CIPAL HAIL IRANCE IN WEST

MS IN ALBERTA SASKATCHEWAN.

his New Development erried Out in These rge Cereal Areas.

he inevitable misadventures suit of agriculture which er's assiduity and exacting owerless to safeguard or sall storm, and practically os where cereals are an grop periodically suffer in this regard from the delight. For a considerable various schems and comas been possible for the armer to insure his crop onslaughts of hall, and summer months with a ree of calmness and asthe past two years, howprovinces of Alberta and n, two of the world's ent grain areas, have gone r and instituted systems hall insurance.

skatchewan Act.

dehewan Hall Insurance consists of one delegate the scheme by a majority e annual municipal elecree years. Land in the must, by the first of June

when the damage done ive per cent of the por-

um for half insurance is ---

tans of the Desert.

ne she is certain to go

costly finery, precious als is a penal offence, that law is that they erself. They kill their (a) for smoking even a

ember of the Wahabi m their villages and strangers, he must bene village or going to t himself of all clothnost thoroughly. They as anstere as they are

PROPER CARE OF TIRES. intensity and length of time the rub-The most flagrant tire abuses, re- ber is exposed to it. The cource of heat sulting in premature blow-outs in that does most damage is that procasings, are overload, under-inflation, duced at high running speed by the overspeeding, misalignment of wheels, internal friction of the tire carcast. driving in car tracks and ruts, neglect- The heat developed by frictional ed cuts and improper use of anti-skid contact with the road when traveling devices. A brief detailed discussion rapidly also has some influence. Tires

of each of these major abuses follows: are so designed as to resist the effects All tires have a load limit. Constant of heat produced by ordinary everyslight or occasional heavy overloads day car operation. But tires cannot shorten tire life. To determine accur- long remain intact when highly heatately the load carried on a vehicle tire, ed by continuous or even intermittent weigh separately the front and rear speeding, and the results of such pracwheels and divide each weight by two tice are rapid loss of elasticity and for the tire load. To this can be added flexibility which leads to complete tire weight figures corresponding to the carcass break down. From the standaverage front or rear passenger load. point of tire life, mechanical upkeep The maximum actual tire load should and gasoline economy, car speeds not exceed the maximum load carry- should be kept within prescribed ing capacity advertised by responsible limits. tire manufacturers.

Proper inflation is as important as proper loads. Tires are not built to mate relation to tire mileage is wheel take the place of steel springs or of alignment. The free rolling motion of shock absorbers. Under-inflation re- a tire is affected by a small wheel missults in an unnatural flexing on the alignment and the result is excessive layers of fabric which causes separa- tread wear. When the two opposite tion and early destruction of the tire wheels are not parallel there is a carcass. If easier riding is desired diagonal grind at the point where the oversize tires may be used and such tires come in contact with the road tires in addition to furnishing extra surface which wears off the rubber alr siliency, give more traction on rear most as fast as if in contact with an wheels and supply greater mileage. emery wheel. However, oversizing tires requires a Front wheels may be out of alignreadjustment of the speedometer, ment due to cross rod axle, or steering otherwise the recorded distance will knuckle becoming bent by contact with be less than that actually traveled.

Keep Same Pressure. Do not change inflation pressures properly adjusted. Also the tire alone with changes in atmospheric tempera- or the tire and rim may be improperly ture, since more damage results from mounted on the wheel, endeavoring to compensate for an in- Because of the tendency of front crease in the tire temperature than is wheels to spread during driving, car caused by the increase in temperature manufacturers set the wheels at a toe- are due to arrive this summer. A reitself. Avoid running on a flat tire. in of from three-eighths to one-half cent party of arrivals numbered sixty-Such practice ruins the tube and breaks inch and when thus adjusted the wheels five, practically all being in possession the casing at the bead or sidewall. are properly aligned. The measure- of sufficient capital to make an im- 50 Years Ago French Nation ever, anxiety came into their weather-

life of a high-grade tire on a racing the two front wheels at points inside tries by government loans has been car is under 500 miles-which is about and on a level with the axle. Align- successful commercially, according to

Why the Sun is Yellow.

