

## NEW YORK CITY HAS 580 KINDS OF AUTOS

Police Confront Problem of Recognizing Cars.

### BERTILLON SYSTEM USED

Cars Dissected Part by Part for Means of Identification. Years' Experience Noted.

NEW YORK, May 29.—There are 580 different makes of automobiles in New York city, according to Sergeant John Brennan of the New York city police department.

How many of these cars can you recognize. This is the problem that confronts the police of New York when an alarm is sent out for a stolen car or a car containing men who are trying to escape after having broken a law.



The truck, one of the Goodyear company's famous Akron-to-Boston freighters, which has crossed the continent two or three times to boot, went south with the Ad club caravan.

Of significance to Portland was the fact that the load of rubber on this truck was part of a cargo shipped to San Francisco. The cargo of rubber was shipped south from Portland by truck through the efforts of George Bellis, district manager for the Goodyear Tire & Rubber company. It will be a big feather in Portland's cap, indeed, if future rubber shipments for the new Los Angeles factory, which will be in operation in July, are made through Portland, and Mr. Bellis is working to have that done. The truck in the picture is equipped fore and aft with Goodyear pneumatic tires. This truck, in fact, was one of the pioneer motor freight carriers in the Akron-Boston run, which demonstrated the superiority of pneumatic over solid tire equipment.

recognize. This is the problem that confronts the police of New York when an alarm is sent out for a stolen car or a car containing men who are trying to escape after having broken a law.

Can the police name every car? No. But they have a Bertillon system of identifying cars which enables them to classify a car so that the man "on beat" knows what to look for. Cars are dissected part by part, as are the human features under the Bertillon system, and on each make there is found one or two separate items that distinguish one make from another.

This system is the creation of Sergeant Brennan, who has built it from his years of experience as first sergeant of the bicycle squad and later the motorcycle squad.

The system is taught by a series of lectures illustrated by charts on each of which there is shown a particular feature of an automobile. For instance, there is a chart devoted to various shaped radiators, another shows types of fenders and still a third shows where the various makes of cars place their tail lights.

When first started this course was given to the members of the traffic squad only and special attention was paid to the outside men located at the ferries and other points of egress from the city.

Then, as the automobile industry grew, there came the rapid increase of the use of the car by the general public and other crooks, so the lectures were made a part of the police training school curriculum and now are given to all rookies.

This Bertillon system applied to cars gives the beginner a basis to work on. For even if a man is naturally observant he must be trained to look for what he wants. There were about 200 future policemen in the lecture room, and after the first of them admitted he could tell a Ford, the Cadillac and Packard, and also were among the large number of the rookies claimed they could recognize.

How to Identify 'em. Towards the end of the lecture Sergeant Brennan held up one of his charts on which were pictured the various back windows that appear in the tops of tops of cars, and he asked: "Which car has this type of window?" There were several answers, but one said Ford, and Ford was the answer.

Each make of car has an individual front, rear and profile which are built up from the component parts shown on the charts. The system as taught makes it possible for a man who doesn't know the name of a car to pick out salient points that will identify one car from another.

Some of the points that the charts emphasize are: View of the front—Familiarity of the radiator, also type of radiator cap; shape of windshield; position of numbers plate; position and shape of ventilators; appearance of bumper; make of shock absorber; mudguards, whether crown, oval or flat and with or without mudflaps.

Side—Ventilators; head and side lights; mudguards; type of steps and running gear; passenger capacity; hubcaps; spare tire carried; tool box, etc.

Rear—Exact position of tail light, type of springs, shock absorbers, gasoline tank, luggage carrier or spare tire carrier and kind of window in back of top or back of seat.

With the lecture work for a background the rookies are expected to build up their knowledge so they can easily recognize cars, and they do.

