

INVENTION TO REVOLUTIONIZE NAVAL WARFARE

Nikola Tesla's Latest Discovery. Propelled by Electric Impulses Sent Through the Atmosphere From a Station Miles Away.

Special Dispatch to The Call.

NEW YORK, Nov. 8.—Nikola Tesla, the electrical expert, in a newspaper interview describes an application of electricity whereby, without the intervention of any artificial medium of communication, one man may control and direct, with absolute exactitude, the movements of any type of vessel, balloon or land vehicle at any distance that may be desired.

Mr. Tesla says that some months have elapsed since he fully developed his device, for which he has applied for a patent. When it was learned that Admiral Cervera was bottled up at Santiago it was his intention to apply his mechanism to several launches and similar craft loaded with high explosives and to annihilate the fleet at anchor.

Hitherto the only means of controlling the movements of a vessel from a distance have been supplied through a medium of flexible conductors, such as an electric cable, but this system is subject to obvious limitations, such as are imposed by the length, weight and strength of the conductor.

The plan which I have perfected involves the control from point which is enabled by the use of my invention to employ any means of propulsion to impart to the moving body or vessel the highest possible speed, to control the operation of its machinery and to direct its movements from either a fixed point or from a body moving and changing its direction, however rapidly, and to maintain this control over great distances without any artificial connections between the vessel and the apparatus governing its movements, and without such restrictions as these necessarily impose.

POSTUM CEREAL. FORMER COLLEGE GIRL Tells "Tales Out of School."

NEW YORK, Nov. 8.—Superintendent McCullagh, after the polls had closed, made the following statement in regard to the operation of the new election law: "The operation of the new election law in the city of New York has been successful."

MRS. H. M. FLOYD, Bristol, Colby, Kansas. "I suffered terribly with dull headaches before I took to drinking Postum instead of coffee, but these have all been gone for two years or more. I could give you quite a list of friends who are regular users of Postum Coffee and you may depend upon it they have been greatly benefited by the change."

Grass Valley Votes Bonds. GRASS VALLEY, Nov. 8.—This city today voted in favor of \$40,000 sewerage bonds. The vote was 1020 to 203.

possibilities of the device, I will now give you a practical example of the workings of the model before going into the detailed description of how it is able to produce these results.

Elevated on sticks on a table in the center of the laboratory stood a model of a screw-propelled craft, about four feet long and with a diameter proportionately wide and deep. Mr. Tesla explained that it was merely a working model which he had made in order to exhibit it to President McKinley, and that no change in design had been made to follow the usual sharp lines of a torpedo-boat.

"Now watch," said the inventor, and going to a table on the other side of the room, on which lay a little switch-board, about five inches square, he gave the lever a sharp turn. Instantly the little bronze propeller began to revolve at a furious rate.

"Now it will ascend the boat to starboard," he said, and another quick movement of the lever sent the helm sharp over, and another movement sent it as rapidly back again. At another signal the screw stopped and reversed.

"During the day," continued Mr. Tesla, his hand on the lever, "we should expect to see a vessel of this type on the surface of the sea, but at night we should depend upon the electric lights, which would, of course, be screened so as not to be visible to the enemy, and which, both the tiny bulbs were illuminated.

"Now we will assume that the boat has arrived with, striking distance of the vessel to be destroyed and that the explosion has taken place." As he spoke he touched the lever again and the light flashed and was extinguished.

"Continuing his description, Mr. Tesla said: "As to that part of my invention which involves the production of suitable waves or radiations and the conveying of the same to a remote receiving apparatus, the principle is simple and the apparatus is controlled by the influence of the waves in various ways which are at the present time more or less understood. For example, I may pass through the conducting path, preferably enclosing a large area, a rapidly varying current, and by electro-magnetic induction of the same affect a circuit carried by a moving body.

"In this case, then, the distance between the area enclosed by the conductor and the greater the rate of change of the current, the more direct the effect of the ordinary wave, the rate of change and consequently the distance at which the action would be practically available for the present purpose, would be very small, but by adopting such means as I have devised—that is, either by passing through the conducting path currents of a specially designed high frequency alternator, or, better still, a set of strongly charged condensers, a very high rate of charge may be obtained, and the effective range of the influence thus extended over a vast area, and by carefully adjusting the circuit on the moving body, as to be in exact electro-magnetic synchronism with the primary disturbances this influence may be utilized at a great distance.

"Another way to carry out my invention is to direct the currents or discharges of a high frequency machine or condenser through a circuit, one terminal of which is connected directly or indirectly with the ground, and the other with a body, preferably of large surface and at an elevation. In this case, if the circuit on the moving body be similarly arranged or connected, differences of potential or induced currents of the circuit either by conduction or electro-static induction are produced and the same objects attained.

"Still another way to produce the currents through the ground by connecting both the terminals of the source of high frequency currents to earth at different and remote points and to utilize the currents spreading through the ground for affecting the receiving circuit properly placed and adjusted.

