

Studebaker

BIG-SIX

You can drive the BIG-SIX from two to sixty miles an hour in high, and at either extreme, its performance is smooth and seemingly without effort. A demonstration will best give you the "feel" of this wonderful speed range, and the ease with which the BIG-SIX attains it.

Ask us about the gasoline and tire mileage BIG-SIX owners are getting.

60 H. P. detachable-head motor, 128-inch wheelbase, touring car for seven adults. All Studebaker Cars are equipped with Cord Tires—another Studebaker precedent.

Built in Canada.

KINGSTON AUTO SALES CO. LTD. Cor. Brock and Montreal Sts.

In the Automobile World

Newest Notes Of Science

A new letter sealer that handles several hundred envelopes a minute has but one moving part.

In Holland a municipal gas plant is extracting illuminating gas from a peat-and coal mixture, less than 10 per cent. of them are poisonous.

A novel periscope enables an automobile driver from his seat to examine all the tires on a car.

The fibre of a species of hemp native to the Azores has been found useful in paper manufacture.

The handle of a new fly swatter is tubular and collects dead insects until they can be destroyed.

A combined table and chair for children can be folded into a space only four inches thick for storage.

Although Brazil is known to have 180 varieties of snakes, less than 10 per cent. of them are venomous.

A new figure of a horse for carousels goes through all the motions of a bucking animal as it is moved.

One Swedish railroad has found the use of paper for fuel so practical that it is planning to use it for coal.

Drinks can be quickly mixed at home with a new crank operator machine intended to be clamped to a table edge.

A nursing bottle has been patented that is made of a collapsible material which can be folded from the bottom.

To become self-supporting in wool production Japan is planning to raise 1,000,000 sheep within the next 20 years.

A native oyster grows 21 per cent. in weight in four months and a transplanted bivalve 31 per cent. in the same time.

Sheffield, 40 miles from the nearest seaport, has asked British government to build a deep waterway to the ocean.

A patent has been issued for a triple mirror that enables a person to view his ears and much of the sides of his head.

Experiments in Mexico have produced flour, starch, vinegar, textile fibres, alcohol, paper and cardboard from bananas.

From each 240 pounds of camphor chips about five and a half pounds of crystals and a pound and a half of oil are distilled.

Loops of wire that surround the gas bags vertically have been developed in Europe for fireproof auto seats for spherical balloons.

New in the electric cook stove line is one that folds for carrying in a space six inches square by two and a half inches high.

The area planted in sugar in the Philippine Islands this year is estimated at 550,000 acres, a 20 per cent. increase from last year.

About 2,430,000 short tons of gypsum were mined in the United States last year, an increase from the previous year of 373,000 tons.

By the addition of recently invented wheels and casters any rocking chair can be converted into a wheel chair in less than a minute.

The Siam government owns and operates that country's telephone system and Bangkok, the capital, is the only city having exchange.

An inventor claims to have made a farm tractor 25 per cent. more efficient than most machines of its kind by enclosing its gearing in oil.

Experiments are being tried in a German porcelain factory with a view to making fractional currency of some non-metallic, washable material.

A novel liquid soap container for shower baths is suspended by a chain and surrounded by a rubber ring to prevent it slipping from wet hands.

Of French invention is a ball that can be attached to a typewriter to sound a warning when a typist is nearing the end of a sheet of paper.

Individual folding rain shields to be attached to backs of the seats have been invented for the comfort of riders on top of omnibuses in bad weather.

Of English invention is a cigarette making machine for individual smokers which rolls the tobacco into the proper shape before it is inclosed in paper.

A bowl that has been invented to receive the product of a household food grinder without loss can be attached to a grinder to fold up over it when idle.

Sacks made of fabric woven from paper strips that are twisted with a short vegetable fibre are being successfully used for transporting ore in Chile.

Delicate recording instruments have been invented for registering the vibrations of hips in such a manner that their causes can be traced and remedied.

Loosening inaccessible nuts. The best way of loosening large and inaccessible nuts, which are sometimes found about the chassis, is to use a socket wrench of the proper size, with a big Stillson wrench to furnish the leverage. This combination will handle almost anything.

Cutting Glass Circles. It is possible to break out circles of glass, such as lenses for headlights, by making a number of straight cuts from the edge of the glass and breaking these sections out one at a time. Be careful not to cut inside the line of the circle to be cut.

Removing Sediment Bulb. When it is desired to remove the sediment bulb from a Ford gasoline tank without draining out all the contents of the tank, a half-inch spark plug will be found convenient for plugging the hole. As the sediment trap is removed have the plug ready, and it will be found that the gasoline will get away during the exchange.

