

THE SMOKE PLAGUE CONQUERED

SCIENCE TRIUMPHS OVER NUISANCE THAT MARS LARGE CITIES OF COUNTRY.

Washington, April 26.—The smoke plague of American cities has been conquered by science according to the statement of federal experts who have been studying the problem for a number of years. They not only make the assertion that smoke prevention is possible, but stand ready to prove by actual demonstration to anyone sufficiently interested and are proving it every day at the United States geological survey experiment station at Pittsburgh, Pa. In that smoky city the plant is being operated absolutely without smoke and the experts are burning a coal considered refuse by the trade, costing, delivered at the station, 88 cents a ton.

"Some may say that this can only be done at a commercially operated plant," said H. M. Wilson, chief engineer, geologic branch, United States geological survey. "But the investigation conducted by the government leads to a different belief. Employees of the survey visited industrial establishments in the larger cities of Illinois, Indiana, Kentucky, Maryland, Michigan, Missouri, New York, Ohio and Pennsylvania and found more than 200 plants being operated without smoke and with a gain in economy, for smoke these days means waste.

"The investigation indicates that the clean, comfortable American city with a normal amount of sunshine is not far off. Smokeless cities only await a quickened public conscience to the fact that this nuisance means uncleanness, poverty, wretchedness, disease and death. The public has only to realize that smoke in the cities costs in merchandise in stores and warehouses, more than \$600,000,000 a year. This loss in money is based on the statement of the Chicago smoke inspector that his city suffers a loss each year of \$50,000,000. More than a third of the people of this country live in the great and moderate-sized cities."

Study of Smoke.

The geological survey has been endeavoring for several years by experiments to increase the efficiency with which the fuels of the country are being used and this led to a study of the smoke problem, for smoke is waste due to imperfect combustion. The statement is now made that in 50 per cent of the industrial plants of the United States, more than 10 per cent of the coal bill can be saved each year by the smokeless burning of coal and 5 per cent in the other plants. This would amount to several million dollars.

The experts who had immediate charge of this investigation were Dr. T. Randall and H. W. Weeks, engineers of the geologic branch of the survey, and they have just made their report which will soon be issued by the geological survey as a bulletin. Mr. Randall makes the statement that not only can bituminous coals high in volatile matter be burned without smoke, but also that large plants carrying loads that fluctuate widely, where boilers over banked fires must be put into service quickly and fires forced to capacity can be operated without producing smoke that is objectionable. Mr. Randall maintains that it is not necessary to use any one certain patented furnace to obtain smokeless conditions. On the other hand he declares that there are many types of furnaces and stokers that burn coal without smoke.

Credit Given.

"Credit is to be given to any one kind of apparatus only in so far as the manufacturers require that it shall be so set under the boilers that the principles of combustion are respected," says Mr. Randall. "A good stoker or furnace poorly set is of less value than

DR. PRICE'S WHEAT FLAKE CERLEY FOOD

is a perfect food, as it contains the most essential elements to supply energy for the performance of the various body functions. Its daily use tends to strengthen and regulate the bowels.

For sale by all Grocers

Those Power Bills

Let's see, there's the coal bill, the labor bill, the water bill, the oil bill, the regular repair bill, to go on through the list would be to enumerate some 40 or 60 different bills—the bills that you must foot up to get at the cost of operating that steam plant.

How would you like to have it reduced to a single bill—a bill for electric power with its convenience, cleanliness, greater productive capacity and economy?

How would you like to be freed from the cares of the boiler and engine rooms and have the space to use for other purposes?

Many who have investigated and installed individual electric drive, find all other advantages capped by economy, both direct and indirect. Won't you investigate, too? We are here to assist.

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STARVING WON'T CURE RHEUMATISM

Dieting will not help Rheumatism—indirectly it is harmful. For by taking away the strengthening food you become less able to stand the pain. To diet simply means to "lock the barn door after the horse is stolen." The poisons which cause Rheumatism must be dissolved and removed before the pains will stop or you can expect to be well.

