# The Fan as a Military Defence.

Who invented the fan? Eve, said the interested during the war in the probessayist, when she fanned herself with lem of expelling poisonous gas from a palm leaf; Venus, declared the poet, the trenches, from dugouts and from Oliver Wendell Holmes, when she de- hollows in uneven ground, where it nuded one of her doves, a fan-tailed lay long after the attacking wave had pigeon, of his plumes:

And you'll be better off without it." fore it in steady puffs and setting up a he determined to yield to an impulse fresh current from behind. On this The goddess spoke, and gently strip-

Her bird of every caudal feather; A strand of gold-bright hair she clip-

And bound the glossy plumes to-

even if we cannot accept Venus's offhand assurance that he poor, submissive dove would be better off without models of dugouts and tunnels, from his tail. But, whatever its origin, the which smoke, which was employed infan in the Orient, an attribute of both stead of gas, was quickly expelled. sexes, has belonged, down all the ages At one of these demonstrations, Mrs. of Occidental civilization, to woman Ayrton, with a three-inch fan, sat at alone. "Woman's weapon," it has one end of a six-foot table while smoke been often called-a dainty weapon, was poured down from a funnel at the wielded only in wars of gallantry be- other end. The action of the miniature tween the sexes, to be sure. It has fan not only dispelled the fumes but taken the great war to reveal the fan quickly gained such control over them as a thing of serious military value, that the current of air set up prealthough not as an aggressive weapon vented the smoke from coming out but as an important means of defense of the funnel. The use of this antigas against one of the most subtle and fan in cases of accumulated sewer gas hideous perils of the newer warfare. has also been crowned with success, This fan, so different from the pretty the fan in this case being applied at plaything of elegant ladies, was in no the manhole. Her ideas are being appoet's fancy, but in sober fact, the in- plied in factories, motion-picture vention of a woman. Her name is theatres, mines, and wherever noxious

passed over. She discovered that the "My bird, I want your train," she proper way to use a fan is not to wave it about, making the air undulate "Come, don't let's have a fuss about over a wide space, but to bring i down sharply from the perpendicular I'll make it beauty's pet and pride, to the horizontal, driving the air besimple principal she constructed the antigas fan.

The Ayrton antigas fan is not more than twenty inches square, is constructed of light material, and works on the hinge-and-spring principle. It was used by the British troops during the last months of the war, and the A pretty fancy and a charming fan, soldiers gladly testify to its effectiveness. The inventor has given public demonstrations in London with glass

Hertha Ayrton, and she is English. gases are generated, and they may The Handwriting on the Wall. Mrs. Ayrton, the widow of a man of even revolutionize our whole theory of science, and scientific herself, was ventilation,

It was at Rouen that he decided to fo it. Sitting in the quiet and comfort of the Y.M.C.A. hut, he reviewed the possibilities of the next few days and found them decidedly grim. His outfit was to go straight into action, and that until now he had always resisted. He would write a farewell letter to

To His Mother.

his mother in case he should fall. His mother was a widow, and he was her only son. It seemed like giving in to death to write this letterlike signing his own death warrant. Yet if he should fall, there was one thing he wanted his mother to know. Slowly, and with infinite difficulty, he wrote his message.

its glory is such that all motherhood had been seeing that his men were should know it.

I want you to know. Yours has been wall of the trench. Suddenly came an an unhappy life. Let this bring you impulse to move his position. He could toy. Your wish has always been my not explain it; nevertheless he obeyed law. When I left home for business and swung around on his elbow. Ping! seven years ago, you told me that you A German bullet sank into the wall wished me never to drink, gamble or in the very spot against which his swear. It was wise of you to use that head had rested. So the days and word 'wish.' Just because it was not nights went by with escape after a command, but the anxiety of your escape. Still he struggled to maingreat love to me, I have always restain his confidence in life. pected it. From that day to this, I else I felt you would be ashamed of.

The letter was closed and sealed slept that night he determined, on his thy mother!" knees, to resist all gloomy forebod-

A week later orders came to his batpany was given the task, and failed. Canada, C. Company, our young hero in command, was ordered to take the gun.

### It Is Not Easy.

To apologize, To begin over,

To admit error. To be unselfish

To take advice, To be charitable,

To be considerate. To keep on trying. To think and then act, To profit by mistakes,

To forgive and forget. To shoulder a deserved blame, BUT IT ALWAYS PAYS.