A Use For Tanks. It was commonly supposed that the tanks like the submarines, would become parasites. Not so. A French official in the employ of the minister of public works harnessed one of the monsters to a snowplow and set it to experimental work in the Alpine valley of the Barcelonnette. It forged its way over a snowbound road, clearing five miles of only one gallon of gasoline per mile. As a result the French government plans to put all of the idlers to this profitable pursuit, which will pay the cost of their upkeep.

Burning Tube. To avoid burning the tube when using a gasoline vulcanizer, especially when vulcanizing in a breeze, make a collar to fit over the vulcanizer, about four inches high, from a wire gauze of several thicknesses of ordinary fly screen. It may be fastened together with a couple of rivets or a piece of wire woven through, and placed over the vulcanizer just before lighting the gasoline.

New Steel Disc Type. There is a growing tendency on the part of motorists to favor the pressed steel disk wheel, and increasing numbers of fine cars are being equipped with traction and support members of this type. The wheel used for passenger cars is a single disk type, being disked for strength. In most designs the thickness of the metal is greater at the centre than at the rim, thus proportioning the section to the strain coming upon it. A cast-steel master hub is fastened to the axle, and the steel disk is attached to this by four easily removable nuts which screw on studs in the permanent hub flange. The disc wheel is as easily removed as any other type and is stronger and more easily washed than the conventional wood or wire spoked forms.

Protect Ignition Cables. Old garden hose can be cut up and fitted on ignition cables to protect the wires from short circuits, oil, etc. Holes can be cut into the wall of the hose at the points where the wires are to lead out to the spark plugs.

Hood Dulls First. Due to the various degrees of temperature undergone by the hood of the machine, this part is first to lose its fine finish. Especially after a rain, when the water is likely to dry on the hood (due to the warmth) more rapidly than on the rest of the car, the hood should be wiped dry as soon as the car is in the garage.

Choke Return Spring. When the carburetor chokes or more, the carburetor choke is useful only in starting. If a spring such as is used on pedals or brake rods is attached from the frame handle to the dash or cow-plate during the hot weather, this control will return to normal position automatically. This not only saves gas, but tends to reduce the formation of carbon deposits.

Speedometer Gears. In changing from a normal size to an oversize tire, don't forget to change the speedometer gear. If you want to have an accurate speedometer. The rule to follow is, the number of teeth in the large speedometer gear, the one attached to the wheel, should be twice the diameter of the tire in inches. That is, a 32- by 3 1/2 tire should have a 64-tooth gear, while a 34 by 4 tire should have a gear with 68 teeth.

Keep Fan Belt Pliable. To obtain the best service from the fan belt, keep it soft and pliable by dressing it once a month with neat-foot oil. This allows the belt to cling to the pulley surface and drive the fan without slipping.

Something to Think About. On an average it takes the produce of five acres to support a horse. In the Dominion of Canada there are approximately 3,677,369 horses, which means that they consume the produce of 18,000,000 acres yearly. If this acreage were laid to wheat it would produce at a conservative estimate 90,000,000 bushels.

Clutch Riders. Are you a clutch rider? Does your foot continually rest upon the pedal controlling this important part of your car? If so, you are unconsciously wasting power and are helping to put the clutch in a condition where it will slip permanently. Spend a few minutes studying your clutch, its makeup and principles on which it works; learn how to keep it in condition, and likewise learn to keep your foot off the pedal when it is not required to be there, and you need never have any trouble from this device.

Cause of Engine Missing. Irregular missing is caused by a dirty spark plug improperly adjusted or sticking coil trembler, platinum points on the trembler burned off or pitted or dirty or loose in the spring, poor commutator contact, or grounded, broken wires or loose connections. If irregular missing is accompanied by occasional knocking a

mer that their causes can be traced and remedied.

with camels imported from the Canary Islands for agricultural purposes in regions that are not suited to horses or oxen.

A machine has been invented that makes a paper barrel every twenty seconds from a roll of paper six inches wide, which is split, gummed and automatically formed.

After research extending over 50 years, a process has been discovered for bleaching the papyrus plants of the Congo so that their fibre will be available for paper pulp.

An inventor has patented a bracelet to hold a small piece of blotting paper close to the point of a pen for the convenience of men required to write their signatures many times.

For disinfecting clothing a Frenchman has developed an airtight tank in which garments are subjected to a mixture of compressed air and chlorine or other gas, heated by electricity.

Rubber boots with peculiarly shaped cleats, into which calks can be fastened on the soles and heels have been invented by an Idaho lumberman to insure sure footing on slippery places.

With a new Norwegian electrical process for obtaining salt from sea water it is estimated that each kilowatt-year of power will produce ten tons of salt, besides useful condensed brine.

