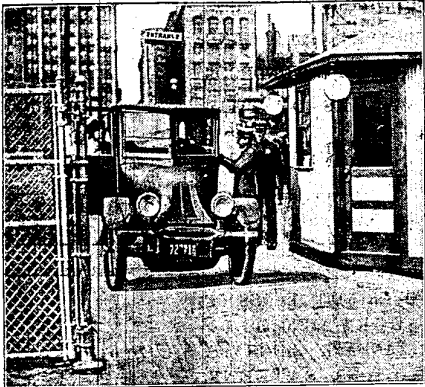


AUTOMOTIVE SECTION

CHICAGO OPENS NEW MUNICIPAL PARKING SPACE FOR MOTORISTS



Automobile Entering New Parking Grounds at Chicago.

Chicago has a new municipal parking ground for motorists who have business in the loop district, where they can leave their car between the hours of 7 in the morning and 12 at night for the small charge of 25 cents. The park has two gates, one to enter and the other to leave and a uniformed policeman is on guard at each place. Upon entering the grounds the driver, who is the only one allowed to drive in with the machine, is presented with a card bearing the number of his license and which he has to present to the gatekeeper in order to get his car. All motorists seem to be pleased with this new arrangement, as their car will be much safer with the new regulation in effect.

Simple Remedy for Drowsiness.
Drowsiness in church is often caused by poor ventilation. Try to choose a seat where fresh air is assured. To keep awake in church when inclined to be drowsy, lift one foot a little away from the floor and keep it there. It is impossible to go to sleep with the foot raised in the air. This simple remedy is very effective.

Beautiful Indian Summer.
The term Indian summer is frequently applied in a poetic sense to the declining years of a man's life. However misleading from a scientific viewpoint, it has become a part of the English language. Let us endeavor to retain it—Indian summer is such a pleasant season, when it does occur! —New York Post.

Pine Tree Flag Used in Revolution.
A flag consisting of a white field with a pine tree in the center and the motto, "Appeal to Heaven," was flown by the first war vessels commissioned by General Washington at the beginning of the Revolution. It was called the pine tree flag and originated with the Massachusetts colony.

Ocean Floor Comparatively Flat.
Nowhere on dry land are there such vast flat plains as occur in the bottom of the oceans. The success of the submarine telegraphic cables is due in part to the flatness of the ocean bottom. Steep slopes are rare, and it is in such places that breaks in the cable usually occur.

Battery Prices Lower Quality Goes Up

The great year of progress in storage battery developments has just closed. Motorists and car manufacturers now have batteries available that embody some fundamental improvements in construction and these changes were made possible by the renewed experimental work and lowered cost of materials which have followed the return to normalcy.

Mr. Mark B. Owen, local representative of the Willard Battery Co., has recently announced their new All-Rubber Battery. This is a battery using the Willard Company's patented Threaded Rubber Insulation, and their Monobloc (one-piece) Hard Rubber Container. The combination makes a battery that is rubber inside and rubber outside, and is practically indestructible.

Mr. Owen also says that this company has standardized on the use of rubber gaskets for sealing the post and the cover of the cells, so that the batteries are now absolutely leak-proof at this point. This type of construction greatly simplifies manufacturing and affords a very satisfactory method of making a leak-proof joint between post and cover. At the same time it facilitates dismantling and reassembling of the battery in the least time and with the least difficulty.

The third advance has been made in the use of their bone-dry batteries which are made and shipped without electrolyte and preliminary charging. There has been more than one hundred per cent increase in the use of these batteries by service stations and sixty per cent increase on the part of car manufacturers. This again works to the benefit of the new car buyer as well as the purchaser of a replacement battery who now finds it possible to buy a brand new battery—one which has not been wearing itself out before they came into possession of it.

TRICK YOU MAY NOT KNOW

Simple Little Trick to Make the Hub Cap Do Its Own Loosening When It Sticks.

In case the ordinary method of placing a wrench on a sticking hub cap and then tapping the wrench with a hammer, fails, try this: Place a small box or horse of very nearly the height of the hub from the floor, along side the wheel, so that when the latter is turned the end of the wrench will strike the box, the force of the blow loosening the cap.

AUTOMOBILE GOSSIP

The automobile show era is 22 years old.

Canada has 42 automobile accessory manufacturing plants.

London has 2,000 motor sightseeing busses and 5,000 passenger busses.

A 120-horsepower passenger automobile, made in Germany, costs \$30,000 marks.

In Detroit, Mich., there are several plants manufacturing engines for motor vehicles.

Silent chains that are now so much used for camshaft and electrical unit drive should be treated exactly as if they were sets of bearings.

Because of the advent of the automobiles, light motor trucks and tractors, there were 77,335 fewer horses on farms in Ohio last year than in 1919.

When the car owner is confronted with the condition of excessive oil consumption and no reasonable explanation is forthcoming, it is well to suspect the rear crankshaft bearing.

Robin Uses Lace Nest.
When our women folks went to take in the wash they were surprised to find that some choice lace that had been placed on the line was missing. Later they observed a robin sitting on the line with his gaze directed to a garment to which he soon flew and began to pull at a part of it. Knowing that a pair of robins had built a nest in the tree nearby, the folks thought that perhaps the birds had taken the lace into their nest. Investigation proved this to be correct, as the lace formed a part of the nest walls. After the robins were done with the nest the lace was recovered, but in hardly a good condition.—A. A. Kelly, in Guide to Nature.