Only one passage concerns us, and trenches. Snipers were busy, and he not carelessly exposed at any point. "Dear Mether. One thing especially Wearily he leaned against the back

Soon after the armistice he returnhave never tasted strong drink, ed home. Never will he or his mothgambled, or sworn, or done anything er forget the night when-after much thought-he handed his mother that Dear mother, don't grieve if I fall. I letter. She had shed many tears in believe in Christ, and I shall go with life-but never such tears of perfect joy and pride. When they knelt together in overwhelming gratitude it and dispatched to a friend, to be sent was as if they heard a Voice saying. to his mother, if necessary. Before he "Woman, behold thy son! Son, behold

Said to be the largest in the world, man answered. talion that a strong German machine- and 400 miles in width, a new oilgun post must be captured. A Com- field has been discovered in Western politely inquired.

German lace manufacturers are they proceeded quickly with their Through a hall of bullets they swept copying English patterns, and send- questions. Indignant denial was the allowed in the book trade that on one a lass and lad. ing lace to Great Britain to sell at first attitude. Then slowly came the occasion were happily illustrated by A month went by, and the young twenty per cent. less than the home admissions. She had cashed the check Mark Twain. One day while the humofficer was standing one day in the production.

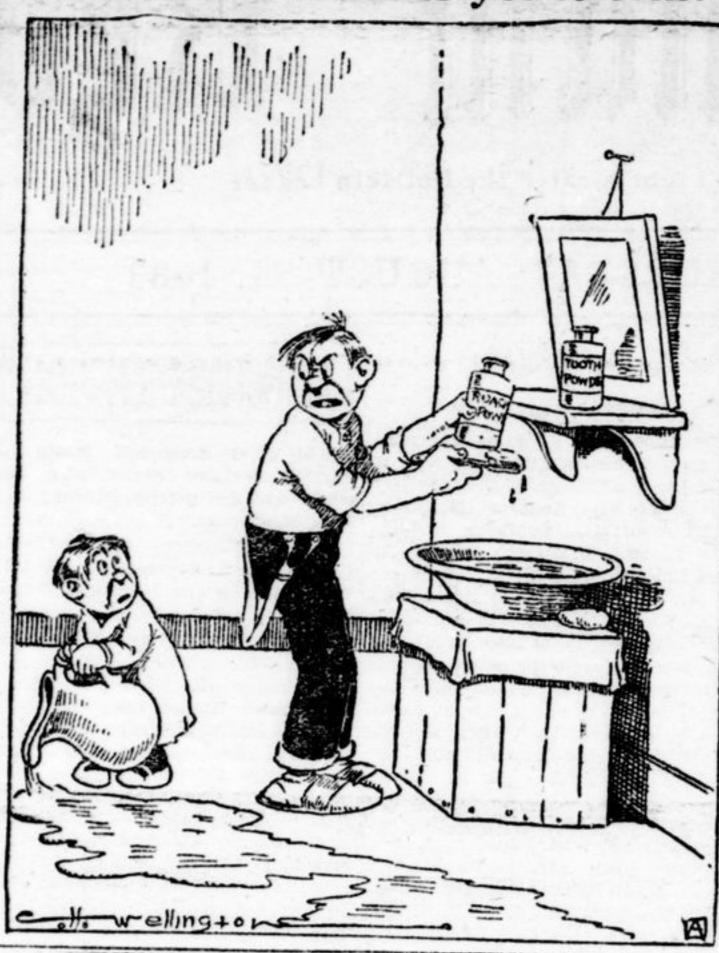
## Solving the Secrets of the Sea.

than the British Association exists of good farming land, and only a be- been a station master at the place book," said Mark Twain, "it would anywhere in the world, yet among the ginning has been made as yet. The that was robbed. papers that fill the program of its an- oyster business, the lobster business | Miss Margaret little thought, when fifty per cent. discount." and the salmon business are almost she wrote her name on the wall, that The clerk bowed. He could not deny that have a wide popular and prac- the only departments of the great in- she was laying a trap to land her it. tical interest. At the latest meeting dustry of fishing in which anything friend and one of his chums in prison. the address of the president, Prof. W. has been done to make the supply per-4. Herdman of the University of Liv- manent. All the other important fisherpool, was devoted to oceanography, eries of the world—the cod, the stura subject on which he is an authority; | geon, the mackerel, the herring, the and although the paper touched the halibut, the swordfish-have been conscientific imagination in pointing out tent to trust to luck and to go on de- tagious disease is well illustrated by the immense field for study in the pleting a natural supply that they have Charles L. Leland in his "Have You chemical, geological and biological done nothing to increase or even to a Strong Will?" He cites the case of story of the oceans and ocean life, it | maintain. also dwelt upon the very practical mat- As an illustration of the important who recalls a personal experience, as ter of the food that we get or could secrets that the sea may hold, the follows: get from the sea.

