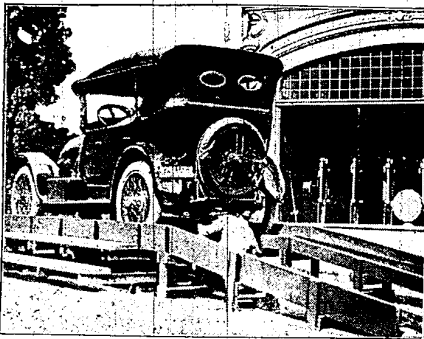


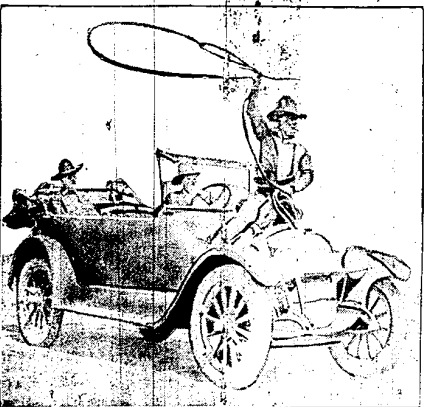
AUTOMOTIVE SECTION

AUTOMOBILE PLATFORM IS UNIQUE



This unique automobile platform is the first one made. Essentially it will be seen all over the country. You drive your car upon the platform, the service man gets under it, changes the oil in the crank case, transmission or differential while you sit in the car and see him do the work. Then all you pay for is the bill. Knew intensions rivalry and a big for the motorists business. This is a new and useful accommodation for motorists.

ROPE STEERS FROM AUTOMOBILE



The wild and woolly West is no longer so wild nor so woolly. Nellie, the star mount of Deadwood Dick, is no longer a horse, but an automobile. The photograph shows a cowboy roping steers on a ranch near Marfa, Texas.

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\$845.00

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SIGNS POINTING TO BAD BATTERY

Practical Hints on What to Do
to Get Long Life and Good
Service From "Juice" Box.

WARNING WILL BE ADEQUATE

If Car Is Run Much at Night Current
May Not Be Sufficient—When
Charging System Fails Have
It Attended to.

Sooner or later your electrical system will fail to charge the battery. When that happens your engine will begin to miss explosions and shortly after will refuse to run. Before this calamity overtakes you there will be signs pointing to a weak battery and should not be disregarded. If you have been observant you will have noticed that the ammeter registered a low charging rate. This indicates that the generator is not charging as it should. But the fault may be in the driver and not in the generator at all. If the starter or the lights are used too much the current will be drawn from the battery faster than it is being charged. So note that your battery gets the proper balance. If the car is run much at night the battery may not receive enough current. Run the engine more during the daytime so as to replace the current that has been drawn from it.

When Charging System Fails.
If the charging system has failed, due to some defect, have it attended to at a service station, and have the battery charged immediately. Some owners prefer to charge their own batteries from the lighting system in the house. This is a practical method and one that will grow, especially where service stations are not available.

Special apparatus is required, but it is not expensive. It may be connected to any lamp socket using 110-volt current. This may be direct or alternating, the apparatus differing according to which current is used. For direct current a rheostat is employed which brings the current down to the right amperes, usually ten amperes for the average battery used on a starting and lighting system.

For alternating current a rectifier must be used to give direct current and to give the right amperage. The positive of the battery must be connected to the positive lead from the apparatus and the negative of battery to the negative lead. This runs the charging current into the positive of the battery, reversing the chemical composition of the plates. Then, when the change is complete, charging is stopped and the current may be drawn from the positive in the usual manner.

Prepares for Charging.

Before charging you must see that the electrolyte covers the plates. Nothing but distilled water should ever be added for this purpose, and then only after the battery is charged. The electrolyte should cover the plates at least a quarter of an inch at all times. Having inspected and corrected this condition, the filling caps should be removed to allow the gas to escape. Then adjust the amperage according to the capacity of the battery. A discharged battery should start charging at one-tenth capacity. Thus a 100 ampere-hour battery should start at six amperes, a sixty ampere-hour at four amperes. In an hour or so the hydrogen gas will start to come off very freely. This is known as gassing or boiling. When it gasses freely you diminish the charging rate one or two amperes. The battery will be fully charged when the electrolyte reads 1.275 to 1.300 on the hydrometer. This will take about ten hours. The voltmeter reading will be about seven volts, but the hydrometer test is more satisfactory.



ARTHUR PETERSON.

Decade man who is Michigan State Fair Board member, charge of the exhibits of plants and flowers, one of the most delightful features of the many displays at the state fair in Detroit, Sept. 2-11. Premium awards are offered to his department to both professionals and amateurs, attracting many beautiful exhibits.

The Midway at the state fair in Detroit, Sept. 2-11, will be the center of the midway.

Fordson

TRADE MARK

Farm Tractor

The Fordson tractor on the farm will enable you to get your work done in season. Plowing, drilling, haying, harvesting, all are done quickly and when they should be done with the Fordson.

The Fordson is a compact, easily handled and most economical tractor. For work in the field or power machinery, it is quick, efficient and economical. You can do more work in a day with the Fordson, and because of the extra work that can be done, it is a money-maker. It is an all-round utility—a power to be used successfully during the entire year.

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FARMINGTON, MICH. PHONE 113.

Dummy.
That Kodak department clerk never did get it through his head how that cavalryman objected to his prize mounted when most of the pictures were of himself on horseback.

RODEO AND WILD WEST IN STATE FAIR ATTRACTIONS

Rodeo stunts and the real "wild and woolly" western cowboy brand of exciting entertainment will be seen at the state fair in Detroit, Sept. 2 to 11, Secretary-Manager G. W. Dickinson, of the fair, has arranged. Purely American are the thrills to be had in these events.

A "wild west demonstration" will be a feature that will attract many of the daily visitors at the fair. Trick and fancy rifle shooting will be shown by California Glenna. With one flick of his trusty lariat Dakota Max, who hails from Deadwood, will catch five mounted horses running at full speed. Tommy Privitt, of Ada, Okla., America's youngest successful cowboy, will show trick and fancy roping, as well as riding bucking bronchos.

Little Dot Anderson, dainty miss from Cheyenne, will do some fancy and trick riding. The original Zooger Red, from San Angelo, Texas, oldest and ugliest cowboy in America, with the distinction of being the oldest bucking horse rider in the world, will demonstrate his skill. At 65 he has yet to see the broncho he cannot ride.



H. S. NEWTON.

Hart man who is Michigan State Fair Board member in charge of the fruits department at the fair in Detroit, Sept. 2-11. Increased premiums are attracting the fruit growers of the state and exhibitors are glad to learn that Mr. Newton, who comes from the western Michigan fruit belt, will personally look after their department.

You can sit in the grandstand at the fair in Detroit, Sept. 2-11, and see vaudeville acts, circus stunts, balloon ascensions, parachute jumps, airplane daredevilry, harness horse races, livestock parade, auto races, polo, gymnastics, fireworks, sports, wild west exhibitions and other entertainment; listen to band concerts and singing, and feel every thrill known to man.

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