

THE FIELD OF ELECTRICITY

Teala 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 revolution in the electrical world as when Gray and Bell and Brush started 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.

"In this case the action at a given distance will be the stronger the larger the area enclosed by the conductor and the greater the rate of change of the current. If the latter were generated in the ordinary way 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 of alternating current, or by the use of a strongly charged condenser—of a very high rate of change may be obtained and the effective range of the influence thus extended over a vast area.

"Another way to carry out my invention is to direct the currents or discharges of a high frequency machine, or connected 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 is 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 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 my invention, 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 any kind, capable of bringing 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."

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. The time of the Thanksgiving turkey is drawing near and the commission men are about receiving a good supply. The demand seems to have begun in earnest and the choicer birds are sold as soon as they are received. The price is predicted that "weeds" from now the prices will be 12 and 13 cents a pound.

TURKEYS NOT UP TO GRADE

Commission Men Say the Supply Now Coming is of Inferior Stock—Trade in Vegetables.

PENSIONS FOR WESTERN VETERANS.

Survivors of Civil War Remembered

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

Issue of November 5: Nebraska: Increase—Jesse Parrish, Beaver City, \$5 to \$10; Increase—Peter Hays, Union, \$6 to \$8.

Iowa: Additional—George W. Carr, Independence, \$6 to \$8; George Moses, Oakes, \$5 to \$8; Renewal—Charles T. Manchester, Dubuque, \$6; Increase—Daniel Wean, Vinson, \$8 to \$5; Samuel Neptune, Chariton, \$10 to \$12; Increase—Orville Minor, \$8 to \$5; Increase—Edw. J. Kelly, Edw. J. Kelly, \$10 to \$12.

Colorado: Restoration and release—John Kelly (deceased), Denver, \$12; Orville Minor, \$8 to \$5; Increase—Edw. J. Kelly, Edw. J. Kelly, \$10 to \$12.

Dr. Bull's Cough Syrup is used by the best people in the world for all one-coughs and throat affections. Price, 50c.

Missouri Notes.

Missouri stone publishes more newspapers than all Spain.

Mr. Wise of Winona practices law, runs a barber shop, acts as notary public and writes insurance.

Frank Fletcher, a Trenton boy, is only 11 years old, but he is charged with horse stealing despite his youthfulness.

The farmer of Oshtemo township, in Nodaway county, has raised \$5,000 and will build a creamery on the Leaton co-operative plan.

A woman and her six children are living in an old wagon bed on the edge of Marshall Her husband is in an insane asylum in Illinois.

Thomas Moore, a Sedalia boy, is one of the latest victims of hydrophobia. He was bitten by a supposed mad dog twelve weeks ago. The father is a Second regiment volunteer.

Peculiar reasons are assigned for the election of Dr. J. R. Stewart as representative from Missouri county. He overcame the usual heavy vote of the opposition. It is said, because he is so popular as a citizen and a physician. He is given credit for being the poorest collector of debts in Missouri. He never refuses to answer a sick call and has never asked a single debtor to pay his bill. It is said that he has been indebted to him were ashamed to see against him and he was therefore elected, notwithstanding the heavy fusion majority.

Overcome evil with good. Overcome your coughs and colds with One Minute Cough Cure. It is so good it will cure you. It cures cough, bronchitis, pneumonia, grippe and all throat and lung diseases.

A. C. RAYMER, WE DELIVER YOUR PURCHASE. 1514 Farnam St.

course, be screened so as not to be visible to the enemy," and at a signal both the tiny bulbs were illuminated. "Now we will assume that the boat has arrived within striking distance of the vessel to be destroyed, and the bulb in the bow will serve to show that the explosion has taken place."

As he spoke he touched the lever again and the light flashed and was extinguished. "Imagine, if you can," said Mr. Tesla, as he went back to his desk, "what an irresistible instrument of destruction we have in a torpedo boat thus controlled, which we can operate day or night, on the surface or below it, and from any distance that may be desired. A ship thus assaulted would have no possibility of escape."

"I can apply this system of control to any type of vessel and of any size. It is not even necessary to make a close approach to the vessel to be destroyed. At the distance of 100 feet the explosion of 200 pounds of dynamite exert a shattering effect on a battleship, but there is no reason why we should not load a vessel with 200 or 300 tons, or even more, of dynamite, which, exploded even a mile or so away, would raise a wave that would overwhelm the biggest ship ever built."

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 capable of being operated or controlled by their influence it may be carried out in various ways which are at the present time more or less understood. For example, I may pass through a conducting path, preferably including a large area, a rapidly varying current and, by electro-magnetic induction of the same, effect a circuit carried by a moving body."

"Distance No Barrier.

"In this case the action at a given distance will be the stronger the larger the area enclosed by the conductor and the greater the rate of change of the current. If the latter were generated in the ordinary way 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 of alternating current, or by the use of a strongly charged condenser—of a very high rate of change may be obtained and the effective range of the influence thus extended over a vast area. By carefully adjusting the circuit on the moving body so as to be in exact electro-magnetic relation with the primary disturbances this influence may be utilized at a great distance."

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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 eight seats in the senate, and republicans fifty-nine, fusionists twenty-eight in the house.

Senate.

