

ROLLER BEARINGS ADD TO COMFORT

Automobile Manufacturers
Show Way to Pullman
Company and Others

HARRISON, N. J.—The increase in passenger comfort resulting from the use of roller bearings in passenger coaches has prompted more than 50 of the country's principal steam, electric, and gasoline-electric lines to install Hyatt roller bearings, which have been favorably known to the automobile-owning public for many years. One coach so equipped has traveled more than 325,000 miles without replacements or marked wear.

Railways, like automobile manufacturers, have devoted much study to the problem of smoothing out the road for their passengers. The modern Pullman car, the all-steel coach, and the heavily-ballasted roadbed of today, all illustrate the railways' interest in passenger welfare. When after years of work on the subject, Hyatt announced in 1923 that it had perfected a railway roller bearing, several roads ordered installations and began watching the performance of the innovation closely.

Since that time, railway installations of Hyatts have run into the hundreds, and a considerable number are scheduled for the present season. One road has more than 100 Hyatt-equipped coaches in service today, and will have 150 before the end of the present summer, so satisfactorily is the anti-friction axle working out in everyday practice.

The railway installation developed by Hyatt provides a certain flexibility, as well as freedom from friction, owing to the unique design of Hyatt's helical rollers. Unlike a solid steel roller, the hardened steel coils of Hyatts possess more or less "give," which tends to absorb some of the shocks of the road. This resiliency accounts for part of the comfort resulting from use of Hyatts, and the lessened effort required to start Hyatt-equipped coaches accounts for the rest of it.

When the power is applied to a Hyatt-equipped train, there is no abrupt jerk as with the ordinary train, but an almost imperceptible gliding into motion, like a ship getting under way. This fact means much to passengers, particularly in the diners or on sleeping cars, where joints and jars are most annoying.

The Hyatt Roller Bearing Company, a division of General Motors, has long been famous for its automobile, industrial, and implement bearings. The railway roller bearings which it is now manufacturing represent years of experience in elimination of friction. They consist of a hardened steel inner race, to be shrunk upon the axle end, the bearing assembly proper, with outer race and oil ring, and a simple means of assuring lubrication and regulating end-thrust. One important feature is their interchangeability with standard railway journal boxes, without any change in the present truck.

Public Service of Power Company Aided With "62"

Public service has come in recent years to be more and more a paramount objective of American public utility concerns, and in the forefront of this modern movement a place of prominence is held by the Dayton Power and Light Company, of Dayton, Ohio.

An Oaken Plow



Forty-four years ago, M. J. Leffingwell, a farmer living near Exira, Ia., left his plow leaning against a white oak sapling, then forgot about it. The forked sapling spread two ways, growing around the plow. The fork later was cut off, leaving the straight trunk with the plow directly through the middle of it as shown above. Only part of the plowshare protrudes now from one side of the trunk—the iron braces from the other.

This progressive company has just purchased for its emergency service department one of the new Chrysler "62" cars, announced among the three models introduced by the Chrysler corporation within the last few weeks.

The Dayton Power and Light company uses three automobiles in its emergency service operations. A fire alarm tapper is installed in the service division's headquarters and three shifts of drivers are engaged, so that cars are ready at all hours of the day and night to respond to every fire and police alarm as promptly as the city's public safety departments.

The municipal authorities of Dayton have adopted an ordinance authorizing the use of fire whistles on these cars and granting right of way on the streets. Special bodies have been designed and built for the service cars enabling them to render effective aid on their arrival at the scene of a fire or a disturbance of the peace.

WOOD'S POPULARITY JUSTIFIED, SHOWN

Reasons Given Why 80 Per Cent of Home Construction of This Type

By Jane Stewart
Wood has a just claim to pre-eminence as the structural material for homes. Not undeserved is its popularity through the ages and its first place among American home owners of today.

If as many as eighty per cent of the homes of a nation—and especially one rich in raw materials and natural resources—are built of a single type of material, its advantages must be very definite. This is indeed the case. Eighty per cent of American homes are built of wood.

Probably the single greatest factor in establishing the popularity of wood has been its strength. It is stronger in proportion to its weight than any other building material. And it's equally durable. A house of good lumber, kept in proper condition, will last several generations—there are, in fact, hundreds of illustrations of this fact in the eastern section of our country, old frame houses which are still in good condition after two hundred years of use.

