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CIRCULATION (SWORN) OVER 4000

IMPORTANT STEP IN ELECTRIC TRACTION.

A partial experiment of the highest importance and interest in the development of electric railway service is now in progress on a suburban line between Niederschonweide and Spindlerfeld, in the southeastern quarter of Berlin, says United States Consul-General Mason, of Berlin, Germany.

The far-reaching importance of this demonstration—which will be at once recognized by every electrical engineer—will be apparent when it is remembered that electric traction, which has proven so effective and economical for interurban and suburban service, has met hitherto some very serious economic difficulties when applied to long distances.

The recent completion of a new treaty of commerce between the United States and China lends interest to some figures presented by the Department of Commerce and Labor, through its Bureau of Statistics, regarding trade of the United States with that country.

When the high-speed experiments were tried last year on the government railway line between Marienfelde and Zossen, an alternating three-phase current of 10,000 to 12,000 volts was carried along the line on three copper wires and conducted thence by trolleys to transformers carried under the floor of the car, whence it was transformed to 1150 to 1800 volts and passed into the three-phase induction motors.

Bad Coughs "I had a bad cough for six weeks and could find no relief until I tried Ayer's Cherry Pectoral. One-fourth of a bottle cured me." L. Hawn, Newington, Ont.

an hour, at which pace the rails began to give way. The further experiments had to be postponed until a more solid and substantial track could be provided. The present experiment has therefore a wholly different purpose. It involves no question of extreme high speed, but rather the transmission of a single-phase alternating current at a voltage (6000 volts in this case) sufficient to carry it over a long line on a small and relatively inexpensive wire, and the direct use of the current, without transformation, by a motor capable of running economically at any desirable speed and which fulfills all the other requirements of electric traction.

NEW TREATY WITH CHINA.

The recent completion of a new treaty of commerce between the United States and China lends interest to some figures presented by the Department of Commerce and Labor, through its Bureau of Statistics, regarding trade of the United States with that country.

Taking our own figures of commerce with China, the growth in exports to that country has been from \$1,101,283 in 1880, to \$2,946,209 in 1930; and \$18,603,369 in 1932. The figures prior to 1880 cannot be given in satisfactory form, because prior to that time gold and silver were included in the statement to China, and as the shipments of silver to China were frequently large, the figures if quoted would be misleading, so far as relates to commerce in merchandise.

In 1902 the United States occupied fourth place in the list of countries from which China drew its imports. The total from the United States in that year was, as already indicated, \$9,138,713 Haikwan taels; from Great Britain, \$7,624,610 Haikwan taels; India, \$3,037,429 Haikwan taels, and from Japan, \$5,342,283 Haikwan taels.

PEARY, THE INDEFATIGABLE. Like the making of books, of the attempts to reach the north pole, there is no end. But Professor Brewer of Yale, a scientist of ability, and himself an explorer of some renown, predicts that Commodore Peary will be able to make it this trip.

the latest scheme to reach the pole is the most feasible that has yet been tried. To go to the northernmost limit and land, and there establish winter quarters, waiting for a favorable time to strike out for the pole itself, seems to the experienced Yale traveler the best way to attack the problem.

The difficulties of such an excursion Professor Brewer graphically outlines. He says: "Some years the ice in the Arctic ocean is much worse to travel over than others. Contrary to the common notion, the ice is not very thick there and it is liable to crack and leave tremendous fissures, or to come together in insurmountable mountains of ice.

"The only way to imagine the traveling under these conditions is to study the ice bridge at Niagara and then fancy conditions a hundred times more hazardous. It is like imagining a town without any streets, in which the only way to get about is to climb over the tops of houses; only in this case the houses are snow. If Mr. Peary is fortunate enough to strike a year when the conditions are not too unfavorable he ought to get to the pole, and he has the advantage of planning to stay over another year if the first summer is not a propitious one."

But the ever recurring question arises, What good will it do even if the pole is reached? A certain amount of scientific interest attaches to its discovery as a matter of course, but if there is any practical advantage to be gained it is not yet apparent even to scientists.

ASTRICH FARMING IN AUSTRALIA.

Ostriches have been introduced into Australia and the experiment of their acclimatization and rearing has proved highly successful. Twenty-two of the birds were brought from Africa and were placed on a farm near Sydney. They are fed on rice, Indian corn and vegetables, requiring but little water. They lay eggs about three times a year, and from 20 to 30 eggs at each laying period. The bird matures in two and a half to three years.

SPEED ON RAILROADS.

Experiments have been made of late in Germany as to the rate of speed attainable on railways, which have developed some wonderful results. They have also, however, started a discussion as to the difficulties which arise in the practical operation of a road after the mechanical obstacles to high speed have been overcome.

Some entirely new system of signaling will have to be devised, according to the Engineering News. Under the block system, which is by all odds the best system now in use, a distant signal is placed at a distance from the home signal proportionate to the speed of the train. The object of the distant signal is to warn the engineer that the home signal stands at danger and that he must stop his train before reaching it.

A TEXAS WONDER.

HALE'S GREAT DISCOVERY. One small bottle of the Texas Wonder, Hale's Great Discovery, cures all kidney and bladder troubles, removes gravel, cures diabetes, seminal emissions, weak and lame backs, rheumatism and all irregularities of the kidneys and bladder in both men and women; regulates bladder trouble in children.