Knowing these points is a great aid to the policeman. Take a man stationed at Fifth avenue and Forty-second street who has just received an alarm for a Stutz raceabout, with the right mudguard slightly bent and a radiator cap that differs from the usual Stutz type. He doesn't bother to look closely at any car but a Stutz. The first Stutz he sees is a touring car; no need to bother any further. Here comes a "bear cat." Its radiator is the regulation one. Later comes a raceabout with a radiator cap foreign to the Stutz. The right mudguard is bent. It's the one he will stop and ask questions about.

Sergeant Brennan emphasizes the rear view in his lectures to the rookies. It is the most important. He estimates that about 90 per cent of the

## SAFETY CIRCULARS ISSUED IN ST. LOUIS

Police Carry Safety Campaign to Public.

### 50,000 APPEALS MADE

School Children, Pedestrians and Motorists Requested to Aid in Preventing Accidents.

Because the death toll of motor accidents in St. Louis last year mounted to 100 and this year has already reached ten, the St. Louis police department carried its safety first campaign directly to school children, pe-

diatians, and motorists by issuing 50,000 circular letters containing these suggestions:

**For Pedestrians.**

1. Look both ways before crossing a street.
2. Cross the street at regular crossings, not diagonally or in the middle of the block.
3. Don't read a paper when crossing a street.
4. Always obey the traffic officer's signals and commands.
5. Keep your eyes open for trolleys, autos and wagons.
6. When passing behind a street car look out for vehicles approaching from the opposite direction.
7. Do not jump on or off a moving street car; wait until the car stops.
8. When carrying an umbrella, do not permit it to obstruct your view, under your arm in a crowd or when using stairways.
9. Always keep to the right; don't cut corners.

**For Children.**

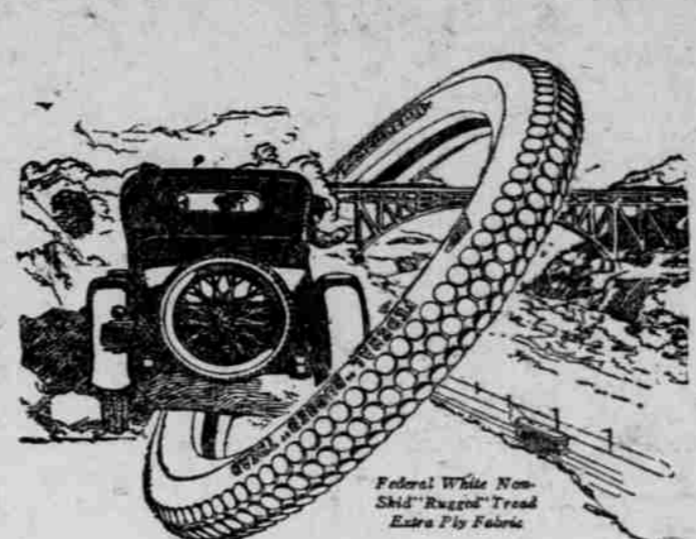
1. Do not play in the roadway.
2. Play on the sidewalk or on the nearest playground or vacant lot.
3. Don't skate on sidewalk or on roadway.
4. Never chase a ball across the street.
5. Don't hitch on autos, trolleys or wagons.
6. Do not coast where trolleys or autos go.
7. Don't play around autos or trolleys of any of the levers.
8. Never touch wires at any time or place.
9. Do not fear the policeman; they will help and protect you.
10. Never run behind a standing trolley car; there may be another car or auto approaching on the other side.

**For Motorists.**

1. Go slow, passing children or vehicles, around corners—approaching crossings.
2. Stop at railroad crossings—behind street cars taking on or discharging passengers.
3. Give warning signal of your approach and keep to the right.
4. Give warning signal when stopping or turning.
5. Use tire chains on wet or slippery pavements.
6. Remove headlight glare.
7. Be sure your brakes are in good working order; inspect them frequently.
8. Never leave a motor vehicle unattended without shutting off the power and applying emergency brake.

