The Automobile

FIRST THOUSAND MILES HARDEST FOR AUTOMOBILE.

to be the most precarious. If the child performance of the engine. is given good care in this early period | To prevent this excessive wear oil is he or she is much more likely to have used as a lubricant. The oil forms a a long and useful career. This same film between the piston and the cylinprincipal operates in the automobile der walls and keeps the small-proand the length and usefulness of its jections on the surface of the metals career depend to a large extent on from coming into close contact. Conhow he cares for it during the first sequently the wear is very slow. This thousand miles it is driven. In other illustrates the need of thorough lubriwords, an automobile may be made or cation during the breaking-in process. marred for life through the treatment. When new oil is put into the motor it it receives during the first few weeks will keep the surfaces from close conby its owner.

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as those manufactured to-day cost con- thinned through the leakage of gasosiderably more, it was the practice line into the oil reservoir and it also for the manufacturer to do the pre- becomes filled with the tiny particles liminary breaking-in. This breaking- of metal worn off from the surface of in process cost the manufacturer and the pistons and cylinders. This means consequently the purchaser consider-, that it very quickly loses its ability able money. Superior manufacturing to hold the surfaces apart. Therefore processes, better merchandising meth- in a new engine the oil should be ods, production in large quantities changed frequently. and the elimination of unnecessary When the hands are cold and they

necessary operations in the process of is so rapid that the parts become overmanufacture, with the idea of giving heated, which, in turn, makes them the pruchaser the maximum value for wear still more rapidly, thereby genthe money he expends, the manufacterating still more heat. Therefore the turer has passed on to the buyer the piston expands until it sticks in the job of breaking-in the motor. This cylinder and scores the cylinder wall. can be done successfully by the owner! The result is a cylinder that will if a slight degree of caution is used, never function properly unless it is PROCESS OF POLISHING.

Engines are built with reasonably smooth bearing surfaces and cylinder walls and the polishing process is per- On the other hand, if on the new formed merely by running the engine, motor the surfaces are kept well In the case of the cylinder walls over lubricated and are operated at a comwhich the pistons slide, the surfaces paratively slow speed, the wearing-in may appear quite smooth to the touch, process consists of slowly knocking off but under a microscope they would be the microscopic high points until the found to be comparatively rough, metal is polished to a mirror-like fin-Where two rough surfaces are in slid- ish. When in this condition it may ing contact, the minute projections easily be kept lubricated, and further lock into each other and are broken wear takes place very slowly. weld together and be torn away, leav- good judgment.

The first few years of a human life ing ridges or scores that would perare said by life insurance statisticians manently interfere with satisfactory

tact provided it is of the right quality. When cars which were not as good As the motor is run this oil becomes

operations in the factory have served are rubbed together briskly they tend to cut down the direct cost and over- to warm rapidly. Likewise in the enhead of manufacturing to the point gine of our automobile. If the workwhere much more automobile value ing surfaces slide over each other per dollar is given to-day than ever rapidly considerable heat is generated. before in the history of the industry. If the engine when new is run at a In line with the elimination of un- high rate of speed the wearing process reground and given a new start in

NEED FOR LUBRICATION.

off. This causes wear and if the wear. The process is similar to that of is too rapid considerable heat is gen- smoothing a board by rubbing it with erated. In the case of the piston, this fine sandpaper. Go slowly during these heat would cause expansion to the first thousand miles. Run your engine part where the piston would become carefully. Perhaps in the process you to tight in the cylinder that parts of will acquire a habit of operating your the cylinder walls and piston would car with a maximum of safety and



The Feminist at Large.

stantial alimony and dependence on no man."

All That's Past.

Very old are the woods: And the buds that break Out of the briar's boughs. When March winds wake, Oh, no man knows Through what wild centuries Roves back the rose.

