THE TORPEDO TELLS HISTORY OF ITS LIFE

Very Modern But Wonderful, Death dealing Invention Plays an Important Part in Naval Warfare Makes Submarines a Terror-Travels at Great Speed

of it, though I am'not its oldest mentber. The towing and other torpadoes are also my superiors in point of age. When, however, the public speak of the torpedo; they mean me, the fish or self-propelled torpedo. And I am undoubtedly of much greater utility in modern naval warfare timaks largely, I admit to the submarinethan all the rest of our family put together. I am no less pronu to say long since adopted by every havy in owe something to Mr. Lapin, of the I formerly bore. In fact, I am still frequently called the Whitehead torpedo. Though I am still comparatively young for I was born a little later than 1864 | have, of course, altered

Shaped Like Cigar Cirar-shaped, and made of steel or phosphor bronze, I am from 14 feet to 19 feet long. My head contains the charge (200 pounds or 300 pounds, according to whether my diameter at the thickest part is 18 inches or 21 inches), which explodes by percussion with fearful force, and behind that is a chamber containing compressed air for driving the engines.

a good deal since my early days.

Next comes the balance chamber the depth of my submersion, varying from L feet to 20 feet. Then come the engines which propel me. There is then another chamber the buoyancy chamber-and, beyond that, my tail, which consists of propellers, rud-

Now, what nappens when I am charged from a tube? Instant'; the valve centrolling the supply of air to the engine is opened, and, as the sengines begin to work, my propellers revolve, driving me through the water. At the same moment, a gyroscope is put unto rapid rotation, so as to keep nie ' my course.

Express Train Outdone

Tren! If I am 18 inches in diameter, I can cover 6,000 yards at 20 knots an hour, 7,500 yards at 28 knots, and 1000 yards at 36 knot But, good as this is, it is not my best performall express train-to be precise, 48 tuan 12,000 yards. Yes, there have been great changes in my time. When I was young, special boats called after me torpedo boats were constructed to tire me at big vessels, and like reactived me. Now, sub- line. The only instances on record of battered, and here we left the buses methods of other countries. marines with my gid are proving upon armor being used in the wars of the and proceeded on foot. both! Yet the first torpedo boat was nineteenth century are the steel-line

ELECTRIC PANTS

Pants warmed by electricity is the latest invention. It is described by its originators, an Innsbruck professor who is at present serving in the army, Ours is a big a very big family. Max Reck by name, and the well known Vienna professor of medicine,

> Besides the confort this garment winter, it is pointed out that electrical pants and likewise, an electrical arm warmer, might be profitably used in airships and neropianes. It appears rom the description given that exremely supple but stiff electrical warming wires are woven in with the stuff, which is itself made specially ith a view to insulation. The pants re put on like any other, and fed by ables at a distance of a hundred yards

The wearer can himself connect and disconnect the heat conductor. expense is 3 cents an hour. The cost f manufacture is estimated at from

GNASHERS OUT AGAIN

Prisoner's "Hymn of Hate" Rebuked By German Socialists' Paper

The publication in the "Deutsche 'agezeltung' of another hymn of hate has called forth from the Socialist Vorwarts" a strong protest and also a tribute to English humanity. The poem written by Herr von Knies, was nutted "Prisoners in England.

An imaginary prisoner in the course of an barangue is made to say: "Here we are lying like beggars in the frost by the open door. We cannot fight her. We greet with joy the arrival stroying bombs. Every bomb shows you. English, how we hate you, and they were to hit us ourselves we should not complain. It would be the end of our sufferings, and better than English justice. We only feel like dogs the stripes laid upon us by our

Ancient Warfare Revived

There has been an unexpected revival of ancient weapons in this war. Elizabethan helmets, grenades of William the Third's time, and Roman catapults for the trenches. Murder ous bowie-knives have also been recommended for underground fightthat the grenadiers and bayonet men Calais. of the bombing squads are taking to

Steel in Warfare Again

Bagdad: City of the One Thousand and One Nights

The Ancient and Storied City is of the traveller "the golden prime of Not Well Kept or Clean-Squal-Railway Many Mosques.

