

The seven balloons which started from St. Louis in the national ethnical race the other day did not get very far because of light winds followed by a storm. The Goodyear won, having traveled about three hundred miles. The San Francisco, though longest in the air, made only 132 miles. That balloon, and a view of the field as the contestants were being inflated, are here shown.

### HUERTA QUILTS, CARBAJAL IS PRESIDENT



These are the Mexican federal troops that, immediately after the resignation of General Huerta, escorted to the national palace his successor, Francisco Carbajal. Inset is a portrait of the new president.

### DREADNAUGHT NEVADA AND ITS SPONSOR



View of the dreadnaught Nevada taken immediately after its launching at Quincy, Mass., and of Eleanor Ann Siebert, niece of Governor Odde of Nevada, who christened the great battleship. Eleanor is a descendant of Benjamin Stoddert, first secretary of the navy.

#### More Women Suicides.

The development of the woman's movement in Germany carries with it a remarkable increase in suicides by women. While the ratio of suicides of men remained constant during the 50 years ended with 1912, the number of women suicides increased from 8.3 per 100,000 of the woman population. While there are doubtless many causes for the increase, the most prominent is attributed to the fact

that women have gone into workshop and factory, mercantile employments and the professions, much more extensively than 20 years ago. They have shouldered larger responsibilities and have exposed themselves to greater economic and social dangers. That the cause is largely an economic one is evident from the great increase of woman suicides at Berlin, where nearly forty-eight women take their own lives to every 100 men.

#### Thief Fled TO SAFETY

The thief who was arrested at the annual coming out of the... fled to safety... the money was... the books correct to...

### MONUMENT TO MARK TWAIN



This monument to Samuel Langhorne Clemens (Mark Twain) is to be unveiled next fall in Hannibal, Mo., where his boyhood was spent. It will stand on the highest point of Riverside park and will be visible for many miles up and down the Mississippi river.

### HIGHEST FEDERAL OFFICIAL



This is the highest government official in Washington, Charles Reintzel, the guard at the top of the Washington monument. His post of duty is 550 feet above the ground and he has held this high position for 25 years. About 100,000 persons call on him in the course of each year.

#### Caution.

"John!" exclaimed the timid woman, "there's a burglar trying to get into this house!" "Are you sure?" asked the eminent British official. "Of course, I'm sure." "Then I'll dress and go down and permit myself to be interviewed. But should it prove to be one of those militant suffragettes, I shall never forgive you!"

#### Wants Dull Car Tracks.

Not content with dodging them, Alderman Churchill of Milwaukee, Wis., wants sharp "frog" and half-point switches in the street-car tracks removed, and has introduced in the common council an ordinance requiring the traction company to make its tracks properly dull. Churchill says that a sharp frog would catch him on a new tire. If there is an ordinance requiring the traction company to make its tracks properly dull, he will be able to use them against the street-car tracks.

### Owner of Automobile in Unwieldy to Trust Too Much to His Mechanics.

### NOT HARD MATTER TO MASTER

Certain Requisites, That Will Become Habit, Are the Only Things to Be Observed—Most Economical Running Speed Must Be Found.

In the not too distant past some dealers seemed to have the impression that the ignorance of the owner was the dealer's bliss. The owner can readily distinguish such a dealer or garage by familiarizing himself with details of construction and operation of the parts of the car, including the battery.

In operating the car be seated in the car before you unlock the controller or insert plug. Always be sure the controller is off before inserting the running plug or key to unlock the controller. Release the brake and keep your feet on the brake pedal. Where the controller is not supplied with a lock but merely uses a plug it is doubly important to see that the controller is off, for if it were on and the plug inserted you are liable to be taken off your guard with more or less serious consequences. Remember that while you may have left the controller off some one in your absence may have tampered with it.

Do not start too rapidly, as it not only causes excessive strain on the various parts (including tires) where made a practice, but where there are frequent stops and restarts, will considerably reduce the mileage because of the very high current required due to rapid starting. If you move the controller one point for about each 25 feet the car should start smoothly and with no undue strain.

While speaking of skidding let us stop a moment and consider it. On turning the front wheels a force is exerted to change direction of motion. The rear wheels would naturally continue in the original direction of the driving force. If the coefficient of traction between tires and road cannot resist this action the car will skid. This is aggravated by speed and weight. It is usually caused by too sharp a turn at too high a speed, or by suddenly jamming the brakes on too hard.

Practically all cars have some emergency method of cutting off power with emergency pedal or a key that can be removed to cover such emergency conditions.

On most cars having five or six controller speeds, the first two are what are known as resistance points or starting speeds. A certain amount of resistance is in the circuit to limit the flow of current and accelerate the car gradually. They are not running points, though usually the rheostats are heavy enough to carry the current for some time, and frequently in very crowded streets have to do so. Continuous running on the starting points may heat the rheostat and damage it. There is, of course, no economy in running a car on such a point, as the current required will usually be as much as the next speed where the rheostat is cut out, while the speed will be less.

