## The Automobile World

## **NEWEST NOTES** OF SCIENCE | ed States.

Broken ivory can be joined with a cement made by melting alum in hot standing deafness.

have been designed.

An Australian ferry utilizes a they can be used as beds. floating reinforced concrete pontoon as à landing stage.

brush with stiff bristles for cleaning cards or newspaper builetins. clotheshines.

made of steel or gold.

A Kamsan has invented a machine wall from the roll. New Zealand plans to spend direct lighting fixture.

about \$2,500,000 in the development of its water power resources. baby carriage is suspended a seat on machinery or buildings. which a small child can ride. Electric traction has been applied

to one of Spains most important mineral carrying railroads. A new hand stamp resembles

rocking blotter and presses ink from a pad through a metal stencil British geologists have estimated that more than 24,000,000 tons of

coal remain in the Welsh fields. Tiny knobs are attached to the factories that are kept busy making backs of the blades of a new knife so that they may be opened more

ing down rock in masses instead of crumbling it has been invented in

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The geological survey has est.mated that there are about 1,000,000 twoy ounces of platinum in the Unit-

When they breated a man with X-rays for an ulcer on his tongue

Driven by a 300-horsepower elec-Russia has 137 central electric sta- tric motor, a stone crusher in a tions, serving nearly 15,000,000 per- Michigan limestone lant can crush 1,250 tons or rock an hour. For the heaviest duty motor Litters for wounded used by the truck wheels carrying three tires Dutch army are made of straw and are equipped with straw blankets so

A typewriter has been invented that writes addresses on boxes or A woman is a patentee of a double packages or can be used for show

Travelling machine shops, carried on motor trucks, are being used in Tests in Europe have shown that pens made of tantaern outwear those | England to repair automobiles broken down on country roads.

An annular receptacle for holding that attaches wallpaper directly to a growing plants surrounds the source of light in a recently patented in supply.

Apparatus has been invented by an English scientist photographically

women can be removed and

the tobacco or any drug habit. Despite the increase in the use of electricity, the United tates has 25

incandescent gas mantles. A scientist in Europe has invented a method for sterilizing the ground A water power method for break- in which posts are to be set against insect, germ and fungus life.

A Californian has patented a hammer to which malls are fed from paper strips, enabling a man to nail laths at many times his usual speed. Switzerland has built its highest aerial tramway, 11/2 miles long and ascending to a altitude of nearly a mile solely for tourists.

A ring large enough to encircle two fingers and carrying a blade has been invented by an Ohio man for cutting twine as parcels are being

For sprinkling floors of buildings lawns or streets, a one-man wheeled tank has been invented from which

fon amid has reclaimed 48,0000 acres, ding it. mainly from material brought down

by rivers. recently parented, is so shaped that one. If spokes can be shaken, tight- gas from the tank. it can be used as a fire-escape by re- en the bolts on the flanges of the

Spun glass as an insulating cover- endangered by the breaking of ing for steam pipes is being tried out wheel. Europe being acid proof and lighter than all other insulating preparations.

Valves for automobile motors made of pure carbon by two Boston inventers, are claimed to be selflubricating and to be proof against the usual valve troubles. Shoes with quickly detachable

soles and heels have been invented by a Frenchman for railroad men to enable them to escape should their rupter immediately. feet be caught in tracks. A three-handed watch of French

hold open a fish's mouth to recover the stroke lapping. Very often a a swallowed hook scaling and cut- weak cylinder is not detected and tng knives being mounted on one the carburetor adjustment is chang-

Not infrequently, motorists allow

cases, nearly dry. no attention to it as long as it does parts are in line. its work, with the result that by the time it becomes inoperative the battery is very seriously harmed.

cells are not intended to be recharg- of the signal corps, and may be aded or used again, while storage bat- dressed care of Gen. Pershing. teries, by virtue of their electrochemical nature, may be used continnously throughout their life, by re- Wiffard, won the 100-mile race, charging from a source of electric which was given for the benefit of

