FEEDING NEW ARMIES IS TREMENDOUS TASK

Dishes.

has to do: The existing arrangearrangements were promptly enwith marvellous rapidity for the feeding of immense armies. Sir Redvers Buller is reported to have said that the feeding of an army-exceeding a million of men presented appalling, if not unsurmountable, difficulties. But these difficulties have been satisfactorily tackled. There is not a British soldier at home or abroad who has ever had to go a day without three substantial meals, except when actu-

ally fighting in the trenches. The work of feeding Tommy Atkins is performed chiefly by contract. Separate contracts are entered into for the supply of all the regulation in the British navy. at so much per head. Now, let us at a pressure of 50 pounds is used. take a military centre where, say, Under some conditions, submerged 10,000 troops are stationed. The contractor has to make daily deliveries planes and airships. of meat and vegetables and other articles of food for immediate consump tion, and weekly, or, possibly, month ly deliveries of other articles, such as tea, sugar, etc. The contractors for the army in France deliver the for longer than three hours. goods to the quartermaster-general at headquarters, from whence it is disthe British nav runs 6,000 yards, tributed to the different units. Not a day or night passes without ships. containing hundreds of tons of food for the soldiers, crossing the Channel; and day and night tons of food are heing distributed to the troops at home by rail and motor wagons.

Trained in Thousands But the collection and distribution of these immense quantities of food were not the only difficulties. The finding of a sufficient number of cooks a comparatively slow craft. Her best presented a gigantic problem. Clearly speed is seldom much over 16 knots it was impossible to get them from the civil population; but it was pos- if one of our submarines should b sible to make them, and in four sunk, the crew could, by donning suits trained under the direction of the army cooks at different military cen-What the number of army ooks is at present it is, of course, impossible to say, but it certainly exceeds 25,000. At a military centre where there are, say, 10,000 troops, other 100 general assistants would help in preparing the daily meals of supplement the work of the cooks' the surface about 4,000 miles without department and some invented dishes replenishing fuel. The limit of a con that have since obtained a wide popu. | tinuous under-water run is about 150 larity in the armies. Among these miles. was a genius who invented a remark. | Submarines are "blind" when subable dish in which cheese and bacon merged, and the chief problem in conformed the main ingredients. This nection with them is discovering a appetizing dish is now known in the means of seeing at a distance through army as "Polly," the nickname by the water. which its inventor was known in his When a torpedo is discharged.

by as chef did not, however, meet ine's tanks, so that the poise of the with such success or popularity. A vessel is preserved. story is told of a corporal who, left to his own devices in a camp kitchen, many had not more than 30 submarprepared for his company a dish that lines completed. Great Britain had a met with a very bad reception indeed. | flotilla of 80, and Franco one of about By unanimous consent the company 60, besides 30 small boats. lecided that the corporal should be empelled to eat the whole of the compound which he had prepared to satisfy the appetites of 120 men. The corporal, under compulsion, swallow- British Experts to Encourage Technied about ten mouthfuls of the mess. and the was mercifully allowed to retire to his tent. The dish consisted. so the corporal afterwards declared, made public a "scheme for the orof nothing but treacle, bread, dripping, ganization and development of scienand flour; but the general opinion, tific and industrial research." inadvertently flavored the dish with sistance to promote scientific research a powder intended for polishing bayo- with reference to trade and industra-Good, But Too Much