All this summer's glorious sunlight is composed of different colors and waves of varying lengths. The longest waves are red, after which come orange, yellow, green, blue, indigo, and

These combined give a white light. such as we see ordinary light to be. At the sun itself, however, it is certain that large numbers of light-waves are stopped before they can emerge to our sight.

Many of the short-length and weaker ones, for example, are not strong enough to get any farther from the sun's interior than some thousands of miles below the surface. There they are imprisoned, with the result that we do not see them affect the sun's color in the least. The strong violet and blue are stop- fornian school.

vulcanized rubber in proportion to the should not be neglected.

ceeded in getting out, and they, too

On Wheel Alignment.

Among factors which have an inti-

nto the sun's color. Altogether, so many of the sun' light rays are unable to escape that in the end we find only the very powerful red, orange, and green ones com-

Thus it happens that from the combination of these tints we get a yellow sun. But for all that, we have a narrow escape from having a blue sun.

A thumb lost through an accident has been replaced by the patient's big toe, through the skill of a French sur-

Built of concrete in the middle of a lake, a huge relief map of the world is used to teach geography in a Cali-

Canada's Industrial Centres

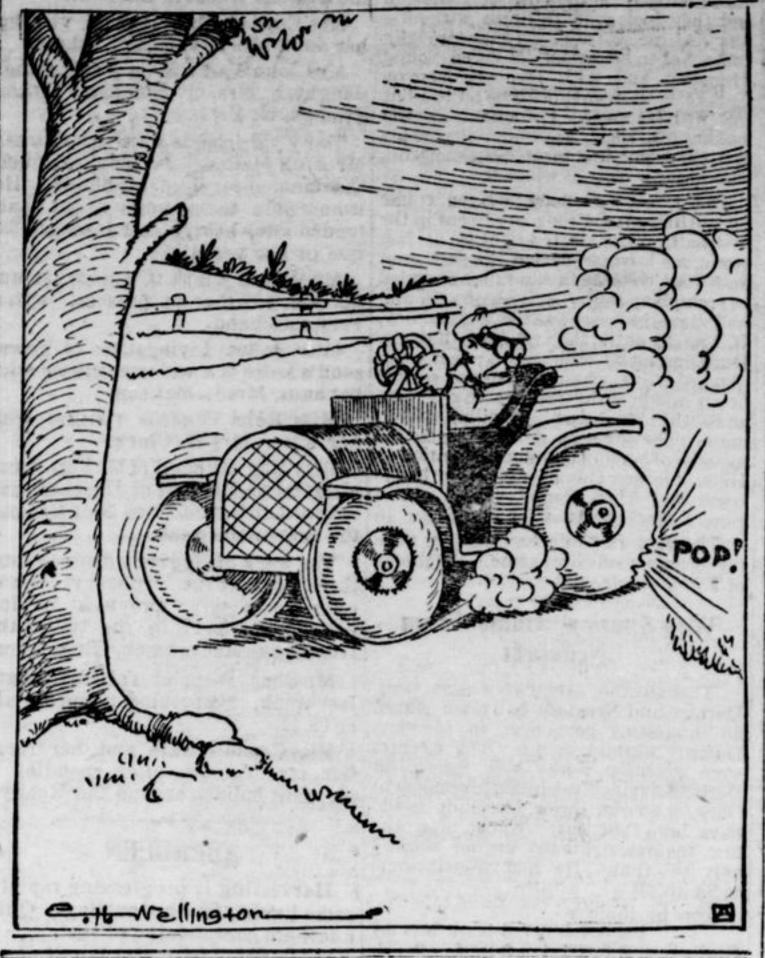
sources with agriculture, the products of the farm, accounting for the largest | were 12,796 manufacturing establishitem in Deminion Income. Industrial 070,916,944. A total of 514,747 people progress is, however, a necessary found employment at wages and corollary to any national growth, and salaries of \$450,609,582. These plants agricultural settlement in Canada has used \$1,291,751,860 worth of materials seen manufacturing activity striding and had a production of \$2.346.589. sprung up over the breadth of the Dominion, followed fairly closely by of the farmer. In the older eastern tance by Hamilton, Ontario, and Sydprovinces there are many cities and ney, Nova Scotia, these cities being towns where industry has come to be the only ones over the hundred million the main factor in development and dollars in capitalization. Montreal which have an assured future of great | had \$468,401,480 invested and Toronto importance in manufacturing. In the \$392,945,178. These four cities mainnewer western provinces, where towns tain their respective positions also in are periodically springing into being | regard to production. with the invasion of the agriculturalist, industries are as rapidly brought capitalization in exces of fifty million House, shops would be in far greater France beyond hope of recovery.

