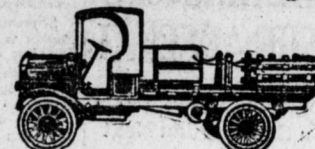


ALFRED P. DAVIES, AUTO EDITOR

# AUTOMOBILE SECTION

## AUTOMOBILE NEWS AND ADVERTISING



SPECIAL FEATURES EVERY SATURDAY

### BATTERY TESTS, WHAT, WHEN, WHY

#### Inside Information Regarding a Battery Test; What the Man Does

Have you ever wondered just what the battery man does when he tests your battery? You know the test should be made frequently, but do you know why? When we asked C. L. Miller, of the local Willard Service Station, to answer this question for our readers, he said: "I will try to talk in words of one syllable and try to keep away from technical terms.

"The hydrometer test simply weighs the battery solution. We take the weight of distilled water as a standard and call it '1.' Sulphuric acid weighs more than water, so that when it is added to water, as it is to make the battery solution, the solution will naturally weigh more than the original water. It is this increased weight which we measure. "If the battery is properly charged

the battery solution should weigh 1.28-1.30 times as much as water. This weight is called specific gravity. When a battery is discharged, the acid leaves the solution and enters the plates which makes the solution lighter or nearer the weight of the water.

"When a battery is charged the acid leaves the plates, enters the solution and makes it heavier. Therefore, when we weigh the solution (or test the battery) and find that it weighs 1.280 times as much as water, it shows that the battery is fully charged. If, however, for instance, it weighs 1.170 times as much as water, it shows that the acid is in the plates and not in the solution; therefore the battery is discharged.

"But remember that you cannot charge the battery by adding acid. The original acid is still in a discharged battery. It is in the plates and must be driven back into the solution by charging from an outside source. So you see if you add acid to your battery you will have more than you should have in there, which will cause damage.

"There are just two things which a car owner can safely do to a battery himself, went on Mr. Miller: "he can add distilled water to a point half inch above the plates, and he can weigh the battery solution himself with a hydrometer syringe."

### Fred Stone, Cinema Star, Now in Rubber Business

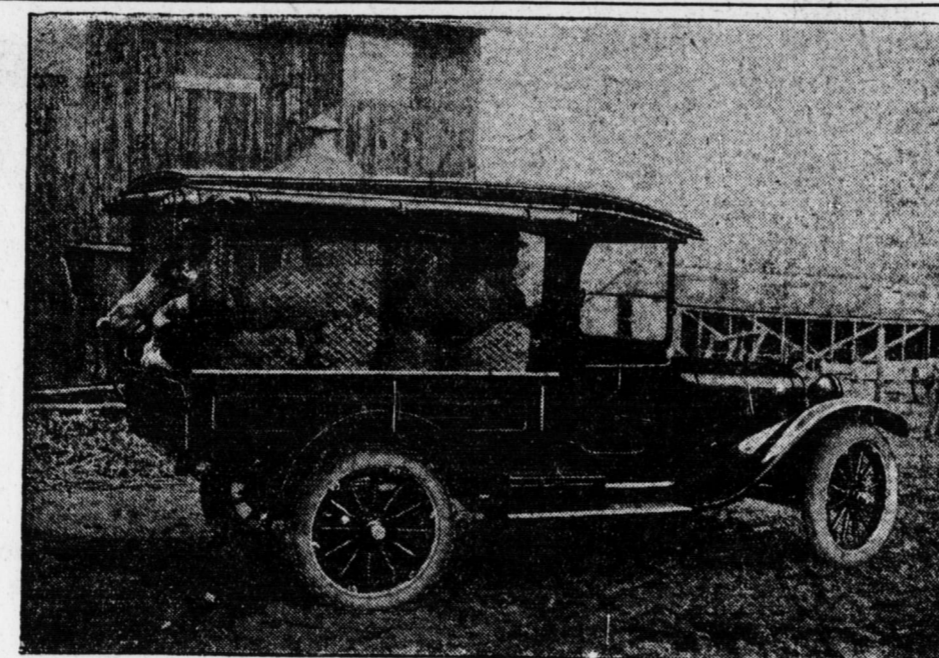
Years ago—and we will not go into detail sufficiently to say just how many—when Fred Stone was a struggling vaudevillean, and Seneca G. Lewis was road salesman for the Winchester Repeating Arms Company, these two, because of their fondness for runs on the sport of trap and field shooting, became fast friends. In the course of their travels, they frequently met in cities throughout the United States and shot friendly matches together.

Now Fred Stone, at the pinnacle of his profession, is America's beloved and favorite comedian, while Seneca Lewis is Vice President and General Manager of the Pennsylvania Rubber Company, manufacturer of Vacuum Cup Tires. Not content with being the owner of an office building and other valuable real estate in New York, the great comedian is casting about for other investments, was attracted to the rapidly growing rubber industry and also very logically to the Pennsylvania Rubber Company, which has within the past decade, since its organization in February, 1910, progressed to such an extent that it is today recognized as one of the largest producers of high quality tires in the United States.