read and butter, bacon, or tinned of the Privy Council responsible for meat; tea. Dinner: Beef, vegetables, State moneys voted and for small am; tea. The food is plain and addition to members of the Govern-Indeed, there is rather too much and are: Lord Haldane, Mr. Arthur D. Acimmense quantities of food are land, educational expert; Mr. Joseph thrown away or destroyed. But there A. Pease, M.P., last President of the are some difficulties in avoiding this Board of Education. waste. For example, a contractor may nder his contract have to deliver daily supplies to a camp or military ist; Mr. G. T. Beilby, fuel expert; Mr. centre for 15,000 men. Perhaps 10. W. Duddell, engineer; Professor J. A. 00 of the men may be suddenly or. McClelland, physicist; Professor R. ered away at a few hours' notice. and it takes at least a day to alter wheat growing; Mr. B. Threlfall, enthe existing contract arrangements. gineer; with Sir William S. McCorm-Large consignments of delicacies lck, secretary of the Carnegie Scottish and dainties are sent to the front for Trust, Scottish Universities, as ad-Tommy by various people and or ministrative chairman. ttention cannot, of course, he paid to the delivery of these gifts as in given to the delivery of the regular supplies. Base has received the Distinguished To a battalion of a certain regiment | Conduct Medal in recognition of his tion there was delivered some eight the field kitchens, which have never of Turkish delight. The men revelled British bread for the satisfaction of in this delicacy until they became so hungry Tommy at the from." says the

Most of the Separate Articles of the battalion. Why all these cases of the delicacy were delivered to the battalion in question is one of many arate Contract—Cooks Number. similar mysteries of the war. Another battalion, in much the same way, received a gift of twenty-five thousand

The feeding of the armies has, it may be mentioned, made the packing The feeding of the British armies cases industry busier than it has is an even bigger and more complex probably ever been. A quarter of a million packing cases, of varying Tar. The War Office never antici- sizes, are used every week in deliverpated that it would be called upon to ing the food supplies to the army. The feed such immense armies as it now firms making these cases are working has to do. The existing arrange night and day, and there isn't an unments for the feeding of the army employed man in the industry anywhen the war broke out, however, where. The numbers of men directly sufficed to meet immediate needs; engaged in the busings of supplying the armies with food probably extered into and got into working order ceeds 150,000. One firm of contractors employs 20,000 men in packing and delivering goods for the army.

SUBMARINE FACTS

Britain's early submarinea \$175,000 each. Officers and men on submarines reccive extra pay. Modern submarines usu lly carry

six or eight torpedoes. Till 1901 there was not a submarine articles of diet to each military centre | For the expulsion of torpedoes, sir

> submarines can be seen from aero-The submarine's deadliest enemy is the destroyer, which, at its best, can

> run 46 miles per hour. In the British navy submarines must not, as a rule, remain submerged A Whitehead terpedo as used

> travelling part of the distance at the rate of 50 miles per hour. On the surface submarines derive submerged, they are driven by elec-

For consumption beneath the waves, air is stored in a submarine under the great pressure of 2,000

Even on the surface a submarine is

months at least 10,000 cooks had been something like a diver's, come to the The eye of the submarine is th periscope, which is a tube not much thicker than a man's arm, with re-

flecting prisms at each end. in our navy no man is forced to serve on a submarine. The crew con-100 cooks would be employed, and an sists of volunteers, of whom ample numbers are always forthcoming. The sting of a submarine lies in the troops. When the new armies her head or tail, because there are were rapidly growing, and there was her torpedo tubes. She cannot sink a partial shortage of cooks, Tommy an enmy ship while broadside on to it. would often cheerfully undertake to Modern submarines can travel on

water to exactly the same weight All the culinary inventions of Tom automatically flows into the submar-At the beginning of the war Ger-

TO TAKE HUN TRADE

cal Training as First Step

The British Board of Education has upported almost by incontestable special need exists now for new maence, was that the corporal had chinery and for additional State as-Localization of certain industries abroad, particularly in Germany, has the regulation army menus are since the war emphasized this need, enerally as follows—Breakfast: The scheme establishes a Committee udding. Tea: Bread and butter and advisory council of scientific men. In some, and there is plenty of it, ment, the first non-official members

The first members of the council will be: Lord Rayleigh, O.M., physic-Meldola, chemist, applied science to

Honor For Master Baker

"The Master Baker at the British aployed on the lines of communical excellent and untiring supervision of indred cases containing several tons failed in turning out good, honest sick of it that it was dangerous, even. London Daily News special corresto mention the words "Turkish de pondent. "He also serves who only ht"-in the presence of anyone of stands and bakes."

