The Ear As A Trouble Detector

The Car That "Sounds Good" Is Usually A Well Conditioned One

WHEN A DOCTOR WANTS to find out the condition of the human

machinery he listens to the heart and lungs and, if there is nothing

abnormal about the operative sounds which they make, he is measurably safe in concluding that they are all right. In the case of the motor car,

it is not necessary to use a stethoscope, for the various car parts are

"broadcasting" sonorous messages, which furnish to anyone who is "listening in" and who can intelligently translate the code, a more

reliable indication of their condition, than can be obtained in any other single way. If nothing out of the ordinary is heard, by a skilled listener,

when a car is running, it may be assumed, with a very fair degree of certainty, that nothing serious is wrong or at, least that nothing has

been out of order for long enough to have caused serious damage. One may go so far as to assert, in a very general way, of course, that nearly

all the things which may go wrong about a car, cause unusual sounds, either at once or very shortly and that anyone who is reasonably

attentive to car noises, will be informed that there is trouble, by these abnormal sounds. Obviously, it is one thing simply to know that

something is out of order and quite another to determine what the trouble is and the correctness with which an operator can diagnose the

derangement, by the ear, will depend upon his ability to translate the code-signals of distress which the car mechanism is trying to put

across or in other words upon his knowledge as to the meening of

abnormal sounds of different kinds, such as light and heavy knocks, grinding, squeaking, rattling, sucking, buzzing and chirping noises.

It is a fact that the operator who keeps his ear (unconsciously at least) tuned to the noise of his car and heeds all warnings which thus come

A. G. B. writes: The cowibe and that after running somewhat longoil-gage of my ---- car will not er, fuel economy and performance

show the slightest pressure, at any engine speed, although the pump apparently is pumping a good stream of oil. The gage, itself, is

to him, is not usually a very large contributor to repair shop profits.

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longest game in the American lea- out of the game by the umpire in gue last year, battling sixteen in- the 14th inning, and the recruit nings before the Browns got the de- Pruett took his place and got credit cision. In this game Shocker, the for the victory.



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R. ARTHEY, R.O.

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Detroit and St. Louis played the star pitcher of the Browns, was put



Toric Lenses Enlarge Your View

back pressure due to the resistance to oil flow from the gage connection to the end of the distribu- the benefit of the doubt and run state, that the pump is working is of course, a question, but further normally and the gage itself is running will give you an idea as O. K. we believe that you will find to whether it is improving.

in working order, as I found when I plugged the pipe from it to the

bearings and ran the engine.

Where do you think the trouble

Answer: The gage records the

OIL GAGA: SHOWS NO

PRESSURE

tion pipe and, if anything occurs, the car as it is for perhaps 500 to reduce this resistance or make miles more, before having anyit practically nil, the gage will in- thing further done. being very dicate little or nothing. For in- careful about your on and not stance, if the delivery pipe should pushing the engine stoo hard. become broken, within the crank- Bearings that are adjusted excescase or detached from the con-tracted nozzles, that furnish the perhaps not only have excessive spray for the main bearings, the friction at certain points, but also oil would sin.ply run out into the are quite leaky at others, often acengine base, under practically no count for a very great increase in back pressure and the gage would fuel consumption. Whether or not indicate nothing. Assuming, as you your engine will come out all right,

the delivery piping disarranged and we suggest that you have it examined at once and existing de-fects remedied.

STIFF ENGINE WASTES FUEL

the bearings of my engine taken

up and new piston rings fitted, my

gasoline consumption has increased from about 15 to 8 m. p. g. The car has been run about 300 miles since this overhauling, but is stiff.

very stiff. My mechanic claims

K. A. V. writes: Since having

Questions of general interest to the motorist will be answered by Mr. Clough in this column, space permitting. If an immediate answer is desired, enclose self-addressed, stamped envelope.

SIX-MAN HOCKEY FOR COAST LEAGUE

Patricks' See Error of Their Ways and Give Up Sevenman Style.

At Vancouver the principal chang-

es in the playing rules at the twelfth annual meeting of the Pacific Coast Hockey Association were the adopdon of six-man hockey by the league and limiting of playing time to sixty minutes in the first game of playoff games. If a tie exists at the end of the second game, two extra twenty minute periods will be play-

Frank A. Patrick, of Vancouver, was re-elected President. Recent agreements made by the P.C.H.A., the National Hockey League and the Western Canada League, were ratified. Other officers follow:

Vice-president, J. F. Douglas, Seattle; secretary, A. J. Smell, Vancouver; directors, Lester Patrick, Victorias; C. P. Mukloon, Seattle; C. P. Lester, Seattle.