During Mr. Stone's recent engagement in Pittsburgh, arrangements were completed whereby he acquired very substantial holdings in this growing concern and, therefore, may now be properly classed as one of the rubber magnates.

Dr. B. S. Behney, Dentist, has resumed practice at 236 North Second street. Bell 1514.—Adv.

### The Motor Car Is Fast Coming Into Prominence in Long and Short Distance Hauling. Will Reduce the H. C. L.



### LARGE CONVENTION HALL 'TO BE BUILT BY MOTOR DEALERS' ASSOCIATION

#### Site Purchased on Cameron Street Near Berryhill; Work to Start in Spring

Announcement was made during the past week by George G. McFarland, president of the Harrisburg Motor Dealers' Association, that negotiations had been closed by his association for the purchase of a plot of ground in South Cameron street near Berryhill. This lot is located directly south of the Smith and Keffer building and is 120 feet frontage by 375 feet deep. It is the intention of the association to build a large convention hall on the plot that will cost in the neighborhood of \$2,000,000, which will contain store rooms on the front with a garage on the rear and large rooms on the second and third floors that will be used for all kinds of show purposes and conventions.

Ever since the Motor Dealers have been holding annual shows in this city they have had to depend on renting some building large enough to hold the many models of automobiles they had to exhibit. While this always caused considerable trouble, yet they were able to find some building that was large enough. Last season, however, showed that the increasing number of dealers and the wonderful growth of the automobile business necessitated the securing of a building that would be large enough for their purposes and would be a permanent fixture. The building used then was the largest in the city that could be used for show purposes, yet it was necessary to hold two separate shows, one for passenger cars and the other for trucks and then the shows were held under very cramped conditions. It was decided at that time that in order to meet the increasing demand for floor space and to have a hall that would be centrally located, it would be necessary to buy a plot of ground and build a hall that would meet their demands for years to come.

A committee was appointed to look over several plots of ground that had been suggested and the plot recently purchased was finally decided upon because of its being accessible from all parts of the city.

The proposition, while a big one, will be handled entirely by the Motor Dealers' Association. A charter will be taken out and a stock organization will be effected and only the dealers will be offered the stock. Plans for the building are now being prepared by local architects, but the actual start of building operations will not begin until in the spring. It is the intention to build a three-story building. There will be four storerooms on the ground floor that will be rented out for automobile purposes, accessories, etc. These rooms will be 20x20 feet. There will be a drive alley all around the building and at the rear of the storerooms. The entire building will be about 250 feet deep. The rear of the ground floor will be used for garage and storage purposes. The two upper floors will be used for convention halls and will be about 50,000 square feet. This space should prove sufficient for some years to come.

It is the intention of the association to hold two shows each year, one in the spring and one in the summer. There are also several other shows of like nature, tractors, farm implements, etc., that have desired to hold exhibits in Harrisburg but could not because of lack of floor space. This building will be utilized for those purposes also. The halls will be rented out for other conventions and in all probability will be used for boxing, basketball, volleyball, etc.

While it is not probable that the entire building will be erected at one time according to the plans, two floors will be completed and as the need arises, other floors will be added. This will be the largest hall of its kind in Central Pennsylvania.

### GRANT JUSTICE, HUGHES' POLICY

#### No Machinery For This Provided, He Declares in His Pittsburgh Address

Pittsburgh, Nov. 15.—Machinery for industrial justice which would prevent the interruption of services essential to the community was advocated last night by Charles E. Hughes in an address on "The Antidote for Bolshevism" at the World's Christian Citizenship Conference.

Referring to public servants, transportation and basic industries, he said:

"If the community provided just means for the settlement of complaints and for the redress of wrongs which might be suffered by those engaged in these essential activities we should have a right to prevent concerted attempts to that end through any sort of combination, to hold up the community and enforce demands under threat of widespread suffering and want."

Favors Collective Bargaining

For industrial activity outside the essential services he urged collective bargaining with decisions binding in law.

"We have made little progress in providing the machinery for industrial justice, and in this respect we are still uncivilized. We are still at the stage corresponding to that of trial by battle and trial by ordeal in the early law. But we cannot go on indefinitely in this way.

"I believe in the recognition of the right of collective bargaining on the part of labor through representatives of their own choosing. The qualification may be made that these should be proper representatives and not those who aim at the demoralization of our industrial life and use labor disputes as a means to promote sinister designs."