While there may be other materials of even greater durability there is no comparison in the difficulty and hence the cost of building. Wood is relatively easy to move and erect. It is therefore relatively inexpensive. Strong, durable, plentiful, economical—these qualities would seem to establish it as the chosen material for a pioneer nation.

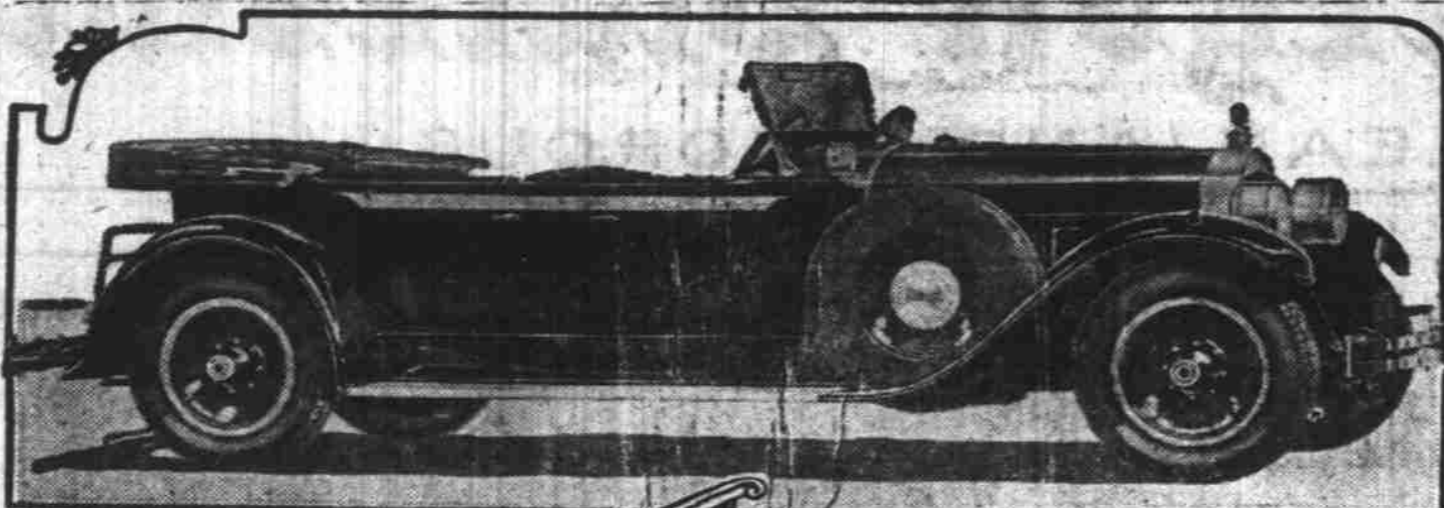
But in recent years when wealth has been abundant and practical considerations no longer come first of necessity, the claim of wood to popularity is no less undisputed. For its artistic merit equals its practical assets.

Aside from its intrinsic beauty wood has a certain innate charm. It possesses an indefinable quality which makes it seem less formal and less harsh than a material such as stone. It creates an atmosphere that is somehow more welcome, more homelike.

Then, too, it is the most workable material by far, being easily adaptable to designs of the most varied type. Narrow and wide clapboards, rough and smoothly finished surfaces, shingles, beams, carvings—the possible variation is endless.