Hill's Rheumatic Pills are made from healing roots and herbs which quickly dissolve the poisons which cause Rheumatism. And then, by strengthening and gently stimulating Kidneys, Liver and Bowels, the poisons are passed from the body and every twinge, ache and pain along with them.

These Pills have never been advertised till now—merit alone has introduced and sold them. We have letters from over 15,000 grateful people who have been relieved from pain and made well by the wonderful remedy.

Hill's Rheumatic Pills

Have been in use for 73 years without a single change in the formula. They are the only pills which cure Rheumatism without leaving the body just as bad in its leaving. Hill's Rheumatic Pills are purely vegetable. They contain no harmful minerals, such as iodides and subphosphates, to upset the digestion or weaken the heart. They cure by adding nature to throw off the poisons which cause Rheumatism. To all such we will give time, and you are free from every ache and pain and feel years younger as the deadly uric acid poison is dissolved and passed off as nature intended.

Test Them Free

We realize that there are hundreds of worthless nostrums on the market—that you may have been deceived into trying them and derived no benefit. If so, you have a right to be suspicious. To all such we will give a liberal sized package of Hill's Rheumatic Pills for a letter or postal describing their case. Address the letter to Helden & Copp, the makers, Dept. 100, Minneapolis, Minn. The package will come prepaid. Pay nothing then or at any time. When you find the aches and pains going, and see yourself becoming better, and have a good day—then you will KNOW and BELIEVE, and will be anxious to continue the remedy and be cured as we are to relieve your suffering.

You can then secure these Pills from your home druggist, George Freishelmer.

a poor stoker or furnace well set. Good installation is necessary for smoke prevention.

"And here is the secret of all smokeless burning of coal," Mr. Randall says, "stokers or furnaces must be set so that the combustion is complete before the gases strike the heating surface of the boiler. When partly burned gases at a temperature of, say, 2,500 degrees Fahrenheit strike the tubes of a boiler at, say, 350 degrees Fahrenheit, combustion is necessarily hindered and may be entirely arrested. The length of time required for the gases to pass from the coal to the heating surface probably averages considerably less than a second, a fact which shows that the gases and air must be intimately mixed when large volumes of gas are distilled, as at times of hand firing, or the gas must be distilled uniformly, as in a mechanical stoker."

Fired By Hand.

The survey's engineers do not believe satisfactory results can be obtained in plants where the furnaces are fired by hand. "Although hand-fired furnaces can be operated without objectionable smoke," says Mr. Randall, "the fireman is so variable a factor that the ultimate solution of the problem depends upon the mechanical stoker—in other words, the personal element must be eliminated. The small plant is no longer dependent on hand-fired furnaces, as certain types of mechanical stokers can be installed under a guarantee of high economy, with reduction of labor for the fireman.

"None of the problems of combustion has received more experimental treatment than the burning of coal in hand-fired furnaces. Hundreds of devices for smokeless combustion have been patented but almost without exception they have proved failures. This record may be explained by the fact that many of the patentees have been unfamiliar with all the difficulties to be overcome, or have begun at the wrong end. Numerous patents cover such processes as causing the waste gases to re-enter the furnace, and schemes for collecting and burning the soot are legion. So many manufacturers who have been looking for some cheap addition to a poorly constructed furnace to make it smokeless have experienced inevitable failure that the work of educating the public to rid cities of the smoke nuisance has been hard, long and only partly successful.

Notice.

The office of the Montana Independent Telephone company is in the real estate office of J. M. Rhoades, where all payments for stock can be made and other business transacted.

BRANDENBURG HOLDS CONFERENCE

ACCUSED MAN CONSULTS WITH HIS UNCLE REGARDING HIS PREDICAMENT.

San Francisco, April 26.—Broughton Brandenburg, who is under arrest on the charge of embezzling \$25,000, is reported to have been written by ex-President Cleveland, made public today for the first time the name of the man whom he alleges endeavored to secure a confession from him and offered complete immunity from prosecution on the charge against him.