Too Familiar.
"This air is very familiar," said the musician as a gust of wind whisked his hat off.

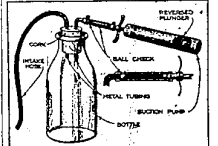
DRAINING FUEL FROM CARBURETOR CHAMBER

Suction Device Illustrated Does Work Easily.

Not Necessary to Remove Tank or Disconnect Heating and Feed Connections—Any Water or Particles Drawn Out.

In some six-cylinder automobiles no provision is made for draining the carburetor, or vacuum tank, without removing them or disconnecting the heating and feed connections and allowing the fuel in the vacuum tank to run off through the disconnected feed pipe. All this makes a lot of work and trouble merely to remove the few drops of water or particles of dirt that interfere with the operation of the carburetor.

The little device shown in the drawing will quickly draw all the fuel from



When Draining the Contents of the Carburetor Float Chamber and Vacuum-Feed Tank of an Automobile, the Suction Device Illustrated Makes It Unnecessary to Disconnect the Float Chamber.

the carburetor and vacuum tank without removing anything but the cover of the float chamber.

Two pieces of metal tubing are inserted through a tight-fitting cork, fitted into a quart bottle. One tube leads to a common type of small bicycle pump, in which the leather washer on the plunger has been reversed to produce suction instead of pressure. A B-Bolt is dropped into the short rubber connection between the pump and bottle, to serve as a check valve.

By removing the screws holding the cover of the float chamber it can be lifted off, then the second rubber tube is inserted so that its end will reach the lowest part of the float chamber. Upon operating the pump, the contents of the carburetor and vacuum tank are sucked into the bottle without spilling a drop, and any water or particles of dirt that may be present will be brought along.—Popular Mechanics Magazine.

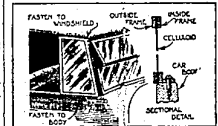
PROTECTS OCCUPANTS OF CAR

Auxiliary Windshield of Celluloid Affords Driver Clearer Vision Ahead of Him.

One form of auxiliary windshield which will protect the occupants of an automobile from rain and wind is made as shown in the illustration.

This shield consists of a sheet of celluloid in a brass frame screwed jointly to the edge of the body adjacent to the windshield and to the windshield frame.

One of these shields is used at the side of the car and the side curtains



Riding in an Automobile Is Made Much More Pleasant by an Auxiliary Shield Against Rain or Snow.

are altered by extending the edges so as to fasten to the brass frames. With these a clearer vision is afforded the driver when the side curtains are in place. The transparent celluloid will not break and shatter as would glass, and when dulled is renewable by separating the scuffed brass strips. These shields are about 12 inches wide and made to correspond in height with the windshield.

The polished trim enhances the appearance of the car, apart from serving as a frame for the celluloid. The freedom from the usual dust and dirt obviates the use of glass or goggles.—Popular Science Monthly.

Results of Slow Sparks.
Too late an ignition spark will cause loss of power and fuel.

Glacier Movements Differ.
The most rapidly moving glacier of the Alps, the Mer de Glace, travels at the rate of 35½ inches a day. The slowest Alpine glacier travels less than an inch a day. Much faster movements are found in the polar regions. The Upernivik glacier, in Greenland, travels 98 feet a day near the end where it reaches the sea.

Wormhole Star Cluster.
A whole star cluster, Messier 18, in the constellation of Boötes, is believed to contain at least 50,000 stars bright to the naked eye, besides hundreds of the kinds of lesser luminaries.

THE UNIVERSAL CAR

Sixteen or Sixty

Coupe \$595

F. O. P. Drive

With Starter and Demountable Rims

THE Ford car is so simple in construction, so dependable in its action, so easy to operate and handle that almost anybody and everybody can safely drive it.

The Ford Coupe, permanently enclosed with sliding glass windows, is cozy, and roomy—modest and refined—a car that you, your wife or daughter will be proud to own and drive.

And of course it has all the Ford economies of operation and maintenance.

Call and look over the Ford Coupe. Reasonably prompt delivery can be made if you order at once.

FORD SALES & SERVICE

Phone 151
Farmington, Mich.

GENERAL MACHINE & IRON WORKS

STRUCTURAL, ORNAMENTAL

AND

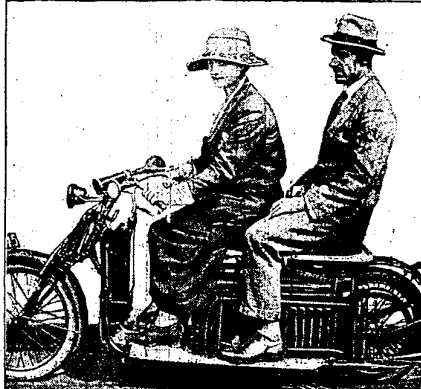
MISCELLANEOUS IRON

Telephone Glendale 6032

DETROIT

F. J. SCHMIDT Pres.
E. F. SCHMIDT Secy.-Treas.

LATEST IN ENGLISH MOTORCYCLES



Dodge Brothers MOTOR CAR

EXCELLENT GARAGE FACILITIES

WELDING

Pratt & Richardson

NORTHVILLE

PHONE 77

WE PRINT ANYTHING ANYTIME BUT NOT ANYHOW!!