyres, as new. II. Wright's
Library, Dover. nOVER, 9-20. 2-seater do luxo, leather uphoistery, 1925, mileage 5,000, ROVER, 8hp, 1922-23, 2-seater, electrlcal cquimment, looso limen corers,
£55. 69 St. Paul's Avenuo, Willesden Grecn, London. nOVER, 1924. 8hp. 4-scater, ecrms © 8 10a, and 10 monthly paymenta of $x 8$ 10s., or cash $x 85$; also chummy at $£ 75$. McCarthy's Molors. 49 ROVER. H. F. JEdwarda olfer tho following Rover 8 Jargaina:1923 do luxe 2 -scatcr clock, specdometer, stadter, dickev, leather up1922 model 8 hp 2 -scaker, completely equipied, good condition, $45 \mathrm{ans.:}$ exchanges or deferred. Edwards. 175 Gt . Portland St. W.1. rang.
ham 4162 . ROVER 8, $1921-22$ models, perfect condition, from $\boldsymbol{\mathcal { E } 5 9 \text { . A.V Motors, }}$ Park Rda'Teddiagton. Telephone, Kingston 710 . 697-993 ROVER 8, chummy, do luxe, 1923 , real leather upholsterg, clock,


> A trial advertisement in this section of "The Light Car and Cyclecar" will prove to you its value as a publicity medium, reaching users of small cars direct.

## SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE (continued).

ROVER, 1926, 9-20hp, oht. sporta 2 seater, practicnlls, unsoiled, niu minimo líriting liuras starter, cantilever spriaga. spring gaicers, greasco gun Jubrication, nunlop cordj ballcon tyres, spare whecl and tyrc. disappearing hod, ade curtaina, V double windscrecn, Smithi a apedo-

 St.0 IIaropstead. 'rbone, Inmmstead 842l.
 ROVER, 9.20 Eemember, 1925 , do luxa 4 -seater, 4-door all-weather cquipmeat, lalloaga, clock, spectometer, spare petrol can and carricr,
rioror, screen wifer, sprijg gaiters, fult kit tools, done 3,000 miles
 Co., Allon, Ifants. ROVER 8, 1922,2 2seater, excellemt rondition, all-woather fitments, ds-
namo lighting, 550 . Boot. 2 Albert IRd., Southall. RoVER, 1924, 8hp, 2scater, doublo sunken dickes, aide curtains, Pitlo
 ROVER, 9 -20hm, 1925 , 4-scater, starlem, all-woather equipment, Triplex
 ROVEA, $9-20 h p, ~ 1925,2$
tooter, sealer de luxe, slarter, double dickey, specdo-
new, tax jaid till December, guaranteed, itis5, de-

 Portland St., W. 1 "Phooc, Ladgham 1212. 697.826



 ROVER, 1924, 8hp, 2-senter, double dickes, rocent model, taxed, any in-


 ROVER 8, chummy, lato 1923, specelometer, do luxe, excellent condition, ROVER 8, 7924 model 2-seater. dlokey, starter, specdometer, goorl con-
 ROVER 8. 1923.4 chumms, conplete nne reaty for immednte use, Cummings, 101 Julliany It ROVER, 8hp 2-senter, pertect mechanical condillon, reently repilinted, economical and reliable, inx pald to December, good iyres electric lighting. matic mindacreen wiper, petral can carrier, Pyrenc firo extinguisher,
apectomeler. \&60 or nearest ofler. R. J. Scdgwick, 36 St. Mary ${ }^{\circ}$ Gate, rover 8. liarold Simons for bargains. Sce "Mlscellaneous Cars." RoVER, 105 guincas, 19259 hp 2 -sencer and double dickes, starting,
lighting, balloon tyres, doublo screen, all-wealhor equipment, a real barlighting, balloon tyres, daublo screen, all-wealhor equipment, a real barROVER, 1922 8hp, 2-seater, dynamo lighting, ripid side efrtains, apedo-