READ THIS. To Whom It May Concern. This is to certify that I was down for nine months with kidney and bladder trouble, and tried all known remedies to no avail until a neighbor induced me to get a bottle of Texas Wonder, one-half of which cured me sound and well; this I would cheerfully swear to, and for the benefit of those who are afflicted and wishing to be permanently cured, they can obtain a bottle at my house, located on West 11th street, Yours truly, J. J. SEALE, Medford, Oregon.

THE DEAF HEAR

The lack of loss of one of the five human senses isolates the patient thus afflicted as entirely from the world as if he was banished to a lone island. What gratification can bring us the society of our best friends and acquaintances if their voices do not reach our ear or if, instead of it, we are only conscious of an indistinct murmur? With the loss of hearing all joy and pleasure dies within us, most so in the domestic relations and family life.

To the Editor: For about six years I have had a chronic inflammation of my eyes and ear, and Dr. Darrin has restored me that I am confident a few days longer will perfect the cure. I reside in Jefferson and can be seen at any time. A. G. PORTER.

William Lloyd Garrison presided at a meeting Friday in Faneuil hall, Boston, attended by 8500 people to protest against the "outrageous" arrest of 350 Chinamen by United States immigration officers and Boston police.

DEEDS RECORDED.

The realty transfers filed for record in the Marion county recorder's office yesterday aggregated the consideration of \$3,385, as follows: W. T. Gray, et ux, to Joseph Ramsey, 80 acres of land in 1 and 2 s, r 2 w, wd. \$1600 F. A. Bergman, et ux, to Henry Lebeur, tract of land in 7 s, r 2 w, wd. \$500 Hugh B. Geating, et ux, to John Kirk, et ux, 96 acres of land in 4 s, r 2 w, qdd. \$600 State of Oregon to E. H. McDougal, 160 acres of land in 29, 2 s, r 4 e, d. \$400 C. L. Neally, et ux, to Nora E. Dennis, lots 19 and 20, in Capital Home addition to Salem; wd. \$200 D. B. Steeves to Mrs. Eliza Michaels, lot 3, block 10, in Riverside addition to Salem; wd. \$1500 Total \$5285

The realty transfers filed for record in the Marion county recorder's office yesterday aggregated the consideration of \$6196, as follows: Sely M. Cook and A. A. Longworth to W. F. S. Juller, 95 acres of land in 10 s, r 2 w, wd. \$4500 A. C. Coledge Company to A. A. Leonard, tract of land in 6 s, r 1 w, wd. \$1750 J. D. Barber et ux, to J. H. Crawford et ux, 36.86 acres of land in 10 s, r 2 w, wd. \$950 Anna Spaniol and George Spaniol her husband, to Joseph Zimner, et. tract of land in Sublimity, w. d. \$450 Nancy C. Fowler and A. W. Fowler, her husband, to H. S. Jory, lot 5, block 5, in George H. Jones' Addition to Salem, w. d. \$175 Betsy M. Rook to Ira Erb and C. Van Patten, lot 7, block 22, of Capital Park Addition to Salem, w. d. \$50 Leander Brown et ux, to G. P. Terrell, lot 4, block 8, in Mill City, q. c. d. \$18 John Fuchs et ux, to A. J. Kluppenecker, tract of land in 5 s and 6 s, r 1 w, wd. \$1 P. B. McKone and E. P. McKone, her husband, to A. D. Gardner, lot 4, block 6, in Stayton, q. c. d. \$1 Sarah O. Cusick to A. D. Gardner, lot 4, block 6, in Stayton, q. c. d. \$1 Maud Wilson et ux, to A. D. Gardner, lot 4, block 6, in Stayton, q. c. d. \$1 Delle Stayton Wimer and W. O. Wimer, her husband, to A. D. Gardner, lot 4, block 6, in Stayton, q. c. d. \$1 T. A. Stayton to A. D. Gardner, lot 4, block 6, in Stayton, q. c. d. \$1 Florence V. Young and A. M.

WOOD WANTED.

We would remind those of our subscribers who have promised to haul wood on subscription account that the season is getting late, and we would like to have the wood now, either this or definite dates as to when it will be delivered, and in what quantities. We want to be sure of our supply for the winter.

RHEUMATISM

Kidney Trouble and all ailments arising from weak and deranged nerves. Are positively cured with Kellie's Oil of Eden which relaxes and opens the pores of the skin, penetrates to the bone, dissolves and removes to the surface all impure and foreign matter, by which disease and pain are created in the system, and Sweet Spirits of Eden which strengthens the nerves that govern the whole system.

MANY SALES BEING MADE

Hop Growers Rapidly Disposing of Crops at Good Figures. There seems to be some doubt as to the present status of the hop market. There continues to be several sales daily at prices ranging from 20 to 22 1/2 cents per pound. The opinion was expressed yesterday from an authoritative source that the market was very unsettled, and would either go up or down in the near future.

RINGS FIRE BELL

TO WAKE UP THE PARENTS OF THE CAPITAL CITY. I was interested in a recent communication in the Statesman with reference to the open gambling places in this city, where boys are allowed to go and come at will, regardless of all law, state, municipal or moral.

English Market

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Statesman's Christmas Piano Contest. Enclosed find \$... for subscription to the... I hereby vote for... as my choice in the Oregon Statesman Christmas Piano Contest.