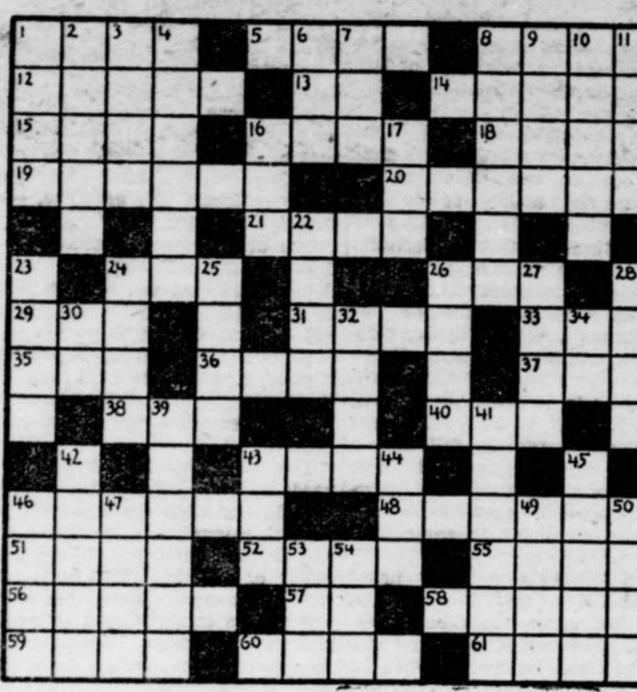
And the rills that rise. Where snow sleeps cold beneath The azure skies, Of come and gone,

Very old are we men, Our dreams are tales. Told in dim Eden By Eve's nightingales;

Eel Fishing in Canada.

markets.

CROSS-WORD PUZZLE



SUGGESTIONS FOR SOLVING CROSS-WORD PUZZLES Start out by filling in the words of which you feel reasonably sure. These will give you a clue to other words crossing them. and they in turn to still others. A letter belongs in each white space, words starting at the numbered squares and running either horizontally or vertically or both.

2-To can again

9-Chair

4-A New Englander

6-Possessive pronoun

7-Pertinent, apposite

wood-pulp, etc.

11-Used in a winter sport

17-Girl's name (familiar)

24-A Roman emperor noted for

27-Any animal seized by another

16-A bow, an arch

cruelty

26-Refuse matter

for food

39-Fine filaments

cooling

44-To make III

47-Burden

54-Small s.

49-Sole, single

50-Girl's name

53-Reverential fear

42-A silly creature

46-Moody and silent

43-To move with a lever

28-Vast periods of time

32-A metal-bearing vein

30-Id est, Latin for "that le"

34-Prefix, assimilated form of in

41-To render tough by heating and

45-Substance added to paint te

make It dry quickly

22-Egg-shaped

23-To whip

25-Reality

8-Modern province of Greece

10-A substance made from rage,

HORIZONTAL 1-Author of a famous elegy

6-Froth 8-A species of snake (pl.) 12-Pertaining to the kidney 13-Aloft 14-Purioin 15-A sacred Image or picture in

Grack church 16-Wiles 18-Narrow strip of fabric 19-Damper and cooler 20-Held together 21-Fruit of the pine tree 24-A medieval trading vessel

29-To rest at length

26-To cover

81-Singing voice 83-To equip 85-Over (poet.) 86-Western State (abbr.) 37-Before 88-Frequent (poet.) 40-One of the months

43-An excuse, or its grounds 46-Peanut (Southern) 48-To pass unnoticed 51-Solitary 52-A ship's Jolly-boat 55-Girl's name 56--- lilegal Interest 57-Personal pronoun

59-A state of disorder 60-Seven days 81-One of the constellations VERTICAL 1-A grating of parallel bars

Bathing in Their Clothes.

mind would be classed as sheer mad

It is probably news to many that

high-caste Hindus take their bathe

with their clothes on! And yet it is a

fact. Their religion compels them to

have a bath daily. They will neither

touch nor eat anything before having

their bath. It is considered indecent

houses and a rich zemindar or a poor

Men, women and children are gener-

Burman obeys the same rule.

such zeal.

58-Ancient Greek physician,

"Father of Medicine"

Mr. A. D. Hardie, M.A.

of Cambridge, an English educationalist of note, who has just been appointed to the staff of a recently formed Educational Department in the Canadian Social Hygiene Council, with headquarters at Hygiene House, Elm Street, Toronto.

Mr. Hardie's task will be to assist | Garage. this organization to evolve a national scheme for the instruction of all children and adolescents in Canada, in the living wage until he was called upon men of all creeds realized to what an science of life, and the meaning of to buy gasoline. social hygiene. As this necessitates the education of parents as well as children it will require very careful expert handling.