ous wants. able expansion, a feature of which has Calgary in Alberta. Seven centres, for twenty miles, and gives warning army of occupation and all other costs the invader. The fact that Verdun structions given to the apprentice when 034,301,915. These gave employment four centres have an industrial invest- and has a range of seventeen and a ways and means to pay the ransom, to reconquer and reoccupy it, and Additional emphasis was placed up- been the home of the prime ministers to 677,787 persons who received the ment between five and ten million dol- half miles. The light on Lundy Island but it was not until June 26, 1871, that nerved the French with extraordinary on the phrase through the custom in of England for nearly two hundred sum of \$692,460,863 in salaries and lars. wages. The cost of materials used Both Montreal and Toronto have an carrying distance is the light on the date the government authorized the not pass!" was uttered with a keen account of purchases of beer and ale given over to council rooms and the was \$1,900,252,314 and the year's pro- annual industrial production of more Needles, those sharp-pointed rocks off opening of subscriptions to a loan of recollection of the occurrences of 1873. throughout the week by writing a "P" offices of the premier's secretaries duction \$3,458,036,975. Some idea of than five hundred million dolllars. the Isle of Wight. This has a range \$400,000,000, half of which would be the rapidity of expansion in Canada Hamilton and Winnipeg have produc- of twenty-seven miles. may be gleaned from a comparison of tions of over a hundred millions. Van- The South Foreland light is visible claims. The subscription lists were these figures with those of 1915, at couver and Sydney exceed fifty mil- for twenty-five miles, and that on opened the next day, June 27. Ger slate panels lot into the walls, and On Saturday, when men had re- that the last three occupants of the which time there were 21,306 estab- lion dollars in their output. Seven- Beachy Head twenty-two miles. fishments; a capitalization of \$1,994,- | teen cities exceed twenty millions and | 103.272; 514,883 employees; salaries are under fifty millions in production. and wages amounting to \$289,764,503: Only four of the remaining cities cited than single men, in the ratio of 6 to day long Bismarck, the Chancellor, for military use on strong canvas, are them that no more drinks would be real leaders of England are still Mr.

Revenue in Canada is derived mata- | A survey of the forty-four principal ly from the exploitation of natural se- municipal cities and towns in Canada for the year 1918 shows that there ment with a capital investment of \$2.