Mr. Hughes favored sharing of excess profits with labor but opposed co-operative management, saying: "As labor will not and cannot take the risk of losses there should be reserves out of profits for contingencies. After fair wages have been paid, a fair return made to invested capital and contingencies provided for in the interest of the continuity of the enterprise, it is just that excess profits should be distributed on some reasonable basis among all who have produced them, investors, managers and all other workers."

### APPERSON EIGHT ON HARD RUN

#### Takes Every Grade on Long Trip in High Up Mountains

"Nearly a thousand miles of mountain roads on high—that's what we did with an Anniversary Model Apperson Eight."

This is N. Lipman's summing up of a remarkable trip, lasting a week, from Kokomo, Indiana, to Newport News, took the purchaser of the car, Mr. J. E. Humrickhouse, along with him.

"We couldn't speed any, because I was breaking in a new motor," Mr. Lipman continued. "In fact, we never exceeded 20 miles an hour. We couldn't get the right start for some of those soaring hills—I would have preferred 40 miles an hour to 20—but the Eight took them every one in high—easily.

"Of course, on some of the fine stretches of road it was a great temptation to try out the famous Apperson acceleration—from one mile an hour to 40 in 20 seconds. And the hills gave us ample opportunity to prove the tremendous Apperson braking power—that curbs the speed from 40 miles an hour to a dead stop in four seconds—40 yards. But we were loosening up the motor, so we never let it extend itself.

"Perhaps I shouldn't mention the mileage we got on our gasoline, because a new motor, of course, is not economical of fuel. We were surprised and delighted, however, when we came to figure it up, to find that we had averaged 15 miles to the gallon of gas."

Apperson Bros., Automobile Co.

### Suggest Traffic Semaphores Used Here Are Too High

It has been suggested by several motorists that the traffic semaphores at street intersections in this city are too high to be seen when the driver of the car is close up to them. On several occasions it has been noticed by the writer that when a driver has run past the traffic officer that the "Go" signal had been turned after the motorist was close up to the signal.

In most cities the "Go" and "Stop" signal is just above the head of the officer in charge. In this city they are about nine feet high. It should be an easy and inexpensive matter to cut the standards shorter by at least a foot and a half and at the same time will greatly benefit the directing of traffic.



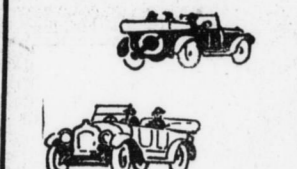
## TEXACO GASOLINE AND MOTOR OIL



Auto Gloves, Robes and Reversible Leather Coats FERRY'S Penn-Harris Building, Open Evenings.



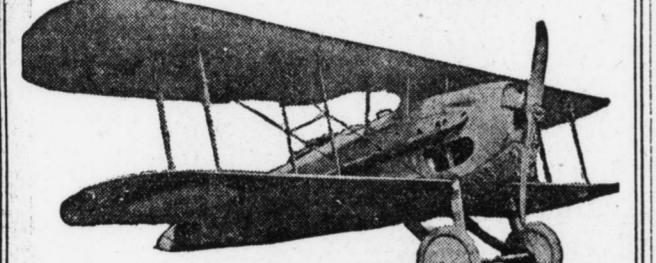
### Retreading Puts More Miles Into Old Tires



MANY motorists lose miles and miles of tire-life because they thought their old tires were not worth retreading or vulcanizing. Let U.S. be the judge. Bring your old tires to us. We'll tell you if they cannot have new life put into them. Or phone us and we'll call for and deliver them.

**Penn-Harris Vulcanizing Co.**  
GOHL & BRUAW, Props.  
310 Strawberry Street

### LEARN A TRADE AND EARN WHILE YOU LEARN



Some of our students are making \$120.00 a month while learning. We can place you. We teach aeroplane operating, piloting and construction, automobile mechanism, wireless telegraphy or radio telephone. Write for particulars.

**AUTO & AEROPLANE MECHANICAL SCHOOL**  
Harrisburg Aerodrome  
Office: 25 N. Cameron St., Harrisburg, Pa.

### Three REAL Automobiles



Power Speed Stability  
Beauty Comfort Economy

**J. Sidney Sible Jr.**  
Distributor  
301 Cumberland St. Harrisburg, Pa.

### OAKLAND SEDAN PROVES POPULAR

#### Closed Models Being Used During the Entire Year

That the Oakland sedan and coupe is proving popular with a large number of motorists is evidenced by the fact that quite a few have been sold in Harrisburg during the past two months. Cold weather coming on has influenced the sales to a certain extent, but it is a known fact that closed models are being sold with favor more and more and that they are being used for all year work.

It is only a few years ago—and very few at that—that the closed models were known to only a few automobile users. They were thought to be cumbersome and unwieldy, and that it was very expensive to operate them. This illusion is fast disappearing and the large majority of owners are rapidly taking to the sedan and coupe. When a person takes into consideration the many advantages of a closed car over the open car it is little wonder that the closed model is proving more popular. It is a recognized fact that in the next few years, these same closed models will no doubt be way up the amount of sales made in comparison with the open models.