area of the sea can be made to yield the depth?"

story of the tilefish is worth recalling. "I, myself, am an example that an

# —and the worst is yet to come



The trail that leads to a thief is

orders was cashed in Toronto by a explosion: woman who signed her name as "War- The shock was felt from Dutoitspan smile of recognition to the woman who hundreds of feet into the sky. was getting the money. It was easy The magazines were dashed to

"Is Miss Margaret --- here?" they

"That is my name." It was a shock to the inspectors, but

The power of the mind over conthe celebrated physician, Hufeland, as I can calculate, we owe you the

book and about thirty-seven and one-One of the things that President The first of the species to be caught established case of contagious illness Herdman would do is to make some were taken south of Nantucket in 1879 can be cured by a glad exhilaration of kind of census of the oceans, as a and were at once declared by the spirits. It happened in the year of the basis for calculating how much food United States Fish Commission to be war, 1807, when a pestilential fever they can be made to yield and what an excellent food fish. For two years broke out, that I had to attend many laws can be agreed upon for the pro- or so they came to market in con- who were ill with it. And one morntection of fish. It is evident from siderable quantity. Then, in 1882, the ing I felt that I had every symptom history and geology and archaeology schooner Navarino sailed for two days of the disorder-giddiness, mental that man has always got a consider- and a night through water the surface dullness, weakness of the limbs-every able part of his food from the sea, yet of which was covered with dead tile- sign that I must suffer for many days it is the one field in which, with un- fish to the estimated number of 256,000 before the malady would break out. important exceptions, he has estab- to the square mile. For a long time But duty commanded, and others suflished no individual rights and done no tilefish were caught; then, a few fered more than I. I determined to go no productive work. On land he has years ago they began to reappear and through all the morning's work as multiplied the gifts of nature a hun- are now plenty again. Men of science usual, and to enjoy a midday dinner dredfold and improved them in quality believe that the cause of the disaster to which I was invited. At this dinas well as in quantity; but what na- was a sudden shifting of the Gulf ner, I gave myself up as much as I ture gives him from the sea he has Stream and a replacing inflow of cold could to merriment, drank intentiontaken in its casual form and quantity, water from the Labrador coast, but ally more wine than usual, went with no one knows surely. "Hast thou an artificially excited fever to my The future is likely to see a great entered into the springs of the sea? home, went to bed, had a profuse perchange. It has been proved that an or hast thou walked in the search of spiration, and rose in the morning

### A Terrible Explosion.

The strictest precautions are necesoften tortuous, but that identification sary in storing and handling the exsometimes hinges on the most trivial plosives that are used in the diamond circumstances is illustrated in a story mines of South Africa. The need of from The Recollections of a Police such stringency was emphasized by Magistrate in the Canadian Magazine, an explosion that wrecked a dozen A railway station at a small town in magazines near the compound of the Ontario had been robbed and, besides Victoria Mining Company three years some money, a number of express before Mr. Gardner F. Williams asorders and railway tickets had been sumed the management of the De Beers Company. In his book, The Before the numbers of the stolen Diamond Mines of South Africa, Mr. orders had been reported, one of the Williams describes the result of the

to find the second woman, but she pieces, as the Kimberley papers re- on, before the happy Wedding, our a child is told he is a dunce, a good- Roemer, safely ensconced beyond proved to have no recollection of the ported, by the terrible power of the words all show how much we're for-nothing, and will never amount to the Rhine, agreed to recount his war person wanted, except that she had explosives. In most instances the gal- "Gone"; they're soft as feather bed- anything—that he can't learn like experiences to Count d'Andigne at a attended business college with her for vanized iron was broken into tiny ding; but when the Honeymoon is others, can't do things like others. | time when he was not cognizant of the a short time two years before. She atoms as if by myriad hammers, and past we fly the flag of love half-mast! | This unfavorable judgment makes latter's identity. He told his visitor could not remember her name, but cartridges were scattered far and wide If Susie makes a ripping pie, or an impression on the plastic mind of how he dug up the chests of riches. promised to try to recall it. A few through the debris, exploding in vol- fries a crisp potato, don't eat your a child that lasts through life. A boy Whether the Count became excited at hours afterwards she was still unable leys or in scattering blasts for many dinner with a sigh, and look as grim will grow up convinced that he is be- this point is uncertain, but Roemer did to recall the name, but she remember- minutes after the explosion. One as Cato, but tell the lassie that it's low par mentally, that there is some- not reveal the present location of the ed having seen the girl write it on large stone was thrown as far as the Good, not let her think her pie's a thing the matter with his mind, that plunder which disappeared from the the wall of the cloak room of the Central Company's offices, a distance Dud.

