

# THE AUTOMOBILE

## FIRST AID FOR SUMMER ILLS.

The human system tends to react unfavorably to certain conditions that obtain especially in the summer. For instance, children eat green apples and get a stomach ache. The automobile also falls heir to certain summer complaints.

There is the engine, which is apt to become overheated during the hot weather months. Driving the machine at high speed with the spark retarded is one way an engine becomes overheated in summer. This is easily remedied. Chronic overheating of the engine may be traced to sediment in radiator which restricts the free radiation of the heat. This complaint can usually be adjusted by the use of a saturated solution of washing soda and water. Fill the cooling system with a solution of this sort, run the engine for several hours, drain it off and refill the system with clean water.

Fan belts are more apt to get out of order during the heated term. This may be a result of grease thrown by the engine.

Particular care must be taken in summer to keep the radiator well filled with water, so that the cooling system will operate at its best. Keep the radiator free from oil so that the outside passages will not collect dust. If this is not done a free flow of air will be prevented and the radiating surface will be cut off.

Keep the engine free from carbon and the valve push rods closely adjusted; have the gasoline mixture as lean as possible; in some cases use a little heavier oil, and see that the exhaust from the muffler is free. Then this auto summer complaint known as engine trouble is likely to be avoided.

Tires are more apt to blow out in summer than in winter. Considerable heat is generated by rolling a tire over the ground. This heat expands the air in the tire and increases the pressure. In cold weather this heat is largely absorbed by the cold atmosphere, but not so in summer.

The carburetor needs a little extra attention in the summer time. It will be found often that a little less gasoline will be required.

as before, again using the same edge and end; compare the two measurements and note the mean—they will vary if wheels have even the slightest wobble. Now turn the board, pointing it toward the rear, and repeat the above at both sides of car and at half turn positions (always using same edge and end of board) and the mean of these two measurements should be the same as that found for the front end. If not approximately so, the whole rear axle construction is probably distorted, and should be examined and attended to by experienced mechanics.

On the majority of cars the front wheels have "undergather." That is, they are closer together where they touch the ground than at their upper edges, and where that is the case they should also have "foregather." That is, they should be nearer together (about one-quarter inch) at their front than at their rear edges. Just why this is done is outside the scope of these notes, but the foregather must be as nearly correct as possible if tire life is to be considered.

Jack up each in turn and spin to test for wobble. With board held at front wheels as given above for the rear, turn steering wheel slightly to right or left until the distance from board to rear wheels is the same on both sides of the car. The wheels are now set true for going straight ahead. Now set board on front wheels exactly as already described for rear ones, marking on the ground and measuring at both front and rear of car. If ten feet is the length of the board from centre of wheel to where it touches the ground, about twenty feet will of course separate the front and rear wheels, and the distance, in such case, between the rear marks should be about one and three-quarters to two inches greater than that at the front end. If correct, adjust by lengthening or shortening the tie rod (that rod connecting the swivel arms of the wheels across the car).

## ALL SAID AND DONE.

The speedometer said sixty miles an hour.

The constable said it was ninety.

The mafiosi said it was a crime.

He said it was the life.

His friends said it with flowers.

## WATCH YOUR TREAD.

First, see that your wheels are rolling true and keep them so. The tire on a wheel that is intermittently or continuously trying to run in a different direction from that of the car is slipping more or less, thereby causing unnecessary wear.

Rear wheels are out of line intermittently if they wobble. To test for this, jack up each one separately, carefully blocking the other three, run engine as slowly as possible with low gear in, and watch the wheel. If it wobbles as a whole (hub included) the axle is bent, and should be taken out and straightened at once; but if hub revolves evenly and only the rim wobbles, then the wheel itself is distorted and must be re-trued. The cost of such re-truing or new wheels will soon be repaid by the resulting increased tire and gasoline mileage.

Rear wheels which do not wobble are seldom out of line with each other, but if the car has been in collision, or traversed extremely rough roads it would be well to test for this as follows: Take a fairly stiff and straight board long enough to extend from the rear part of rear wheel to beyond the front of car. Hold one edge, at one end, against a rear wheel tire, touching both front and rear part of it and as near the centre of wheel as possible, the board pointing forward (having, if necessary, been cut away to clear front wheel) and touching the ground at that end. Get a friend to mark the ground where the edge touches it.

