GASOLINE FIRES

Experienced Man Knows What to Do and Jumps Immediately for Some Preventive.

HAVE SMALL EXTINGUISHER

Large Chemical Devices Are Too Bulky and Cannot Be Laid in Any Position-Start Work of Extinguishing in Drip Pan.

When gasoline takes fire it is a serious matter, but the most dangerous

reasoning fear of gasoline that he as the square of its velocity. Just few fires will leave one completely rough handling of an automobile can unnerved for a time, but after a little best be explained by a few examples experience in fighting them panic dis- cited by a well-known engineer. appears and self-control is gained. This does not mean that one should delay or move any more slowly, but should know what to do quickly. Small Extinguisher Is Best.

first burst of flames come from the times. If one bullet has twice the carburetor. The experienced man speed of another bullet of similar jumps for the nearest preventive. At shape and weight it will penetrate a should be carried on every car. The drop a weight out of a first-story winlarge chemical devices are too bulky and cannot be laid in any position, in its fall, but you will have to carry be stored away in a small space. The out of the fourth-story window in or-best place is beneath the hood on the curburetor side. This is where the time it strikes the ground. If an obfire starts and may be reached by ject falls from a ninth-story window raising the hood. Some carry them on the running board, but this is obectionable on account of theft liability. If placed under the seat or se, the first story, but the blow will be cured by a lock they are not readily nine times as violent. And, similarly, placed in service, and the machine may be badly damaged meanwhile.

Always turn off the gasoline at the tank to stop feeding the flames. Ordinarily there is not more than two mces in any float chamber, and this lly harmed. It is also well to use the creased velocity must be reckoned will draw flames into the manifold, trains running eighty or ninety miles Quite often the whole fire may be ex- an hour have not proved a practical tinguished if this is done in time.

Begin at the Bottom. mesh to move to another position. disadvantage with respect to the sur-Sand is good if available, but never face over which it travels. In comthrow sand on the carburctor or any parison with the steel rails, the avother part of the machine. It falls crage road is literally a series of hills away, leaving gasoline free to burn, and valleys. and also gets into the mechanism, do ing incalculable harm. On a flat sur- FILLING BATTERY TOO FULL face sand is excellent, or any other many a home where gasoline has been used carelessly. The old method of covering the fire with a rug or carpet is good, but the extinguisher is bet-This covers the fluid with a lay- bad as not putting any water into it er of heavy noninflammable gas which at all.

fire is dangerous, but if the above tery due to long sustained or rapid stopped at the source.

ONE WHEEL BECOMES LOCKED

Trouble Is Due to Fact That There Is Too Much Play in Brake Linkage-How to Remedy.

The owner who is not diligent and neglects the parts he does not see or which do not give trouble usually may trolyte caused by rough driving or find some time that upon starting one rapid charging. of the wheels becomes locked, even though the brake pedal and lever are This is due to the fact that there is so much play in the brake lever is released it merely takes up the play, leaving the unlubricated mechanism set in holding position. This happened recently, and a hammer had to be used to loosen the brake mechanism. If you should have fuel feed trouble which you cannot explain it may be caused by pieces of solder in the gas tank.

PNEUMATIC TIRES ARE BEST

Reduction in Wear and Tear on Trucks and Greater Speed Are Among Advantages.

A trip over the Lincoln highway from New York to Philadelphia provides many surprises to touring motorists in the multiplicity of big rubber-tired freighters that ply constantly between these two cities, haul- Old Drain Pipe on Garage Floor Caring every conceivable kind of mer-chandise. Motor trucking companies Motor trucking companies are springing up almost daily, offer efficient service, which not only helps to relieve the rallroads of a portion of their heavy burden, but also offers quicker transportation, in that all terminal delays, so common to railroads, are avoided. At first these heavy-duty trucks were contages of big cord tires have led any truck owners to equip their hters with pueumatic tires. The rent reduction in wear and tear on the trucks and the greater speed per-mitted are among the advantages that are to be gained.

LOOK BEFORE YOU CROSS.

TOP SPEED HARD CAUSE OF PANIC ON AUTOMOBILES

Rushing Car Over Rough Roads Means More Than Inconvenience of Occupants.

SOME EXAMPLES ARE CITED

Rubber-Shod Wheels Absorb Small Shocks and Deaden Larger Ones-Sledge-Hammer Blows Are Most Destructive.