 ROVER 8, 1922 2-seater, dyunmo, epecdometer, hood, iaxelt, sond tyres, | ROVERS. A real snip. Seo page 55. | $697 \boxed{507}$ |
| :--- | :--- |
| $697-955$ |  | ROVER 8, 1924 full 4 -seater de luxe, insured 1927, taxed July, as uew, used weck-ende only, dully equipped with sill extras, .880 ar nearest

oller, trial. Hulton, 270 Cross Rel., Covontry.
 ROVER 8, 1922 , repainicd bluc, wings blark, completely overhanled, L58; cak ordick. Na, Elham, Londonk. $697-$ s925 ROVER 8, 4-scRter, in superb condicion throughout, guaranleed 12 HOVER 8s and 9s, 2-seaters. chummies and 4-scaters: deferyed psymente, oxchanges. D. Rallion and Co.. 6 Chapel St., Sallord. Manches. ROVER B, 1923, 2 -seater, dynamo lighting. spare whecl, escellent condition. 48 glideas. Whitbss. Tho vale, Actod, W.3. 697-164 ROVER 8, CGO. 1933 rhumms, etarter, specdometcr, privately ownod, excellent condition, S. Kenslngtan district. Box No. 4193. care of
ROVER 8a Titjen and Inllicr. 110 Woodrale, Monor Oak, S.E., bave the following in nicc conditlon, fully oquipped and ready for a trial run:1924 Rorer 8 , full 4 -seater, e75.
1924 Rover 8 , occasional 4 -aeater, f72.

Rover 8, Qescater, painted brown, electrio born, etc, insurnd sear,

## SECONDHAND

## LIGHT CARS AND CYCLECARS FOR SALE

 (continued).ROVER 8. Finchley Motors effer 1924 2-zeater nnd douhle cunken dickey. dynamo and starter, clock. specdometer, licensed, excellent con-
dition, f75. 152 High Rd., Eist Finchles. Phone $2338 . \quad 697-145$ ROVER 19238 hp chummy, dynamo lighlling, recoachpainted, thoroughly ROVER, 1924 8hp A-scater do suse, starter and lithting, all-weather equipment, yres excellent nnd spare, paintaork and uphostery perlect.
 ROVER 8, 1922 , 2-seater, in excellent coddit!on, 45 guineas. Clark's, ROVER, $19241 / 2,2$ scaper, double dlckey, dsnamo ligheing, Eelf-staster. Minost new balloons, double hoolers, speedonicter, double batteries, 69 Wandsworth (Town Slation). Wansorth Motor Exchance, Ehar-106 ROVER, 8hp, 1923 , chnoms, numerous extras, excellent tyres, small
 ROVER 8, late 1924, a-seater, specdometer, elock, etc taxed and in-
 ROVER, $8 \mathrm{hp}, 1924$, model de luxe 4-ecater, speodometer and clock, finlshed maroon, gew hood, In beautiful condition, lke new. \&85. de-
terred or exchange. Tho Telephone Motor Works, Lid., Allscp P1., Eper ROVER 8. South Enling Garage Exceptionally good 1924 Rorer 8, 4 scater, orisinal pantwork anscratched, many criras, very good tyrea
(4 Dunlop cords). Jively and sound racehanjcally, e85, any examinalion.
Holow.
ROVER 8, 1923 model, saloon coupe, siarter, painted blue, leather pplolstery, hood Lyruss many cxtras, idcal ladss car, f75. South Faling
$697-60$ HOVER 日, 1923 , 2-seater, new hood and rigid all-weather equipment, siarer, mirror, etc.ivery nice condition throaghout, e5j. K.J. Motors,
So Widmono Rd., Bromles. ROVER 8, e3.9, 1922, 2-scatcr, dsamo lighting, very smart and gooll Roven 8, C48, 1924, 2-Enaler, dickey, exceptionally good condition. ex-
 FOVER 9,1925 , 2-seater, dickey, eelf-starter, condition guarnatecd,
 ROVER 8, 1922 , 2-seater and double dickey, in excellent order. epen
to any tria! or examanalion, £37. 67 Fernlea Rd. Balham. $697-198$
 Scura SO78. ROVER 8, 1922 do luxe, clock, specdometer, leather uphalsery. etc., ROVER 8, 1922, standard, in really beaullful condition, fally equipped,
ROVER 8 , late 1923 , chummy model, de luxe, with full equipment.
guarantec tu splendid rungiog order, $£ 68$. Andrews.
 SALMSON. Apply tothe London distributora, Gordon Watney and Co.. changes and special deferred terms arranged.
 SALMSON, 1925, $10 h p$, 2-seater aports, rery fast, excellent condition.