Do the same at the other side of the car, being careful to use same edge and end of board. Now measure between the marks thus made and note. Push car back (or forward) one-half turn of rear wheels and repeat on each side.

Why He's Mad

"Do you believe the soul of Tui-ank-Amen has become wrathful?"

"Sure! Who doesn't feel irritable at moving time?"

The White Negro.

The principal medical officer at the Government Hospital, Port Said, Dr. H. E. S. Stiven, gives an account in the *Lancet* of a perfectly white Negro whom he treated.

"His father and mother are typical black Sudanese," writes Dr. Stiven. "No relatives of his mother were abnormally colored, and his father, by another wife, had all black children."

"His eyes are hazel brown, hair on head and body fair flaxen color, and his skin perfectly white all over the body, but of a curious thick texture. He had a sister and a brother, both dead, who were white like himself."

Summer Sun.

O summer sun, O moving trees!  
O cheerful human noise, O busy glittering street.

What hour shall fate in all the future find?

Or what delights, ever to equal these;  
Only to taste the warmth, the light, the wind,

Only to be alive, and feel that life is sweet?

—Lawrence Binyon.

You may measure the faults of others when you have none of your own.



# Capt. Kidd's Treasure Undiscovered



A GLIMPSE OF THE EMPRESS FERRY IN THE BAY OF FUNDY

There are few towns and villages along the Nova Scotia coast of the Bay of Fundy in which and from which searchers have not dug in the hope of finding buried treasure. Old tales, handed down from father to son, say that the notorious Captain Kidd sailed along the coast in his ship "The Adventure," and buried some of his ill-gotten treasure there. Historical records show that Captain Kidd visited New York in 1696 and filled up his log with the Bay of Fundy, and probably did, but he planted any treasure it is still lying in the bowels of the earth, for there is no record of any being found, though scores of "gold-diggers" have ploughed up acres of land. It seems that the favorite sport for men who lived in the Minas Basin years ago was searching for the mythical treasure. The "divining rod" is even yet used by those who happen on a clue, and at one time, though years ago, owners of certain properties are known to have searched for legal aid in keeping the searchers from their property. Weird stories of phantom ships and ghostly shapes appearing to the searchers, of iron bound boxes vanishing from sight, as soon as they were seen, are told by old men and women as they sit in their door-ways or sun themselves against the walls, and all have some personal experience to relate.

## Learn French by Radio.

In England many persons are learning the French language by listening to speeches and music broadcast by radio from the Eiffel tower in Paris.

## Four Cylinders Popular.

Of the automobiles operated in the United States it is said 70 per cent. are of the four-cylinder type.

## Paper From Rye Straw.

Writing paper will be made from rye straw by Dutch interests in the Dutch East Indies.

## Installed in Naples.

An automatic telephone system of American manufacture will be installed in Naples.

## The First Rose of the Summer.

The first rose of the summer came forth on yesterday; Her cheeks were kissed by raindrops soft, Where vagrant breezes play. Her heart was filled with sweetness rare, I marvel at her grace— Upon her lips reflected fair, A smile from Nature's face.

Her presence, sweet with perfume, That fills my soul with thrills, She speaks to me in quiet tones— Her breath new hope instills. Ah! let me count her jewelled smiles— Tinged with the sunset glow, Ah! let me rest where she would choose— My first sweet Summer rose. —Charlotte Carson-Talcott.

## The Extinction of the Whale.

According to Sir Sidney F. Harner, the whale is fast nearing the point of extinction. The Atlantic and Greenland right whales have been slaughtered almost to the point of extermination, the sperm-whale industry has practically disappeared, and little remains now but whaling in the Antarctic. That region is virtually new to whalers as their invasion dates from 1905, but so destructive is modern whaling that the total catch in that area has exceeded ten thousand whales in a single year. Efforts should be made to restrict the slaughter, since the whale is a mammal that is too large for a game preserve or zoo.

