

Auto Designers See Value of Franklins

When designers of automobiles meet to talk over their problems and plans, among themselves, it is well for the public to eavesdrop a bit, as they are in a position to give us hints as to what we are to expect in the future.

When the designers and the engineers of the automotive industry gather twice a year for their discussions, they always let drop some hint, not only as to their plans for the immediate future, but also some of the ideals toward which they are working.

Not without interest, therefore, has been the semi-annual convention of the Society of Automobile Engineers held at Ottawa Beach, Michigan.

The addresses which aroused the most interest and which may serve as a means of indicating the possible trend of design in motor cars, were those by W. B. Stout of the United Aircraft Engineering corporation, Herbert C. Snow of the Winton company, and L. H. Pomeroy, vice-president of the Institution of Automobile Engineers, London, England, and Herbert M. Crane of the Wright-Martin Aircraft corporation.

Mr. Stout stated that we will soon see a five passenger car weighing less than half the present weight that will be easier riding, more reliable, and consume less gas than the present designs permit of. He says this has been made possible by the experiments in aircraft construction, his opinion being that air-cooled motors, wood frames and annular contact-type ball bearings will be more universally used, as they have less friction than any known bearings.

All of the above authorities express the opinion that there will soon be only 6 and 4 cylinder motors used by the manufacturers.

It is a queer coincidence that the Franklin Automobile company has been working along these lines for the past eighteen years and has already adopted practically all of the ideas suggested by the designers at this convention.

STORAGE BATTERY IS DESCRIBED AS SOUL OF THE AEROPLANE

When a liberty motor is giving its utmost to push forward a liberty plane the result to the ear at least is a noise which would hardly be welcome in the reading room of a public library or under your window when you want to sleep.

Such is the voice of gasoline raised in protest against being introduced to the little spark of electricity which jumps across the spark plugs 165 times every second; but the protest is in vain for the "juice" keeps coming—165 times each second, 9,900 sparks per minute, 594,000 times in an hour, coming from a little innocent looking boxful of lead and acid and water and rubber, stowed away in the fuselage, out of sight but never out of the mind of the man whose life depends upon it.

Soul of Liberty Motor

The storage battery is the soul of the liberty motor. As gasoline is its food, steel and aluminum its clothing, so is electricity its spark of life. Without that spark it is an inert mass; with it the liberty motor is a source of magnificent power.

The Willard Storage Battery company in Cleveland had for years been making storage batteries for starting lighting and ignition on automobiles. When Uncle Sam decided he would "take no more nonsense" from the kaiser, the Willard organization was asked to design a storage battery for ignition in an aircraft motor.

First Difficulties

The first difficulties faced were the necessary limitations on size and weight as Uncle Sam's specifications called for a battery of a certain capacity weighing not more than ten pounds. Any motorist who has tried to lift his storage battery knows what it weighs. Lead—the very name sounds heavy—makes up most of the storage battery, and ten pounds of lead is not very much. The Willard engineers set to work and designed a battery of the proper capacity, weighing but ten pound and two ounces, which was satisfactory to the government designers.

The spontaneous combustion of a sweeping compound stored in steel drums is reported to have caused a fire which totally destroyed an Indiana school building. The state fire marshal has ordered all state institutions to discontinue the use of these sweeping compounds.

WOMAN LABOR TO SAVE WHEAT CROP IN KANSAS

Women are playing a decidedly important part in harvesting Kansas' 218,000,000-bushel record-breaking wheat crop.

Harvest is on in full blast in all parts of the state, with the front line steadily moving northward.

Women are doing their bit in the field as well as over the kitchen stoves. On every farm the women cook the meals which the harvesters eat, and it is some job with the thermometer ranging between 90 and 100 degrees.

Women, however, have always done that during harvest time, but this year there are many of them who are going into the wheat fields, attracted by the high wages paid or, are helping in getting harvesters for the farmers.

Illinois Woman Is Champion

Miss Pearl Sackett of Pittsfield, Ill., is the champion woman harvester in Kansas. She does as much work as the most competent man in the field, and enjoys it. She doesn't want to be bothering with her hair, so she had it cut short. She wears a man's fedora hat, Miss Sackett started helping in the harvest fields on the farm of her brother, H. H. Fox of Suro, Okla. She intends to follow the harvest north to Canada.

H. A. Pickett of Arkansas City, Kansas, is the labor "bureau" for the southern Kansas wheat belt. It is his job to get harvesters for the farmers in his district and get them out to the farms. Pickett has an excellent assistant in his 18-year old daughter, Vera D. Pickett. Miss Pickett was the honor graduate from the Arkansas City high school this year. Next year she will attend the Ward-Belmont school at Nashville, Tenn., an exclusive school for young women.

As Good Shockers as Men

There are scores of other women harvest hands who are daily demonstrating that they can shock the golden grain as well as men. They draw the same wages as the men and are welcomed by the Kansas farmers.

BAPTIST LEADER PREACHES AT BAPTIST CHURCH SUNDAY

Dr. Frank L. Anderson, superintendent of the Baptist Executive committee of Chicago and a resident of Wilmette, will be the speaker at the morning services at the Baptist church Sunday in the Wilmette Woman's club building.

This will be the last service till September 7. Sunday school will be held as usual every Sunday morning.

Mrs. Percy Andrews entertained at luncheon and bridge on Tuesday at her home, 411 Lake avenue.

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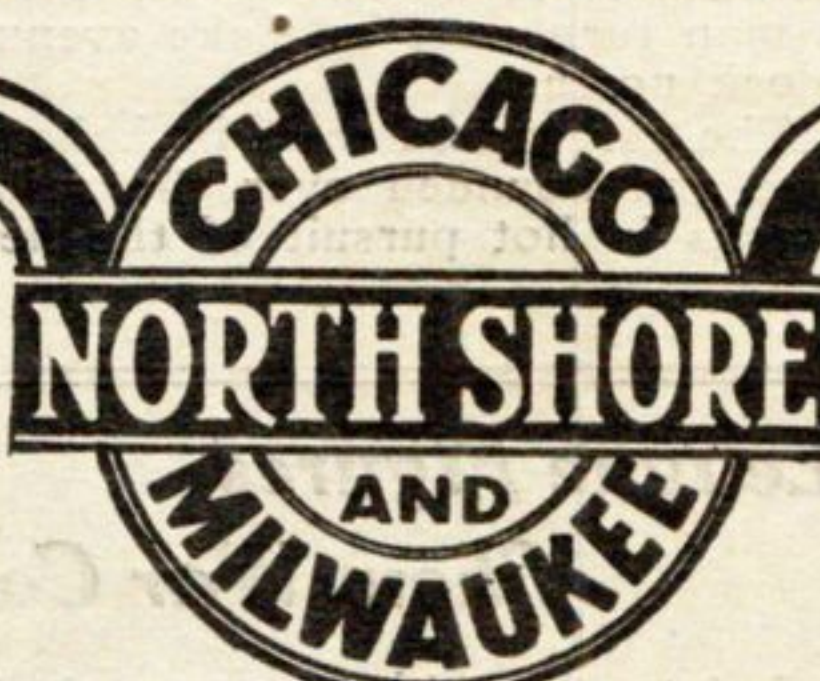
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