

ENGINE CLEANER IS LABOR SAVER

Contrivance Is Regarded as Indispensable Where Number of Cars Are Kept.

PRACTICAL FOR QUICK WORK

Owner Is Enabled to Reach All Crevices Around Carburetor and Water-Pump and Remove All Grease Deposits and Dirt.

Motorists usually pride themselves on keeping the car engine clean by giving it a bath in kerosene every so often; this is to remove the heavy grease deposits that accumulate on its exterior. To get into all the crevices, beneath the carburetor and around the



Where There Are a Number of Automobile Engines to Clean, This Contrivance Is Indispensable as Both a Time and Money-Saver.

water-pump is almost impossible, for the brush used in the operation is much too large to permit this.

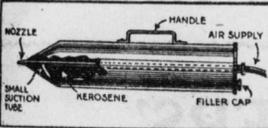
Remove Grease and Dirt.

A gasoline or kerosene spray, under air pressure, will quickly remove grease and dirt from the engine or the chassis.

The contrivance that throws this spray is shown in the illustration, being made at practically no cost, and will prove its weight in gold to the man who has much of this work to do.

Can Use Foot Pump.

A tank holds the liquid, and an aspirator is used for forming the spray. The aspirator is nothing more than a copper pipe which passes through the center of the tank, one end being connected to the air pressure line, and the other end being drawn down into



As Shown by the Diagram, the Cleaner Is Extremely Easy and Simple to Make.

A nozzle. A small copper tube connects this pipe, so that the cleaning solution is drawn from the tank and forced into a spray by the passing air. A foot pump can be used to inject air if no other pressure is available.

The foregoing proves that this cleaner is practical for quick work in either the public or home garage. It can be stowed away when not in use.—R. L. Prindle, in Popular Science Monthly.

SOME AUTOMOBILE DON'TS.

- Don't drive fast around turns or over rough roads.
- Don't apply brakes suddenly except in cases of emergency.
- Don't attempt to shift into reverse gear when going ahead.
- Don't allow your clutch to engage suddenly.
- Don't drive on crowded thoroughfares until you thoroughly master the operation and driving of your car.
- Don't attempt to start motor with any of the transmission gears in mesh. Have gear shift lever in neutral.
- Don't leave your ignition switch "on" when motor is not running.
- Don't tamper with your carburetor unless you know it is out of adjustment, and not even then unless you know just what you are doing.

AVOID GRITTY SUBSTANCES

Dust Reflectors With Feather Duster or Soft Cotton Cloth—Wipe With Grain Alcohol.

To guard against gritty substances dust the reflectors carefully with a small feather duster or with soft cotton. Wet a piece of absorbent cotton with grain alcohol, if such can be procured, and wipe the reflector from the bulb socket outward and dry with a clean piece of dry cotton.

IN DESCENDING STEEP HILLS

If Brakes Are Applied So Hard That Wheels Cannot Turn Machine Is Very Apt to Skid.

In descending long, steep hills, if the brakes are applied so that the wheels cannot turn the car is apt to skid in a most precarious manner. Under such conditions tire chains with cross chains on every link and a transmission brake form the best method of descent.

AUTOMOBILE GOSSIP

If oil is running out at the ends of the rear axle onto your brake bands the chances are that the oil level is too high.

The car owner should not forget that ordinary vaseline is perhaps the best medium available for coating battery terminals and connectors.

Drive using the lower gears. Shifting of the gears readily shows a good driver and at the same time often prevents stalling the engine in a dangerous place.

Broken flywheel teeth can be replaced by drilling and tapping a hole where the tooth has been lost and screwing into this opening a short steel peg as hard as can be filed.

A cause of engine noise sometimes not suspected is the slapping of worn pistons, which, of course, is likely to occur only when the engine has been run a long time and the cylinders are worn.

Any type of tire will be injured by abuse. Riding on a soft or flat tire, dented and irregular rims, excessive loads, the fillers and stiff reliners are the common causes for cutting and breaking above the beads.

LODGEMEN HOLD MEMORIAL SERVICES

(Continued from first page)

true knight knows that there are battles to fight in days of peace as well as in time of war. He will set his face against dishonesty in politics; against thieves and liars; against those who exploit the poor and needy or conspire against the rights and liberties of their fellow men. No matter what the wrong may be, your true knight, having the real spirit of chivalry in his heart, will be in the forefront of the battle.

It is the old fight that began back in Eden and has gone on, battle after battle, even to the moment in which we are now living; and every man serving his fellows is a soldier on the right side.

Knighthood is still in flower wherever a man is trying to put light in the place of darkness and make the place in which he lives a better and more wholesome place in which to live.

Often evil prevails because the forces of evil are organized, have a definite program, and know exactly what they want to do. On the other hand the forces which should be waging the battles of peace are disorganized, are not sure what they want, and not very interested in getting even what they think they want. If you are going to fight effectively for anything, no matter what it may be, one of the essential conditions of success is union. And that means that the people who have a preference for light and right if ever they are to accomplish anything in the way of reformation and betterment must get together.

