

THE FIELD OF ELECTRICITY

Tesla Adds Another to the World's Stock of Electrical Wonders.

NEW FACTOR IN FUTURE WAR PLANS

Tremendous Power Exerted by an Application of Electricity—A Talking Fire Alarm—Electrical Progress.

Nikola Tesla, the famous electrician, gives in an interview a description of his latest invention with which he promises to create a great revolution in the electrical world as when Gray and Bell and Brush startled mankind with their discoveries. Tesla declares that one man may control and direct, by an application of electricity, the movements of any type of vessel, balloon or land vehicle, at any distance that may be desired. From a station on shore, or from the deck of a vessel under way, a torpedo boat equipped with Mr. Tesla's controlling device, may be propelled either on or below the surface, maneuvered at will in any direction and finally brought into contact and exploded against the side of a hostile vessel at any point within the range of the vision of the operator. More than this, assuming that it were possible to accurately locate the position of the vessel which it is desired to destroy, the torpedo boat could be directed to it, even if the ship lay in the harbor of Southampton and the operator was stationed at Sandy Hook.

"Hitherto," said Mr. Tesla, "the means of controlling the movements of a vessel from a distance have been supplied through the medium of a flexible conductor 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 which can be practically used; by the difficulty of maintaining with safety, the high speed of the vessel or changing the direction of its movements with rapidity; the necessity of effecting the control from a point which is practically fixed, and from many other drawbacks which are inseparably connected with such a system.

"The plan which I have perfected involves none of these objections, for I am 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 as to be in exact electro-magnetic contact 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 on the terminals of the circuit, either by conduction or electrostatic induction, are produced and the same object is attained.

"Still another way is to pass the currents simply through the ground by connecting the terminals of the 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 on the terminals of the circuit, either by conduction or electrostatic induction, are produced and the same object is attained.

Fire Alarm that Talks.

The human voice, the telephone and the graphophone are combined in a unique automatic fire alarm which Chief Hale of the Kansas City fire department has invented and in which he has applied for a patent. By the use of the new fire alarm the exact place of any fire in a building provided with the system is told in the clear, distinct tones of the human voice to the central office of the telephone company and that too when no person is near the scene of the fire.

The Model Obeys Him.

"Now watch," said the inventor, and going to a table on the other side of the room on which lay a little switchbox about five inches square, he gave the lever a sharp turn. Instantly the little bronze propeller began to revolve at a furious rate. "Now, I will send the boat to starboard," he said, and another quick movement of the lever sent the little sharp wheel and another movement turned it as rapidly back again. At another signal the screw stopped and reversed.

PENSIONS FOR WESTERN VETERANS.

WASHINGTON, Nov. 17.—(Special.)—The following pensions have been granted:

Issue of November 5:

Nebraska: Increase—Jesse Parrish, Beaver City, \$5 to \$10. Reissue—James H. Parrish, Beaver City, \$5 to \$10.

Iowa: Additional—George W. Carr, Independence, \$5 to \$8; George Moore, Oke, \$5 to \$8; Charles H. Moore, Oke, \$5 to \$8.

Manitoba: Increase—Charles T. Manchester, Dunlop, \$5 to \$8; Samuel Neptune, Vinton, \$5 to \$8; Samuel Neptune, Vinton, \$5 to \$8.

Minor of George B. Kelley, Edgelyville, \$10.

Colorado: Restoration and reissue—John Kelly (deceased), Denver, \$12.

Idaho: Restoration and reissue—John Kelly (deceased), Denver, \$12.

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SOUTH DAKOTA LEGISLATORS

Republicans Have an Overwhelming Majority in Both Branches.

MORE THAN TWO TO ONE IN LOWER HOUSE

Complete List of the Men Who Will Make the Laws During the Coming Session—Fusionists Not Formidable.

PIERRE, S. D., Nov. 17.—(Special.)—From the best information obtainable at the present time the following is a list of the legislative members of both houses for the coming session. While there may be a very few changes in this list, it will be found to be substantially correct. It gives the republicans twenty-seven and the fusionists eighteen in the senate, and republicans fifty-nine, fusionists twenty-eight in the house.

Senate.

1. Union county, Bulow, W. J. (fus.).

2. Clay county, Gunderson, Carl (rep.).

3. Yankton county, Edgerly, E. G. (rep.).

4. Bon Homme county, Snow, George W. (rep.).

5. Lincoln county, Oversteth, P. A. (rep.).

6. Turner county, Cooke, L. W. (rep.).

7. Hutchinson county, Ulmer, J. W. (rep.).

8. Charles Mix and Douglas counties, Jones, J. W. (fus.).

9. Minnehaha county, Stiles, A. H. (rep.).

10. Sioux Falls, Tyler, L. S. (fus.).

11. McCook county, Hoese, William (rep.).

12. Hanson county, Stillwell, J. K. (rep.).

13. Lincoln county, Johnston, George A. (rep.).

14. Aurora county, Pease, S. W. (fus.).

15. Brule county, Hlat, Jesse (fus.).

16. Moody county, Jordan, Edward (fus.).

17. Lake county, Fitzgerald, J. S. (rep. and dem.).

18. Sanborn county, Smith, E. M. (fus.).

19. Brookings county, Wohler, Charles (fus.).

20. Kingsbury county, Reed, Thomas (rep.).

21. Baddeley, Vance, E. H. (rep.).

22. Hand county, King, John M. (fus.).

23. Lawrence county, Warren, E. H. (rep.).

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