SALMSON. Sprasen. Ltd., for Salmsons. Exchanger. dcferred. 1926 sALMSON. Sprasen Ltd., for Salmsons. Erchanger dcierrcd. 1926 taxcd, $£ 125$.
1922. delivered 1923, 2 -seater, dynamo. perfect condition, clock snecda
 SALMSON, 1925, 10hp, 2qater do luxe, sunken dickes, condition as
 SALMSON. Grand Sport, 1924, orerhcsd camshalt model, streamline bodip, repainled iulls equipped, $\mathbf{i n g} 20$. Full particulars, Waple, Giajes, Lichfield. $697-5813$ SALMSONS. Vadum Co., specialists in used Salmon cars, will be closed range of ince cara, including $192.31 / \mathrm{s}$ at $\mathbf{5 6 8}$ : 1924 st 987 10s. 1924 (rerg iatol, aith special sports enginc. $£ 88$; 1925 model sparts. £98: convenient delerrod terms, exchangea. Also G.N.s
 SALMSON sports, 1925, only run a few miles, ang trial, f125. The

SALMSON, 1925 eports, 10 hp 2 seater, orerhead camshalt, 1.w.b., mahogany body, aluminium wings, wholsterow red leather, cost over ${ }^{2} 300$,
geauigo bargain, $£ 175$. Kenlys, 91 Gt Portland Si., W.1. 697-87i SALMSON, 1925. English body, 2-seater and clickey, self-starter and lull cnuipment, .c125. Boon and Porter, Lld., 159-16.; Castelnau Barnes,
$\mathbf{S}, \mathbf{W} .25$.
 (Fourth tirn right from Marble irch.) Miwase open.
SALMSONS. A real saip. See page 65. 697-936 SALMSON, 1924 de luxe 2 -seater, very fast, 290 deterred parments.
exchanges. D. Rajilon and Co., 6 Chapel St., Salford, Manchester.
Oent. 8539 .

## SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE (continued).

SALMSON, cholec of two, 1925 model de luxe fully cenipped nnd in sce condition, Irom $\mathfrak{c} 70$. SENECHAL cars. As tho sole coricessionnaires for Great Britaiuc wo


SENEGHAL. Sprosen, Ltd., for Sencehals. Tixchanges, ucterred. $\begin{gathered}\text { z2z.-1 } \\ 1925\end{gathered}$

 SENECHAL, August. 1925, roony sports 3-scater, Hartlords, self
 SINGER, 1924 1Ohp 4 -scater painted bluc, electric llzhta, sell-starter, all-wenther cqu Susse Place South Kensington. Jhonc key, E125 SINGER, $10 \cdot 26 \mathrm{hy}$, 4 -seater louring model do luxe, printed dark blue, purchabed February. 1925, excellent condition, just overhauled by makers, mechnnism in perfect order, iyrea replaced 5 montha ago, fitted with f20 worth of accessuries, including llartiord duplex shock
 SINGER, spectally tuned, $10-26 \mathrm{hp} 1925 \mathrm{model}$ do lux 4 -senter lourer, SINGER, specially tuncd, 10-26hp. 1925 model do luxo a-scater tourcr, blue, in perfect condition mexhanicalls and otherwise, recently fitted with vew tyges and magneto, many acressorics, includng llarlford shock absorbers, 2 mechanical windscreen nipera, driving mirror and paraholite headlamp lenses; an excentional car for $£ 165$. Bennett, 03 llubland St.
zzz. 819

 SINGER, 1924 10hp Weymann saloon, excellent condition, cib0 ex-
 SINGER, 1924-25 do luxe 2 -seater, sunken dickey, condition ns new, tased, etc., xioe: delcricd payments. 21 Pennant Mcws. Earli Court
6684 Western. SINGER, 1925. 10-26hp, 4 -sealer, de luxe, full equipment, excoptionall, fine condition, guarantece, di60; casy, payments, exchanges. EINGER, 1921. 10lin, z-seater, dickey, oscrhauled by makers June 1925. new hood, side acreens, mirror, screen wiper, clectric and me chanlcal horna, 12 -valt atarting and lighting sct. Redholme, Ashby
Ru. La
698 -s519 SINGER. $10 h \mathrm{p}$ car, 1916. wih dicker, densmo lighting. good condi SINGER 10, 1919 . 2-scater, sound and rellable, good tyres, £40. SINGER, 1925 (July), 10-26 4 -scater de luxe, emall milcagr, practically new, \&165. Lionel II. Dugh. 56 Soulh Molton Sc. W Mayfair 4433 SINGER. Casa'a Motor Mart, Itd. (Established 19111. 1925 do luxa 4 biuc exceptional cond
SINGER, 1923, dr luxe, 2-seater, slarer, aplendid condition wroughout SINGER 6 ad ranged. Cummings. 101 Fulham Rd., South Kensington, S.W. 697-917
 SINGER, 1924 (late), 1 Ohp, 4-scater do luxe, 12 -volt lighting set, rigid changes, extended parmenta. Mcars and Bishop, Lid., $225 a$ and 227
$697-876$ Hunnces, extcried parment. Riserside 4191-2.

