

COAST TO HOLD AERIAL EXHIBIT

Los Angeles Show Expected
to Exceed Chicago and
New York Exhibits

LOS ANGELES, Mar. 27.—That the friends of aviation in the west are measuring up fully to the opportunities presented to make a direct appeal to the people, is indicated in the announcement of the First Aeronautical show of the Pacific Coast, to be held in the auditorium at San Francisco, April 21 to 28.

Encouraged by the unprecedented interest in the Aero Shows held recently in Chicago and New York, they have secured official sanction for the San Francisco show from the Merchants and Manufacturers Association under whose auspices the eastern shows were made. Held in a section of the country where aviation is free from many of the climatic disadvantages of the east, the western show should rank favorably in interest and attendance with the two exhibitions that for several years have been recognized in the east.

At the recent Chicago and New York shows the Goodyear "Pony Blimp" has easily been the sensation. This is a small dirigible designed for pleasure flying—a sort of roadster of the air, or "flyabout." It is but 95 feet long, has accommodations for two passengers and under favorable conditions will attain a speed of 40 miles an hour. The propulsive force is a 40 horse power motor. The pony blimp's advantage lies in its inexpensive and easy operation.

The Goodyear aeronautical record in the war was a notable one. Anticipating the government's requirements in heavier-than-air craft, the company in 1916 established a 2,000 acre balloon field and built a 400 foot steel hanger, large enough to contain two dirigibles. For years the factory had been manufacturing spherical, or "free" balloons, so when the United States entered the war, and the government need for a fleet of dirigibles for coast patrol became apparent. Goodyear was thoroughly equipped to proceed immediately with the construction of a fleet of 9 ships.

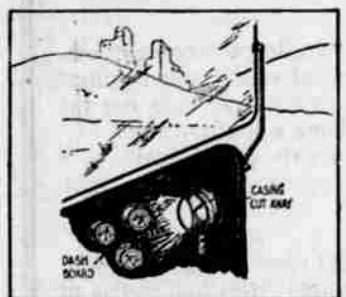
A little later a school for the instruction of pilots was established, which became of such vital importance to the government in training pilots of all types of balloons, for service both on our coasts and overseas, that it was absorbed by the Navy department and during the war trained more than 500 men as licensed pilots.

During this period 3,281 flights were made, carrying 10,235 persons a total distance of 60,760 miles.

GOOD DASHBOARD LIGHTING

Cutting Away Section of Lamp Casing
Will Give Sufficient Illumina-
tion for All Needs.

Many cars are equipped with the so-called flush side light, the lens being flush with the outside, and the back of the lamp extending in on the dash. By simply cutting away a section of



A Cut-Out on the Flush Side Light to
Illuminate the Dash.

the lamp casing, as shown, part of the light will follow the dash, thereby illuminating it sufficiently for all needs.
—Thomas W. Benson, in Popular Science Monthly.

AUTOMOBILE HINTS

Proper lubrication is just as much a factor in the feeling of safety in motoring as new tires or a recently overhauled motor.

As you approach a stop coasting, or as you coast around corners, be sure to throttle down, to prevent engine from racing. This saves the gasoline that would otherwise be wasted.

How to Clean Spark Plugs
The best method of cleaning spark plugs that have become fouled with oil is to boil them in a solution of washing soda and water.

Cut-Out Is Unmannerly
An English motor publication in a recent editorial thinks "it is time something was done about the use of the cut-out." Particularly in London, the writer complains, the cut-out has become "most unmannerly."

ARE YOU A "GOWAG?"

The suggestion is made that every motorist become a "gowag." The word is coined to remind the motorist of the five things he should always watch if he would avoid trouble in keeping his car running. A "gowag" lives up to his name by remembering:

G stands for gasoline; always have a sufficient fuel supply.
O for oil; plenty of it and the right kind.

W for water; even motors have a terrible thirst.

A for air; tires must be inflated to the correct pressure.

G (final) for grease; give those grease cups the turns required. And don't forget the springs.

Universal

Grouch—That woman drives all over the street, barely misses every vehicle she meets, turns corners on one wheel and when she shifts her gears it sounds like a whole army gritting its teeth.

Philosopher—You talk as if it were the first woman you had ever taken a ride with.

A Fair Question

"Jack is so polite. He always lets the girls get on street cars first."
"How long has he been blind?"

It might help novices and reckless drivers if the telephone companies would use gutta percha poles along country highways.

Primer Connections

When a cup or other form of dash primers is used, the tube which connects with the manifold is apt to become disconnected by vibration. To obviate this trouble solder a sleeve on the end of the tube and allow a slip connection with the reservoir.

AMAZING FIGURES IN AUTO FIELD

Statistics Give Interesting
Information on Produc-
tion and Sales

Unofficial figures compiled from various sources tell a wonderful and amazing story of the automobile industry in 1919.

Ninety manufacturers of passenger automobiles and 170 builders of motor trucks in 32 states, employing 580,000 produced approximately 1,586,787 passenger cars and 305,142 trucks, valued at \$1,807,593,829 in the last 12 months.

A small group of automobile tire manufacturers produced more than half of the 31,000,000 tires made in 1919, with the other half manufactured by 213 small companies. Of the entire total The Goodyear Tire & Rubber Company made nearly 7,000,000 tires, or 20 per cent. In 1920 it is estimated that 40,000,000 tires will be produced.

Automobile exports last year were of startling totals. The value of motor vehicles and parts sent abroad to 81 countries was \$146,334,516, of which 62,624 were passenger cars valued at \$68,945,740, while 14,748 were commercial vehicles worth \$35,372,419. The value of parts exported was \$42,016,284.

It is estimated that there were in 1919, 62,036 automobile dealers, garages and repair shops in the United States. Of the total, 32,317 were pas-

senger car dealers, 18,943 were truck dealers, 36,427 were garages and 43,381 were repair shops.

Farmers were the largest users of motor trucks, owning 10 per cent more than manufacturers and 15 per cent more than retailers. It is estimated that 40 per cent of the car output was sold to farmers last year.

The 7,100,000 motor vehicles in use in the United States, of which 700,000 are motor trucks, brought \$65,000,000 revenue to states from license fees.

Mathematicians figure that there are 15.96 persons in the country to every automobile and two cars in the

country for every square mile.

Lovers of horse flesh will view with sadness the fact that 3,600,000 horses were displaced by motor trucks last year. At the same time it is estimated that 15,000,000 acres of land were released for food production by the use of trucks.

Iowa and Nebraska have the greatest number of automobiles per capita, with one car for every six and a half persons. Tennessee lead the country in increase of car registrations, with 29 per cent gain.

Now is the Time

To have that old bicycle overhauled and the needed repairing done. We are the best equipped, and have the best stock of parts in the city.

We do First Class Work and Guarantee it.

Our stock of bicycle tires is the largest and best in the city. We handle U. S., Firestone, and Vitalic tires. Prices range from \$3.00 to \$6.00 each.

L. B. Hixson, Jr.

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TIRES At Less Than Cost



32x3 1/2 S. S. Plain Casings

List Price \$26.40

OUR PRICE

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Firestone—Goodyear—Goodrich

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ALL GUARANTEED TIRES

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RALSTON MOTOR CO
Seventh and Lyon Streets

They Fit Our Roads

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No wonder Oldfields are setting new mileage records in this territory, making good the claim of the world's greatest tire user, who designs and builds them!

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