into existence to meet their multifari- dollars, Vancouver with \$98,434,309; danger while on the sea than they are That former Treaty of Versailles final billion would be forthcoming, not Winnipeg with \$82,709,029; Sault Ste. now. Owing to the time taken in compil- Marie with \$69,234,987; and Niagara These lighthouses warn vessels of on March 1 it was ratified by the Na- of 1873. ing and publishing industrial statis- Falls with \$51,199,485. A total of ten sunken rocks and jutting headlands, tional Assembly at Bordeaux. Never That final \$50,000,000 was paid on where the small "p" and "q" in Roman tics, these are at all times consider- cities have a capitalization between which are a danger to navigation at in history had so heavy a forfeit been September 5, 1873. Eight days later type have always confused the printably out of date and the latest avail- twenty and fifty millions; Lachine and night time. able cover only the year 1918, since Quebec, in Quebec, which time, in the fever of post-war Peterborough, Brantford, Kitchener, link between Engand and vessels sail- manded from France was only \$140,- last German soldier marched across type is mixed or "pied." activity, there has been a consider- London and Ottawa, in Ontario; and ing in a westerly direction, is visible 000,000, and the maintenance of the the frontier and France was free from For this reason, one of the first inbeen the remarkable introduction of Sherbrooke, Hull, Halifax, Fort Wil- of many cruel reefs, with which the did not bring it above \$220,000,000, for was thus the last place to be given up aspired to become a printer was to so many foreign firms into the home liam, Port Arthur, Oshawa and Ford, coast of Cornwall abounds. payment of which the time of five by the Germans caused that place to "mind his "p's and "q's"—or, in other field. At the end of 1918, there were have industries in which capital be- The Eddystone, which is, perhaps, years was granted. 35,797 manufacturing establishments tween ten and twenty millions is in the best known of the English light The financiers and statesmen of sentimental kind in the World War. they would be interchanged in printin Canada with a capitalization of \$3,- vested. The remainder of the forty- houses, stands on a rock off Plymouth, France promptly set about devising It gave the Germans special eagerness ing.

-and the worst is yet to come



Canadian News Items.

a curb or some other obstruction, or Alberta is a favorite location with the cross road or knuckle may be imemigrating Hollanders, according to indications, and mixed farming, to which the province is so adapted, attracts them. They have been arriving in some numbers since the spring and settling on the land, whilst many more If you collect automobile racing sta- ments showing these differences mediate start on farming operations.

tistics, you will find that the average should be made between the felloes of The experiment of assisting indus one twentieth of the life of a tire ment or the toe-in of the wheels D. B. Martyn, Deputy Minister of Inoperated under ordinary conditions, should not be confused with dish, dustries for British Columbia, who This difference in tire service is due which is setting the wheels further states that there has only been one directly to a difference in heat de- apart at the top than at the bottom. failure. Two industries made possible Frequently checking wheel alignment by government assistance, a woollen Heat exerts a deteriorating effect on saves tire wear. It is a factor that mill and a paper roofing company, he cites as outstanding proof of the advantages of provincial government

A chain of three look-out stations is to be started in Northumberland and are therefore prevented from entering Glouchester counties on the North Shore of New Brunswick, under the direction of theh geometric survey of the Dominion. The New Brunswick government will also use these towers to make observations in order to prevent forest fires.

In 1920 forty-seven creameries operated in Saskatchewan produced seven million pounds of butter. Five new creameries are in course of erection at from France was, according to Ger-Yorkton, Assinabola, Weyburn, Shaunavon and Empress. There is only one cheese factory in the province, which cost of the war to Germany. For it produced 28,367 pounds of cheese last, was officially reported to the Reich-

There is a well organized effort this northern portion of the province. Farmers who have previously been content with a small patch are putting in a considerable acreage this year. tion of many millions from the in- With the morning of June 28, how-Government assistance has been pro- vaded provinces during the war and of ever, word came. Not a cent was mised in the establishment of flax \$40,000,000 from the city of Paris to needed from Germany or from anygrowing in the province.

party of men. The Norton, McMillan | within two years, Syndicate is taking a drill into the district, whilst the Pas Development and Exploration Company, with a capital of \$2,000,000 and leases of 3,200 acres. is also to drill there.

England's Eyes of the Sea.

carries thirty miles. Next in point of definite action was taken. On that resolution to defend it. "They shall taverns in the Old Land of keeping years. The first floor of the house

HOW FRANCE PAID

CONTRAST WITH GER-MANY'S INDEMNITY.

Unprecedented in History.

stalment of the indemnity by interest- times. ing coincidence was made at a date close to the fiftieth anniversary of France's payment of the first part of the ransom which Germany extorted from her in the "Terrible Year"; and which Bismarck and his colleague Bleichroeder designed, in their own phrase, to "bleed France white" and permanently cripple her economically

Between the two indemnities there is a vast and radical difference. the first place, it is recognized that the whole sum which Germany is ask ed to pay is only a fraction of what might justly be demanded of her, since it is only a fraction of the actual loss which she inflicted upon the countries which she attacked.