AN UNENDING STREAM OF CANADIAN FIGHTERS



New troops from Canada being land ed at a British port en route to the war front. The censor carefully scratched out the name of the ship which was shown on the life preserver attached to the railing.

HUNS LAND KITCHENER

New Armies

In an article anticipating the splenlid power of Britain's new armies, the Berlin correspondent of the Kolnische Volks-zeitung paid a high tribute to the organizing talent of Lord Kitchener, and says "even German envy

THE WAR MACHINE

Writer Anticipates Much From His General Joffre's Men An Army of Heroes

It is log since General Joffre said | front, this long front through Franch, elements and is not equal, of course, diers than the new pollus, writes an mate them." dig a subterration passage through of the bayonets. It is announced that more than which they emerge unexpectedly and "I remember one sortie worth of has been signed by over 150 people \$500,000 a day is paid in England by surprise the enemy, or they fix a small Arras. The Germans expected to of distinction and authority in Great Why Popular Name For Emperor Is the Government to the wives of men alarm bell in a trench and whenever find infantry in our trenches but we who are at the front or in the train- they ring it the German open a fur- secretly replaced the infantry with names of Lord Bryce, Lord Burleigh, ious fire, wasting tons of ammunition cavalry and the result was a very Lord Reay, Sir George Trevelyn, and without doing the least harm. Some unpleasant surprise to the Prussians. the Archbishop of Canterbury, 10 times they construct sham batteries. They no longer attack a trench de members of the Order of Merit, 15 sian sovereign whose official title was Recent experience has tended to conceal them clumsily and when the fended by our horse guards." show that carrier pigeons and other birds of passage are guided by magnetic currents. M. A. Thauzies, a middle-aged soldiers whom life has middle-aged soldiers whom life has presentative authors, painters, scholthat on two occasions when pigeon in the highest degree the Gallic race's "It was formerly believed," the The signatories say: We desire to in special clauses of international flights were unsatisfactory magnetic elasticity, faculty of improvisation, general replied, "that the men from place on record our admiration and treaties, been recognized by all Powstorms were occurring; and the courage and resistance, and common Southern France would be superio: respect for the conduct of Italy ... ers. In this way only (says Mr. P. G.

that L. knew no reserve troops any which has moved like a razor, clowly more because the territorials had be but surely eastward, razing every must admit that his recruiting has come as hardened as the younger thing in front of it-men, houses, been an organizing performance of troops. Very often the married sol- trees, forests and villages. I asked the very first rank." The article condiers and fathers of families who a French general which troops at the tinues: "Certainly the new army is served their military term fifteen to front he considered the best. "It is composed for a great part of inferior twenty years ago are even better solvery difficult to answer this quesin quality to the old small mercenary American. Anybody who knows any. tion," he replied, "but perhaps the English army. But war experience thing of the lower classes in France cavalrymen now fighting as infantry will come with time to these young does not have to be told how resource | are the most wonderful of all. Among English troops, just as to our own, ful these peasants and workingmen these, officers and men are true com- Notable Men Place on Record summated, and we wish heroic Italy and in view of the good military tal- are when in a difficult position. Life rades even more than in the other ents of the English people they will has been their teacher; time and arms. Physically our cavalrymen are soon have become valuable. These again they found themselves in face superior to the rest of our troops. young English troops have already of difficulties which seemed insur They are all picked men, strong, shown that they are enemies to be mountable, but they have always splendidly trained, intelligent and enrespected, and nothing would be a found a way out, .nd so they do now during. When they attack the Gergreater mistake than to under-esti- as soldiers. In one night they will mans they use their lances instead

berserks, who thirst for revenge.

Airmen Discount Hardships Our fliers, too, are marvellous and days of August, 1914. have accomplished wonders. No pro- Italy has had a still harder path to peotry.

drove back an entire German division civilized world. and at Courtral I saw three of my She made her decision at a moment Republic Trains Them Well For Usebombs kill more than one nundred when the prospects of early victory

endures with never-failing patience, congenial to ourselves.

