

SCIENTIFIC AND INDUSTRIAL

A Brooklyn manufacturer makes platinum wire too fine to be seen with the naked eye for use in telescopes instead of the thread of the spider's web.

An English physician, Dr. Evans, has reported what is probably the greatest fall ever survived by a human being—the case being that of a girl who jumped from a bridge 250 feet high, and was convalescent and free from pain within twenty days thereafter.

Dr. Edward S. Morse, of the Peabody academy of science, of Salem, Mass., in a recent lecture, made the somewhat startling announcement that as a vertebrate animal man was lower in the scale of development than the horse and other animals, his brain development alone placing him higher in the sphere of creation.

Mr. Thomas Meehan, the Philadelphia botanist, concludes that the use of the spines in the cactus is to break the full force of the sun on the leaves. Plant lovers set out their treasures in summer under "arbors" of fish netting or galvanized wire, knowing by experience how the moving shadows of the twine or wire lower the temperature.

A new illuminating agent, which an eminent Russian chemist predicts will succeed kerosene, has been tried in St. Petersburg. It is called pyronaphtha, and is prepared from the waste products of the Baku distillation of petroleum. It burns with a bright light, without smoke or vapor, and not reliable to take fire accidently or to explode.

A French chemist has brought forward a new method of manufacturing gunpowder. The requisite quantity of sulphur is dissolved in sulphide of carbon, and the solution is then mixed with the carbon, which instead of charcoal, as in other modes of powder making, is cotton or some other cellulose fiber, which is reduced to an impalpable powder. To this mixture is finally added the proper quantity of a saturated solution of saltpetre. The compound is now evaporated and the crystallization broken up, or it is evaporated in a vacuum. A very perfect incorporation of the several substances is secured.

Prof. Henry Drummond remarks that there can be no succession of crops without the most thorough agriculture, and that where man is not doing this work, nature employs other agents. Darwin has shown how the soil of England is tilled by earthworms to the extent of having ten tons of dry earth per acre annually transferred from below the surface, by passing through their bodies and being deposited as their casts. But in the hard-baked soil of tropical countries, the worms are unable to operate, and other agencies are demanded, an effective one being, Prof. Drummond finds, the termite, or a "wite ant." This creature lives upon dead vegetable matter, and its tunnelings, like the action of the earthworms, constantly bring fresh layers of soil to the surface.

TRAVELING IN ROYAL STYLE.

St. Louis, March 3.—Adolphus Busch, the millionaire brewer, left for California last night with his wife and several of their children and half a dozen friends for a six week's trip. The car, comprising a handsome dining-room, drawing-rooms, kitchen and sleeper, was made for Mr. Busch and bears his name. The silver wedding of Mr. and Mrs. Busch will be celebrated at Los Angeles, March 7, and a tour of the whole State of California will be made.

Anton Busch, a brother of Adolphus, arrived from his home in Mayence, Germany, this evening, in time to join the excursion, and two of Mr. Busch's sons, who are attending school at Frankfort, Germany, were given a vacation so that they could also make the trip. The party also included Mr. and Mrs. Ulrich Busch, and Miss Clausenius, of Chicago; Mr. M. Goebel, of New York city, and Mr. and Mrs. Tony Faust, of St. Louis.

Mr. and Mrs. Busch are blessed not only with worldly wealth, but also with splendid health, and a goodly share of children, having nineteen, ranging all the way from 2 to 24 years. Three of the daughters are married—one in New York, one in Chicago, and the third in Germany.

Convinced.

Mr. U. G. King, foreman of the Leontina Democrat, Leontina, Ohio, writes: "DR. S. B. HARTMAN, Columbus, Ohio: Gentlemen: Some time since, I had occasion to doubt the genuineness of most of the articles that appear in different papers in regard to your wonderful PERUNA, and my curiosity was so great that I determined to write to one of the many people that claimed to have been cured by this medicine, and accordingly wrote to Mrs. J. W. Reynolds, of New Lisbon, Ohio, and received the following reply: 'I received your letter this evening, and in reply would say that PERUNA, I believe, saved my life, and I can not recommend it too highly; for all complaints it is the best medicine in existence. It seems to help you as you swallow it. I would advise any one suffering from my complaint to take PERUNA and be convinced. Yours truly, Mrs. J. W. Reynolds.' Now, that's her card, word for word, and as I am well acquainted with the lady, I do not believe she would lie. It is truly wonderful how your medicine does its good."

James L. Manner, Prospect, Ohio, writes: "For the past ten years I have been suffering from constipation and dyspepsia, and all the evil effects that accompany them. I was treated by a number of doctors, all to no effect. I used several patent medicines, which did me no good, and about three years ago I was seized with a severe nervous trouble, and I was obliged to quit farming. I thought my days would soon be over, but last winter I received one of your pamphlets called the 'Ills of Life.' I at once tried your PERUNA and MANALIN. They helped me right away. I used nine bottles of PERUNA and three of MANALIN; and now I am quite well, and able to resume farming. I also had a little child who was attacked with a severe cramp in the stomach, we thought it would go into spasms. I used nothing but PERUNA. We gave it an injection of PERUNA and warm water, and gave it a teaspoonful of the medicine internally every half hour. It was relieved in one hour, and has not been bothered since. I have also used it with as good effect in case of croup and colds. I know that it is a wonderful medicine, and recommend it to all who are in poor health. The above statement I am willing to swear to."

W. M. Plants, Deep Valley, Greene county, Pa., writes: "Please send me your book on the 'Ills of Life.' I have used one bottle of PERUNA, and am greatly benefited."

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