

Weighing the Sunshine.

Prof. S. P. Langley's New Invention, the Bolometer, Described in the Globe-Democrat.

Washington, D.C., Nov. 1.—Sun spots have not been regarded as much in respect by astronomers hitherto, because of the doubt as to whether they really exert any influence over the weather. Unmistakably, however, they will receive more attention in the immediate future than ever before, on account of the remarkable fulfillment of the prophecy of a well-known astronomer as to the summer of the present year.

On this thread the prism through the sun's rays is placed, and the picture which it throws on the solar spectrum, or "rainbow," is beautiful. This point, however, has nothing to do with the matter. It is the business of the machine to record the temperature of various parts of the spectrum, more particularly those portions which are visible to the eye, and this is accomplished through a red or a thread of platinum much finer than a human hair.

Outside the building is the big machine pumping sunshine into the laboratory. The sun's rays are focused through a lens, and then pass through a prism which reflects the light into the bolometer. The bolometer is a delicate instrument which measures the temperature of the sun's rays.

Prof. Langley's bolometer is a delicate instrument which measures the temperature of the sun's rays. It consists of a small aperture through which a beam of light is directed, and a mirror which reflects the light into a scale.

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is to be employed unless the shop has two bona fide journeymen. Where there are four journeymen two apprentices shall be employed, and they are to be indentured for five years. Jobbers are to receive 10s per day of nine and a half hours.

In the coachmakers' case the Court found that four classes of work were recognized—journeymen, journeymen, who for any reason are unable to earn the full wages prescribed, apprentices, and half journeymen. All journeymen are to be paid not less than 1s. 3d. per hour, a week's work to consist of 35 hours, and Saturday work to start from 7.45 to noon. Overtime is to be paid. The proportion of boys to men is not to exceed one to three. Pieces work is not to be allowed.

In the painters' and decorators' case a number of employers were attached to the award. Upon this fact the Court was divided. In the match factory case the work was fixed at 1s. 6d. per hour, and the half hour's rest was to be observed. In the butchers' case the Court fixed the wages as follows: First shopman, £2 per week and found; second shopman, £2 10s and found; third shopman, £2 10s and found; fourth shopman, £2 10s and found; second small-goodman £2 10s and found; man in charge of hawking cart, £2 1s and found. In each of the above cases, where an employer is not found, the Court fixed the wages without stoppage of pay as New Year's Day, Good Friday, Easter Monday, Labor Day, Boxing Day, Anniversary Day, and the day on which the butchers' annual picnic is held. The proportion of boys employed by any employer to men is limited to one for every three or less number of men.

Mr. Justice Gwynn said that the Court had fixed weekly hours, so that the men could be employed on a regular basis. The arrangement of hours, so that employees could be employed on a regular basis, was a matter for the employer to decide. The Court fixed the hours to be suited to the business.

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A meeting of the Fisher Maiden Mining & Smelting Company will be held on December 15, at Bossland.

The following appointments are gazetted: Roland Ryder, of Hope, to be a coroner for the province, vice William Teague, William Wilfrid Southam, of Ladysmith, and Roland Ryder, of Hope, to be justices of the peace for the counties of Victoria, Nanaimo, Vancouver, Westminster, Yale, and Coquitlam.

Master Gunner Acheson Has Been Acquitted.

London, Nov. 22.—The extraordinary interest taken here in the Dover canal case, which has been known as the "British Dreyfus case," was accentuated today by the acquittal of Master Gunner Acheson, who had been charged with the murder of a lieutenant.

Pancy Dress Ball.—The Sons and Daughters of St. George, who held a brilliant masquerade in a. O. U. hall on Thursday evening, have decided to give a grand fancy dress ball early in the new year. Valuable prizes will be given in order to induce the preparation for given costumes.

Must Bear Signature of

FOR HEADACHE. FOR DIZZINESS. FOR BRUISES. FOR TORPID LIVER. FOR CONSTIPATION. FOR SALLOW SKIN. FOR THE COMPLEXION.

CURE SICK HEADACHE.

Official Notification Five Leading Barristers Appointed Queen's Council for the Province. Compulsory Vaccination Ordered in Nanaimo and its Vicinity.

Charles E. Pooley and H. D. Helmecon, of Victoria; Sir Charles Hibbert Tupper and L. G. McPhillips, of Vancouver; and G. E. Corbould, of New Westminster, have been appointed barristers of the Province.

The Nanaimo mining division, excepting the municipalities included therein, has been constituted a health district.

After December 1 a bounty of \$2 will be paid for every yearling calf in a section of the province.

The following finding of the Arbitration Court in Wellington, New Zealand, is published in the Lyttelton Times, published at Christ Church, N. Z. It is of interest as showing the length to which judgment was given in the Arbitration Court today in the coachmakers' bakers' and butchers' disputes.

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THE MACDONALD TRAINING SCHOOLS.

The visit of Professor Robertson to British Columbia for the purpose of organizing manual training schools, one of several to be established in Canada through the generosity of Sir W. Macdonald, which has been the subject of the Ottawa Journal of added interest.

The inauguration on Saturday last of a system of manual training for boys in Ottawa marks an important event in the history of Ottawa schools, and is the beginning of a movement destined, we believe, to strengthen our weak spot in our system of education.

The citizens of Ottawa owe a debt of gratitude to the commission on manual training for his liberality in providing the necessary funds for this undertaking, which has been the subject of the Ottawa Journal of added interest.

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EPP'S COCOA

GRATEFUL COMFORTING Distinguished everywhere for Delicacy of Flavor, Superior Quality, and Highly Nutritive Properties. Specially grateful and comforting to the nervous and dyspeptic. Sold only in 4-oz. tins, labelled "EPP'S COCOA," and in 1-lb. tins, labelled "EPP'S COCOA." London, England.

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NOT STRENGTH TO WALK. I had suffered time with a weak feeling, ot strength to walk about. I ad walk even a short distance being out of breath. I took rest in anything, as I thought, could do nothing to improve my condition. I was recommended a friend did to try Dr. Williams' Pink Pills for Pale People.

After paralysis, locomotor all diseases arising from chronic erysipelas, con-neral muscular weakness, the back, nervous head-ladies' weaknesses and a purgative. Sold by all ts a box or six boxes for ns' Medicine Co., Brock-

ICAGO AND GRAND TRUNK. Articles of Incorporation For the onsolidated System Have Been Filed.

ARRIVED. der Wilhelm Der Grosse Reaches Port Two Days Late. New York, Nov. 22.—The North Ger-loyd steamer Kaiser Wilhelm Der Grosse arrived to-day, 40 hours over-

IN CHINA. port That Chinese Have Repulsed German Expedition. London, Nov. 23.—Nine ministers, says Facts of responsibility of the mounting st, wiring Wednesday, have written letters denouncing the punishment inflicted on the Chinese. It is reported that Chinese troops have repulsed a German expedition, but no de-

MANCHESTER RACES. ord Cadogan's Filly Wins in First Day. London, Nov. 22.—At the first day-acing of the Manchester race meet- the Thursday plate of 100 sovereigns was won by Lord Cadogan's black filly in a Figli, by Saraband, out of Vivian-

Attention, Farmers!

Notice to Architects.

Home Office Mfg. Co., Dept. 1534, P. O. Box 518, Chicago.