## Dogs Following Cars.

Dogs should not be allowed to follow cars. Owners permitting this will be prosecuted. To see a small painting dog, straining every muscle to keep up with a car is a picture of brutality. Besides there is the danger of the dog being run over, in its anxiety not to be left behind.

## Protect Pedestrians.

Motorists in London royal parks are being watched closely by the police for offences against the regulation that no smoke or vapor shall be emitted from the motor car or motorcycle so as to interfere with the convenience of persons using the park.

# IN RABBITBORO



## Has First Mail for Months.

The island of St. Kilda, half way between the Outer Hebrides and Rockall, got its first mail and news of the world for many months recently. The settlement, whose seventeen stone huts and a shop comprise the only street, had been shut off from the outside world all winter.

As the steamship Hebrides, bearing tidings of Lloyd George's fall, neared the island, the inhabitants greeted her with cries of "Gimme tobacco!" and "Gimme tea!" but as it was a Sunday they resolutely refused to allow the passengers to land unless they promised to attend church; and, though they had not heard from their relatives or friends for so long, they would not open the mailbags until the next day.

It was found, however, that the readily overcome the scruples of the townspeople. As the passengers came ashore, Margaret MacDonald, 85, the oldest woman in St. Kilda's, crooned Gaelic songs and wept while bearded men leaped and shouted Gaelic, and mongrel dogs, which outnumbered the human beings in the sparse community, ran to their hiding places.

The doctor was the most popular of all the visitors, as all the people complained of illness, explaining that the climate, intermarriage and a sameness of diet conspired to undermine the health of the population.

Fends on St. Kilda's are as numerous as the mountains of Kentucky, for the inhabitants have little to do in winter but quarrel over their sheep.

The only missionary and a nurse are kept busy, their time being taken up with settling disputes and attending the sick.

"They seldom fight, but the factions stand on the hills and try to shoot one another down in Gaelic," said the nurse, who possesses the only gramophone, which mystifies old Margaret MacDonald by playing Gaelic airs.

Only the children speak English on St. Kilda's and only the women work. They toil in the field and help cut turf for fuel. The St. Kildians are a great problem to the mainland authorities, who would like to remove them from the rocky islet, but the inhabitants decline to budge.

"They won't leave St. Kilda's while they can live there on charity," says one who knows them well.

# FOREST PROTECTION IN NEW BRUNSWICK

## WISE MEASURES TO ENSURE SAFETY.

### Fire Losses in 1922 Were 95 Per Cent. Lower Than Average of Four Previous Seasons.

Every year in Canada sees more drastic forest regulations enforced and greater precautionary measures established as, with the passing of the years, the necessity of such action becomes clearer and more insistent and the urgency of adequately preserving this splendid heritage against the criminal wastage which results every year from pure carelessness is borne upon the various governments and the general Canadian public. The first wastage which takes place each year together with the annual commercial exploitation which is continually increasing would, without most elaborate precautions, rapidly deplete the timber supplies of Canada once called inexhaustible, but now seen to have the same possibility of disappearance as happened in other countries under careless methods.

New Brunswick is still extending its system of precautions and protection against forest fires which have in the past effected such serious damage to its valuable woods, and this year a total of \$75,000 will be required to carry out the plans of extension projected by the Department of Lands and Mines. New Brunswick has a very fine, efficient and elaborate fire precautionary system in its woods, but as the province's principal asset, such arrangements can never be too thorough, and such moneys spent in the upkeep of staffs and equipment are considered in the light of very profitable investments.

## Additional Fire Precaution.

Two systems of fire precaution upon which additional expenditure will be made this year are those of lookout towers and the telephone service linking up these towers through forest telephone lines with the commercial system. Lookout towers in the past have proved very efficient in operation, whilst the fire results achieved by meshing the forests with telephone lines justify their extension.

According to plans two new towers are to be located on the headways of the Tobique River and the narrows of the Naswaak River. These towers are to be of steel, it having been proven, after the use of both steel and wood, that the former is the more economical. The cost of the erection of these towers will be borne equally by the government and the private owners who will be benefited by their location.