Mr. Hardie comes to it very thoroughly equipped. He has been for fifteen years headmaster of his own school for boys in London, England, he was for some time chairman of the Committee of Conference of Educational Associations in Britain, where he was associated with Sir Michael Sadler, President of the Conference, and he was Chairman of the London Branch of Private Schools Association.

Through co-operation with existing child welfare organizations and with an Advisory Committee composed of biologists, hygienists, educationalists and psychologists it is hoped to evolve a scheme which will be of practical use to parents, teachers, and all who have to do with child life in the Dominion.

M. Doumergue, Bachelor,

The owners of the flower shops in as he is married, says a Paris de-

A bachelor President has no flowers sent him, they point out, and since M. One day a little rabbit Doumergue has held the position they have lost trade which they ruefully He stopped off on a cross road estimate at nearly 500,000 francs a

Frozen Milk Delivered on Strings in Alaska

about spilling his milk, says a Nome tling good vehicle. despatch. He calls from house to house and delivers a block of frozen reindeer milk or cream equal to a a woman here with old fashioned handle to facilitate delivering. The blocks of milk and cream are

tastily wrapped in oiled paper looking A herse is a dern poor wagin to for all the world like ice cream. One talk yer first tripp to church in. feature about the milk business here is that so long as it remains frozen - No wonder time is so often killedthere is no deterioration in the quan- it is struck every hour. tity or quality.



Just to Keep His Hand In.

"The good golf liar is out of a job air a minute. keep his hand in, you know."



The dashing old-timer who tied

Savings bank .- A place to preserve your surplus earnings. Antonym .-

A man used to be satisfied with a

the point that when they hear a ligious and historical sanctuaries. young lady in the back seat say Noble cathedrals like Rheims, Arras "Stop!" they know that it was not and Soissons, historical landmarks said for their benefit.

wear out a car without the assistance either hopelessly damaged or absoluteof a locomotive.

We heard a certain bird was on his of Canada for help in rebuilding the feet again. His creditors must have nearest Huguenot church to the fataken his car again.

your tongue into the high gear before and at the same time to erect on the getting your brain started.

Golden Rule. Always drive as you headquarters of the movement would wish others to drive.

in the world are you pinching the terians was formed with the following baby for? Let him alone!" "Oh, I executive: Honorary President, Major ain't doin' nothin'! We're only play- General Sir John Carson, C.B.; Chair-Causes Florists to Grieve ing autos, and he's the horn!"

It is said a shortage of tin is on eral J. G. Ross, C.M.G.; Honorary the Madeleine district don't care much the way. But we need not be dis- Secretary, Rev. Professor Charles Blewho is President of France, so long couraged. They will find a substitute ler, D.D.; Assessors, Lansing Lewis, with just as many rattles.

> Wandered out to play; To observe the lovely day. A Ford came whizzing past him, Across the road he tore; Now you'll never see him there again For he isn't any more.

BOO HOO!

Henry Ford has bought the old The milkman here doesn't worry Concord coach, in its day another rat-

Doctor (after accident)-"Is there pint or a quart. A white cord frozen ideas?" Crowd-"Why?" Doctorinto the block of milk serves as a "Because I need a petticoat to make some bandages."

What the Oarsmen Do.

been making tests with regard to the announcement-board, Bible desk for energy used by trained racing oars. communion table, hymn books, har-

ficient than most gasoline and steam ship of the Reformed Church of engines, as one-fourth of the energy France. produced by the men goes directly to-wards driving the boat. Special apparatus showed that during a race an oarsman breathes sixteen gallons of

a pound of sugar.

CANADA BUILDS MEMORIAL CHURCH

TO HONOR HEROIC DEAD WHO FELL AT VIMY.

Sacred Structure Erected at Lens With Contributions Raised in Dominion.

A bronze tablet designed and manufactured by Henry Girks & Sons is now exhibited in the show window of this firm in Montreal. In a few days it will be on its way to France, to be erected inside the "Canadian Vimy Memorial Church" in Lens (Pas-de-Calais). The inauguration of the church is planned to take place on June 1, when a delegation from the ribbon in a bow on the buggy whip committee in Canada, as well as Canahas a son who puts side windshields dian military and civilian officials will represent the many thousands of citizens who have contributed to this memorial, and solemnly hand the completed building to the Federation of Protestant Churches in France.

