

NEW SHELL SINKS BOATS UNDER SEA

Terrific Explosion Wrecks Everything Within 100 Feet.

SUBMARINES' GREATEST FOE

Secret Device Known as Conan Fuse Has Fought German U Boats in British Waters—Can Be Fired From Cannon or Dropped From an Aeroplane.

A diving projectile, as effectively destructive under the water as the shell of a six inch field gun is on land, has swept the seas clear of German submarines for Great Britain and her allies, says a special correspondent of the New York World, writing from Paris. For at least two months, and probably longer, the British admiralty, by means of war craft and sea planes specially equipped to hurl this new engine of death, has hunted the U boats to their lairs or to the bottom of the North sea.

In revealing the existence of this invention the World provides the first authoritative explanation of the lull in Admiral von Tirpitz's blockade of the British Isles. The Conan fuse, as it is termed officially, is the British admiralty's most precious asset today and its most closely guarded secret.

Certain information about the device is in the possession of the Italian ministry of marine, but probably not the details of the recent improvements which have made it an absolutely sure weapon.

The United States navy department also knows a good deal about its general workings. How the facts now published for the first time reached the World correspondent obviously cannot be fully disclosed. Suffice that all the data have been confirmed by an American naval authority who has complete knowledge outside the British admiralty.

Invented by an Irishman. The salient features of the Conan fuse are as follows:

It was invented three years ago by an Irishman named Walter Conan, whose home is in Dublin.

It may be affixed to a shell fired from a rifled gun or howitzer or to a bomb dropped from an aeroplane.

In striking the water the projectile of which the Conan apparatus forms a part, dives and explodes at any predetermined depth up to thirty feet below the surface.

It explodes within fifty feet of the point at which it is aimed.

Discharged from a six inch gun, the shock of its explosion under water is sufficient to sink a submarine (usually by making it turn turtle, shatter a ship's propeller, puncture an armor belt or blow up a mine field within a radius of 100 feet.

The principle on which Conan evolved his fuse is that by the projection of a wire into the tube water may be induced to flow freely through a very narrow tube through which it would not pass otherwise. Capillary action apparently aids the water to follow the wire through the tube.

It is understood that Conan has taken out a patent in the United States for pipes feeding gasoline to motor or aeroplane engines on this principle, the value of such a patent being the avoidance of air locks.

The Conan fuse is used in conjunction with the British apparatus for detecting the presence of submarines by means of sound waves. Once the presence of a submarine is known an aeroplane can be sent up to locate the undersea boat and drop a bomb or signal to a surface vessel. Submarines under the surface are plainly visible from aeroplanes.

The problem which was hardest to solve was that of making the all important tubes of the fuse adjustable to any depth. Originally it had been necessary to cut the tubes in varying lengths so they would become operative at various depths. Since the beginning of the war, however, Conan and his assistants have been able to construct tubes which may be adjusted almost as easily as the nose of a shell and which act as exactly as any land fuse.

Explosion Felt on Shore.

At one of the experiments a Conan projectile, charged with thirty-five pounds of black powder, exploded with a force that was felt 800 meters away on shore. It is because of the incompressibility of water, which communicates a concussion to neighboring objects with undiminished force, that the apparatus is so dangerous to submarines. Exploding within 100 feet of a submarine, for instance, it creates, even without actually striking the craft, a wave so mighty as to overturn and thus sink it.

MOTHER OF 9 IN 18 MONTHS.

Four Boys Born Year and Six Months After Quintet.

With the birth of four boys a record that will probably surpass any other in the world was established by Mrs. Gailther Drewry of Spencer county, Ky.

Mrs. Drewry, who is about thirty years old, is the mother of nine children, seven of whom are living. Eighteen months ago, three children were born to Mrs. Drewry, three boys and two girls. The girls died, but the boys are doing nicely.

DECLARES HE IS AGAINST WILSON DEFENSE PLAN



Photo by American Press Association. ISAAC R. SHERWOOD, Congressman From O. io.

KAISER TEETOTALER? RAUS!