But the sum extorted by Germany many's own confession and boasting. several times larger than the entire stag that the total cost of the war to such word from Paris. But none came, Germany, taking every conceivable All that night German financiers reitem into account, was only \$278,000,- mained awake, at their desks, ready to 000. Of the billion dollars extorted respond to an apeal which would give from France, then; \$722,000,000 was them a mortgage on France, but they clear profit to Germany.

This was in addition to the extor- came.

Hoped to Ruin France.

this, that while now the Allies have loan. shaped their whole policy with respect to the indemnity, to the end that Germany shall not be crippled or prostrated, but rather shall be assisted to the unwelcome notification that the Without the lighthouses erected get upon her economic feet again, it fourth billion would not be delayed to around British coasts, and maintained was the deliberate purpose of Ger- March, 1874, as provided in the re-Four cities of the Dominion have a by the corporation called Trinity many in 1871 to impoverish and crush vised agreement, but would be paid

was signed on February 26, 1871, and on March 1, 1875, but before the end imposed upon a beaten power. After the Germans reluctantly evacuated er's apprentice on account of their

applied to the payment of Germany's many was expectant of an appeal to colored chalks provided, is a feature ceived their pay, they would be greet- famous house, one from the sristoher, at least of an invitation to her of one of the latest Atlantic liners. ed with the cry, "Mind your P's and cracy and two from the middle class, Married men are more trustworthy bankers to subscribe to the loan. All Trench maps, which were printed Q's"-a gentle method of informing have refused all honors and titles. The cost of materials, \$802,133,862: and a are under the ten million dollar figure 1, probably because of their increased and Baron Bleichroeder, the million now being used in England to make served until their accounts were set. Balfour, Mr. August and Mr. Lloyd in their annual industrial output. sense of responsibility. aire banker, waited eagerly for some inner soles for tennis these.

An Amazing Adventure With a Sea Monster

voyage between Iceland and New quivered as she heeled right over undisplayed by some of the epitaphs on Brunswick, had been twenty days at til her port bulwarks almost touched the water. Then, like a sorely-stricken Several sailors lounged idly on her animal, she righted herself.

Suddenly the attention of the men was ed the captain. "Carpenter, get down stone in Cranford churchyard, "Full-

attracted by a spout of water that rose below and find out the extent of the er's Earth." No less a dignitary than high in the air about three hundred damage." feet away.

risen, in the hope of seeing a repeti- per ordered the men to the pumps. tion of the display.

A Mad Attack. close to the leviathan, so that her life-blood for its extraordinary act. crew could distinguish every move-

all the world like a sportive kitten. The movements of that colossal the carpenter, gloomily. body, twisting this way and that, div- The captain, by voice and example, ing and reappearing, seemed to fascin- urged his men to greater exertions, ate the men, and they laughed at its and they responded gallantly. By this of a pistol by his orderly, 14th April,

He laughs best who laughs last! As if the whale understood that all this laughter was at its expense, its movements became more and more erratic, until they were terrible to behold. The waves were churned into milky-white foam by the furious rushes of the great creature and the passionate lashing of its tail.

chatted about the ecentricities of the might founder at any moment. Sor- more than thirty pounds of air every whale, which showed not the slightest rowfully and reluctantly the captain day. A man may live well on three signs of exhaustion. Suddenly, how- gave the order for abandonment. beaten faces, for without warning the Completed An Undertaking huge mammal, with a mighty rush, came straight for the ship, only sheering off when quite close. It repeated Germany's payment of the first in- this disconcerting manœuvre several

The Terrible Charge.

Presently the captain of the Anna, alarmed at the threatening attitude of the whale, gave an order which sent and the schooner soon began to draw away from the scene of the monster's you take us aboard?"