At the spot described the name was west end, three miles from the maga- gramble at expenses, or in the fire he may try, he will never get ahead or the German officials of the Departfound. The principal of the college zines. In the most distant parts of goes all the fat, and there are Moods amount to anything much. In time, ment of Justice were ordered to proremembered something of the girl and the camp there was a startling break- and Tenses. No! Tell her that she this belief so undermines his ambition duce the former officer. thought she had been staying with age of windows, lamps and chande- locks a peach, and watch her sparkle that he gives up attempting to excel Roemer appeared at Mayence for friends in Toronto. The city directory liers; and the hotel bars and canteens at your speech. had a Margaret, and it was a Marg- call dynamite cocktail, a liquid com- on a Crutch, or dies of sheer starva- his life is a failure. aret that was wanted. It was decided posed of every liquor under heaven, tion, when all we need is just to say: to call on all the addresses. The first from Cape Smoke to Heidsieck and "By gum! You look A1 to-day!" one was that of a house showing signs Pommery. Witnesses of the explosion | So easy! Yes, so easy that we let creditable picture of ourself; if we to locate the exact spot. of wealth and responsibility. It hard- thought that hundreds of people had it drop unthinking, and get to giving doubt our efficiency, we erect a bar- The investigators were unable to ly seemed worth while, but the inspec- been killed and injured; but almost Tit for Tat, and Discord comes like rier between ourself and the power shake his testimony, but likewise they tors touched the bell, and almost im- miraculously, as it seemed, only two winking, whereas if we would prac- that achieves. mediately a refined-looking young wo- persons were killed, one a white, the tice Praise, a week would hold Seven other a black.

## A Thrifty Book Lover.

There are some singular discounts from mum or dad has bucked up many attended a country school many years house he went to a bookcase and, that country. before. She led the way to a lodging picking up a volume, asked the price. house in a near-by street, where the He then suggested that, as a publishinspectors captured two men and er, he was entitled to fifty per cent. seized the rest of the stolen goods. discount. To this the cierk assented. No more distinctly scientific body a greater income than an equal area One of the men a year previous had . "As I am also the author of the appear that I am again entitled to

Illness Cured by Merriment. the usual twenty-five per cent. dis- find suggestions of value. count? If so, I think I may as well take the book. What's the tax?" The clerk took out his pencil and

Your World Power.

Would you be at peace? Speak peace to the world. Would you be healed? Speak health to the world.

Would you be loved? Speak love to the world. Speak success to the world. For all the world is so closely akin that not one individual may realize his desire except all the world share it with him.

And every Good Word you send into the world is a silent, mighty power, working for Peace, Health, Love, Joy, Success to all the world-Including yourself.

# Silver Fox, Diamond of Fur Trade.

The silver or black-silver fox is a had then demonstrated that it was color phase of the common red fox possible to rear these very valuable found nearly everywhere in Canada. animals in captivity, so they bought Silver foxes bear the same relation to a few more wild foxes from trappers GERMAN OFFICER PLUNred foxes that black squirrels do to and continued to breed them. This gray squirrels, or black muskrats to fact they kept a dark secret from all brown muskrats. Through selective their neighbors; in fact, they did not breeding in captivity, the silver or even tell the immediate members of silver-black markings have become their families. After a few years, fairly constant and good animals re- when the number of foxes had inproduce true to type. In the typical creased, they killed a few and shipped silver fox, black replaces the red of them to London to the big auction the ordinary fox, the result being a sale of furs. So cautious were they beautiful black fur overlaid with a about the natives knowing their bustsprinkling of silvery white guard ness, that they sent the skins to marhairs. Between the ideal silver-black ket from different stations and refox and the red are all grades of ceived word of the results of the sales crosses, which, of course, are less telegraphed in code. The prices re- the looter, who, although poor, was valuable than the true silver blacks, ceived evidently were so high that the yet worth many times the cost of the fox farmers showed signs of great prosperity. At any rate, it was not The silver or silver-black fox was long before the "closed corporation" the first American fur animal to be was broken and the neighbors also be-