"Finally, I may avail myself, in carrying out the direction of electrical oscillations which do not follow any particular conducting path, but propagate in straight lines through space of rays, waves, pulses or disturbances of the ether, capable of bringing into action the mechanism of the moving body into action from a distance and at the will of the operator by their effect upon suitable controlling devices."

Fatally Wounds a Woman. LOS ANGELES, Nov. 8.—Mrs. Giacomo, an Italian woman, was fatally wounded at her home this afternoon by Francis Baderger, who had been working for her. Baderger, who had been discharged from the military service, was accused of having stolen some bread. Picking up a shotgun he discharged the contents at Mrs. Giacomo's breast. Her death is only a question of a few hours.

REGULATIONS FOR PATIENTS LIE ON THE GROUND.

HOW MEDICINE WAS HANDLED. PHILADELPHIA, Nov. 8.—The German oil tank steamer Standard, which has arrived here, brings Alfred Anderson, Gallant Rescue of a Sailor on the Norwegian Bark Sigrid in Midecan.

CHICAGO, Nov. 8.—The War Investigating Commission to-day continued the examination of witnesses. General Dodge, chairman of the committee, says that he can begin to see an end of the long investigation. After some evidence has been heard at Detroit the members of the committee will go to Washington. They have yet to visit Camp Meade, Pa., but it is likely that this camp will not be reached until after the return to Washington.

Dr. G. A. Smith of Clinton, Ia., was the first witness to-day. From August 9 to September 10 he was in charge of the Second Division Third Army Corps hospital at Camp Thomas. Dr. Smith said: "When I assumed my duties, July 14, I found a shortage of tents and cots. The patients in the hospital were crowded on account of this shortage. Some of the patients were lying on the ground on account of lack of cots. There was no provision made for feeding the sick other than the rations issued to the soldiers in the hospital."

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There were no pill boxes or powder papers. The stewards dispensed tablets and pills in paper capsules of being of various sizes and they were carried to the wards in that shape, and owing to the prevalence of dampness at night they would become by morning a sticky mass not fit for use.

There were no floors in any of the hospital tents at the time I reported for duty at that hospital. The first tent was floored soon after the middle of July, although some were not floored until long after that. The floors in the tents of the Fifty-second Iowa, the First Maine and the Fifth Missouri were all laid out after the middle of the park and were never occupied by the soldiers and never had cots placed in them. In fact, I might state that the floors were laid out after orders had been received to prepare the camp for leaving for Aniston.

PROBLEM OF SUPPLYING SANTIAGO WITH WATER. General Wood Employs Three Expert Engineers—Renegades Cubans on the Warpath.

SANTIAGO DE CUBA, Nov. 8.—The main question now before General Leonard Wood, Governor of the military district of Santiago, is not political, it is the question of water, which is a serious problem. The rainy season is about over and usually, after a month or so of dry weather, water has to be brought from the mountains and sold in the streets. General Wood is now engaged in a repetition of such conditions, and has engaged the services of three expert engineers to report as to the best method of supplying the city with water which will be artesian wells or otherwise.

San Juan's Death Roll. General Brock's Last Report to the War Department.

WASHINGTON, Nov. 8.—The following cable message has been received at the War Department: "SAN JUAN DE PORTO RICO, Nov. 7. Adjutant General Brock, Washington, reports that the Spanish forces in San Juan, P. R., are retreating. The United States Volunteer Infantry, meningtons: General Wood, typhoid fever, typhoid fever, typhoid fever, typhoid fever."

Merely Cleaned Up Ship. Captain Hanlon Accounts for the Reported Wreck of the Panama.

PERCEIVED BONDHOLDERS. It Embarrasses Peace Negotiations.

PARIS, Nov. 8.—The United States Peace Commissioners had formulated an answer to Spain's voluminous presentation of Friday last, but the work of typewriting this reply was too great to be finished before 2 p. m. to-day, the time fixed for the meeting of the joint commissions. This fact was communicated at noon to-day to the Spaniards, with a request that the meeting occur at 4 o'clock to-day. This request, however, was declined by the Spaniards on the ground that they had some other engagements for 4 o'clock to-day. Consequently the meeting of the joint commission was deferred until 2 o'clock to-morrow.

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THORNS IN THE PATH OF THE GERMAN EMPEROR. Jarring Incidents to Mar the Pleasure of His Trip Through the Holy Land.

BEYROUT, Syria, Nov. 8.—Emperor William is much displeased over several jarring incidents of his trip to Jerusalem. The reply of the "Fakih" to a notification of rights acquired at Mount Zion is considered extremely curt, while on all important occasions the French Consul General attended in order to assert that the Sultan's title is not clear. The Sultan practically took forcible possession of the shrine of the Kaaba, and the owner objecting to selling ecclesiastical property. The authorities refused yesterday in view of the arrival of the German fleet, but the steamers of Messageries Maritimes, the French Steamship Company, refused to leave.