The Oakland car of to-day is the same sturdy little car that it was when it was first introduced four years ago. Four years ago the Oakland came out as a medium priced light six. Since that time it has not changed in any of its salient points. Of course as science and improvements have been added to the automobile, the Oakland has kept pace, but it is materially the same well balanced and powerful car as of old. Wire wheels can be secured on any of the four models and other special features are added according to the customer's desires. The Dauphin Motor Car Company, local distributors are making immediate deliveries on all models.

GET TWO BIG COONS  
Lewistown, Pa., Nov. 15.—Lewis Stannard and "Buz" Rook are home from the mountains above Barville, with two big coons weighing 16 and 18 pounds.

### England Is Selling Wool to Americans Despite Shortage

#### London, Nov. 15.—The British Ministry of Munitions is selling wool to American manufacturers although the clothing makers here say that high prices are due to scarcity of wool.

The Ministry agreed to ship to Boston during October 4,000 bales of Australian and 10,000 bales of New Zealand wool. The only reason given at the Ministry of Munitions for this action is that the American wooler manufacturers need this supply. The Evening News asks: Isn't this wool needed at home?

Francis X. Fox, eastern wholesale manager for Apperson Bros. Automobile Company of Kokomo, Ind., whose headquarters are in Philadelphia, is spending the weekend with the Keystone Sales Company, the local distributors for Apperson Eight's, in going over the prospects for the coming season.

Mr. Fox is of the opinion that production of motor cars is rapidly on the increase and that while there is sure to be an appreciable shortage and that manufacturers will not be able to meet the demand, there will be much larger deliveries of cars in this territory in the near future.

This has been one of the big problems for the local distributors during the past season. While a few cars have been delivered here, there has been nowhere near enough to supply the demand.

Refiners Ask U. S. to Raise Sugar Price  
Washington, Nov. 15.—Increases in the wholesale sugar price, now set at 10 cents a pound, were asked by refiners who called at the Department of Justice. The sugar men conferred for two hours with H. E. Figg, Assistant Attorney General, and discussed both wholesale and retail sugar prices.



### The Hidden Parts of Your Car

You say "let me have five gallons of gas" or "how about a new tire for the left hind wheel." But are you taking care of the hidden parts of your car? That's a big part of our service. Let us Dixonize the bearings of your car to keep it in trim and drive away wear.

Ask for the Dixon Lubricating Chart. It's free.

HERE is an expert from the Joseph Dixon Crucible Co. at our place who will give you free advice about lubricating your car. Drop in and see these graphite lubricants in action. He'll tell you why you can put Dixon's Graphite Grease No. 677 into transmissions and differentials and forget about it.

Ask for the Dixon Lubricating Chart

**Keystone Sales Co.**  
108 Market St.

# REO

## "SPEED-WAGONS" DELIVER!

### And if It Isn't a Reo It Isn't a Speed-Wagon

#### Excerpts Taken From Letters From Speed-Wagon Users

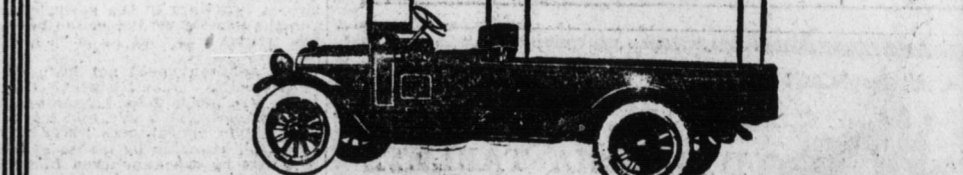
- "giving excellent results and has never to be laid up a minute for any reason."
- "called into service for extremely difficult work—always came through 100%."
- "our salesmen, drivers and mechanics are insistent upon having a fleet of Reos."
- "two trucks have not lost any time since we began using them."
- "have come up to expectations and given the service just as you have promised."
- "have been operating our fleet of Reos without one cent of expense."
- "we get as great, if not greater, mileage as we do from some smaller truck."
- "in efficiency and economy of operation it is making good on your promises."
- "gives us the service we formerly received from two teams and two drivers."
- "so far ahead of the trucks formerly used that there is no comparison."

And so on down the line in the same tone from thousands of owners, and none of them solicited. What Speed-wagons are doing for others they will do for you, no matter what your business may be. You are losing time, money and energy without a Speed-wagon in your business.

## Harrisburg Auto Co.

Geo. G. MacFarland, Pres.  
Fourth and Keiker Streets

### Reo, Duplex, Hurlburt Trucks



**Reo Speed Wagon**  
If better cars could be built we would sell them