domesticated permanently. Back in gan to raise silver foxes. 1894 a trapper on Anticosti Island near In the early days of the business as Prince Edward Island, caught a pair high as \$31,000 per pair was paid for of beautiful silver foxes which he sold | breeders. Prices slowly declined until to Charles Dalton of Prince Edward the end of the war, 1918, but since the marauder. Island. He kept them on the Island then they have steadily advanced until one year and they would not breed. foxes for breeding now sell all the He then turned them over to a Mr. way from \$600 to \$2,000 apiece, and it Oulton who took them to Cherry is estimated there are more than 4,000 Island. Oulton was the only inhabi- of the animals on the Island tant on the island, and the foxes, not From Prince Edward Island the in being disturbed, raised the first pair dustry has spread into New England, of silver foxes that ever were reared Michigan and Alaska and into all of in confinement. Dalton and Oulton the provinces of Canada.

### Something the Matter With A Good Companion.

life with the conviction that some-

Lessing says: "The most agreeable of all companions is a simple, frank man, without any high pretensions to an aggressive greatness; one who loves life and understands the use of it; obliging, alike at all hours; above all, of a golden temper and steadfast as an anchor. For such a one we gladly exchange the greatest genius, the most brilliant wit, the profoundest thinker.

#### "Let's Praise."

cription of the woman but remembered of the camps, and terror-stricken peo- good for women, also men; and if honest effort to make good. that another young woman, who was ple rushed out of their houses to see they would be aiming at making Life should abound.

Of course, when Courting Days are ning in the home or the school, when pillaged the place thoroughly

Happy Days.

And it's the same with kiddies, too. not believe in oursives you Fathers and you Mothers. Just praise 'em up for what they do: don't leave it all to others. A Bit of Praise he paid a small newsboy for his

#### paper, "that you are putting up a good many new buildings in your France bought from the British all town." "That is the only kind we for a young man with whom she had orist was connected with a publishing the railway lines they laid down in put up here, sir," replied the little fellow, with a touch of civic pride.

Co-operation and "Elbow Grease".

To-day nobody argues about the day, and employer and employees necessity for good roads. That need is a vital one has come to be accepted without the possibility of "And as I am a personal friend of question. And here is the story of automobile and truck to their res- gets such a terrific grip on people,

izing that the funds available from far the greater number put in a full are ambitious for their children's taxation must always be inadequate working day of old-fashioned effort.

and the day set was June 22. Adver- as badges of honorably discharged ing picture theatres, attended by Would you be successful? tisements contributed by the two service, appetites such as many an 750,000 daily. daily newspapers asked for one thou- office worker seldom enjoys; for the sand workers to report for duty with farmer, the consciousness that the A silkworm new being produced in tools, a generous lunch and unbound- next time he had occasion to make the the United States will spin silk ed enthusiasm. Captains were ap- trip to town, either by car, or with threads of any desired hue, the colorpointed, definite areas assigned, and team or truck, he would find roads ing matter being inserted into the as the volunteers appeared they were that were roads in something more silkworm's food. assigned to certain teams, their indi- than name; for farmer and city man vidual preferences being consulted alike, a solidarity of feeling, a renewwherever possible. By mutual agree- ed community loyalty that will con- storage dam in the world, the Gouin,

alike contributed their fund of "elbow At seven o'clock on the appointed

"I see," remarked a gentleman a

day the teams sallied forth by way of the proprietor," Mark modestly con- how one community approached the pective areas. Naturally, the mascu- which eats into the very marrow of tinued, "I presume you will allow me problem -- a story in which others may line element predominated, but many one's being, like the money-worry, the wives accompanied their husbands, worry about the wherewithall to exist. In this case it happened to be the and greeted them at noon with lunchcouncil of industry in a small Western es more than welcome to famished they can stand almost any other sort town that first took the matter up. The appetites. Under the impulse of of trouble better than to worry about figured industriously. Then he said town in question is a progressive little cheery enthusiasm and good-natured where money is coming from to pay with great obsequiousness, "As near city, the centre of a fertile farming rivalry the work progressed as paid household bills and to keep the family and ranching country, and of late labor might not have done. There going. years a large oil centre. Appreciat- may have beeen slackers; if there ing the need of better roads, and real- were, they were in the minority. By and a large family and the parents

> vote that day toward the improvement moved; for the city men, a quantity age and poise. of healthily tired muscles, a supply of This plan found ardent supporters, blisters that were displayed proudly