Seeing the vesser moving off, the the Quernmore, of the Johnson Line whale ceased its circling, and, like a Liverpool." warship intent on ramming, came With eager eyes the shipwrecked straight at the schooner, throwing men saw a lifeboat leave the side of masses of foam to right and left of its | the big liner.

cited crew tried in vain to get the ly, deep in the water. In an exhaust Anna out of the way of that terrible ed state the schooner's crew climbed charge. In spite of every effort, how- over the side. ever, they failed. With a crash, the monster struck the ship, hurling the steamer an exclamation made them

A sound of rending timbers could be unfortunate vessel disappear.

remained awake in vain. No message

the paying of the cost of maintaining body outside of France, for all over Great interest is being exhibited this a German army of occupation in France there had been an uprising summer in oil investigaton and search France until the last franc was paid, to meet the emergency. Every thrifty in Northern Manifoba. R. C. Wallace, and, of course, the seizure of two of peasant and artisan got out and open-Commissioner for this territory, as | the richest provinces in France. De- ed the woolen stocking in which his the result of preliminary investiga. ducting the \$65,000,000 allowed to Gcr. savings were stored away and offered tions into the possibilities of oil sup- many for the railroads of Alsace-Lor- the contents to the government, if plies speaks optimistcally of prospects raine, it is calculated that France was only it would get rid of the Germans for development. An offical of the compelled to pay to Germany, all told, Three billions had been asked for Dominion Geological Survey is spend. fully \$1,100,000,000 in gold coin, and The prompt subscriptions totalled 30. ing all summer in that region with a it was required that it should be paid 000,000,000 in France alone, beside between five and six billions more from other countries. It was such a response as had never before been made The other point of difference was to any government's request for a

Remember Verdun.

In March, 1873, Germany received on May 5, 1873, and that the fifth and

A play-room for the children, with for each quart,

The Whale That Wrecked a Ship

The Danish schooner Anna, on a | heard, and the deck of the schooner

"We're stove in somewhere!" roar- tions to have inscribed on his tomb-

"A whale!" observed a seaman, The carpenter's face was grave. A huge Church: carelessly over the bulwarks and star. rent had been made in the ship's bows, carelesly over the bulwarks and star- through which the water was pouring ing at the place where the spout had in a veritable flood. Quickly the skip-

The Victor's Wounds.

man, as the whale came to the surface. the ship. It lay on the surface of the "Look, the thing is swimming round sea its great body rising and falling Heaven." and round, as if it had gone suddenly with the waves. Blood was pouring in volumes from two red gashes, one in the head and the other in its side. The The sailers watched the strange water was dyed with red, and the tellgyrations of the monster with keen in- tale stain on the surface of the sea terest. The Anna was sailing at about grew larger every moment, showing reads: "This stone marks the resting four knots and a half an hour, quite that the whale was paying with its

Meanwhile the water rose steadily ment of the enormous creature as it in the well. The whole afternoon rushed hither and thither through the passed in futile attempts to repair the waves, lashing the water with its tail, gaping rent in the ship's bows, and hurling glittering masses of foam high night came on with the pumps still full hope of blessed immortality. up in the air, and playing pranks for working steadily.

"The water's still rising, sir," said

time a gale was howling on all sides 1831. Well done, thou good and faithof them, whistling weirdly through the ful servant." rigging.

The night passed in a superhuman struggle to keep the vessel afloatthat grim battle between man and the keep our bodies going elements which is so often fought at

ficers, after a consultation, agreed that est quantities, nothing more could be done. The "Oh, air," you say; "but air weighs Meanwhile the sailors laughed and water was gaining fast, and the ship nothing. Doesn't it! Each of us uses

Timely Rescue.

Under the first mate's supervision the lifeboat was provisioned and swung out. It was about to be launch ed when, through the misty light of early morning, they saw the huge bulk of a big vessel. Eagerly the men on board the sinking ship began to shout and soon their cries were answered "Ahoy there! Who are you?"