Immortalized by Haroun al-Raschid in the story of the "Arabian Nights,"

Raschid the Jews has been the lead- sections have been constructed. ing agures in the commercial world of Bagdad. There are 50,000 of them. with about 8,000 Chaldean (or heret) cal) Christians. The remainder of the population is made up of Persians. The Length of time That Countries same as the first. Almost as soon as Sindbad the Salior was born at Bagdad, and all his marvellous adventures begin by lets going down the Tigris to Bussorah (the modern Basra), the way the British expedition came up

Militarity, Bagdad is of no great im portance, but the moral impression which its fall would make on the Arab and Persian frontier tribes would be very great.

Of late years many European houses have settled agents in the city, and Britain, France, and Russia have con 1897. The Crimean War was a matsals there. Dates, wool, grain, and ter of a little more than a year, while timbac (a substitute for tobacco) are the Franco-Prussian War was prac-

The city stands on both sides of the Tigris, the two parts being connacted by the famous bridge of boats. 220 yards long. A brick wall, five miles in circum-

The city contains upawrds of 100 imosques, though barely twenty of sm are in use. The houses generare old, dirty, and ugly outside. the vaulted cetlings, rich mould under arms.

good Haroun al-Raschid

Bagdad, which has a population of Basra by Bagdad through the Euphra- would not bear a second glance, much der grandfather's chair, or under a subterranean springs began to rise. A

found on ancient bricks establishing construct the first section, and this to a place where our men had evident the most likely place and one may be still growing.

WHEN MARS REIGNED

Have Striven Against Each Other

expects, will be the minimum length lying so close together that it was imof the present war, and it is pointed possible to put a foot down between . out that if it lasts until the autumn them. They had nearly all died of tired sallor, who fegards his porch of 1916 it will have been longer than bayonet wounds. After burying them any great war in Europe since the we worked our way along the same

1912-13 was a matter of weeks. So 'Here's one,' or a growl of 'Keep that For weeks they had been in the same were the Serbo-Bulgarian War of light down, you'll get us shelled." 1885 and the Turco-Greek War of exported, and a number of horses are tically decided in a month, although Paris was holding out three months afterwards.

The Russo-Japanese War lasted about tweive months, as did the Turco-Italian War of 1911-12. The Bock War ran for two and a half years. ference and 40 feet high, surrounds but that cannot be called a European war. The American Civil War lasted

Twenty thousand French priests are



Searching For the Dead is Soldiers' Worst Task

English Trooper Sends a Thrilling Description of Nights at This Terrible Work-Has its Dangers-Sudden Death is Easier.

England regiments in a vivid narra- stalled on his throne. tive described the search for the dead over the big battlefield in the Pas de cause he is a zealous soldier and a ridor of the Queen Alexandra Military

Only Germans Found

bearded and spectacled German, who might have been a schoolmaster, the sort of man I should have accepted as a friend had I met him at home The streets are narrow, crooked, before the war, whereas, I reflected, or and Dirt Abound-Its Great unpaved, and dirty, full of ruts and had I met him a day or two before strewed with garbage, which, however. I should have whot or bayeneted him. their hands.

A Gruesome Job we started we found more than twenty German bodies in a section of what Three years, it is stated by some had been their first line. They were roud as the night before with scarce-Each of the two Balkan Wars of ly a sound except an occasion cry of

Enemies Exchange Witticisms 'How deep is the mud with you?" shouted a German soldier in Flanders, visible from the sky. Every day they His voice came from behind a pile received their London papers and letof sandbags which divided the enemy ters from home. When they were and the British in a communication needed to help in making war, all trench. "Up to our blooming knees." they had to do was to slip a shell in said an English corporal. "So? You the breech, and send it with their comare lucky fellows. We're up to our pliments to the Boches. They were

Greece Poorest Country Greece is the poorest of the Euroonly \$1,000,000,000, or half that of the gun mussles." nge, thiaid mirrors, and massive gild. Salads were first made in Holland and Denmark are all about equal in point of natural wealth.