 SINGER, 1919 2-seater de luxe, starter and lighting, many extras, nny
examination, $\mathbf{~} 30$. Plater, 576 1lich R., Streatham. Phone 489.
SINGER, 1925, $10-26 \mathrm{hp}, 4$-seater, in new conditlon throughout, mileage SINGER, ${ }^{2} 925$, $10-26 h p$, 4 seater in new condilion throughout, mileago negligible, insured 155 guinean: exchange or terma. Chester Mighall,
Itd.inourclitfo St. Fidgwnre Md. Padd. 3553 . (Fourth turn right from
Marine Arck) Alwaya open. SINGER 19244 -seater de luxc, as ncw, c115. 43 Green Lane, Penge.
Sydenham 604.

SINGER de luxe, 1024 , 4-seater, sels atarter, Iully cquipped, almost new Sondition, 5 Putney Bridgo Rd., Wandsuorth. Putacs 2728. 697-187
SINGER, $10-26 \mathrm{~h}$, 1925 , 4 -seater, blue, good condition, 8,000 milcs,
SINGER, 1934, 4.seater de luxe, ouve, A1 condilion, $£ 117$. Streatham
2014, F'rench's, High Rd., Balhan, SINGER, f99: exchanges, deferred payments. 1924 Singer 2-seater dicker, johp, lighting, starter, all-weather screcna, apecdometer, electric
horn, apare whect, taxed, excellent oondition. Scabrldge. Below.
SINGER, £95, exchangea, deferred payments. 1923 de luxe 4 -seater, 10 hp , lighting, atarter, all-weather cquipment. aparo uhecl, smart, excel 697-177
SINGERS. A real anip. Sco page $55 . \quad 697-937$ SINGER, o.h.x., chassin compicte, thoroughly or: baulcd, as new, good tries. drnanio, slarter, electric horn, all lamps hurf real, aide curtains, needs body to comptete, hate $\operatorname{Itmood}$ IIatch Garago, Basiogstoke.

## SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE (continued).

SWIFY 9lip 2-seater, presentation model, chnmplon hill elimber, condy
 SWIFT 1O2S 10hp A-sester, in new rondition thronghout, vary small

 SWIFT. F.OC.ll., I.uA, knve several Swilts, bergaina. 5 IIeath St.
Ilnmpsicad. ('ube Station.)

 SWIFT, lOhn, 3 scater, must sell, owaer invalided. sGO. Conwal I.ondon, Rel, JBedlinri.
SWIFT, 1Olin. 1923 . 2-seater de luxe model. taxed. Glarter all-wenther equipment, rondilion ng new, any trial or cxamination, s75. Jlater.
376 Iligh Rd. Slrentham. Phone 488 . SWIFT chummy. 1924 . 1 Ohy, very clean condition, snip, \& 13 and 100
 SWIFT 2 scater, 10 hys starter, very clean, terms 88 10s, and 10 monthly paymenin of e8 10 s., or cash .285. Nr.Carthy's Mntors. 49
Green Lancs, Newington Grecn, N. 16 . Clissold GG28.

 TALBOT, $3025,10.23$. A seater, starter, rack. specdometer, excelent

 TALBOT. II. F. Fisfwards nffer 1926 model $10-23$ 4-door naloon. com




 TALBOT roupe $19 n \pi$, B-18hn, dickey, starter, lighting, laxed and in-
 TALBOTS. A real mпl刀. Sce pago 55. 697-939 TALBOT, 1924, 818, 2-sealcr, finished in maroon, absolutely in first-
 T.B., 1925 3-whecler, 8hp, water-cooled. $\bar{j}$-speed and rererse, Inter-tondon-Edinlaurgh qual medallizet. all-alnm nilm sporis body in exenp-
 WOLSELEY, JOhn 19232 achler do luxce. Just pepalnend and orerhauled,
 WOLSELEY 1994 IOhp 2 escaler and dickey, rery little used, perfect.
 $\begin{array}{ll}\text { WOLSELEY, } \\ \text { Cambria Rd. } & \text { Camberwell. S.E.5. excellent condition: no oficrs } \\ 698-865\end{array}$ WOLSELEY 10 , de luxe model。 2-3-smter, dickey, all-weather equipment,
very nice order. fuarantecd. e8? 10s., exchages. Rhind and Co., very nice order. Ruarantecd, fe8? Mos., exchaoges. Rhind and Co.g WOLSELEY 1928 10hp de luxc, 2-seater and dirkey seat, every neces-
 Chertham II WOLSELEY Mrant-ncu 11 -22hp ?-ecatcr, spocial price. George Neirman
and Co. 699 Eusion IRd. London. WOLSELEY brnni-now 11-22hp A-ecater, special price. Gcorge Nowiman
and Co., 569 Euston Rd.. N.W. WOLSELEY, 10hn 19232 -evater de luxe, this car has just oent orer-
 Rd.. Sircatham. Phone 488. . 4 . 697.15 WOLSELEY. Marold Simone for bargains. Sce "Mscellancous Cars. ${ }^{\circ}$ WOLSELEY. T. T. Jilwarls oller $192511-22$ 2-senter, dickey comWOLSELEY, 192311 bp 2-scater, clock, speedometer, startcr, dickey,