"The Anna," cried the Danish capthe men burrying to their stations, tain. "We've a hole staved in our bows by a whale, and are sinking. Can "Right," came the reply. "We're A small room in which a gas-stove or

At last the boat reached the side of Spurred on by their captain, the ex- the sinking ship, now rolling sluggish

> As they reached the deck of the big turn round in time to see their own

Shocks for Ships.

Even in stormy weather the average height of waves in mid-ocean does not as a rule exceed thirty or forty feet. Sometimes, however, one enormous wave makes its appearance, amidst

Why this should happen no one can say. All we know is that a mighty man, while the others use French and mass of water rushes suddenly to- Italian, varying as a rule according to wards a ship at the appalling speed of the proximity of the people to each

over one hundred miles an hour. If the ship can meet such a wave though thousands of tons of water may be swept over her decks. But if Parliament the members make their the wave is following her and rushes speeches either in French or German, at her from the stern, she may fail to rise. Many a good ship has gone to one language as the other. her doom in this way.

These vast mountains of water rise sometimes to a height of more than a hundred feet-as high as the spire of a church. They have been known to extinguish the mast -head lights of sailing ships.

Sometimes on a perfectly calm day there will be a sudden troubling of the surface of the sea, and without the slightest warning a wave 150 feet high

"Mind Your P's and O's." The expression "Mind your P's and O's.' arose in the printing house,

be regarded with special interest of a words, not to get them mixed so that

in the credit book for each pint of The second floor contains guest liquor sold but not paid for, and a "Q" | chambers, a library and the usual ap-

Tombstone Harnor. Our ancestors jested about most

things, including death. Taste in humor has changed now, but we can smile at the quaint turns of thought and frankness in speaking of the dead old tombstones.

Thomas Fuller, a learned divine of the seventeenth century, gave instruc-Archbishop Potter has these jesting When he came on deck again the lines on his tombstone in Croydon

"Alack! and well a day Potter himself is turned to clay." Sometimes it happens that the humor is unconscious. An inscription at Pewsey, Bedfordshire, describes "Seems pretty lively," said another The whale had suffered as badly as the deceased as "first cousin to Lady Jones, and of such is the Kingdom of

> Another, on the tombstone of an Englishman at Malta, states that he "expired on this island, having been climate," O somerset tombstone place of John Clark, accidentally shot.

> as a mark of affection by his brother." A Surrey churchyard shows a grave with the name of a woman who "lived a life of virtue and died of cholera, caused by eating green fruit, in the

> Reader, go thou and do likewise." Woolwich Churchyard has a fine example-"Sacred to the memory of Major J. Brush, Royal Artillery, who was killed by the accidental discharge

Your Ration of Air.

We consume a great many things to

Of what do we consume the greatest amount? Food? Water? No; air Towards daybreak, however, the of- is the thing that we need in the great-

weighs four times as much as his food

breaths a minute for the twenty-four 648,000 cubic inches of air, which would weigh over thirty pounds. One day's supply of air, for one human betwo-gallon gasoline tins; a year's supply would weigh more than five tons.

because a great deal of air is consumed in burning anything. Quite a than a man breathes in a whole day.

A gas or coal fire needs about fifty a ton of air every four days!

You can see now why it is so necessary to keep windows open. Proper ventilation means a continuous supply means starving the body of the thing

Nation Without a Language.

Switzerland has no language of its own. The official languages of Switzerlanl are French, Italian, and German, all three being recognized as the "mother tongue" of the majority of

A majority of the people speak Ger-

Switzerland are furnished to the news-

The One Empty Grave.

I thank Thee, Lord, that not 'mong lanes of dead-Echoless lanes-I have been left by

Then not a text above a dreamless Could comfort bring to me

But when I see, after two thousand One open grave-one 'neath the world's vast skies-

Doubt vanishes, and hushed are all my fears-I know I, too, shall rise! -Alexander Louis Freder.

German flame-throwers, of which the French captured 70,000 in the closing phase of the war, were used in France recently to fight a plague of

No. 10 Downing Street, London, has