JAPAN'S EMPEROR

back thousands of years, Yoshihito. A trooper from one of the West of Emperor of Japan, was formally in-dealy recovered speech through the

Japan is proud of her Emperor, betrue son of the people, while no man Hospital at Millbank. In the same hos-"A few minutes' sharp trotting," he in Japan is more proud of his country

neavy brass head, is both fashionable patch, and pegged down for the night. Yoshihito's youth reminds one of "By ten the next morning we were that of the king of Italy, for he had in such a mess that the brigadier to triumph over a delicate constitution. moved us into billets. A few days Outdoor life and systematic exercise, Recently, Corporal Leonard, who was later we were to furnish eight men however, built up his physique. He bereft of hearing and speech, went to Many Freuch soldiers wear a steel per troop to clear up the battleground indulged in walking; mountain climbthese produced torpedo boat destroy helmet as a protection from shrapnel, of the recent advance. A journey of ling, and displayed an early As the film revealed the antics of the go out in front and at any rate try to ers which as their name indicate, and the War Office sent out a supply several hours by motor bus took us passion for soldiering by studying the were for catching or sinking the wasp- for the British Tommies in the firing to a small town which had been badly military literature and military

"After a walk of about three miles tume, photography being one of his ears, which seemed about to burst. we came to half a dozen dead horses favorite hobbies. He is also an ac- Then to his agreeable surprise, he and broken limbers. We were in complished poet. His wife, Empress heard a shout and found that it was structed to collect all bodies, search. Sadako, is a woman of remarkable his own voice. ing our own fellows for identity discs culture and accomplishment. The and pay books, and the Germans for Emperor married in 1900, and has three children, all boys.

the Coolness of the British Gunner

was completed and opened in 1904. ly been caught by a Maxim; they there. One field battery I have in Ever since the days of Haroun al. Since then several other important were lying very close together just mind, placed in an ordenard. Which as they had dropped, some of them orchard, of all the thousands along the still had their rifles firmly gripped in British front, the German staff may guess if they choose. If German guns fired at all the orchards one by one they might locate it and then, again, and to have an eyo for the cometiness of things. These had a lawn and a garden, and tables and chairs. If you as a quarter-deck, and sailies forth to remove each descending autumn leaf from the grass, then you know how position, unseen by the German aeroplanes. They had their daily baths; they did their week's washing, taking care not to have it where it would be camping out at His Majesty's expense in the pleasant land of France in the joyous summertime; and en the roof of sods over their guns were pots of pean countries. Her total wealth is flowers undisturbed by the blasts from

> During the Siege of Parts long-tailed rats were sold at 75 cents per pound

IRISH SAMARITAN ONE OF WAR'S THROB TALES

Why Private Simpsoon Will For Ever be Known as One Who Died That Others Might Live

A hero of Anzac, who is not mentioned in any despatches, but who figures frequently in the home letters of Australasian survivors of the early, fateful days after the Gallipoli landing, is a certain stretcher bearer. His real name was Simpson, but for some unaccountable, reason he got to known as "Murphy." Many an Australian lives to bless "Murphy's mules," There were so many wounded to be taken into safety that Murhpy com mandeered a pair of mules, and officers connived at the theft when they dash forward himself into the firing simple words, he is worn out with voice near them sounded like a voice

Always Cheery

wounded cried out to the overworked for a bit. When well enough he "carstretcher Dearers. "For God's sake ries on" with the dull, necessary send Murph's mules!" The mules things behind the firing line. were found grazing contentedly la Shrapnel Valley and Murphy? had done his last climb to the top of the hill. "Where is Murphy?" asked one of the 1st Battalion. "Murphy is at Heaven's gate," answered a sergeant, "helping the soldiers through."

MIRACULOUS CURES

Many Heroes Returning Deaf and coming in. Dumb Are Again Restored to Health

The case of the blind Canadian private whose sight was restored miraculously through the shock of be ing thrown into the sea from the torpedoed liner Hesperian is but one of many startling cases of marveilous recoveries which have occurred during the war. A few months ago an entertainer was giving a performance before wounded soldlers in a Bristol iospital, when Corporal Stevens. the 2nd King's Royal Rifles, who had been rendered deaf and dumb in Flanders, suddenly burst into loud laughter, and to the amazement of doctors and nurses showed that he had miraculously rec vered his speech and hear-

