GRAHAMS ANNOUNCE NEW COACH SERIES

Six-Cylinder Line Affords Higher Speed and Better Performance

Graham Brothers, a division of Dodge Brothers, Inc., announces the introduction of a new line of six-cylinder motor coaches, Higher speed and generally improved performance are said to result from several new features.

These include a powerful new six-cylinder engine, four-wheel Lockheed hydraulic brakes, four speed transmission and ballbearing cam and lever steering.

Improved riding comfort results from a better distribution of weight as well as adoption of three stage progressive type rear spring construction and advances in seat design.

The new six-cylinder line takes the place of the four-cylinder motor coaches with which Graham Brothers attained a leading position in the industry during the past seven years.

It comprises the 21-passenger street car type motor coach, probably the most popular size now in use, the 16-passenger de-luxe parfor coach and the de-luxe club coach seating 12 passengers.

High road speeds are possible in the new coaches with safety and comfort for passengers and without strain to the mechanism. it is claimed.

These speeds are attainable with relatively moderate engine speeds since the four-speed transmission gives adequate gear reduction for heavy grades, bad roads and emergencies and permits the use of faster rear axle ratios. Such a combination directly results in greater economy.

The high speed and fast acceleration available from the six-cylinder power plant is rendered safe by heavy-duty four-wheel Lockheed hydraulic brakes. These hydraulic brakes have the advantage of automatic equalization which largely eliminates the necessity of making even the simple meeach individual brake and also does away with the use of brake

driver that he can stop as quickly as or more quickly than the vehicle ahead and thus high scheduled speeds can be maintained with safety. The large and positive mechanical brake on the drive shaft operated with a hand lever is entirely separate from the ser-

vice brake system. As bod es and chassis are built entirely in Graham Brothers own plants the complete coaches have been designed and built as units.

This makes possible important engineering advantages, particularly correct weight distribution and elimination of excess weight. it is claimed.

A larger proportion of the weight is carried over the front axle than is usual, resulting in a relatively short wheelbase, and the body location on the chassis is such that rear overhang is reduced to a minimum. The 162' wheelbase allows easy handling even in densest city traffic.

The engine, of the L-head type. with a bore of 3 1-4" and a stroke of 4 1-2" is clean cut and accessible in design. The crankshaft is exceptionally rugged, weighing 69 pounds, and has seven main bearings with a total main bearing length of 11 inches and bearig areas far greater than on other engines of comparable size. Freedom from torsional vibration, due to its rigidity, results in smooth running at all speeds.

A large hot-spot manifold and unique combustion chamber design result in fast acceleration and at the same time provide for a very economical use of fuel. Automatic spark advance is prov'ded for better engine efficiency, relieving the driver of the necessity for manual adjustment.

All the new motor coaches are equipped with generators of 225 watt capacity with voltage regulator and 215 ampere-hour storage batteries to provide sufficient current for the extensive lighting sys-

Rear springs are of the threestage progressive type, resulting in easy riding whether the coach a loaded to capacity or only parfally filled. Riding comfort is further enhanced by the use of deep cushioned seats covered with genuine leather.

The 12-passenger-club coach has seats of the individual chair type, with overstuffed air cushious and deep springs, set at an angle to the body sides. The 16passenger parlor coach provides four double seats along the left side of the body and four single seats to the right of the aisle while a section of four individual seats extends across the width of the coach at the rear, one of the latter being quickly removable to provide passage through the em-

Prices are \$4945 for the 12-pas-aenger club coach, \$4960 for the 21-passes atrest car trace coach, with complete factory eq-

Who Is Out of Place in This Picture?



The old question, "Why does a hen cross the street?" might be discarded in favor of, "Wh; do pedestrians insist on risking their lives in traffic when the lights are against them?" Pictured above are two girls who are between two fires. Their nerves are on edge and the motorists also are somewhat upset, as they apply the brakes hastily and wonder if the young women are going to proceed or retreat.

Morley Drury One of Few ball and he is expected to make Veterans Returning from Champion 1926 Team

LOS ANGELES-With the opening of the 1927 football season, followers of the great American inercollegiate sport have turned to 'doping" out the prospects of the his Star convertible cabriolet, one various teams that will represent the Pacific coast conference col-

The greatest enigma is the University of Southern California, For two years Coach Howard Jones has had a football machine at the Los Angeles university that has ranked chanical adjustment provided for with the best in the country. Last year the Trojans missed the national championship by two points rods and other moving parts re- and the team was one of the most | made a touchdown after carrying quir'ng attention and frequent lu- spectacular in the United States. the ball more than half the dis-

leaving but a small group of veterans with which Howard Jones quarterback. Elliot shared honmust develop a team to meet the ors with the great All-American toughest schedule that the Tro- Morton Baer, last fall. This year uters from all over the country.

Morley Drury, captain of the Trojans this season, is Jones' brightest star. Capt. Drury was the Notre Dame game. This is les on the Pacific coast. Drury's last year of college footup for the time he lost last fall.

During the summer Drury worked for a local motion pickept him in excellent physical condition. During the vacation he kept in touch with the team members, making trips about Los Anseles and to the outside cities in of the outstanding models of the Star line and a car that is very University of Southern California Trojan athletes.

