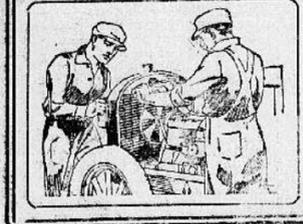


BULLETIN AUTOMOBILE PAGE



HOW LONG DOES IT REQUIRE TO STOP CAR?

At 30 Miles Per Hour, 83.3 Feet Are Covered Before Coming to a Standstill To Use Front Brakes.

Table with 2 columns: Miles Per Hour, Feet to Stop. Rows include 10, 15, 20, 25, 30, 35, 40, 50.

This table is based upon rear wheel braking only and will have to be revised when front wheel brakes are widely adopted.

The foreign makers equipped their racing cars several years ago with front wheel brakes and they proved highly efficient.

WAR EQUIPMENT TO BUILD HIGHWAYS

The department of agriculture will receive tractors, road rollers, and other highway building equipment from the American Expeditionary force as quickly as can be turned.

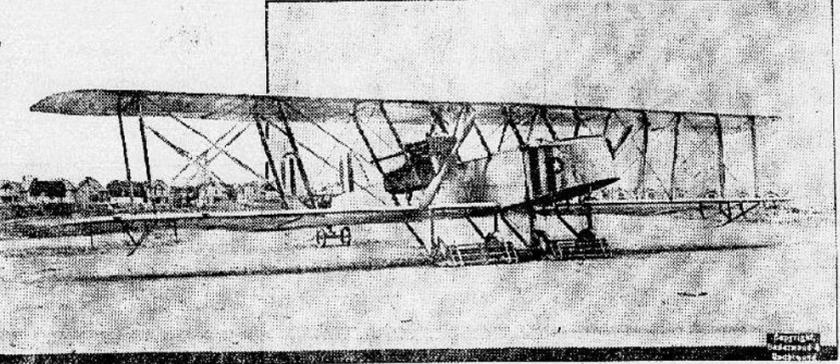
FARMER MAKES HIS TRACTOR EARN CASH

One of the strongest arguments in favor of tractor ownership is the possibilities for earning extra income from custom work for neighbors or contractors.

Advertisement for Superior Vulcanizing, featuring J. L. Mathieson and contact information.

Advertisement for Grand Avenue Repair Shop, offering automobile repairs.

MARTIN PLANE FOR TRANSCONTINENTAL FLIGHT



Front three-quarters view of the U. S. Martin twin-motored 800 horse power transcontinental plane with which Capt. Roy N. Francis will attempt flight from New York city to San Francisco with but one stop, at North Platte, Neb.

STATES RECEIVE 20,000 TRUCKS

States taking advantage of the federal road aid act are receiving substantial additional assistance from the government through the distribution of 20,000 trucks by the war department.

The trucks turned over to the bureau of public roads, department of agriculture, as part of the 31,000 which were recently received surplus by the war department.

ALL AUTO SPACE AT IOWA'S FAIR IS SOLD

Although the Iowa state fair is more than two months away, all the space for the annual early fall show in connection with the fair has been sold.

APACHE TRAIL MAY BE ABANDONED SOON

Arizona's Apache trail, the most famous motor highway in the state, may be virtually abandoned within the next year or so.

HERE'S WHAT HAPPENS IN AN ABRUPT STOP

When a motor car is running 15 miles an hour and is brought to an abrupt stop, the impact is equal to that of a body striking the earth from a height of 13 feet.

A NATIONAL AERIAL TRADE SERVICE IN '20

General Menoher Says Flying Route Across Thirty States Already Has Been Mapped.

New York, July 11.—Maj. Gen. Charles T. Menoher, director of the United States Army Air Service, announced here that thirty states had been completely mapped for the air.

FRANCE WILL BUILD 4 MOUNTAIN ROADS

Four great mountain roads are to be relaid and rebuilt in the Upper Vosges, leading from France into Alsace.

411,791 AUTOMOBILES TAGGED IN ENGLAND

Car licenses in England, as reported including the sixth and seventh issues, in the Board of Trade Journal total 411,791, which seems to be a fair estimate of all the cars in use at present in the country.

Table showing car license statistics for 6th and 7th issues, including private cars, new series, and commercial vehicles.