Hammering a car at top speed over accessory to a fire is the one you least rough roads involves more than inexpect, namely, panic, writes William convenience to the occupants. There H. Stewart, Jr., in New York Times. is a law of physics which reads that The average person has such an unthe energy of a moving body varies s his head completely. The first what this means in relation to the

Examples of Velocity.

"Double the speed of a projectile and its capacity for delivering a blow is multiplied by four. Triple the The novice stands against as the speed and the energy is increased nine one small fire extinguisher target four times as deep. If you dow it will develop a certain velocity it up three more stories and drop it it will be traveling when it strikes the ground at a rate of speed only three times as great as if it fell from if the speed of a car is increased from ten to thirty miles an hour, each ir regularity in the road will strike a blow nine times as violent as before.

Reckon Increased Velocity.

Engineering problems, which are will not last long. All the parts about simple when low speed is involved, bethe carburetor are metal and not cas- come enormously difficult when an inself-starter to turn the engine. This with. This is the reason railroad

While the automobile has the ad-So remember, always start at the vantage over the locomotive in that bottom and work upward. If there its wheels are shod with rubber which a flame on the ground beneath the absorbs small shocks and deadens use the self-starter with gears in larger ones, it is at a much greater

dry powder. Even flour has saved As Bad as Not Putting in Any Water, as Overflow Runs Into Bottom, Eating It Out. Filling your battery too full is as

When the cells are too full, rough Everyone knows that any kind of a riding or a rapid charging of the bat-

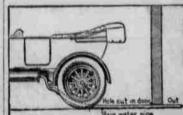
suggestions are employed under self- driving forces the electrolyte to overcontrol the fiames starting from a flow and run down into the bottom of carburetor backfire will be efficiently the battery box. It is only a short time until the acid fluid will eat the the averages are 15 cents for wheat bottom out. The motorist should keep in mind that while it is pure distilled water

he puts into the cells, it is not water, but diluted acid that overflows. This acid will corrode both wood and steel. In filling the battery cover the plates with about a half inch of water. More than this is unnecessary. This depth will allow for the movement of elec-

PIPE EXHAUST FROM GARAGE

linkage that when the hand brake Old Drain Pipe Is Used for Purpose of Carrying Off Unpleasant or Dangerous Fumes.

Asphyxia caused many deaths in garages before it became generally known that a garage must be well ventilated and the doors left open if the automobile engine is kept running any length of time, writes P. P. Avery in Popular Science Monthly. One owner

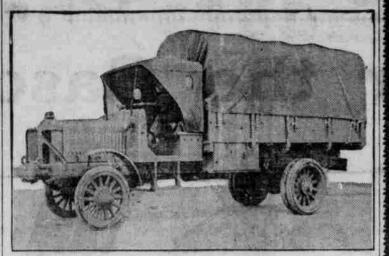


ries Off Poisonous Gases From Auto-

of a private garage avoided the necessity of keeping the doors open by piping the exhaust outside, as shown in the Illustration. An old drain pipe was used for the purpose. It was con-nected in such a way that when the automobile was backed into the garage the end of the exhaust pipe entered the end of the drain pipe. This led down to the floor, where a long piece ran through the wall to the outside and carried all uppleasant or dangerous fumes to the outside, leaving the interior free from the poisonou carbon monoxide gas.

Atlantic states, 38 cents; the South Atlantic states, 39 cents; and, high-TRAINS HAVE RIGHT-OF-WAYS. BETTER SAFE THAN SOREY.

FARMERS IN FAVOR OF RURAL EXPRESS AND WANT IT PERMANENT INSTITUTION



New Successful Standardized Truck B-One of the Type That Is Solving the Transportation Problem

A counterpart to the many comis trying to stimulate to success, writes sits fast in the saddle, and until it less except as fodder for pigs. can be rooted out difficulties will be en-

Demand of Farmer. S. V. Norton, a member of the Ohio demands-and is entitled to-as many assurances as the allies seek from Ger-

The farmer's position, Mr. Norton ays, is both sensible and logical.

These conditions he insists on: Definite assurance that produce he ends will be sold.

Reliable agents to sell it for him.

"The farmer," says Mr. Norton, "beplex problems that will face allied and lieves, in the first place, that the mar-American statesmen when ultimate ket is overcrowded already. He does peace comes is the rural motor ex- not want to engage in competition ress movement that the government | that will find him at a disadvantage. "Then, again, he says: 'If I co-

Walter A. Bermingham in Chicago operate, who is going to sell it for Evening Post. That traditional sus- me? Furthermore, he wants assurpicion that the countryman is the log- ance that his stuff will be sold and not ical quarry of the "city feller" still turned back to him, wilted and use Big Questions to Answer.