# FEDERAL

## Double Cable Base Tires



THOUSANDS of motorists today know Federal to be the one tire which has no rim troubles—for car owners are more and more watching for factors that can cut down motorizing expense.

No other tire has the Double-Cable-Base. Let these four cables of tense steel save your tire money that otherwise is wasted in useless rim-wear.

The Federal Rubber Company of Illinois  
Factories, Cudahy, Wisconsin

DEALERS—Write for exclusive proposition if we are not represented in your town.

**WEAVER TIRE COMPANY**  
Oregon Vulcanizing Co.  
333-335 BURNSIDE AT BROADWAY  
Telephone Broadway 379

## CAR RUNS OFF HIGHWAY

VANCOUVER, B. C., MEN GO OFF WOLF CREEK GRADE.

Auto Is Wrecked in 125-Foot Drop and Non-Stop Run From Canada to Mexico Spoiled.

GRANTS PASS, Or., May 29.—(Special.)—Four men escaped death by the merest luck and their car, a Franklin, was wrecked when they drove off the grade at one of the sharp turns on the Wolf creek section of the Pacific highway early Tuesday morning.

The car went over a bank 100 to 125 feet high and turned over three times as it rolled down the hillside. The top saved its four occupants from death, though one of them, C. B. Rolston of Vancouver, B. C., was severely hurt and is thought to have sustained slight internal injuries. He declined hospital aid.

The car was on a non-stop run from Vancouver, B. C., to Tijuana, Mexico, and return. It was manned by C. B. Rolston, W. A. McLean, A. R. Kelly and Carl Bingham, all of Vancouver, B. C., the two latter being official observers for the run. Mr. Kelly, who is widely known as "King" Kelly, is a member of the Vancouver Rotary club and was representing that organization as observer.

Mr. McLean was at the wheel when the car went off the grade. The men had been driving all night, the road was wet and slippery and the driver is advanced that possibly the driver might have dozed for an instant, just long enough for the car to leave the grade on one of the sharp grades of the Wolf creek section. A little further on and it would have been over Boston mountain or Smith hill and over the worst part of the trip south it was not making excessive speed.

## AUTO FIRM SOON TO MOVE

MCCRACKEN MOTOR COMPANY TO HAVE NEW BUILDING.

Distributor for Premier Car and Moreland and Commerce Trucks to Get Better Quarters.

The McCracken Motor company, distributor for Premier and Pan-American cars and Moreland and Commerce trucks, will remove from its present quarters at 490 Burnside street shortly to a new building under construction for the firm at Fourteenth and Morrison streets.

The new building should be ready about June 1, though there have been several delays. It is two stories, on a 50x100 lot, and of handsome brick and concrete construction.

The first floor will be given over to salesroom and offices. Service and shop department will occupy the entire second floor.