Not Even Bryan Can Call Emperor Bad Name to This German.

Washington, Nov. 15.—Senator Pomereoy of Ohio tells a story of William J. Bryan's recent campaign for the dross in Ohio, and how Mr. Bryan was suspected of violating neutrality by one of his whilom German admirers. In the course of an argument at Canton for prohibition Mr. Bryan observed he was glad so many Germans were present and remarked that the German emperor was a "teetotaler."

Immediately there was a disturbance in the audience and several men were seen struggling with an excited German who appeared to be trying to reach Mr. Bryan. The speech was suspended and the excited individual led out. Later some one asked why he tried to break up the meeting.

"He called the kaiser a bad name," was the reply. "I didn't think Mr. Bryan would do it."

BLIND EYE MADE GOOD.

Operation Has Peculiar Effect of Restoring Sight.

An operation for appendicitis performed on Ralph von Hacht, aged twenty-three, of Milford, Conn., has resulted in the restoring to the young man of the sight of one eye, which had been blind since his birth.

The operation was performed by Dr. Francis Campbell and members of the staff of Trinity hospital, New York. When the physicians removed Von Hacht's appendix several weeks ago they had no idea that they were going to restore his sight. It seems, however, that the appendix had been resting against one of the large nerves that form part of the system which connects with the optic nerves.

After the operation, Von Hacht for the first time in his life distinguished darkness from light with his blind eye. Soon he began to see objects with the eye. He was warned by the doctors not to exert his "blind" eye too much, but to allow it to grow stronger gradually. He said that the "blind" eye was nearly as good as the other eye.

ANCONA KNOWN AS RESCUE SHIP

First Passenger Liner Torpedoed Since the Arabic.

WENT TO AID OF SANT' ANNA

For Several Months Before Italy's Entrance Into War Ancona Was Engaged in Carrying Italian Reservists From This Country and Supplies For Italian Government.

Following the sinking by a large submarine of the Italian liner Ancona, it was recalled that recently Count von Bernstorff, the German ambassador, announced that he had received an official communication from Berlin to the effect that German submarines had recently sunk twenty-three vessels, including four transports, belonging to the allies in Mediterranean waters. The Ancona is the first passenger liner torpedoed since the Arabic.

The Ancona was a comparatively new steamship, and since the entrance of Italy into the war she had carried large quantities of munitions, horses and reservists from this port. She last left New York on Oct. 17 and arrived on Oct. 29 at Naples, where most of her cargo was unloaded.

The Ancona was a twin screw vessel of 6,000 tons displacement. She was 482 feet in length, 58 feet in beam and had a depth of 24 feet. She was

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built at Belfast, Ireland, in 1905.

The Ancona had been in the Italian line service for six years and without her cargo was valued at more than \$1,000,000.

Rescued Sant' Anna's Passengers.

The Ancona played a prominent part in the rescue of passengers from the burning Fa're liner Sant' Anna in mid-Atlantic on Sept. 12. She went to the Sant' Anna's aid and took off more than 600 passengers. The Sant' Anna carried more than 2,000 passengers, but succeeded in checking the fire and proceeded to the Azores without further assistance.

For several months before Italy's entrance into the war the Ancona was engaged in carrying home Italian reservists from this country and supplies for the Italian government. On one of her trips from New York to Naples late in August last year the Ancona was stopped by the British at Gibraltar, and twenty-four Germans and one Austrian were taken off.

Late last summer the Ancona left here for Italy with 75,000 bushels of wheat, 2,000 tons of hay and 500 horses for the Italian government. On the same voyage she carried 300 Italians in the steerage, who went back because it was said at the time that they could not get work on the New York subway.

All Her Crew Italians. When the Ancona left New York on her last voyage from there, Oct. 17, she was in command of Captain Pietro Massardo. All of her officers, engine room force and members of the crew were Italians, who shipped from Italy.