THE PRINCE OF WALES MAY WED ENGLISH GIRL

Law Would Have to be Changed But no Union With German Princess Would be Possible For Many Years to Come-Innovation Would be Popular

Family 'or many .. long year to come. British Empire. It was the settled at the first good opportunity. intention—of the K and Queen that the Prince of Wales shall not marry anyone who has not been brought up is as ancient and honorable as that in the Protestant faith.

marriage of the Prince of Wales has chosen from among these ancier been suggested in quarters close'y in families of the purest English d touch with the Royal entourage that scent? The surpension or repeal the Royal Marriage Act should be re. the Royal Marriage Act would. pealed, or, at all events, sus cnded course, be bound to influence pri eign must wed someone of Royal English Royal House. blood, otherwise the marriage is morganatic union. If the Act were re- | There are some who fear that it pealed or suspended, the heir to the would weaken the monarchy, or posthrone could marry the daughter of sibly give rise to conflicting claims an English peer, or even a commoner, to the throne, such as in ancient days and the marriage would be valid. led to civil war; but there is no real Were the Princo of Wales to marry justification for such fears. The war the daughter of a great English aris- has tended to deepen the affection of tocratic house, there is no the least all classes for the monarchy, and it doubt that such a marriage would be is more firmly established than ever astly more popular in the Empire in the affections of the English people than would any foreign alliance, and A story has been told of the Prince it is at least possible that, after the of Wales that on the night when the war, this may happen.

Royal Alliances Useless ereign have ere this married the sons found her Royal Highness writing of peers; and nothing really stands some letters before retiring. "Mary, in the way of the future Princess of exclaimed the Prince, "we are going Wales being a lady of pure English to war with Germany, and now I shall descent, except an Act of Parliament | not have to marry a German princess that can very eas'ly be altered. Al. thank goodness.

As a result of the war a serious liances by marriage between Royal problem has arise in regard to the Houses of different countries in days marriago of the Heir Apparent to the gone by were often made with the British throne. It is quite certain idea of preserving peace between that there can be no alliance between them. B. in later days it has bethe English Royal House and that of come quite obvious that peace canany branch of the German Royal not be preserved by Royal alliances. At one time there was talk of But the hard fact remains that, outside German Royalties, there are carious difficulties in the way of finding a suitable bride for the soldie son one thinks it would have had the of our Soversign who is one day des. least effect upon Germany's long-con tined, if he lives, to reign over the ceived ambition of smashing Britain

of the Royal House. What more A way out of the difficulties that natural and fitting than that the fur have arisen in connection with the ture Queen of England should be Under this Act the sons of the Sover. foundly the future destines of the

Strengthen the Monarchy news reached Buckingham Palace war was certain, the Prince rushed The daughters of the English sov. off to his sister's boudoir, where he

Britishers Appreciate the Conduct of Italy

Where Credit is Due_Fighting towards the h. oic Italy of the Risor For Liberty.

An open letter to the Italian nation Lord Mayors or Lord Provosts of the "Tsar of Russia." At the request o

when attacking the enemy's trenches, this supreme crisis in the history of de Wesselitsky in "Russia and Democoming often uncertain and erratic At present young and old troops but special circumstances have exert the world. Italy and Great Britain cracy") can a Russian sovereign besince wireless telegraph; came into fight alongside each other in nearly ed their influence upon our men from are companions in arms, fighting side officially addressed. Ever since, all all the trenches along the entire the North. Refugees escaping through by side for the triumph of the same educated Russians have always spokthe German lines have teld them hor- cause. Circumstances drew our own en of their sovereign, in a foreign lanrible tales committed by the Germans country into the conflict from the be- guage, as "The Emperor," and in Rusin the occupied departments of Nor- ginning, while the ghastliness and the sian as "Gosoudar Imperator," of thern France, and these stories have magnitude of the task before us were simply "Gosoudar" (Sire). The title transformed our northern troops into still only dimly manifest, yet none of "Tsar" is still greatly used by the us will forget the crisis of decision peasants, who likewise use the word through which we passed in the first "Gosoudar." It is also often used in