A further precautionary measure in the woods adopted this year will be the establishment of a forest permit system, for which provision was made in the legislation of 1922, after the system prevailing in Quebec, which has worked out so admirably. Visitors will be permitted to enter government or other forests only by securing a license, for which no fee will be exacted. Whilst this imposes no hindrance upon those desiring to travel or camp in the woods, the necessity for securing such permission naturally directs attention to the dangers they may occasion, and elsewhere where the system has been in force the moral effect has been decidedly marked.

## Heavy Lumber Cut in 1922.

None can gainsay the wisdom of these measures. The fundamental source of New Brunswick's wealth is its forests which support the manifold lumber industries. The province's lumber cut in 1922 amounted to 2,009,000 or about double the cut of 1921. Furthermore the New Brunswick lumbering grounds of the American continent, harboring as they do a great variety of game animals in large numbers, visitors to New Brunswick every year take toll of more than a thousand deer and about two thousand moose and the amount of revenue they leave in the province is tremendous. Experts state that the natural increase will effectively offset this depletion by the sportsman's gun, but that the most serious enemy of the wild woods creature is the forest fire. From any point of view fire precautions cannot be too thorough and expenditure up to any reasonable amount is justified to the full.

## Weeds Exhaust Soil.

A weed, as it grows from an inch to a foot high, increases a thousandfold in bulk or weight and exhausts the soil in proportion.

## Chivalry

Now let us see who's who? That Chivalry long since To a little tale that I told Of a knight who loved a

'Twas in a vineyard, but Though May buds bloom Of beauty that should die 'Twas in the sunny after

A lady in a gorgeous gown A singer, too, of high renown Flew from a barn to her's With a piece of straw and booty.

Her lord and master's name With redder breast and more Close followed in her train The lady of his dear dream.

She halted there upon a spot (How blue she was, like the post!) Her waiting maid flew to And there — surprised — was found.

Then what? Instead of As most would do, you see No joyful start he joined And sang a song to the

## Moscow's "Human"

Kennard, the human new calls him the place recently. He has been placed in a series of places in the darkest "human" districts of Central Europe. After his confession to no less than the bodies of 22 of the which had already been more were dug up after he and the rest have appeared in the Moscow River.

For the last two years police have been looking for men, tightly bound up in tight one were found in one of the city, on waste ground districts south of the river, noted two remarkable things all of the bodies were in the same fashion — "trussed" for roasting," said one of the officers with hurried realization — the discoveries were made on Thursdays or Saturdays, invariably reported to the general, including a man, something to do with the bodies were found in a market on Wednesday. This discovery narrowed the investigation considerably.

After a patient search, it was a certain dealer, but rarely seemed to do business with a prospective customer with a stable with horses at his three children, the eldest 17. There was no direct link between him and the bodies, but he was a "wrecker," according to him, "with nothing but his own hands, with the people of more unusually small in size with the white." So the police his home under the pretext of looking for a stolen article.

In the stable, under a pile they found the body of Kennard, but was often seen with a stable with horses at his three children, the eldest 17. There was no direct link between him and the bodies, but he was a "wrecker," according to him, "with nothing but his own hands, with the people of more unusually small in size with the white." So the police his home under the pretext of looking for a stolen article.

## Suited Him, All Right.

Nothing out of her eyes at some luncheon in school the teacher called the boy's desk.

"You know," she said, "that you must not get out of your seat. Now, as a punishment, you must stand in front of the desk every day of it."

The small boy did as he was told, and his mother was very proud of his success.

The teacher misinterpreted the boy's position and called him to the desk.

"Please, teacher, that was my lunch box," it was with

## Collapsible Orchard Ladder

A collapsible orchard ladder is in two sections. The upper section is adjustable to fit the lower one, and is sheathed in a single rubber mat. It is possible when it is adjusted to the limbs of a fruit tree, and the picker can pick over a considerable range without having to descend and shift the ladder to a new position.

## According to Custom.

Dealer—"That, sir, is a rare volume. It was carried by Columbus."

Customer—"What? Why were you not invented in Columbus's time?"

Dealer—"I know. That's what makes this one so rare."

## Instruct Children in Acts of Kindness and Mercy.

Australia has more places of ship in proportion to population any other country.

Better not to break than to mend.