With elaborate ceremonies dating been rendered deaf and dumb through the bursting of a shell at Mons sudpain brought about by placing his hand on a hot water pipe in the corpital Lance-Corporal Fowkes, of the says, "and then we formed up with than Yoshihito, who rules its destin- 18th Hussars, who was rendered blind at Mons, and whose case was regarded as hopeless by the surgeous, received special X-ray treatment with the result that he regained his sight well known comedian Billie Ritchie. the risible faculties of the soldier were

which have been worked for more than prisoners in their hands. Mr. Frederick Palmer, the accredit a hundred years and are very deep. ed American corespondent at the Brit- in some places the quarries extend is for the most part removed by dogs, if not cheerfully, at least dutifully, ish Headquarters in France, describes considerably below the sea level. the public scavengers in the East. As we went on the bodies became some visits he has paid to British bat. When the war broke out work came In 1902 an irade from the Sultan more numerous, both Germans and teries. Hereafter I shall not be sur- to a standstill, as most of the employes. gave powers to a German company to British. Most of the wounds were prised," he says, "to see a muzzle pok- were called to the colors. The pumps construct a railway from Konich to small and clean, but some of them ing its head out of an oven, from un had to be stopped and the water from about 150,000 was built on the ruins les valley, a total distance of 1,550 less a description. Most of the Huns farm wagon, or up a tree, or in a lake formed and it now covers a large still wore their respirators, and some servant's garret. Think of the last part of the basin in which the quarries back to 2,000 B.C. Records have been in 1903, with a capital of \$750,000, to their heads. After a while we came gun and one may be there; think of a mile wide and 120 feet deep, and

A Diminutive Hero

In a list of V.C.'s Lance-Corporal roared. "What's 'urting you? Arthur Vickers, one of the winners, is you see anything funny?" The next night was practically the they might not. Besides, this is a He has, in addition to the V.C., re- if it had been anywan else save yer and a pilot dare not, for fear of hid eign service before he was accepted. in' what a laugh we cud have had when a tract of land lies in darkness

TOMMY AT THE BASE IS FULL OF HUMOR

The Soldier, Wearied by Incessant Fighting and Din is Sent Back Beyond Reach of Trench Life-Very Cheerfully He Sings and Jokes of Discomforts on the Firing Line

Tommy down the line is a notable patriotic enough to ask him if he or on the lines of communication, ner. many miles from the firing line. The majority of down-the-line Tommies are those who have been up the line the longest, and who have been fortunate enough to escape being woundline to save the wounded. Churphy's incessant fighting. His timbs have be nothing more than: come shaky from continued exposure. "Sing me to sleep where the bullets and his senses of sight and hearing more or less impaired from the unending shock of explosions. Often his Day after day he climbed the hill, health is permanently affected by the smiling and cheery. But one day hardships he has undergene, although 'Murphy's mules' came not. The a few weeks in hospital set him up

At Cinder City

their bit up the l'ne, carry out such smile every time. work as minor drainage, erection of Sometimes, of course, he recovers new, camps, and h. many ways mak- his healt. sufficiently to be sent back ing hings comfortable for new troops to the trenches. But this is a rare

is a splendid chap. If you are un- for the firing line again.

person. "Down the line" means to be not "fed up" with the base, he will stationed at the base of operations, reply in the most non-committal man

Homemade Verse

Back in his camp he gets up conhis songs, whether he sings of his lest ed, or if they have been wounded only girl or his country. Amusing, too, are very slightly. Tommy usually gets the parodies that crop up at these London Territorials would ask for

Let me forget the world and all; Damp is my dug-out, cold are my feet. Nothing but bully and biscuits to eat. innocently replied that he was waiting

Another Tommy would regularly in the trench, where the rain storms continually drench.' While old Jock, the comedian-why was discovered one night nearly choking Taffy, of One of the oddest camps for these the Welsh Fusiliers, during a friendly men is at Cinder City, which, not very scramble, and when asked to desist, long ago, was a swamp by the sea; for Taffy to speak-was a great favorbut a company of transport workers ite, possessing, at the member of the buried the marsh in cinders, and now Canadian contingent used to put it, a the inhabitants, who have all done natural figurehead that made you

occurrence. He is generally vaguel; Individually, Tommy down the line spoken of as "for some reason unfit

HOW HEROIC CHAPLAIN MARCHED TO SAVE MEN

Eight bombers attached to a well known regiment went out about nine o'clock one night and when dawn came they had not presented themselves. It had been a terrible night, black as ink, with the cold of the north and the rain of the tropics. As the morning wore on, the regiment pictured their comrades lying wounded and dying in the mud and the slush and decaying orn. If they their comrades were not prisoners hey would lie out there amongst the barbed wire, rank grass, and wasted

Whilst they were thinking in this tached to the regiment came up to in its argument this paper says: the firing line, and volumesered to ind the bodies. After joine hesitaknelt in prayer. Then with the same alive to-day he would never have sign calm step he returned to his own line ed the manifesto of the German intelis the formation of a new lake near He had four identity discs in his hands lectuals, like Siegfried Wagner, Prof.