To enable motor trucks to run over soft ground a Los Angeles man has invented broad steel flanges to be attached to their wheels in such a way that they do not prevent use on hard roads.

AUTO TIPS

Frost our Headlights. A simple method to dim the headlights by frosting the glass, is by coating the inner side of the glass with a solution of Epsom salts and water. Let the solution dry on the glass, and the frosting will serve efficiently as a dimmer for several months.

How to Shift Gears. In shifting gears always remember to first use a positive stroke, "feeling" one gear into another, when the car is moving at about the speed edge of the particular gear you wish to shift to. Then force the lever home with a quick motion—and you won't be bothered with a damaged gearset for a long time.

To Clean Upholstery. The use of gasoline on leather upholstery will crack the leather. A good cleaner is plain water with a little ammonia added. Even better is a mixture of two parts linseed oil with one part of turpentine.

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IF BACK HURTS USE SALTS FOR KIDNEYS. Eat Less Meat if Kidneys Feel Like Lead or Bladder Bothers. Most folks forget that the kidneys, like the bowels, get sluggish and clogged and need a flushing occasionally, else we have backache and dull misery in the kidney region, severe headaches, rheumatic twinges, torpid liver, acid stomach, sleeplessness and all sorts of bladder disorders. You simply must keep your kidneys active and clean, and the moment you feel an ache or pain in the kidney region, get about four ounces of Jad Salts from any good drug store here, take a tablespoonful in a glass of water before breakfast for a few days and your kidneys will then act fine. This famous salt is made from the acid of grapes and lemon juice, combined with lithia, and is harmless to stomach, kidneys and stimulates them to normal activity. It also neutralizes the acids in the urine so it no longer irritates, thus ending bladder disorders. Jad Salts is harmless; inexpensive; makes a delightful effervescent lithia-water drink which everybody should take now and then to keep their kidneys clean, thus avoiding serious complications. A well-known local druggist says he sells lots of Jad Salts to folks who believe in overcoming kidney trouble while it is only trouble.

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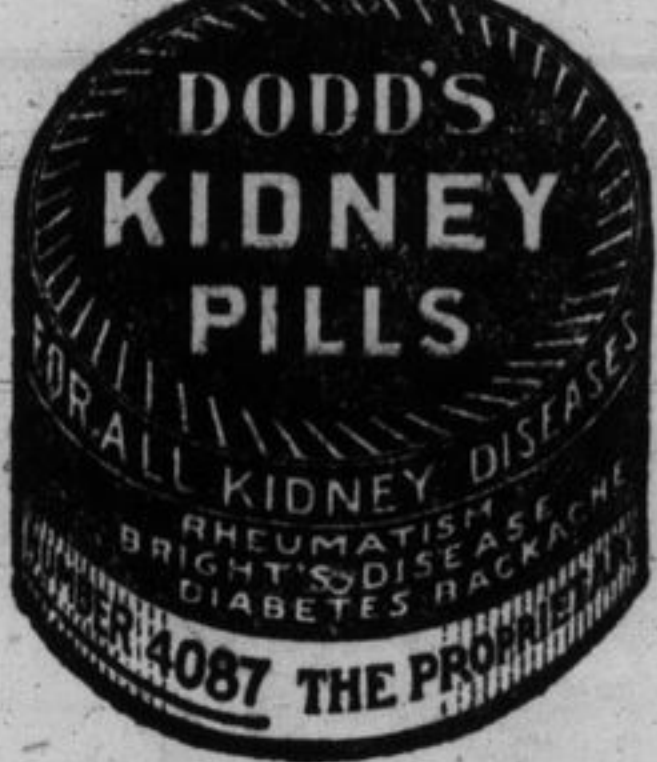
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Willard Attention Now. WILL SAVE YOU ANNOYANCE AND EXPENSE LATER ON OUR SERVICE AND ADVICE are the result of years of battery experience. We most strongly recommend great care in keeping your battery well charged while car is in use, and WINTER DRY STORAGE for it immediately when car is laid up. Our workmen are experts—our charges most reasonable. Send them to us—Kingston's only Battery Specialists. WILLARD SERVICE STATION. 19 Brock Street. Phone 1840. I. LESSES, Prop.

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The Ford Coupe is one of the most useful cars built. Its convenience is readily apparent—a roomy, yet compact body, superior riding qualities, comfort in all weather. Among its special distinction the Coupe has a distinctive appearance that makes it an outstanding car. You may purchase one on a monthly payment basis and enjoy it while you are paying for it. Ford Sales and Service. 34-38 Princess St. Phone 1609. VanLuvén Bros.



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