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

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

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

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

5. Lincoln county, Overath, P. A. (rep.), Parkersburg.

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

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

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

9. Minnehaha county, Sittes, A. H. (rep.), Sioux Falls.

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

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

12. Hanson county, Stilwell, J. K. (rep.), Alexandria.

13. Dawson county, Johnston, George A. (rep.), Mitchell.

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

15. Brule county, Hiatt, Jesse, (fus.), Kimball.

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

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

18. Deuel county, Jackson, D. W. (fus.), Carthage.

19. Sanborn county, Smith, E. M. (fus.), Woonsocket.

20. Hand and Buffalo counties, Loomis, L. N. (rep.), Alpena.

21. Kingsbury county, Wohler, Charles, (rep.), Yreka.

22. Kingsbury county, Reed, Thomas, (rep.), Arlington.

23. Deuel, Vance, E. H. (rep.), Huron.

24. Hand county, King, John M. (fus.), St. Lawrence.

25. Hughes, Hyde and Sully counties, Stewart, R. W. (rep.), Yreka.

26. Edmunds, Lyman, Presbo, Sterling, Nowlin, Jackson and Pratt counties, Philip, James, (fus.), Philip.

27. Deuel county, Rohweder, William, (rep.), Goodwin.

28. Hamlin county, Arneson, A. O. (fus.), Hazelton.

29. Codington county, Hanten, John B. (fus.), Watertown.

30. Clark county, Grant, James A. (fus.), Plankinton.

31. Spink county, Gregory, C. W. (rep.), Ashton.

32. Grant county, Bouck, Thomas, (fus.), Mitchell.

33. Edmunds county, Myron, Hans, (rep.), Lincoln.

34. Day and Marshall counties, Toy, E. C. (rep.), Andover; Williams, Richard, (rep.), Andover.

35. Brown county, Lawson, J. M. (rep.), Aberdeen; Ashford, E. P. (rep.), Rondell.

36. Roberts county, Gunnarson, T. A. (rep.), Bozko.

37. Faulk and Potter counties, Bothum, J. H. (rep.), Faulkton.

38. Edmunds county, Walworth counties, Boyland, H. G. (rep.), Bangor.

39. McPherson and Campbell counties, Cullen, F. W. (rep.), Parkersburg.

40. Lawrence county, O'Brien, W. S. (rep.), Lead; Cooper, Henry T. (rep.), Watertown.

41. Codington county, Smith, Edmund, (fus.), Rapid City.

42. Meade and Butte counties, Lafsche, Thomas, (rep.), Yreka.

43. Custer and Fall River counties, Benedict, W. E. (rep.), Custer.

House Members.

1. Union county, Limoges, P. M. (fus.), Jefferson; Roselle, D. A. (fus.), Elk Point; Nelson, Gust, (fus.), Alcester.

2. Lincoln county, Myron, Hans, (rep.), Lincoln; Hanson, Hans, (rep.), Daleburg.

3. Yankton county, Davidson, A. L. (rep.), Yankton; Myron, Hans, (rep.), Lincoln; Woley, B. C. (rep.), Yankton.

4. Lincoln county, Koch, Herman, (rep.), Tea; Kinley, W. W. (rep.), Canton; Dorton, J. M. (rep.), Canton.

5. Turner county, Norrgard, Gust, (rep.), Centerville; Stoddard, W. H. (rep.), Centerville; Cullen, F. W. (rep.), Parkersburg; Hutchinson county, Messenheimer, G. (rep.), Parkersburg; Gueric, Conrad, (rep.), Mt. Zion; Wildermuth, Paul, (rep.), Tripp.

6. Bon Homme county, Baskin, J. M. (rep.), Scotland; Trumbo, George B. (rep.), Tyndal.

7. Douglas county, Delmont, Robert M. (fus.), Delmont.

8. Charles Mix county, Woody, E. M. (fus.), Moorbridge.

9. Minnehaha county, Risty, A. G. (fus.), Corsen; Austin, C. T. (fus.), Baltic; Sophy, John F. (fus.), Garretson; Woodruff, J. W. (fus.), Sioux Falls; Knott, C. W. (fus.), Hartford.

10. McCook county, Dwight, T. W. (rep.), Bridgewater; Purdin, John L. (fus.), Montrose.

11. Hanson county, Roselle, J. F. (rep.), Alexandria.

12. Davison county, Bras, H. L. (rep.), Mitchell.

13. Sanborn county, Scott, T. D. (rep.), Artesian.

14. Aurora county, Anderson, O. D. (fus.), Plankinton.

Did You Ever Have a Fit?

Not the common fit, but a shoe fit—we fit hundreds of shoes every day—so adapt for our salesmen become that you never leave the store without a fit—you ought to let us fit a pair of these \$3 welted sole shoes to your feet—the best woman's shoe ever sold at \$3—a genuine welt sole at any time is a blessing—but right now, at the beginning of winter, they are doubly so—keep your feet dry and warm—these particular shoes are made of real soft calfskin—or heavy dogskin kid—\$3 is real cheap for them.

Drexel Shoe Co.,

Omaha's Up-to-date Shoe House.

1419 FARNAM STREET.

Carving Sets—

It's getting close to Thanksgiving and you should not fail to see our big assortment of carving sets before it is broken by the heavy sales that are sure to come—the assortment is large in variety and widely varied in price—stags, barks and pearl handles galore—The Jewel cook stoves and ranges have been found by the best cooks to be the best makers—not only for turkeys—but breads, pies and cakes—the sectional bottom oven prevents all warping—thus insuring even baking—\$10 buys a cook and \$24 a steel range.

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