. The Humor of Drilling The drill sergeant was real mustard, and the recruits were having a bad time. The weather had been very wet, and the parade ground was still slippery. In doing a movement smart ly, as an example to his men, the ser geant slipped and fell full sprawl, and maturally the "rookies" could hardly repress their mirth. on Murphy's grinning face.

only 5 feet 2 inches. When war broke "No, sorr," gurgled Murphy, tact night, even when there are lights to out he had to apply six times for for fully. "But, shure, Qi was just think- steer by, is sufficiently difficult, but

"Well, you grinning hyena!"



The Wounded French Soldier: "And they told me that I would get a rast in hospital!"-La Baionnette of Paris,

ALL FRENCH THEATRES BAN GERMAN MUSIC

Plea to Banish it For "All Times"-Proof That Beethoven Though Born in Germany Was Anti-German

German music has been banished from all French concert and theatre programs. A number of French musical, patriotic and other societies passed resolutions urging the government to prohibit the prooducing of German operas by law "for all times." There is opposition to this campaign of hat red, however. Several musicians and literary men of note have expressed the opinion that the French music lovers should not be deprived of the work of the great German composers. Even the "Revue Bleue," which otherwise is very violent in its denuncia tion of everything German, comes to the conclusion that German music is not exactly a danger to France and demands that at least Beethoven should be taken from the blacklist

Beethoven No "Boche" "Beethoven was born in Germany, tion his request was granted. Don- lived there and died in Vienua, but touched. He felt a burning in his ning his surplice and with a crucifix he was not a German. His ancestors proceeded were Flemish and he must be classed down one of the saps and climbed as a Belgian. In 1792 he wrote: "Do out into the open. With their eyes as much good as you can, love liberty glued to periscopes the British line more than anything else and never watched him anxiously as he pro- become a traitor to truth." Such senceeded slowly towards the German timents could not have been expressed lines. Not a shot was fired by the by a Boche. The composer had the enemy. After a while the chaplain idealism of a Frenchman and his was seen to stop and bend down near works are therefore worthy to be the German wire entanglements. He heard by French ears. If he were Ruedersdorf, a few miles from the and reported that the Germans had Humperdink and other pigmies." At German capital. The village of Rue, held up four khaki caps on their rifles, a recent concert in Paris one of the dersdorf has large limestone quarries indicating that the other four were sonatas of the great master appeared on the program but the police would not permit it to be played, as hostile demonstrations were feared.

THE ZEPPELIN FAILS

From a Military Point the Giant Gas Bag is Useless

in spite of all that the Germans claimed for Zeppelins the Kalser's air Getting up with all the dignity he menace has proved a failure. In the could muster, the sergeant's eye fell first place, Zeppelins being obliged to manœuvre at a height of several thouhe sand feet and at night, the bomb drop-Do pers have been unable to achieve any effective marksmanship. Flying by den guns, descend close enough to earth to reconnoftre, and when, in ad dition, he is flying above a foreign and unfamiliar country, his difficulties. in navigation are very great. The fact, too, that Zeppelins are threaten ed by hostile aeroplanes as well as high-angle guns has made airships waste bombs over undefended tracts

in regard to attacks from hostile aeroplanes, the Zeppelfn is certainly very vulnerable if an aeroplane can get above it, but, if necessary, a Zeppelin can climb at a' speed twice as great as that of an aeroplase carry ing two persons and a load of bombs There are, however, certain single seated, powerfully engined a croplanes specially set aside for airship attack in which a pilot ascends carrying with him no greater burden than a few incendiary bombs, and which can be made to climb at a speed appreciably greater than any two seated craft which carries a machine gun. It is such machines as this, stripped for speed and vying with Zeppelins in the race for altitude, that the airship pilots have chiefly to fear.

-----Queen Mary prefers lavender scent hefore all others