Find out which is the most economical running speed and use that unless you are really in a hurry, when you may use the higher speed. Your mileage per charge will be greater and hence your current bill less, tires will last longer, too, for normal tire wear varies as the square of the speed. This to a large extent accounts for high tire costs on gas cars.



### Way to Abate Smoke Nuisance.

A great many motorists wonder why graphite used in the crank case will eliminate the smoke nuisance. The explanation is said to be that smoking is caused by an excessive amount of oil getting by the piston rings into the explosive chamber, where it is burnt. By the use of graphite mixed in small proportions in the crank case, about a teaspoonful to the gallon of oil, the graphite fills in the pores in the metal and finally places a veneer over the entire surface, increasing the compression, and by so doing preventing an excessive amount of oil getting by into the explosive chamber.

### Automobile a Necessity.

That an automobile under certain conditions must be regarded as an economic necessity, in the sense of legal statutes, is the decision of the attorney general of the state of Washington. The county commissioners of Mason county desired to buy a motor car for the transaction of official business, but no authority could be found in the state laws for the purchase and upkeep of a motor car. The attorney general, being asked for an official ruling, declared that the automobile under such conditions is an economic necessity and that the county commissioners are within their rights if they decide to purchase one for official work.

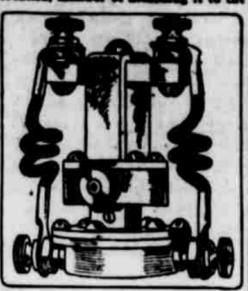
How to Pronounce "Cabriolet." Evidently the word "cabriolet" still presents difficulties to automobile salesmen and others who are not familiar with carriage lore. For this reason one manufacturer is at pains to explain how it should be pronounced, the approved phonetic formula being "cab-ri-olay."

Don't Be Stingy With... When you need two... will be more pleased with... for mud, snow or ice.

### NEW DEVICE FOR AUTOMOBILES GOES AWAY WITH DELAY.

Supplies Hot Gasoline Vapor That Will Start Any Engine, Regardless of Its Condition.

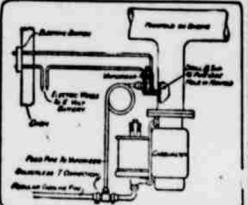
The start-up vaporizer is a patent device for supplying hot gasoline vapor for starting any gasoline engine regardless of cold gasoline, cold engine, or long stops, and is especially adapted to automobiles.



The Gasoline Vaporizer.

engine and the connections are shown in Fig. 2. A switch on the dash control both the supply of gasoline and the electric current.

In starting the engine the directions are to proceed in the ordinary way but not to open the gas throttle more than a quarter of the usual distance. Turn on the vaporized vapor, wait about ten seconds, then start the engine. As soon as the engine is running, change the throttle to the usual position and open the switch. Under



Method of Connecting the Vaporizer extremely cold weather conditions the vaporizer should be left on a little longer than at other times.—Popular Electricity.

### FOR SAFETY IN THE GARAGE

Ingenuous invention that is devised to show automatically the presence of gasoline vapor.

The need for an alarm to show the presence of gasoline vapor due to leaking pipes in garage systems has resulted in the appearance in England of an ingenious alarm, invented by Dr. A. M. Low, and utilizing the property of spongy platinum becoming heated in the presence of gasoline vapor. The general plan of the alarm is that of holding a contact open by means of a wire attached to the middle of a tightly stretched platinum wire bearing several bits of spongy platinum. On gasoline vapor coming in contact with the spongy platinum, it heats, the heat stretches the wire, the sag of which is sufficient to allow the electrical contact to close, thus ringing a bell.

In order to prevent daily temperature variations affecting the wire, however, the plan has been slightly elaborated. In order to take up the slack in such a case the upper end of the platinum wire is attached to a lever, controlled by a spring. This would keep the wire tight at all times, however, regardless of the heating of the platinum by gasoline; so a second wire is used, composed of two sections of iron and brass wire, so proportioned that the combination has the same efficiency of expansion as the platinum. The two will expand in unison with room temperature changes, while a rise in temperature of the platinum wire due to gasoline will not effect the iron-brass one, which will take the spring tension and allow the platinum wire to sag and ring the alarm.

### What Makes the Auto Go.

The automobile expert of one of the English magazines has been calculating the speeds to which various parts of the engines of cars move. Of the fifteen-horsepower motor of a car that won a recent race he says it made 2,800 revolutions a minute on the level and went much faster when descending hills. This means that the pistons made 5,600 dead stops in every minute to reverse their motion. It also means that 1,400 times a minute the induction, compression, explosion and exhaust cycles take place, and the magneto has to deliver 1,400 sparks a minute.

### Cleaning Engine Cylinders.

Peroxide of hydrogen, also called under the trade name of dioxogen, will burn out the carbon deposits in cylinders if applied properly. Squirt it into the intake manifold through a small hole near where the pipe branches and while the engine is running. This will be carried into the cylinders and the excess oxygen which it provides will burn out the accumulated carbon in a jiffy.