"These are big questions and must be answered to the full satisfaction of the farmer. It is but natural that state commission appointed to push all the farmer wants to continue to be truck movements, says that the farmer his own salesman until convinced that dependable capital can do more for him and permit him to devote more time to his farm."

Mr. Norton said that the truck horinon is full of prospects that large and dependable capital is at work planning to take advantage of them, and that solution of the farmer problem is not far distant.

est of all, the Rocky Mountain states,

In motortruck hauling the order of

the different divisions of the country

begins with 9 cents a ton-mile for wheat in 1918 in the East North Cen-

tral, 10 cents in the East South Cen-

cents in the Rocky Mountain states.

Trailers Often Used.

with 42 cents a ton-mile.

BIG ADVANTAGES

Longer Hauls at Less Cost Disclosed in Reports to Bureau of Crop Estimates.

DUE TO GREATER EFFICIENCY

Made-Over Passenger Cars and Trailers Are Used by Farmers in Various Parts of United States for Hauling Grops.

(Prepared by the United States Depart-ment of Agriculture.)

Motortruck hauls in 1918 from farm to shipping point averaged 11.3 miles, while wagon hauls averaged 9 miles; and a motortruck made 3.4 round

ton a mile for wheat, 33 cents for 39 bushels, and the motortruck load of corn, and 48 cents for cotton; for 1918 was 58 bushels. The cotton load hauling in motortrucks or by tractors for 1906 and 1918 for wagons was 3.4 or corn and 18 cents a ton-mile for cotton. These figures are based on re-

Loading Produce Into a Motortruck.

ports made by correspondents of the

bureau of crop estimates of the United

Motor Cost Declines.

A similar inquiry in 1906 showed an

average for wagons of 19 cents per

wagon costs were naturally higher,

since prices and wages have increased,

but motortruck costs were much low

of 1918, due to greater efficiency of the

The cost of wagon hauling a ton-mile

for wheat among the geographic divi-sions in 1918 was lowest in the Pacific

states, 22 cents. Above this, in order,

are the North Central states east of

States department of agriculture.

and 3.6 bales, respectively, and for motortrucks 6.6 bales in 1918,

Governors of Each State Asked to Co-Operate in Movement for Tree Planting.

Motor highways to be marked with memorial trees for the soldier dead is the plan being urged by the American Forestry association as a suitable way to mark the memory of the heroes of the war. P. S. Ridsdale, secretary of the association, says that the plan is country-wide proportions. The General Federation of Women's Clubs has taken up the suggestion for the Lincoin highway.

"A Victory oak or a Victory elm would certainly be the most appropriate way to remember our soldier dead," said Charles Lathrop Pack, the president of the American Forestry association. "The motor has played a big part ties and value of forestry."

A letter has been sent to the goverton-mile for hauling corn or wheat, nor and 27 cents for cotton. In 1918 tion. nor of each state asking his co-opera-

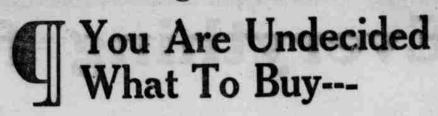
KEEP OIL FROM AUTO TIRES

Where Cars Are Kept in Private Garages Box of Sawdust Will Catch All Drippings.

Motorists who keep their cars in a private garage should keep a box filled with sawdust on the floor in such the Mississippi river, with 26 cents; the West North Central States, 29 cents; the West South Central, 32 cents; the East South Central, 36 cents; New Eugland and the Middle pings from the mud pan and oil reservoir. If allowed to drip on the floor it quickly spreads, and the tires come in contact with it. The effect of oil on rubber is too well known to require explanation.

REEP YOUR EYE ON THE ROAD.

You Are Going to Buy a New Tire



We appreciate your position in the matter. Too many makes of tires and too Many claims made for them.

Republic Tires---

Are made by one of the largest tire manufacturers in the world \$20,000,000.00 corporation. Every Republic tire uses Prodium Process rubber known and used only by the Republic.

Every Republic Tire---

If returned for adjustment, and proves defective is settled on a 5000-mile basis. Republic tires are adjusted by us right here in Salem. The above facts should decide for you what to buy. If you have never used Republic tires, eventually you will. If you are using Republics your mind is already made up for you will continue to use them.

SALEM AUTOMOBILE CO.