Ruin of Sanctuaries.

Immediately after the Armistice extent France had suffered, not only in loss of its manhood and in its ma-Taxi drivers are rapidly getting to terial wealth, but in the ruin of its relike Calvin's birthplace in Noyon, city churches and village shrines, both A careful driver is one who can Catholic and Protestant, had been ly annihilated. Also when an appeal came from France to the Protestants mous Vimy Ridge, it seemed to answer providentially the wish in many It is always dangerous to throw hearts to help in this reconstruction soil sanctified by the blood of our soldiers a memorial to their sacrifice.

The best rule of the road is the In May, 1920, it was decided that the be in Montreal and a committee composed of Anglicans, Baptists, Congre-"Willie!" "Yes, Mamma." "What gationalists, Methodists and Presbyman, Rev. Canon Shatford, D.C.L., O. B.E.; Honorary Treasurer, Brig.-Gen-D.C.L., A. M. A. Murphy, Rev. M. F. McCutcheon, S.T.M., Rev. A. E. Run

nels, B.D. On Nov. 14, 1920, an offering was taken in a great number of churches all through the country and it was decided to erect on the property in Lens, a church to cost 300,000 francs. How ever, the building was delayed for several years on account of unforeseen difficulties. Not only was the soil unsettled by the underlying coal pits having been flooded, but a mine of dynamite was found under the form er foundations. Then the Government survey and valuations for "war dam ages" had to be waited for, and lastly the difficulty of obtaining building material and labor in an area when more than 700,000 houses needed rebuilding further delayed proceedings. At last however, every difficulty was surmounted; now the finishing touches are being put to the building in view of its inauguration on Whit-monday.

Contributions Still Received. Any persons or churches wishing

either to make a final contribution to-So live that it never will be neces- ward the furniture of the church or to sary to tell the reporters to save your give some distinctive article in memfamily's feelings as much as possible, ory of a soldier relative are invited to correspond with the Treasurer or the Secretary of the committee. The following suggestions for such contri-A professor at Yale University has butions have been made: hymn-board. monium, or any other church furnish He tells us that they are more ef. ings consistent with the form of wor-

a Cure for Seasickness

picture. When in mourning for a time, is not very extensive, though strange religious rite being carried than in winter, and, therefore, clouds the start of a known physician, who has contributed male relative a man wears an im- holding great possibilities of expan- out with unfailing regularity is one are formed at a greater height, where testify before one of the investigating race, and in a four-mile event his body an article to a Berlin clinical weekly mense straw hat shaped like a toad- sion with the development of new which causes Europeans to marvel at conditions are favorable for rapid conthat there are many well substantiated cases where the extreme nervous shock brought about by the necessity of saving one's self has wiped out all traces of seasickness among passenger who had been "invalids" prior to the announcement that the boat they were on was about to go down.

Dr. Lehmann, however, does not believe seasickness is the creation of the imagination. He says deaf persons, whose inner ears are destroyed, and young babies, whose inner ears are not yet developed, never are seasick. Disturbances in the inner labyrinth of the ear, in the opinion of Dr. Lehmann, are communicated to the nerve centres, which produce billiousness and seasickness.

Whitewash Would Do.

Mr. Palette-"Will you allow me to paint that picturesque cld building back of your house?" Mr. Wayback-"No, I reckon I

won't go to that expense; but I wouldn't mind a coat o' whitewash, mister, if ye didn't tax me too much

Why is a native of a country in Africa like a poor Irishman? He lives in Ashantee (a shanty).

Percy-"What is your idea of a hap-! But, the day gone by, Philippa-"Absolute freedom, sub- Of amaranth lie.