He said on October 25, F. O. Lewis called on him at Dayton, Ohio, and in the presence of his attorneys said that he had arranged for the charge to be dismissed, providing that a complete confession was made. Substantial remuneration also was offered, says Brandenburg, but it was refused, as he insisted that the Cleveland article was authentic and the signature genuine.

Brandenburg had a long conference today with his uncle, Charles B. Curtis of Los Angeles, who came to this city to assist him in his struggle against extradition and to care for the boy, James Cabanne Hill, whom he brought here from St. Louis. At the close of the conference it was announced that a number of local men had become interested in the case, and had arranged for a consultation with Brandenburg's attorney.

APPEALS FOR CHANCE TO PROVE INNOCENCE

Spokane, April 26.—John K. Dutelich, personal friend of King Peter of Serbia and member of the Serbian society of the Balkans, who was arrested in Spokane in January on the charge of embezzling \$3,800 from the organization's general fund, and released a few days ago, has appealed to the courts of the state and the members of the society to give him an opportunity to prove his innocence. He declares he was the victim of a plot and that the conspirators have left the country. Dutelich was in custody in the Spokane county jail more than two months and before his release he was told that the prosecution had been dropped. Dutelich came into the public eye when trouble was threatened between Serbia and Montenegro, and at the request of King Peter he organized 520 former residents of Serbia, now in eastern Washington and southern British Columbia, to take up arms for the fatherland. When the war talk ended Dutelich was arrested, but since then six members of the society, who studied the books, have ascertained that the organization owes him \$142,448, instead of there being a shortage of \$3,800 in its funds.

NO COOLIE COSTUMES WILL BE PERMITTED

Seattle, April 26.—The action of Japanese Consul Tanaka in protesting against the employment of Japanese in native costume as Japikashamen on the Alaska-Yukon-Pacific grounds, resulting in the concessionaire being forbidden by the fair management to employ Japanese, was taken to carry out the policy of the Japanese government. The entire anti-Japanese sentiment in the United States, said Consul Tanaka today, is founded upon the theory that Japanese labor is of a low order and cheaply employed. The Japanese government's objection to the employment of Japikashamen is that the employment of Japanese laborers in the grounds would defeat the purpose of the exhibition.

"GRAFT" IS NEW WORD INCORPORATED IN LAW

Spokane, April 26.—"Graft" and "gross misdemeanor" are two words that have crept into the legal language of the state of Washington, both being incorporated in a section of the new criminal code, which will become effective on June 12. The section defines what constitutes graft. It applies to all administrative, executive, judicial or legislative officers, as well as to any person giving or promising any compensation, reward or gratuity to influence any public official, directly or indirectly to refuse, neglect or defer the performance of any public duty. "Gross misdemeanor" is a new classification of crime in the state of Washington. It is defined as every crime not covered in the definition of felony or a fine of not more than \$1,000 or imprisonment in the county jail for not more than a year, or both.

PATTEN IS ATTACKED BY CHURCH PASTOR

Kansas City, Mo., April 26.—James A. Patten, the wheat king, was attacked by Rev. J. L. Thompson, of the Forest avenue Christian church in his sermon last night. "As the wheat king says, it is his business to buy and sell," said the minister, "such business as his is carried on in one of France's would send him to prison. Show this country content itself with a lower standard of commercial morality than France or Germany? A day of judgment will surely come for those who make game of public hunger. Had the price of bread continued to go up there is no doubt but what riot and bloodshed in our great cities would have followed. It is a shameful condition of affairs that will permit one man or set of men to corner the poor man's necessities."