gress would have been possible with tread. Immediate action was not her out them. What they suffered from part, and she had to bear the strain particularly those who have been in exposure no human pen can describe. of nine months' suspense before her Petrograd, generally, use the official Most of the time in the winter they hour of decision arrived. During these appellation of "Emperor of Russia." have had to fly at a height of two to nine months she saw all the estab- while with the public the former title. three thousand metres where the tem- lished regulations and mitigations of "the Tsar," still mostly private, meanperature is Arctic. Only an explorer warfare swept away by the enemy's infl exclusively, "Emperor of Russia," appreciates what these men have systematic and cold-blooded resort to strictly speaking, says Mr. Wessel methods of a crucity to non-combat. isky, it is no longer correct, for the At the front I met Lieutenant ants unprecedented in modern history. Bulgarian sovereign bears the title of Magnin, one of the most daring of Yet, in spite, or rather because, of "Tsar of the Bulgarians." Since French fliers, but with the modesty of all which she knew she would have Alexander I. all Imperial Manifest all true heroes he declined to say to face in a conflict with the Gerare issued in the name of "Emperor anything about his own sufferings. "I manic powers, Italy nerved herself to of Russia, Tsar of Poland, Grand know," he said, "that some of my the ordeal, resolved to do her utmost Duke of Finland." bombs have done considerable dam- towards securing that such horrors age. Once while flying with eleven as Belgium saw and as the ocean had other aviators near La Bassee we seen should never again threaten the

Germans," When I praised his cour seemed remote and only the arduousrage after once seeing him operate ness and imperative necessity of the above the German trenches in a hail task were apparent, and she had to arms at our side, and we feel that an ing those who have been placed hor

sank by an undes-water craft, by right that inspire our own endeavors victims to follow the trade or earnestness in our hearts, that her a home for themselves

to know from our own lips that we Their Gratitude, Giving Credit feel towards her as our fathers felt national aspirations will now be con

NO TSARS OF RUSSIA

Now Incorrect

Peter the Great was the last Rusars, scientists, statesmen and divines, peror of Russia," which has gradually historical works, in oratory and in

BLIND FRENCH HEROES

ful, Happy Lives

All sorts of practical schemes are of shrapnel which once caused his reach the decisior through a series being developed in France for the asmachine to capsize he interrupted me: of the most complex diplomatic ne sistance of soldiers blinded and mutil-"I was really in no danger. All I had gotiations, which demanded the cool ated on the battlefield or in the to do was to steer an erratic course, est judgment and most perfect mutual trenches. M. Brissac, the director of People are apt to exaggerate the risks confidence from both Government and public health, is being ably assisted of military flying. The real heroes people. At last the suspense is over, by coadjutors and the enthusiasm of this war are the soldiers in the Since May 20, 1915, Italy stands in women eager to be useful in succor-And Magnin was right. The hero expression of this comradeship on the de-combat by the war. "The idea is of the war is not the flier, not the part of a few among her British to give the men," said M. Brissac, "a man in the submarine, who braves friends—we say a few tecause every new interest in life. First, they are the dangers of the deep. The real one in these islands is Italy's friend- taught the Braille, alphabet, 7 Then hero is the man in the trenches who would be both welcome to her and they learn how to make brushes and stick, straw-plaiting and basket work who for months lives the life of a The Italian people is at war to mole, speing nothing, experiencing liberate its own brethren from an old sage taught by a trained professor oppression, and to avert from the whole of Europe the threat of a new to set up the wheels of automobiles." The era of submarine warfare be military domination. Italy ha staked Among others, M. Vallery-Radot has United States sloop Housatonic was of nationality, humanity, and public of the Blind Soldiers," which teacher means of a torpedo at the end of a in this war. We hope, with all the fession they have learned and to find



How long will the ammunition hold out?- From John Bull