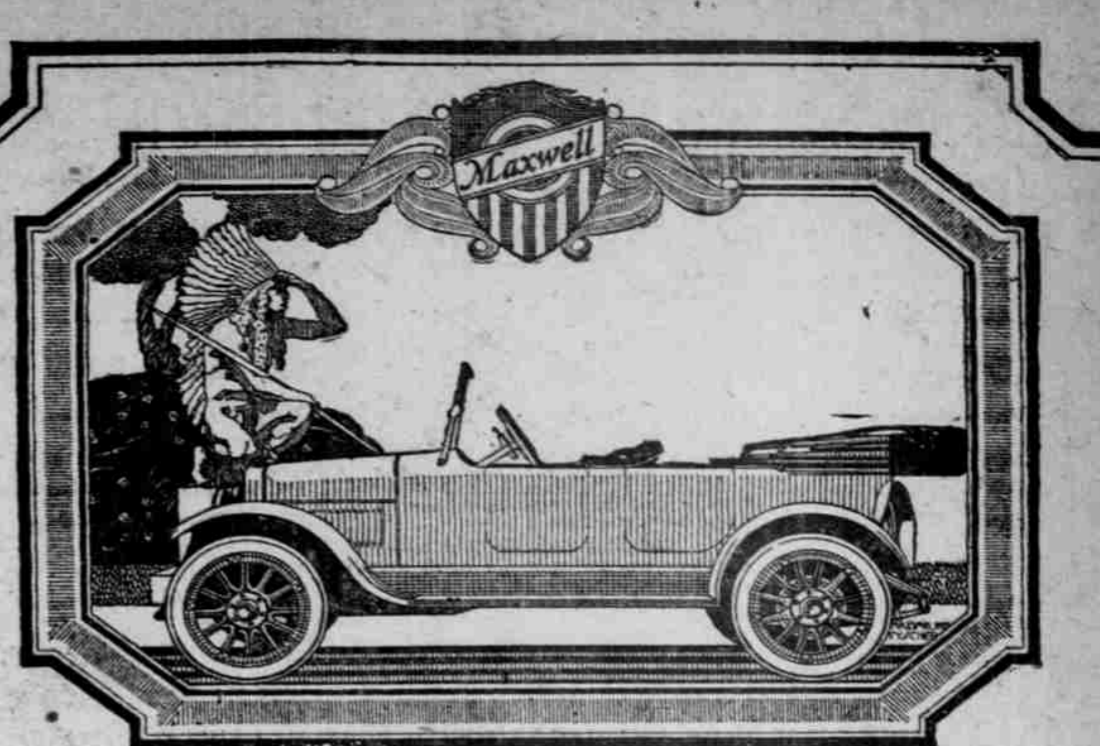
The McCracken Motor company has been in business in Portland for the past five years and has enjoyed a steady growth during that time. Its first quarters were at 445 Stark street. Later it removed to its present place at 490 Burnside, J. R. McCracken is president and Peter McCracken manager of the company.

## SERVICE INCREASES STOCK

Motor Truck Company Plans Big Expansion Programme.

At a special meeting of the stockholders of the Service Motor Truck company held recently at Washburn, Ind., the capital stock was raised from \$2,000,000 to \$3,000,000, by the authorization of an additional issue of \$1,000,000 of preferred stock.

The rapid expansion of the busi-



## Special Steels Eliminate Useless Weight in a MAXWELL

The reason the Maxwell engine is so responsive and yet thrifty, the reason the tires roll into big mileage is due largely to one fact: A Maxwell is burdened with no useless weight.

Special steels make this so. They are made to Maxwell's own formulae. No other steels in any car are just like them.

These special steels are of great strength and make possible the ideal Maxwell construction of brute strength with light weight.

Obviously, they are high priced metals. They equal pound for pound, the steels in any car built.

The wisdom of their use in the Maxwell becomes evident when one observes the rapid growth in public favor of this remarkable car.

Consider that nearly 400,000 of them are now in use; that 100,000 more will be added to this total in 1920.

## C. L. Boss Automobile Co.

615-617 Washington Street, Portland

## We guarantee all battery repairs

Every battery repair we make is guaranteed for six months. We are able to do this because in repairing any make of battery we are licensed to use the patented features which have made Vesta batteries famous. Another reason is that our service station is equipped with every appliance necessary to test and repair all makes of batteries. Expert workmen are in charge of our service.

It is our policy to make your battery deliver every ounce of service possible. Our reputation for square dealing is your guarantee of satisfaction. We don't want your business unless you are convinced that the work is done right and at a reasonable price.

## Gibson Electric Garage and Storage Battery Co.



ALDER AT TWELFTH

# VESTA

COSTS LESS PER MONTH OF SERVICE

# Republic Trucks

Everywhere you go you see Republic Trucks doing the big hauling jobs.

Because Republic Trucks are noted for their ability to do harder work, for a longer time, at a lower cost.

## Roberts Motor Car Co.

Vancouver, Wash. Portland, Or. Boise, Idaho  
Largest Exclusive Truck Dealers in the Northwest