---Dress in Seoul. The city of Seoul, now called Keijo, the seat of the Korean government, is taken from the coastal and inland or on seashores with dhoties on. A a place of quaint dress. White is the waters of the Dominion each year, dhoty is a piece of white cloth about discovered was that raindrops are universal color of outer clother wheth- During the 1923 season 1,114 cwt. were six to eight yards long, wrapped round larger in summer than in winter, and er for men or for women. The women, caught by sea-fishermen and 13,753 the body. After the bath they first larger in hot than in cold climates. who are short and fat, wear fantastic cwt. were taken in inland waters as wrap a dry dhoty round them and let At the moment of condensation of

balloon cotton skirts. The men wear compared with catches of 1,434 cwt. the wet one slip from underneath, so the water vapour to the liquid state, a "Mother Hubbard" robe, baggy and 11,710 cwt. respectively during the that they neither expose their body great numbers of extremely small trousers tied at the ankles and a trans- previous year. parent "plug" hat many sizes too | Eels are common to most Canadian when travelling they manage to have they fall they merge, and thus what small, tied under the chin. Long thin rivers discharging into the sea, and their daily bath at stations where the we call raindrops are formed. The whiskers, great hornrimmed goggles, the species found in the waters of the trains halt for about twenty minutes. size of the drop when it reaches the hair put up in a queer topknot to sig- Dominion is of a high quality and in | Most of the railway companies have earth depends upon the height from nify manhood and pipes with stems general favor among epicures. The wells near such stations specially for which it has fallen. two or three feet long complete the industry in Canada, at the present this purpose, and the spectacle of this Now, in summer the air is warmer these days, with everything frozen in." Each man produces nearly four sickness, says Dr. Lehmann, a well-

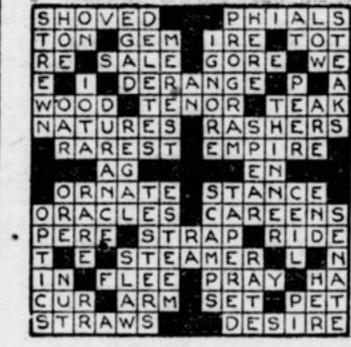
So old with their beauty are-

Very old are the brooks; Sing such a history Their every drop is as wise As Solomon.

We wake and whisper awhile. Silence and sleep like fields

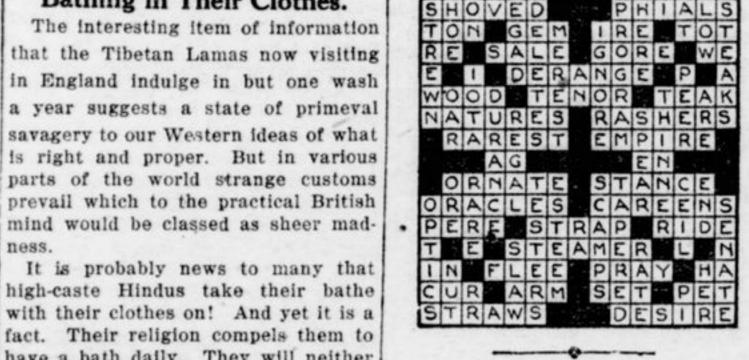
-Walter de la Mare. to bathe naked, even within their own

Eels in growing quantities are being ally seen bathing in open wells, tanks, hundredth of an inch in diameter.



nor let the dry cloth get wet. Even drops are formed close together. As

densation.



The Size of Rain.

A weather expert once set out upon the laborious task of measuring the dimensions of raindrops, and he found that the largest were about one-sixth of an inch and the smallest one-five-An interesting fact which he also

TEN WORDS, NO MORE, NO LESS-By Bud Fisher. MUTT AND JEFF NOT SO NICE! THE SHERIFF TELEGRAM FOR MUTT WIRES THAT HE'S A TELEGRAM COSTS THE A. MUTT. & THE TOMBS. N.Y. CITY. YOU, JEFF! SLIP IN THE HOOSE-GOW SAME WHETHER YOU SEND THREW ME IN JAIL BECAUSE HA, HA, HA, HA, HA, ONE WORD OR TEN WORDS, I HAVEN'T PAID MY WIFE BECAUSE HE CAN'T PAY HA, HA, HA, 40 DOLLARS BACK ALIMONY! FORTY DOLLARS BACK HA. HA: I SEE. SLIP ALIMONY! I WIRED TO JEFF -HE URGES ME TO WIRE AT ONCE: HE'LL HELP ME OUT! PENCIL: