

THE NEW FLYING TORPEDO OF THE GERMAN ARMY

The New Aerial Terror Was Invented by a Swedish Officer and Sold to the Krupp Firm.

ROTTERDAM—Germans here are impressed by our establishment of an Inventions Board, with Lord Fisher as chairman; and observant Dutchmen tell me that at last the British are trying to meet the enemy on something like level terms. "So long as you were content to follow Germany in war inventions and appliances," said a clever Dutch engineer, "you had little chance of victory because Germany is never content with the thing she has; she is always striving to go one better. Every body now realizes that this is a war of machines, and now that so much inventive fertility is being used for war purposes there is practically no limit to the ingenious with which the inventor may equip a soldier."

"For several years Germany has been taking some of our best scientific and engineers, both chemical and technical while Dutch scientists contribute largely to the German technical press, which also reprints articles from our Ingénieur. Any invention or suggestion likely to increase the striking force of the German Army and Navy has been eagerly welcomed, and you may be sure that the Allies have not yet experienced all the original weapons and ingenious devices which Germany can and will employ in this war. As one who has a warm feeling for England, I could wish that your government would give more encouragement to workers in laboratories and machine shops; and I believe the newly established Inventions Board will evidently play a greater in the war even than your new Armies."

Two New Inventions.

I found the views of my Dutch friend all the more interesting because a few hours previously I had received information of two inventions in which Germany places great hopes—the air torpedo and the automatic gun. Mention has already been made in official despatches of air torpedoes, and I have read several references to their construction and service, but, judging from the plans I have seen, Germany's new aerial torpedo differs from the idea of its design held in Britain.

The aerial torpedo, invented by a Swedish officer and sold to Krupp, may have been the basis of Germany's new air weapon, but certainly it is not the finished article. The Swedish invention resembles a huge shell fitted with a turbine engine driven by gas pressure; the German air torpedo is more like an airship fitted with propellers driven by electricity and controlled from a Zeppelin by wireless. The German aerial torpedo can theoretically remain in the air for three hours and can be controlled from a distance of two miles. Both weapons are discharged from a tube like a marine torpedo, but in the case of the German invention two propellers and two lifting screws are automatically started at the moment of discharge.

Like Submarine Weapon.

In shape this torpedo of the air, which is about 7 feet long, resembles the submarine weapon. It is composed of two cases, the outer of thin chrome nickel and the inner of material similar to that used in Zeppelins. About a sixth of the space at the rear is occupied by an electric accumulator at the bottom and an electric motor generator secured at the top. The machinery is controlled by Hertzian waves acting on the Telefunken system of wireless, and it is claimed that up to a distance of two miles the air torpedo can be steered at will.

The air torpedo is inflated with water gas and compressed gas, but as it is heavier than the air, two lifting screws work under the body to keep the torpedo in the air, while the motive power supplied by two propellers. Both screws and propellers are connected with the same shaft, which runs through the body of the torpedo.

Dives To The Ground.

When the air torpedo, after flying through the air, hovers immediately over the selected target it is made to assume a vertical position; the lifting screws are stopped, and the torpedo dives to the ground carrying a large quantity of high explosive charge at its nose. The charge explodes on contact like an ordinary shell and it is said that in two torpedoes there is sufficient explosive force to destroy the Tower of London.

Originally these air torpedoes were destined to be carried exclusively by Zeppelins, but owing to certain im-

provements it has now been found they can be manipulated from warships. According to my information Germany proposes to use torpedoes of the air against the British fleet, and for that purpose small, swift craft armed only with aerial torpedoes are building or have been already built. So far this flying death has not been employed against the Allies, but I learn it is to be tried probably over London this summer.

Not A Fantastic Invention.

For the purpose of publication I have tried to be as non-technical as possible in describing Germany's new and terrible weapon of the air, but I warn my readers that this aerial torpedo is not a fantastic invention of the Jules Verne type and destined to scare the British people by its terrifying impossibilities. The air torpedo is a practical weapon, invented by a practical engineer, and it has been tested to the satisfaction of the German military and naval authorities. Compared with the invention of the Swede, Colonel Lunge, is a device uncertain in its direction and effect.

Some months ago I hinted that the Germans were working on an improved Zeppelin weapon, and this aerial torpedo is the result of many experiments in the works at Essen. Undoubtedly this is the secret invention of which we have heard so many whispers that the Germans have held in reserve for the British fleet. Against moving ships, however, it will not prove so formidable a weapon as against a fixed target. Anyhow, we may be sure that Lord Fisher and the Inventions Board will meet science with science, originality with originality, and the flying death will lose its terror as it loses its novelty.

Automatic Guns.

Of the German automatic guns I can as yet write little. The idea is to increase the rapidity of the fire of big guns by an automatic feeding of shells. In other words the Germans are seeking to construct a big gun that can pour out shells as a Maxim pours out bullets. As the Maxim has almost superseded the rifle, so say the Germans, the automatic gun will dominate the Maxim, for in this war of applied mechanics there is no limit to invention and no check to destruction.