# BELGIAN COUNT HAS NO REDRESS

DERED HIS CASTLE

### Heirlooms and Wealth All Gone; No Provision for Punishment of Thief.

Although he possesses the signed confession of the German officer who pillaged the Chateau Franc-Waret in Belgium during the early days of the war and has undenlable proof that living on the proceeds of a sale of valuable tapestries and the contents of several coffers of silver and gold which had been buried in the garden of the chateau, Count Jean d'Andigne, member of a noted Belgian family, was astounded by the discovery, early in November, that the peace treaty has not left a possibility of punishing

The plunderer, a man named Roemer, appeared before a Dagian court to give testimony, and after listening to his weird concection the judges found punishment impossible, but assessed the costs-35,000 francs-which the officer paid without a murmur. The Count's story of his losses and his subsequent efforts to recover at least part of his wealth is typical of what since the Allies decided to take only a limited number of German chiefs It is a terrible thing to go through | before the Leipsic tribunal.

#### Betrayed by His Servants.

When the war started the Count was thing serious is the matter with you, that you are inferior in some way to in Carlsbad and succeeded in reaching these about you, that you lack certain | France, but the rapid enemy advance ability or certain qualities which are cut him off from his chateau. The necessary for great success, or to Germans pillaged the ancient estate make your life count for very much, of its works of art with the conni-To drag through the years with the vance of former German servants, who belief that there is something wrong had discovered the wealth hidden bewith you, that you lack ability to do hind false walls in the cellars.

the thing you long to do, or that you | As soon as the armistice was signed have a serious handicap, physically or ! the Count decided to try to obtain jusmentally, that you are peculiar, queer, tice, but justice proved as fleet in the or inferior, takes the edge off your chase as did the German maranders. endeavor; it mars your peace of mind | While searching in the official records Let's praise each other now and and happiness; it deprives you of the the Count learned that Col. Keller, who ren." The teller could not give a des- to the farthest limits of the west end then, and not be always blaming. It's satisfaction which should come from is now working in a town hall in the occupied regions, commanded troops There are multitudes of people who at the chateau when it was pillaged. also at the wicket, had given a little a vast heaving cloud of smoke rising a pleasant round, in Compliments it have such convictions about them. The latter admitted taking several selves. They often have their begin- souvenirs, but said that a subordinate

> he hasn't the ability of others about chateau and the Count was unable to of two miles, and smaller ones to the And when Maria trims a hat, don't him, and that, no matter how hard continue the conversation until after

in anything. His whole character be- interrogation and signed a confession was next consulted, but of the five were so heavily pelted that the floors In short, we're chary overmuch of comes affected by this unhappy con- that he had taken the property, but families of the name in the city none were swimming with what we might due appreciation, and so Love hobbles viction of inferiority, and as a result persisted that he had reburied it in the woods several miles from the We can only do what we believe we chateau. He has returned there sevcan. If we hold in mind a cheap, dis- eral times, he said, but was never able

> were unable to ascertain how Roemer We may succeed when others do not amassed his present comfortable forbelieve in us, but never when we do tune, although there was testimony from Commander Keller to the effect that he, in order to avoid punishment for pillaging without permission, gave to his superiors "valuable presents." which are now known to have included heirlooms of the Count's family.

Moreover, Keller's home contains large stores of linens, laces and silks, as well as 100 cameras, which had accompanied him when frequent leaves from the front were granted to him. The fact that some articles have been identified by the Count does not worry either German or allied justice-Keller keeps what he has got and the aged Count has only the shell of the chateau to leave to his heirs.

## The Greatest Worry of All.

for such demands, the local council Was it a success? Well, consider cently, and to rear to be somebody, of industry evolved a plan. Briefly, the results. A good many miles of and after there is sickness and the this was to name a certain date as road smoothed and leveled, culverts little earnings have dwindled, the lit-"Good Roads Day," and to issue a call repaired and crossings improved, the savings gone, it takes a lot of stamto every public-spirited citizen to de- chuck holes filled in and boulders re- ina and character to keep one's cour-

ment the stores and business houses tribute much to future enterprises. at the head of the St. Maurice River, of the town and several of the sur-rounding villages were closed for the county and see. Was it worth while? Try it in your Quebec, with a capacity double that

keep it dry. Caroline moved into the

and then labeled the both

One day toward the end

them away on the pantry

## Zulus Are Loy

## Komantic

ed grains.

Glasgow wheat-though grown in Scotland, and the when they examined it, pronor a Galician variety. Investigation ed that the vessoi in the (