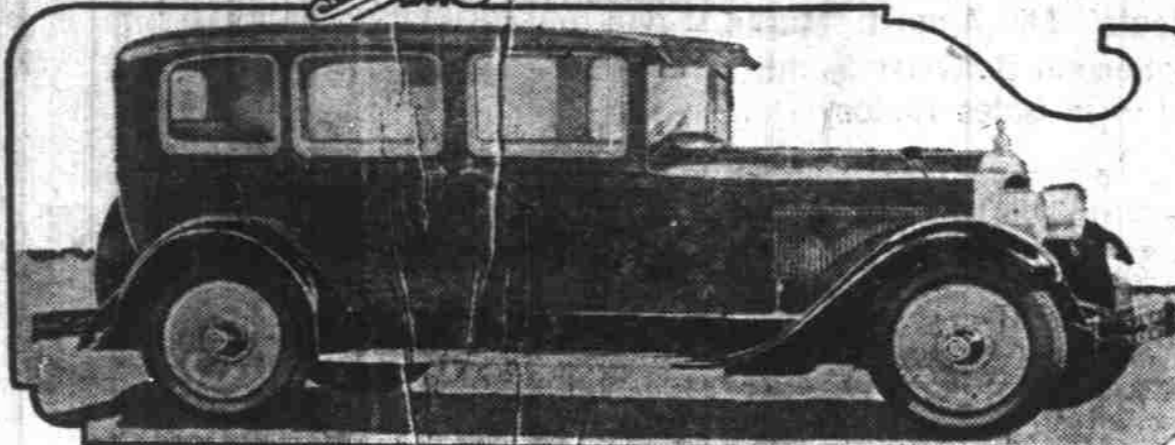
And wood itself (many kinds are available) offers still further opportunity, to say nothing of the infinite possibilities in finish and color schemes. Here, truly, is a weighty factor—love of color. The home is one of the best mediums for its expression. The house of wood, best of all, lends itself to varied treatment, interesting and

SOME NEW PACKARD MODELS

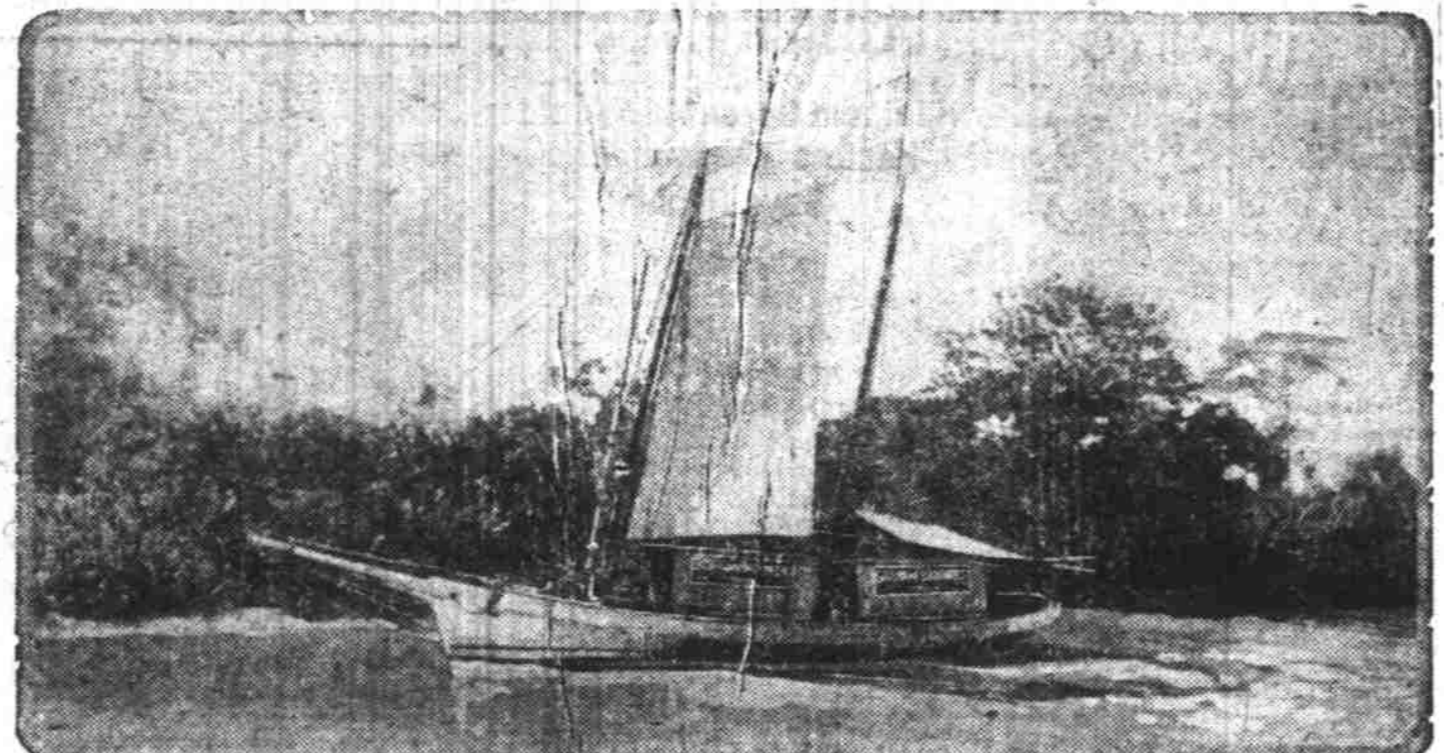


Above—The Packard Eight Five Passenger Phaeton.