Here it is that our organization in this town or in any other can be of the utmost value to the community. The town is very like a great office building. It should be kept clean, it must have good light and air, its sanitation should be excellent and there must be good transportation. In addition to all this it should be an attractive place to live in—a place of flowers and fountains which shall be at once a pleasure to the eye and a satisfaction to the mind. All this is very properly the work of the modern knight. Any town that has a body of its men banded together in a lodge like this can have these things if only the ideals of the order are earnestly carried out in practice. The knights of old had for their object the protection of the Holy City, but to our twentieth century thought every city is a holy city and it is for us to see that our ideals are carried out into reality.

The supreme test of an effective membership is a good strong hatred of evil, and every man or brother, heart and soul, joined in the common cause of making the community better. How shall this be brought about? How shall the lodge become more effective and useful? It is plain that the beginning will be made just as soon as you and I begin to translate our ideals into reality. And the lodge will be a power in the community just in proportion as we make our ideals real in our own lives and help the men and women of our acquaintance to become more knightly. In other words, as we become more enthusiastic, more zealous for good works; more faithful in the service of those who need us, we shall be making realities out of our ideals.

It is idle to hope for any real uplift of any community except that uplift begin with individuals. In any place where one man cares there is hope for better things, for a good example is contagious and God makes great use of minorities. A good cause begins in the heart of one and presently he has followers.

The knights whom we remember today were good knights in proportion as the ideals of the order were carried out into realities in their individual lives, and we best honor their memory by making the ideals of the order real among ourselves and in our relations to all men. To make our good town a better and cleaner town; to make it a place of equal opportunity and justice; a place where the privileged shares with the unprivileged and the adversity of one is felt to be the adversity of all—that is the purpose of true knighthood and it must begin with ourselves, each for himself and so for all.

SUMMONS FOR PUBLICATION

In the Superior Court of the state of Washington, in and for Whitman county.

Robert F. Jackson, plaintiff, vs. "John Doe" Johnson, husband of Margaret A. Johnson, and "also all other persons or parties unknown claiming any right, title, estate, lien, or interest in the real estate described in the complaint herein," defendants.

The State of Washington to the said "John Doe" Johnson, husband of Margaret A. Johnson, and "also all other persons or parties unknown claiming any right, title, estate, lien, or interest in the real estate described in the complaint," defendants.

You are hereby summoned to appear within sixty days after the date of the first publication of this summons, to-wit: within sixty days after the 14th day of May, 1920, and defend the above entitled action in the above entitled court, and answer the complaint of the plaintiff, and serve a copy of your answer upon the undersigned attorneys for plaintiff, at their office below stated, and in case of your failure to do so, judgment will be rendered against you according to the demand of the complaint, which has been filed with the Clerk of said court.

The object of the action is to quiet plaintiff's title in and to lot three (3) in Block seventy-one (71) in Daw's Second Addition to Pullman, Whitman County, Washington, according to the recorded plat thereof. Except a strip 10 feet wide off the

west end of said lot reserved for and intended for a part of Side Street, and to forever debar defendants from asserting any claim, lien or interest whatever in or to said property adverse to plaintiff, his heirs or assigns.

NEILL & SANGER, Attorneys for Plaintiff. P. O. Address, Pullman, Whitman County, Washington. may14jun25



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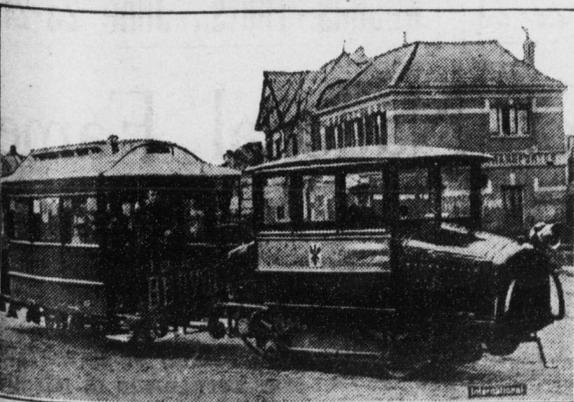
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AUTOMOBILES NOW HAUL TROLLEY CARS



The photograph shows an automobile put to a new use in the city of Apeldoorn, Holland. The car has been converted into a "locomotive" for the purpose of hauling one, two, or more trolleys through the city's avenues. The trolleys were previously horsedrawn, and many of the townsfolk preferred walking to riding. Today the trams are well filled during business hours.

VIBRATION IS QUITE INJURIOUS

Small Iron Bracket Should Be Installed to Prevent Flange From Breaking.

In fitting a new carburetor be sure that there is no looseness to cause vibration, because if there is a broken flange will be the inevitable result. If vibration is present a small iron bracket should be installed from a nut on the engine frame to the instrument to steady it, also taking the strain off the intake pipe.

A car should always be started in low gear. Open the throttle a little and pick up to five or six miles an hour.

A good grease, mixed in the right proportion with selected flake graphite, forms the best lubricant for bearings.

Many car owners are finding that oil cups may be substituted for the grease cups commonly used in many locations on the chassis, with eminently satisfactory results.