BUILD ROADS WIDER, SAYS HENRY B. JOY

Col. Henry B. Joy, who was one of the first and is now one of the foremost good roads advocates of the country, and who was for four years president of the Lincoln highway association, and is now one of the organization's vice presidents, sees what he considers a dangerous tendency to construct vast mileage of public highways with the millions which are now being voted in every state for permanent work.

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AIR SERVICE STATION NEW YORK PROJECT

New York may have the country's first commercial service station for hydroairplanes. The project is contained in a plan of L. M. Uppercue, president of the Cadillac-Detroit Automobile company.

RETURN A. E. F. AUTOS AT ONCE, IS ORDER

The American Expeditionary forces have been instructed to return all class B three-ton standardized army trucks to the United States, together with all new truck dump bodies and all Dodge and Cadillac cars that are used or erated.

PROTECT THE BATTERY

The man who is not used to handling batteries might say that the way to get the most out of a battery is to use it just as little as possible.

NO WAR AUTOS TO BE SOLD TO OFFICERS

No passenger car will be sold by the war department supply to army officers, as a result of a ruling made in Washington following requests of officers to purchase some of the non-standard cars owned by the war department.

SOFT TIRE IS ALWAYS FIRST TO BLOW OUT

Do Not Lower the Pressure on Hot Days, Warns the Head of the Goodyear Service.

"These hot summer days are the ones that cost motorists a lot of money," is the declaration of E. G. Brunner, manager of the service department of the Goodyear Tire and Rubber company, Akron, Ohio.

FRANCE LIFTS BAN ON YANKEE AUTOS

The restrictions against the importation of cars, tires and parts have been lifted by France, and these commodities now can be imported from the United States.

PLANTING TREES IN HONOR OF THE DEAD

Omaha, Neb., July 12.—One of the most unique memorial groves in the United States is at Fort Omaha, where the United States army has its balloon school.

DON'T THROW JACK LOOSELY IN TOOL BOX

Undoubtedly the jack is one of the most difficult tools in the car's equipment in the matter of carrying it.

TUSCANIA VICTIM REACHES BUTTE

After having survived the Tuscania disaster and German bombs so fully and plentifully dropped on various parts of England, Willard Hall, nephew of Mrs. Byron Irvin, has returned to Butte after extended service in England.

TO AUCTION SEIZED STUFF

At an auction sale to be held at the courthouse on the afternoon of July 17, a large quantity of bar fixtures, steel safes, trunks, caddies, cigars, and cigarettes and various other articles, all seized in raids on various places accused of having violated the prohibition laws.

PROTEST OF NO AVAIL

The protest of a number of citizens of the McQueen addition against the special improvement district providing for the construction of a sewer, will be ignored by the board of county commissioners.

Advertisement for Western Vulcanizing Co., vulcanizing and retreading services.

BITS OF NEWS

Stockholm.—Factory workers supplying the bolshevik army have to obtain "marks" from their superiors like scholars, according to a Petrograd message.

St. Helena.—"Send him here" is the heading of an editorial in the "St. Helena Observer," the only weekly paper on the island, which is excited at the prospect of adding the ex-kaiser to its list of "fortune's hostages."

London.—A Cirencester penny, of the period William the Conqueror and King Stephen, was auctioned for \$850 at Sotheby's.

Scarborough, Eng.—William H. Fowler, the 25th member of his family to hold the office of mayor of Scarborough since 1698, has just died.

Carnarvon, Wales.—Tanqueray's Llangollen brewery, the oldest and most famous brewery in north Wales, has been bought by a temperance reformer and will be turned into a cheese factory.

Paris.—There were 19,650 influenza victims in Paris between October and February, according to official statistics.

Today's Anniversary.

The first Quakers to land on the American soil were Mary Fisher and Ann Austin, who reached Boston on this date after a long voyage from England by way of the West Indian island of Barbados.

Advertisement for Automobile Fix-It, featuring a car illustration.

Advertisement for Vulcanizing Supreme, retreading and tire repair services.

Advertisement for Montana Battery Station, featuring Prest-o-lite storage batteries.

Advertisement for M. G. Smith Machine Shop, specializing in piston rings.

Advertisement for T. W. Cunningham Oxy-acetylene welding works.