### British Forbid Statue.

Cairo.—Trouble is brewing here because the English-led government positively forbids the Egyptian nationalist party to erect a statue in Cairo of Mustafa Kasim Pasha, the brilliant young nationalist leader, who died in 1906. A French sculptor executed the work, but when the statue arrived the government refused a site for it in any public square or street. The nationalist party will put the monument on a ground owned by one of their leaders. Meanwhile the nationalist party has taken the government's prohibition of an "act of nationalism."

### U. P. Wins \$25,000,000 Dividend.

Albany, N. Y.—By a decision of the Court of Appeals, the Union Pacific Railroad Company is permitted to distribute dividends to holders of common stock on certain holdings to the exclusion of holders of preferred stock. Action was brought by the Equitable Life Assurance Society to enjoin the defendants from this action. The judgment of the appellate division was unanimously affirmed with costs. On January 4 last the directors of the Union Pacific declared an extra dividend of \$25,000,000.

### Kentucky Elk Father of Thirteen.

Denver.—Ben Marshall, who was among the delegates from Kentucky, representing Frankfort, Ky., lodge, No. 530 of Elks, in place of former Secretary of State H. V. McChesney, who, at the last moment, found it impossible to attend. Marshall, who is the recently appointed collector of internal revenue for the Seventh district with headquarters at Lexington, is a typical Kentuckian, standing over six feet in height. He proudly tells of his family of thirteen children, all living. He also has two married sisters, each of whom is the mother of thirteen children, and a brother who has fourteen children.

### Fatality List Decreases.

Washington.—A total decrease of 175 persons killed and 547 injured in all classes of railroad accidents was shown in the accident bulletin issued by the Interstate Commerce Commission for the quarter, ended December 31, 1913, as compared with the corresponding quarter of 1912. The report shows 1,450 collisions and 2,307 derailments for the quarter, with property damage of \$3,090,330.

### WORST HORSE IN THE WORLD.

Prizes Offered at Cheyenne Frontier Days' Celebration.

Cheyenne, Wyo.—The worst horse in the world will be identified during the Frontier days celebration which is to be held in this city, August 15th, 19th, 20th and 21st. Heretofore, at preceding Frontier days and other western celebrations, prizes have been offered for the "worst horse," but at the coming cowboy carnival at Cheyenne there will be conducted the first out-and-out contest exclusively for bad horses. In this the determination of relative degrees of equine cussedness will not be a side issue in a rough riding contest, but will be the issue-in-chief of a contest designated to identify the worst horse in the world and for no other end.

Only in the West does value attach to a bad horse, elsewhere such an animal is worse than valueless. But in the West—the land of the broncho and those dauntless riders who subjugate the outlaw strain in the broncho's temperament—the worse a horse's disposition the higher his value.

Bad buckers here attain fame that spreads through many states and "outlaws" which defy continuously and successfully all efforts to break their spirit are property of great value. Noted riders will travel hundreds of miles to try conclusions with such horses as Stetler Bay, Old Steamboat, Senator Warren, Rocking Chair, and others of their kind; thousands of dollars have been wagered on contests between such animals and cowboys who believe they possess the skill and strength to break them.

In the "worst horse" contest, owners of outlaw bronchos will enter their animals and provide riders for them. The cowboys doing the riding will be required to observe the same rules as govern the championship broncho busting contest, but judging will not be of the merits of the rider, but of the strength, cunning and wickedness of the horses. Inasmuch as it is expected that the worst horse in every state in which the broncho thrives will be entered it well may be said that the result of the contest will be identification of the worst horse in the world.

### WILL GROW COTTON IN EGYPT

Lord Kitchener Has Plans to Utilize Nearly One Million Acres—To Construct Big Barrage.

London.—It is said, on good authority, that when Lord Kitchener arrives here shortly he will bring with him details of a great irrigation scheme, which will put nearly a million Egyptian acres on the "cotton map." The plans for the construction of a barrage on the White Nile, about 37 1/2 miles above Khartoum, are now being drawn up by the Egyptian authorities.

In deciding on this work the government has been influenced by the great success of the Aswat barrage and the Eneah barrage. This vast weir will act as a necessary auxiliary to the drainage schemes in northern Egypt. Within two or three years the area in the delta will have been reclaimed, and then the new barrage will be urgently required. At present nothing but rice will grow on the swampy land. Much of this belongs to the Egyptian government, which, therefore, will benefit greatly by its drainage. From every point of view the money spent on the barrage will be an excellent investment.

It is estimated that the scheme will cost about \$4,000,000,000, and all this will be found out of revenue. The receipts under this head will be low this year, so the commencement of the barrage probably will be postponed for at least twelve months. The whole work of construction will occupy about three years.

Lord Kitchener, who has personally interviewed the leading cotton experts in Egypt, has taken a prominent part in the preparations for the successful completion of a scheme which will materially increase the prosperity of the country.

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