WOLSELEY, 192411 hp 2-seater, fully equipped, specdometer, etarter, WOLSELEY, 192411 hp ric luxe 4 -seater, completely equipped, Icather uphalstery, all-woather iquipment. excellent condicion, 125 guincan: exchanges or doler, Langham 4161 . 68 WOLSELEY, 1923 (October). 10.5 hn de luxe 4 -seater, earefally driven.
 WOLSELEY 10 Ohp, 1921 model. de luxo 2 -scater, dickes. starter. light ong. apocial a.-w., fiting balloon tyres on rear. very gice order through326 Euston Rd., N.W. Phone, Museum 5391 . W. T. Dun. 697-15i WOLSELEY de luxo, I92J, 2-seater. dickey, sclf-starter, fuls mplpred,


## SECONDHAND <br> LIGHT CARS AND CYCLECARS FOR SALE (continued).

WOLSELEY, 1922, Why. 4-seater, good condition thrnughout. dynamo ready to drive awas. Lón. Joha C. Bcadio. Led.. Coachbullders, $11 a r t$,
lord.
698.134 WOLSELEY, $\mathbb{C 7 5 : ~ e x r h a n g e s , ~ e f e f e r e d ~ p a y m e n t a : ~} 1921$ Wolseley do


 Vic. excel7ent cond\{tiun. Vivian, 33 Spenser Sh, Victoria St. $997-201$ WOLSELEY, 1925 (latel, $11-22 \mathrm{hp}$, 4 -scatcr, fuly equipped, cilleago WOLSELEY, 1925 , ${ }^{111.22 b p, ~ 2-s c a l e w, ~ m e w ~ c o n d i t i o n, ~ m l l e a g e ~} 3.000$, (Gt. Porland St.. W.1. Langham 998 WOLSELEY 7, 59 sns: 19232 -scater, dickes, dsammo lljheing. new
 WOLSELEY. SJuth Eallog Garago. 1922 10hp colupo. new trres. re chanically in very fine order. $£ 105$ Ealing 2983 . and starline. mo

WOLSELEY-STELLITE, 2-seater with diekey, pericce order, and Just been repainted, 225 . Hessley, 199b King St., Mammersmith. 'Phone,
Jiverside 1639 . WOLSELEY-STELLITE, 8-9hp, 4-cylfader, dpnamo 11 ghting. rery cood Manchezis? .
Manges. Rhind and Co., Quecna Rd., corner Oldham Rd 697.856
 LE ZEBRE, 19238 8n chnmmy A-meater (first regiscercd April. 1924).


## SPARE PARTS FOR LIGHT CARS.

EXPERIMENTERS. Let us quote you for csclccar. light plane parta licati, fsacs. Gin, Gibona, Chadwel MONGAN Mctropolitan Area Service Depot, Elce, Ltd oldest and istributora of mpare parts, all models 1115 Bishcpagate Ave. Camomile SL, E.C. 3 . Pbone. Avenue 5548. ZEBRE. All spares can be obtalned from Knight, 10 Vigo St., $\begin{gathered}\text { 2zz-118 } \\ \text { Reqent } \\ \text { 2zz-5go }\end{gathered}$ LEZEBRE. Complete stack of sl1 2pares Lomest prices. Immedata Tel., Riversidg 1177 . RIGHAfDSON CAR CO., Nillthorpe, dear Sheffeld. Spara parta in $22 \pm-615$ ROBERTS for Bclaizc-Bradshaw sporcs
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[^2]


[^0]:    FACILIT A TE BUSINESS, and ensure prompl altention to your enquirics, by menlioning
    "The Lighl Car and Cyclecar" when writing to advertisers. They will appreciale it.

[^1]:    The proof of the driver is in the presence of danger.

[^2]:    PLEASE REFER TO "HHL LIGur CAR AND CYCLECAR" IN youk letters to advertisers.