FUTILITY OF GERMAN 'SUCCESS' IS SHOWN

Object Was Primarily to Induce Russia to Sign Separate Peace, Says Prof. Pares, British Eye-Witness—Kaiser Has Had His Shot

London, Aug. 28.—The Daily Chronicle publishes an interview on Russia's position and Germany's real aim by Bernard Pares, Professor of Russian in Liverpool University, who for six months acted as the English official eye-witness with the Russian armies. Prof. Pares writes: "In the last few days one feels somehow that the tension of Russia's position, and therefore the whole allied cause, has slackened perceptibly. Everyone has become more at ease. For myself, who have followed the military and political position very closely, both in Russia and here, I will go so far as to say the crisis is passed. From the time when the enemy began his great thrust in the southeast of Galicia I was quite certain that he was aiming at one thing; he was trying to bring Russia to separate herself from her allies. If he could not do that, he could do nothing. On the eastern side the idea of conquest of Russia or of forcing peace on Russia was always from the start ridiculous."

Kaiser Has Had His Shot

Russia could never be compelled to make peace. She could only be induced to desire it. For this object, there was a perfectly clear program of which every detail soon became apparent. Of course, the Russian army had to be beaten, driven back, with as many losses as possible. Above all, Russia was to be persuaded that her western allies could do nothing for her. Poland was to be won and then a liberal peace was to be offered to Russia. The Germans have had their shot. They have failed and they know it to be the turning point of the whole project. To my mind the much more important fact of last

week was the announcement made by Minister Sazonoff to all public men and writers in Petrograd. He is a very quiet man, and his simple, straightforwardness is one of the greatest reasons for the immense confidence which his country places in him.

Will History Repeat?

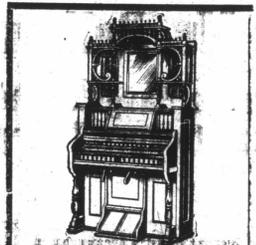
"His announcement, which had not a word that could be dispensed with, amounts to this—that the German successes have been accompanied by repeated negotiations for peace, which Russia has refused unconditionally, and that whenever they were renewed they would be refused again.

"But this meant the collapse of all that Germany had been playing for. Military success is secondary. "We are approaching the time when the Russian roads will break up. The country through which the Germans will have to advance is first a marshy plain, and later on a plateau, broken with innumerable cross gullies, in which the grand army of Napoleon perished."

What Are You Here For?

If you've never made another have a happier time in life.
If you've never helped a brother through his struggle and his strife.
If you've never been a comfort to the weary and the worn.
Will you tell us what you're here for in this lovely land of morn?
If you've never made a pathway of some neighbor glow with sun,
If you've never brought a bubble to some fellow heart with fun;
If you've never cheered a toiler that you tried to help along.
Will you tell us what you're here for in this lovely land of song?
If you've never made a comrade feel the world a sweeter place
Because you lived within it and had served it with your grace;
If you've never heard a woman or a little child proclaim
A blessing on your bounty—you've a poor hand at the game!
—Baltimore Sun.

That the Russians are in retreat before the Germans, we are forced unwillingly to admit, but we take great pleasure in saying that in many homes hordes of Germans are in full retreat before White Russian Soap. Try it. It is equally good for both laundry and bath. The Cleveland Trading Company are agents.—aug31, l.w.t.f



Kimball Organs
Highest Awards in America.
ILLUSTRATED CATALOGUE ON REQUEST
JOIN OUR ORGAN CLUB
Musicians' Supply Dept.
ROYAL STORES FURNITURE.



DEBENT
ESTABLISHED 1891.
For nearly a quarter of a century I have practised Dentistry in Newfoundland, and to-day there are many thousands perfectly satisfied with my services. Our Artificial Teeth are now, as at first, the very best obtainable, but the fee has been reduced to \$12.00.
We repair broken plates and make them just as strong as ever at a charge that will surprise you.
If you want a new set, or the old ones repaired, consult
DR. A. B. LEHR,
(The Senior Dentist)
203 WATER STREET.
jue14, m.w.t.eod

WOMEN'S BLOUSES--

Prices Assure a Substantial Saving.

Women's White Duck Blouse ROBES

Lace Trimmed Collars, Tucked and Embroidered Fronts, also a limited number of Serge Robes, in Navy, Saxe, Tan, etc. Extraordinary Values that Challenge their Equal from any other source.

Women's White Underskirts

Made of Fine, Soft Finish Longcloth, Embroidered Flouncing, chosen for their attractiveness and newness of design. Popularly Priced.

Children's Wash Dresses

NO. 1 QUALITY
Check and Figured Percale in two colors; Light Blue and White, matched with self color collars, cuffs and belt; Circular Skirts.

NO. 2 QUALITY
Made of self colored Linene with belt and shoulder buttonings, short sleeves. Colors: Blue, Pink and Tan.

Girls' Fancy Wash Dresses

No. 1 A
Made of Cotton Crepe with floral design in Blue or Pink colors. Trimmed Collar and Cuffs. Circular Skirts.

No. 1 B
Made of self color Linene, trimmed with Check Gingham with matched Pearl buttons. All warranted fast colors and 1915 styles.

An assortment of **CHILD'S WHITE PINAFORES** In a variety of up-to-date styles. Prices according to size and quality.

Children's and Misses' **UNDERWEAR** For Summer wear.

WOMEN'S SUMMER UNDERWEAR Although low priced they are not seconds. Absolutely standard first quality.

WOMEN'S SUSPENDERS With Rubber Grips
WOMEN'S COTTON and CASHMERE STOCKINGS In White, Tan and Black Colors

WOMEN'S SUEDE and SILK GLOVES In all the leading shades

Brand New Line of Lawn, Embroideries and Insertions, all with

FISHERMAN'S UNION TRADING COMPANY.