Do not neglect to take a few spark Between the handles of a new to measure and record vibrations of plug cores with you on your trip. The The wide brim of a new hat for almost indefinitely, but the cores the mule as a motive power on the must break in time, and that usually Erie Canal will give way to motor only a narrow one, giving a woman means buying a new spark plug. As driven tugs. For 80 years the mothe appearance of owing two hats. the cores can be bought for a frac- tive power has teen in the hands of Australia has prohibited the im- tion of the cost of a new spark plug, mules and horses. With the country portation of any preparation urport- it means economy to carry a few at war, and a desire to move freight ing to be a cure for drunkenness or with you. Also carry a few extra more rapidly, and relieve the rail-

> A direct cause of rapid tire wear, particularly the rear tires, is in the misuse of the brakes. The brakes on a car should be very seldom locked. They should not be locked in wet

weather any more than in dry. When the brake is locked, those parts of the rear tires which are in contact with the ground are planed off as rapidly as though the tires were held against a piece of cutting machinery. It does not take long er cap was mislaid and the cap from for a tire to blow out after it has any length of time.

who drives to use the brakes spar- angle of the car was such that a ingly and never to drive his car rappelled to make a sudden stop.

the water is forced by compressed your tires, be sure to put it on right side up. Sometimes one finds one In about 30 years England has lost put on upside down, which will cause 6,650 acres of land through sea eros- it to hold the rain instead of shed-

A metal hatrack or clothes tree, wheels, especially if the car is an old pendicularly to spill even a drop of versing it and bringing it from a hub. If they are still loose consult this story, which was related to Roa wheelwright, as your life may be

> Occasionally the interrupter becomes loose, and it is important that the beginner should learn to set it. This trouble is shown by the fact that the engine will not start when cranked, but gives only one or two explosions. Where an engine has been running properly and the above trouble develops, inspect the inter-

In turning up a six-cylinder motor, one should be very careful to note invention tells both twelve-hour and that there is good compression in 24-hour time one hour hand being each cylinder. In a four cylinder used for each kind on separate dials, motor the sound of the exhaust will while a single minute hand does for reveal a weak cylinder. From the exhaust of a six-cylinder motor, how-Tongs kept open by a spring have ever the condition of a particular cylbeen invented to enable an angler to inder is hard to detect on account of

in the motor. In reality the cause lies in a weak cylinder.

In resetting the magneto the coupling often may be placed so as to cause the magneto shaft to be out of Paris surgeons also cured his long their storage batteries to become al- alignment. The best method is to most totally discharged and, in some note the condition of the coupling before being removed, which is done Too many motorists are apt to by slipping the thumb and forefinger treat the storage battery as they around it. The periphery should be would treat a dry-cell-they have perfectly smooth and one side should the impression that there is nothing not be higher than the other. In reto do but use the battery until it is setting the coupling clean it well and exhausted. Consequently, they pay see that the outer surfaces of the

Eddie Rickenbacher, who retired from racing late in May, has been It should be remembered that dry- appointed a sergeant in the first class

> Frank Willard, brother of Jesse the Red Cross at Dallas. Accounts state that he drove a flivver.

Under a recent edict of the New metal parts of a spark plug will last York State Legislature the horse and roads it was decided to make the

Gray-Dort Climbs Steep Hill. Some motor cars climb hills and others simply "eat 'em up." In the words of the local distributor of the Gray-Dort line of motor cars, the Gray-Dort is distinctly in this latter class. This dealer tells of some recent tests of this hill-climbing ability of the Gray-Dort that were made on hills. In filling the gasoline tank just previous to these tests the fill-

another car of large size was laid been subjected to this treatment for over the opening. One of the grades taken was so steep that just before It should be a rule with everyone the top of the hill was reached the quantity of gasoline ran out of the tank onto the floor of the car, yet the sturdy little car did not falter or miss a single explosion, but kept on over If you use an enamel cover for the top of the hill without the driver being obliged to shift from high to

second speed. This is particularly remarkable because the Gray-Dort tank, which is located in the dash, has a projecting spout of several inches, and under ordinary conditions it would be ne-Keep watch on the spokes of the cessary to place the car almost per-

Mr. Dort vouches for the truth of bert Gray, general manager of the Gray-Dort Motor Company, and was attested to by several observers who were in the car at the time.

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