The standing of the clubs shall be figured on the points system, two plints for a win and one point each for a draw. Should two teams be tied for second place, the goals in ownparison with goals scored against, shall be the team eligible to play off with the team standing highest in the league.

Kicking the puck is permissable, provided, however, that no goal shall count when the puck is kicked in. The new anti-defence rule, which allows for no more than three men, exclusive of the goal tender, to be on the defensive at the same time, will be given a fair try out. Officially the Vancouver team will be known as the Maroons, instead of

the Millionaires. All games between the Prairie League and the Coast League will be championship games and will count as wins and losses for the competing teams in their respective league standings.

A Questioned Base Hit Separates Cobb From .400 One questioned hit separates Ty

Cobb, manager of the Detroit Tigers, from the charmed circle of .400 hitters for 1922, it was discovered in compilation of the official batting records of the American League. Without that hit Cobb's total is .398, but with it he enters the .400 ranks for the third time in his career as league batting leader, a position he has held for the last fifteen years, with but three exceptions. On May 15th, in a game at New York between Detroit and the Yankees, Cobb was credited in unofficial newspaper box scores with two hits, and by the official scorer with only one safe smash. Investigation of the discrepancy has begun, and the controversy will be laid before President Johnson of the Amer-

"Stuffy" McIunis, of the Cleveland team, wants to take up college coaching after he retires from the big league. Recently it was reported from New Haven that McInnis would be tendered the position as Yale coach. The reappointment of Tommers, however, kills such a ru-

ican League. If the hit is won for Cobb, it will make him the only slugger in baseball history to pass

the .400 mark three times.

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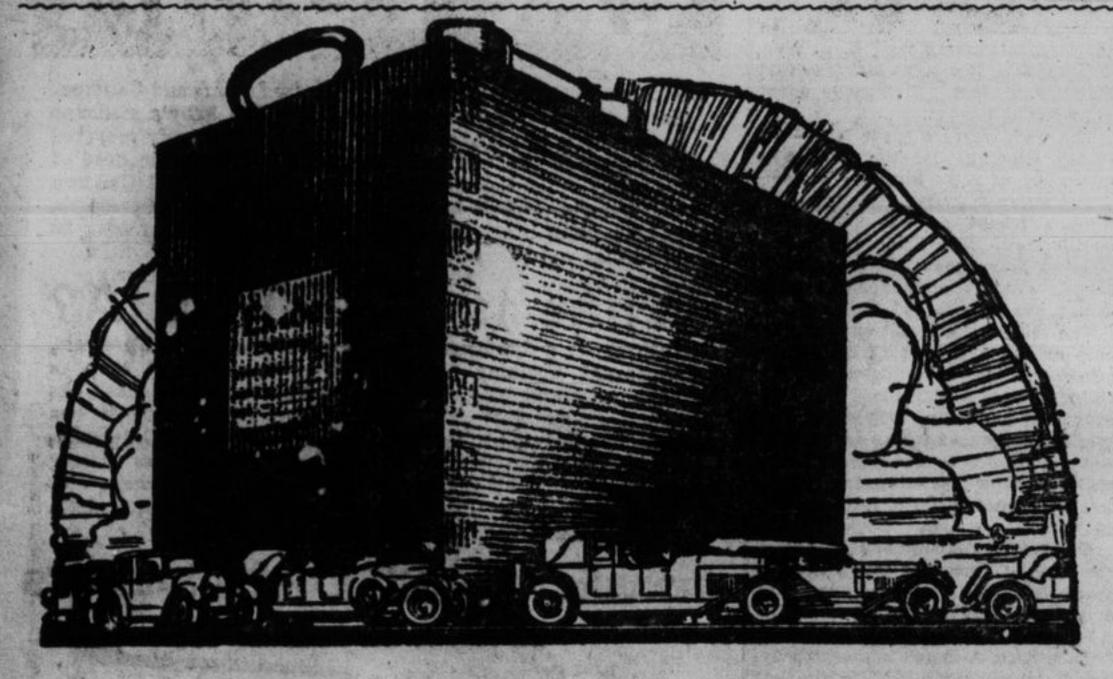
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