Next to Gibraltar, Bizerta, Africa, where the survivors were landed, is probably the best lair in the Mediterranean for U boats to prey on the merchant ships and troop ships of the allies. Lying opposite the southeastern point of Sicily, where the African coast swings out until a channel of scarcely 200 miles is left between the mainland and the island, it offers an ideal scene for submarine operations.

Largely because of its strategic sit-

THE CURIOUS KANGAROO.

A Theory Its Queer Style of Animal Architecture Suggests.

The kangaroo family is unique and is found only in Australia. It is the most remarkable branch of the order of the marsupials, or pouched animals, the pouch being a kind of pocket in which the young are nourished and protected for a long time after birth. The opossum is an example of a marsupial, but it bears no outward resemblance to a kangaroo.

The marsupials arose in very ancient geological times somewhere in the mesozoic age, and later on nearly disappeared except in Australia and neighboring islands, where today they constitute the characteristic native fauna.

There is one curious fact about the kangaroo which appears all the more singular when we reflect upon the great antiquity of the order of the marsupials. It almost looks as if this extraordinary Australian animal represents a survival of a style of animal architecture which was once a favorite with nature, but has since been abandoned.

The frames of these creatures are characterized by an enormous development of the posterior parts, including gigantic tails and massive thighs and hind legs. If any of the dinosaurs had a leaping power comparable with that of the kangaroo the terror inspired by their forms must have been matched by that arising from their movements.

—New York Journal.

HIS DAY OF REST.

A Town in France Where a Legal Holiday Is Strictly Observed.

The jeweler's face expressed bewilderment and astonishment and amusement. He looked from the artist to me and back again at the artist. He started at the end of every sentence to say something, but the artist didn't give him a chance. The artist kept on talking, while I kept on trying to control my sense of humor. I wanted to shrink, I longed for the ability to write shorthand, so that I could put it all down for posterity.

The artist had left a watch to be mended, and we were standing in front of the jeweler's shop on one of the narrow streets of Douarnenez, a town in the extreme west of France. The shutters were up in front of the shop, and the jeweler was in his shirt sleeves, looking as if he had been waked up by our knock from an enjoyable after-dinner sleep. The artist and I were leaving by the 3:15 train for Pont Croix, and we didn't intend to come back this way. It was Thursday, but the jeweler had politely explained that he could not give us the watch until tomorrow, although it was all ready and was hanging from its little hook in the shop at whose open door we stood. The reason was that Thursday had been chosen by the jeweler for his repos hebdomadaire—the one day in seven rest imposed by law.—Herbert Adams Gibson in Harper's Magazine.

Light of a Deep Sea Shrimp.

One of the most extraordinary crustacea ever discovered was dredged up by the Prince of Monaco from a depth of 16,000 feet. It has been named Oplophorus grimaldi. It is a sort of shrimp, and its peculiarity is that it squirts from two holes near its mouth a liquid which, on coming into contact with salt water, produces a fine pale blue light.

Absolute darkness reigns in the depths where it lives, but the little shrimp does not find it necessary to keep its light always burning. This would use up too much energy, so it squirts out the illuminating fluid only when it wants to look at something, or perhaps to attract the minute animalcules that form its food.—New York World.

A Risky Study.

"Why have you dropped your popular astronomy?" asked the visitor.

"Cause I got too many hickings," confided Tommy. "The other night I told pa that Mars' face was ever changing, and ma heard me and thought I meant her face. Next thing I didn't get any supper and got a licking besides."—Chicago News.

IS CHAIRMAN OF SENATE COMMITTEE ON CENSUS



WILLIAM E. CHILTON, United States Senator From West Virginia.

The Human Face.

Rosa Bonheur, the great painter of animals, had a system of mnemonics which was exceedingly quaint. She could trace in the faces of those people who visited her a resemblance to some sort of animal. For instance, if some one reminded her of a certain lady she would probably hesitate for a moment and then say, "Oh, yes, the lady with the camel face!" or, "Oh, I remember—she had a cow face!" This memory system was not flattering to her friends, but it showed how saturated she was with a knowledge of animals and their characteristics. On every human face she found a likeness to some animal she had studied and delineated.