A. I. EOFF

246 State Street. F. G. DELANO

NO RECENT CROP RECORDS ISSUED

tral, 14 cents in New England, the Middle Atlantic, and the West North Central, 15 cents in the West South Seven Years Old. City And Central, 17 cents in the Pacific, 18 County About As Slow. cents in the South Atlantic, and 29

If the farmer or fruit raiser should The motortrucks generally in use by farmers are not large trucks, but happen to feel disposed to acquire that way. In North Dakota and California, as well as other states, tractors,

for the preliminary statement which reads: "This bulletin is based on ineach drawing several wagons, are used for hauling grain. Traffers are also formation secured from the analysis of used, especially in the West, with the year 1912 business, based on 212 trips per day over its longer route of 11.3 miles, while wagons made 1.2 round trips per day over the 9-mile distance.

The estimated cost of hauling in wagons from farm to shipping point averaged in 1918 about 30 cents a round trips and the motortruck load in the average wagon loads of 1906 and 1918 were averaged in 1918 about 30 cents a round trips per day over the 9-mile the average wagon load of wheat was a shortage in berries on account ties, Oregon, and a general farms in Marion and Polk counties, Oregon, and a general farm as in Marion and Polk counties, Oregon, and a general farm practice, oregon, and a general farm practice, oregon, and a general farm as a shortage in berries on account ties, Oregon, and a general farm practice, oregon, and a general farm in Marion and Polk counties, Oregon, and a general farm sin Marion and Pol

whether farming really cays. om one section he will read 'he collowing: Reviewing the crop of 1918 Mr. Paul"Between 1850 Ltd 1860 most of the us figures things about us follows: were brought under cultivation. Even but the prices were most satisfactory, wheat crop of 10,000 bushels."

The goaseberry crop was only fair but the prices were most satisfactory, running from 3 to 3½ cents. prairie lands in the Willamette valley

wheat crop of 10,000 bushels."

Now it the prospective farmer wants to know so actl. ng about soll in the valley, the bulletin is there with the following information: "The 212 tarms which constitute the basis of this study are located on two distinct types of soil, Salem silt loam and Salem clay. The Salem silt loam is locally known as valley or prairie soil. The Salem brought extra high prices. The season was too dry and the crop was cut short. There was a good demand and the price ran as high as from 5 to 6 cents.

Loganberries brought extra high prices. The season was too dry and the crop was cut short. There was a good demand and the price ran as high as from 5 to 6 cents.

Loganberries brought extra high prices. The season was too dry and the crop was cut short. There was a good demand and the price ran as high as from 5 to 6 cents.

Loganberries brought extra high prices. The season was too dry and the crop was cut short. There was a good demand and the price ran as high as from 5 to 6 cents.

Loganberries brought extra high prices. The season was too dry and the crop was cut short. There was a good demand and the price ran as high as from 5 to 6 cents. MEMORIAL TREES FOR DEAD as valley or prairie soil. The Salem But the crop was well picked and paid, light five-passenger car. The table clay type is locally known as red hill The high prices of five cents was paid consists of two nearly square boards, of the agricultural department who disof the agricultural department who dis-covered that hills are on either side of Cheries appeared at first to be a being taken up by many cities and the valley and who so solemnly records short crop but everything turned out shown, writes G. A. Luers of Washingtowns and the movement is assuming the fact, was probably in the civil ser most satisfactory. Competition brought ton, D. C., in Popular Mechanics. At

in the war and it would be a very fine thing for the highway associations to take up this plan. Wood, too, has played a big part in the war and our stocks must be replenished. If each stocks must be replenished. If each the clay farms." There you have it. or what such tracts have been produc state will co-operate in this movement a living agelong lesson can be taught the coming generations as to the beautheat the department of agriculture thought the department of agriculture thought and that will tell the story of the lo-

tion for those interested.

BUMPER CROP IN PEARS AND PRUNES

Government Information Is Berry And Fruit Men On Easy Street In Willamette Valley Mortgages Paid off.