In addition to Drury, Coach Jones has Don Williams, the voungster who, as a sophomore, smished his way through But this year Coach Jones has to tance of the field in a series of of Massacrusetts, who is also head build an entirely new organization. plunges that established him as of the Packard Motor Car Co. of

Elliot is expected to come into his own as the brilliant star of the Trojan back field.

Jess Hibbs is the only star out practically all last season al- Jones has left over from his 1926 hough he got back into shape line. Hibbs played tackle last year just in time to play a part of and he was one of the best tack-

This quartette, three backs and line man, would gladden the heart of any football coach in the country; but the rest of the squad will have to be developed ture studio, doing hard work that and Jones has a lot of gaps to ath, Gorrell, Taylor, Laranetta, Badgero. Dorsey, Baer and others of engal ability leave college in | far more rapid on this side of the

hody through graduation, there Atlantic, is a tough job ahead of the coach. Howard Jones is a great foot-

BOSTON-Gov. Alvan T. Fuller dence at Little Boars, N. H. The nence of leading Packard distrib-

POLAND CLUB CUP **WON BY CHRYSLER**

Trophy For Which Many Have Tried and Failed, Finally Captured

the collection of trophies which have been won in Europe by Chrysler cars, one of the unusual appropriateness has recently been added in Poland, according to advices just received by the Fitzgerald-Sherwin Motor Co.

The trophy, which is a fine example of artistic modeling represents a bison, the animal familiar to Americans as the buffalo, which within the memory of many still living roamed the western plain: of this continent in herds number-

For 15 years, the Automobile Club of Poland has offered this trophy to any team of three cars which could finish its six-day reliability run without incurring penalties or "black marks," but until this year none of the compet ing automobiles have been able to ditions. It remained for three intimately associated with

American makes. by the offer of a statuette which seemed so incongrous with European matters. Students of natural history explain, however, that the bison, now associated exclusively with America, was one as common in Europe as until half a century ago it was in our own west. The fate of the species was though extinction by advancing civilization was much later and

Caesar mentions the bison as ball ceach and he will undoubted- in the forests of Germany and v have a good team at U. S. C. Belgium. Even as late as the midthis season; but the best the Tro- dle ages it was still a familiar ian rooters can hope for is a place sight farther east in Europe and half way down the Pacific coast it is still found in a wild state in onference championship ladder the Caucasus although its appearunless Jones can develop a string ance is very rare. A few he ds of green youngsters out of the are also kept in captivity in Lithugroup of candidates who came up ania and other northern countries. ily dwindling.

> The Automobile Club of Poland used the bison as a symbol of strength and endurance, which are

the qualities associated with the have worried over the fact that to enjoy the advantages of amazanimal where it is known in Eu- with ordinary fuel carbon has ing performance combined with rope. The donors of the trophy been a pest. Carbon can, of amazing economy, either we must considered that the same qualities course, cause valve trouble, but use and altered fuel or an altered were indispensable to any car its chief objection has been that it engine. A majority of engines and which could hope to win their took up room in the cylinders, and manufacturers favor the former prize under the difficult condi- thus raised compression to a point for the reason that increasing entions they imposed. The trails last too high for ordinary gas. over a period of six days, and a distance of 2400 kilometresabout 1500 miles -is covered over was made useful. It made en- Another important consideration all possible kinds of roads and gines a little more modern and is the fact that doped fuels we country. Speed and hill climbing suddenly turned the public eye to now nationally marked and will

offered, 15 years ago a team of of fears. three stock Chrysler touring cars completing the entire six-day test without incurring any penalties. In addition, the three Chryslers won doped faile is the same party who a prize offered by the Polish Min- claimed to have seen one of the center, as a middle point around istry of Public Works for cars fin- early four-wheel brake cars turn which traffic revolves. ishing in the best mechanical condition, while a fourth Chrysler, inrluded in a team of six cars entered by the army of Poland, took prize offered by the army to any car driven by an army officer and finishing without and bad points.

day program,

DOPED FUELS CASE ARGUED BOTH WAYS

motorist's chief annovance since Because some engines are over-

With the introduction of doped ter of using a cylinder head with fuels, this carbon accumulation a smaller combustion chamber, contests are included in the six- a revolution in engine design and shortly be available everywhere fuel refining. Right on the heels The buffalo trophy was won this of this development were a millyear for the first time since it was ion rumors and a wide assortment

The man who told me that two motorists died following the filling of their gasoline tank with turtle. Many would have us believe that we are all due for slow death by insidious poisoning. Thousands of mechanics tell of with the whole system of land engines that have been ruined by transportation." - J. Walter doped fuels.

Here is the situation: If we are Commerce,

gine compression is largely a mat-

Genoa, Maly, is adopting the rotary system of traffic because of its increased number of motor vehicles. The statue of Garibaldi has been moved from the side of one of its public squares to the

"Both motor buses and motor trucks are indispensably linked Drake, Assistant Secretary of

(Continued from Page One)

comply with the difficult condi- automobiles were an experiment. Chrysler "70's" to lift the prize size and because many owners American backgrounds, in a com- this knocking has not been so petition which included teams of troublesome to everyone. Owners 11 well known European and of more efficient engines, with smaller combustion chambers and Curiosity has often been aroused higher compression, however,

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