Right—The Packard Six Five Passenger Sedan.



Graham Trucks for the Jungle



Pioneering and the romantic struggle of man's enterprise against the natural obstacles that have existed since history began are to be found in this picture taken on the Rio Catatumbo in the jungle heart of Venezuela. Likewise it shows a strange contrast of transportation methods—Graham Brothers trucks, the most modern economical means for carrying things that man has devised, being freighted in crates on a river boat that could have existed before the time of Columbus. These Graham Brothers trucks are some of the thousand or more exported to foreign lands each month. Bound for a recently opened jungle district south of Encontrales, they must travel a distance of 150 miles as shown.

For the last 40 miles of travel the boat is poled by several men against a stiff current. The fact that Graham Brothers trucks are to be found almost everywhere that civilization is pushing forward its frontiers is added proof of the reputation for dependability, power and strength that have made and held for more than six years in domestic service.

America can be enlightened by a better understanding of European transport conditions, in the view of Windsor T. White, chairman of the motor truck committee of the chamber who reported to the directors on his visit to Scandinavian countries while he was delegate to the international chamber of commerce meeting in Stockholm.

310,175 Motor Cars Built In August, Report Shows

Production of 310,175 motor cars and motor trucks in August by member companies of the National automobile chamber of commerce, as estimated on the basis of records of shipments, was reported to the directors' meeting of that body in New York today. The total is an increase of 14% over July and 8% above August last year.

The eight months' total for these companies is 11% ahead of the corresponding period last year.

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a future Mecca for tourists. William B. Metzger who returned from Europe on the Ile de France this week, made a special report on Free State conditions to the directors' meeting of the National Automobile Chamber of Commerce, held in New York, yesterday (Sept. 8). Mr. Metzger is a director of the chamber and chairman of its insurance and traffic committees.

"Motor transportation in Ireland is going forward at a more rapid rate than any other country which I visited," says Mr. Metzger in his report.

"In all parts of the country roads are being constructed or repaired.

"The Free State government evidently looks upon the Irish highway systems as a primary form of improvement for prosperity, and these measures may be looked upon to bring large trade for this island country."

ROADSIDE MARKETS DO HUGE BUSINESS

(Continued from page 1.)

motorist and the farmer alike, since it hampered the development of contacts which could not fail to result in very substantial advantages to both. The motorist is today one of the farmer's best cash customers. For one thing, serving the motorist at the roadside is the only way he has ever found of eliminating the middleman of whom he has so bitterly complained.

"This is not all by any means. There is good reason to believe that the farmers would greatly increase the potential market for their land if they renounced petty antagonisms and maintained their farms on exhibition, as it were. Here is where they could well afford to take a leaf from the realtor's book of sale psychology.

"Dr. A. W. Gilbert, the Massachusetts commissioner of agriculture, has done exactly this. He went out and persuaded the farmers with show places to permit him to print a pamphlet giving the names and locations of model farms and inviting the motorists to call. The beginning made by Dr. Gilbert is capable of enormous expansion.

"It would soon destroy the lingering belief of the farmer that many city motorists are vandals; it would accelerate the growth of good feeling and understanding between the different elements of the population, which should be one of the most valuable by-products of improved transportation.

"What it can do in the realm of work-a-day things is amply proven by the great increase in roadside marketings. This form of trading is just in its infancy. The extent to which it will grow depends largely on mutual trust, understanding and fair dealing."

According to reports, the summer resort hotel keepers are complaining of poor business this summer. But we know a lot of folks who don't worry a great deal over this.

CHICAGO—Al Kvale, son of a Minnesota congressman, who started out to become a lawyer, has opened an engagement at a Chicago theatre, leading his own jazz band.

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