BLAMED FOR THE DEATH OF HAROLD FREDERIC. Coroners Jury Charges Two Christian Scientists With Manslaughter.

LONDON, Nov. 8.—The coroners jury which has been investigating the death on October 19 last of Harold Frederic, the correspondent of the New York Herald, has returned a verdict of manslaughter against Kate Lyon, a member of the late Mr. Frederic's household, and Mrs. Mills, a Christian scientist.

DEATH IN A MINE. One Man Killed and Five Others Injured by an Explosion.

SCHANTON, Pa., Nov. 8.—A gas explosion in the Schooley mine, near West Pittston, to-day seriously injured five men—James Coulter, fire boss; John Metcalf, track layer; John McQuinn, miner, and James Mackin, driver. Five following the explosion overcame Anthony Brankie, miner, and John Valvens, his laborer. Brankie was dead when rescuers found him, but he was restored to consciousness. The explosion was caused by the igniting of a body of gas in a drift which Coulter and Metcalf may not survive.

MANIAC'S TERRIBLE WORK. Brains His Wife With an Ax and Kills Himself.

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ON EASTERN TRACKS. Horses That Won All the Money on Election Day.

NEW YORK, Nov. 8.—A meeting closed at Aqueduct to-day. Results: First race, about seven furlongs, selling—Lindsay won, Orlan second, Village Pride third. Time, 1:23 3/4. Second race, five and a half furlongs—Macy Linsky won, Orlan second, Village Pride third. Time, 1:08 1/2. Third race, mile and forty yards, selling—Headlight II won, Carmania second, Plug Away third. Time, 1:44 1/4. Fourth race, mile and a sixteenth—Charon won, Don de Oro second, Warrenton third. Time, 1:48 1/2. Fifth race, five furlongs, selling—Lady Sherwin won, Lady Dora second, St. Sophia third. Time, 1:30 1/2. Sixth race, mile and forty yards, selling—Field Lark won, Brighton second, Charlie Ross third. Time, 1:48.

EIGHT MOHEGAN VICTIMS. Body of a California Woman Among Those Brought to New York.

NEW YORK, Nov. 8.—The bodies of eight of the passengers on the lost A. C. Miller liner Mohegan, wrecked on October 14, on the southwest coast of England, arrived here Monday in hermetically sealed coffins, and the remains of Mrs. Sophie C. Crane of California were among them.

POSTOFFICE BOBBED. KANKAKEE, Ill., Nov. 8.—Burglars robbed the postoffice at Danforth, twenty miles south of this city, of \$500 in money and stamps last night, as they were opening the safe. In forcing the safe of the Danforth Bank, which contained \$7000, the doors of the vault were blown open and the money was scattered about. The burglars could not get in for several hours. Bloodhounds will be used to track the burglars.

FIRE SWEEP FORESTS AND PRAIRIES. WICHITA, Kans., Nov. 8.—A special to the Beacon from Earlsboro, Okla., says forest and prairie fires are raging all over the Seminoe National Territory. Emphatic Mission property valued at \$250,000 have been destroyed.

HERMIT'S SISTER FOUND. Claimant of the Christensen Estate.

ADVERTISEMENTS. Orient's Orient's. Murphy Building, Market and Jones Streets.

FRESH ARRIVALS. TO-DAY'S LATE FALL OFFERINGS. ALSO WINTER TO-DAY'S OFFERINGS.

OUTER GARMENTS! We to-day place on sale an unrivaled assortment of the newest and most seasonable productions in JACKETS, CAPES AND SUITS for Ladies', Misses' and Children's wear.

LADIES' JACKETS AND CAPES. At \$3.75. LADIES' COVERT CLOTH JACKETS, in light and dark shades of tan, fly fronts, faced with cloth, worth \$8, will be offered at \$3 75 each.

LADIES' SUITS AND DRESS SKIRTS. At \$5.00. LADIES' TAILOR-MADE SUITS, in black, navy and brown chevot cloth, fly front jackets, lined with printed Italian cloth, skirts well lined and bound, good value for \$8.50, will be sold for \$5 each.

England May Declare a Protectorate. CONDITIONS ARE FAVORABLE. BRITISH PUBLIC SENTIMENT AGGRESSIVE.

DR. MEYERS & CO. 731 Market Street, San Francisco, SPECIALISTS FOR MEN. Established 17 Years.

ASSISTANCE REFUSED. RELEASED INSURGENTS. Flight of Sixteen Cubans Freed From a Spanish Prison and Stranded in New York.

DR. MEYERS & CO. have gained their high standing and have built up the largest practice on the Pacific Coast by curing their patients, and by honorable business dealing.

DR. MEYERS & CO. have the largest and best-equipped medical institute in the West, and have made a special study of all weakness and diseases of men for more than seventeen years.