by farmers are not large trucks, but small ones whose nominal capacity is usually one to two tons. In quite a number of counties throughout the country the trucks used for hauling are made-over passenger cars. In some cases light wagons are attached as trailers to ordinary passenger cars and produce is taken to market in that way. In North Dakota and Call. Robert C. Paulus, manager of the Su This bulletin was issued July 27, valley. Therefore, being in the fruit 1918, which would seem encouraging and berry business, he is glad he is

most prosperous fruit years ever known in the valley and that although there

The hill soil is on rolling hills on for jam and jelly purposes. A few who

vice and his job was good for a life the price as high as 71/2 to 8 cents. The the rear of the upper edge of the front As to whether the clay or silt loam farms were the better, this report of things previous to 1912—which would be very little benefit to the purchaser in 1919—contains the following: "It will be seen that the 68 clay farms averaged 85 agrees larger and had a real cornect \$5 agrees larger and \$5 agrees larger and \$5 agrees lar oraged 85 acres larger and had a real from 6 to 7½ cents a pound. Most of estate value of \$23 per acre less than the crop was barrelled and shipped east the silt long farms. There was 2.4 per under refrigeration for the manufac-

about it seven years ago. Of all the ganberry industry. None that will tell wonderful changes that have been made of the value of an Evergreen berry in the valley during these seven years, tract. None that gives the eastern the department uss no official bulletin, farmer looking for a mild climate any or at least has ant none for distrubu- information as to what a ten or twenty while the government is seven years

And notwithstanding this lack of ad-

behind in giving information as to what vertising and publicity, real estate menis going on in the Willamette valley, are unanimors in saying that prices it may be said that neither Marion coun have stiffened remarkably during the try nor the Salem Commercial club is past six months. That they have more as to the radical changes that have property of all kinds. And there is a been going on in the valley.

If an itnerested person applies to the lamette valley is coming into its own Salem Commercial club for pamphlets within the next few years, notwithstand as to present opportunities and as to ing the department of agriculture is what can be raised in the valley, the latest pamphlet the club can send is reports of the valley and that no effect is such about five years ago. There fort has been made by Marion county is no up to date nor up to the minute or the city of Salem to let the world literature published that would give a leave that the Willey and that world give a leave that the Willey and the world give a leave that the Willey and the world give a leave that the Willey and the sale world give a leave that the Willey and the sale world give a leave that the Willey and the sale world give a leave that the Willey and the sale was the world give a leave that the Willey and the sale was the world give a leave that the world give the world literature published that would give a know that the Willamette valley and man back east any idea as to what land especially that adjacent to Salem, is ean be bought for in Marion county, God's country and that it has the finner what fruit tracts are selling art est climate in the whole United States.

in the Willamette valley, Mr. Paului says. They grow wild here but in other states cultivation is profitable.

Speaking of berries, Mr. Paulus says

that Salem puts up more berries than the famous Payallup section, generally recognized as the berry section of the northwest. Now Salem takes the honor of being the center.

The pear erop was the largest ever known in the valley. The price to can-aries was \$40 a ton for No. 1 and \$20 a ton for No. 2. However, the Salem Fruit union netted its growers \$48 a ton for No. 1 and \$24 a ton for No. 2.

The apple crop wis medium. The quality was good and prices the highest ever received for the Wilamete valley product. In fact, the apples sold by the Salem Fruit union brought prices f. o. b. Salem equal to that of the famous Hood River apple and other advertised brands.

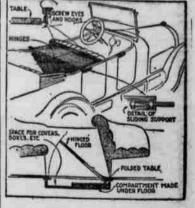
The record breaker of the year, be sides pears, was the prune crop. price set by the federal food administration was satisfactory. The quality was the finest ever known in the valley. As a result of bumper crops and fair prices, hundreds of mortgages were paid off on prune tracts. Many growers received as high as from \$300 to \$400 an acre for their prunes, netting them from \$150 to \$200 an acre.

As for 1919, he says that on account EXTRA COMPARTMENT PUT IN AUTOMOBILE

Ingenious Method of Stowing Away Luncheon Equipment.

Table Is Handy Feature and When Eating in Car Insects and Other Annoyances Are Avoided-Place for Other Materials.

An ingenious method of construction and manner of stowing a folding table, and other details of lunchean equipment, is used by the owner of a light five-passenger car. The table secured together by two strap hinges either side of the valcy." The employe dried their berries, even received more on the under side. Two metal slides and two screw hooks are provided for setting it up in the rear of the car, as



Details and Arrangement of Folding

seat, two screw eyes are secured. A eather strap through them serves as I robe rack. The hooks on the edge of the table are placed through these screw eyes, and the slides are extending much better to give information inquiries than ever for fruit tracts and id, resting on the doors. The slides ire wooden strips set in sheet-metal straps, fastened to the under side of

> Under the rear floor of the car is a shallow container, and the floor)oards have been cut out and fastened ogether to form a cover. The compartment accommodates the table when folded, and also other materials. The preference for eating in the car trose because of insects and other antoyances, when the luncheon is spread ipon the ground.