Rousing Dry Goods Values

49c for Wash Silks Worth 75c

Silks that wash and retain their luster after repeated laundering, 27 inches wide, all the popular shades of the season, stripes, dots and brocaded effects; yard..... 49c

\$1.19 for Guaranteed Taffeta Worth \$1.75

As good quality as you'll find elsewhere at \$1.75 and even \$2 a yard, full yard wide, on sale at, per pair..... \$1.19

19c for Mercerized Waistings Worth 35c

Good, heavy grade of white waistings, brocaded and figured effects, the season's chosen texture for white waistings; usually 35c yard; sale price, yard..... 19c

15c Colored Lawns Only 10c

In any desirable color, also plain black or white, excellent qualities and more than 50 patterns; yard..... 10c

Splendid Savings on Hosiery

Women's black or tan lisle hose, in out-sizes, regular 50c qualities everywhere, on sale at, per pair, 35c, or 3 pairs for \$1 Boys' heavy triple leg, narrowed ankle, extra heavy cotton ribbed hose, very special at, per pair..... 25c

Women's \$3 to \$4 Gloves Only \$1.50

Odd lots and broken sizes of buckskin, silk and kid gloves for autoing or driving, long, wide gauntlet styles; some among the assortment selling regularly up to \$4; choice of entire lot, per pair..... \$1.50

Big Embroidery and Lace Event

ASTONISHING underpricing marks this a new event in value-giving from our dry goods section. The sale embodies fine Torchon and Valenciennes laces, all widths of embroidery and insertion from the narrow sort to the wide flouncing, and corset cover widths. Prices never so low.

12 1-2c and 15c embroideries and insertions now only, yd., 7c
35c and 50c flouncings now only, yard..... 23c
Embroidery galloons, 6-yard bolts, per bolt..... 35c

School Dresses

Most Reasonable

A profusion of styles of exquisitely trimmed frocks in light and dark colors in from 4 to 14-year sizes. The collection contains dresses adaptable for school wear, afternoon and outing wear, and are made of pretty girlish checks, plaids, stripes, dotted and figure effects. Clever features are the neat strap trimmings and novelty pockets. Each one is a splendid garment and an excellent value at the prices, which range as low as from..... 75c to \$1.00

\$8.00 Tailored Taffeta Waists \$3.98

Tailored taffeta waists in black and colors, some with embroidered or lace yokes, others tucked and pin-tucked, high neck and long sleeves; fully 10 different styles, with values ranging as high as \$8; on special sale at..... \$3.98

\$2.25 Sateen Petticoats Only \$1.50

More than 50 petticoats comprise this lot, and come in several different styles, either in a good grade of sateen or in Heatherbloom. All are black, with fitted tops, extra wide flounce at the bottom and deep rust ruffle beneath; sold everywhere at \$2.25 each; now on special sale, while they last, at..... \$1.50

A Half Price Sale of Evening Capes

From a prominent New York manufacturer we secured a sample lot of handsome evening capes. Of course, in making up a sample lot a manufacturer never fails to put out the very best garment in every detail that is possible, for the samples are intended to bring him more trade. We place this entire sample assortment of capes on special sale for a few days only at just half their intrinsic value. This sale affords an opportunity for theater-goers and the fashionable set to secure these necessities to a well equipped wardrobe at an immense saving over regular prices.

The capes are in all of fashion's favored styles, including the Mary Garden, daughter of the Regiment and others equally as desirable, all in the beautiful evening shades popular this season, priced to you at Just Half Their Real Value.

Women's \$2.00 Muslin Nightgowns \$1.25

Comes in several different styles of trimming, high or low neck, long or short sleeve, as desired; one style is lace trimmed around the neck, another has the embroidery yokes; every one is a regular \$2 value; now special at..... \$1.25

D. J. Donohue Company

TOOTH OF MASTODON FOUND IN GROUND

Spokane, April 26.—What is declared to be the tooth of a mastodon was unearthed near Penewawa, Whitman county, Wash., south of Spokane, by Leon Cota, a laborer, while working on the public highway. The tooth is 10 inches in length and six inches in diameter. It is in good state of preservation, the only flaw being a slight crack in the enamel near the top of the tooth. Professors connected with the Washington State college, are of the opinion that the tooth has been buried in the sand and stone several thousand years, and they have endeavored Cota and his neighbors to make further search, in the hope that other parts of the mammoth skeleton will be found. Mastodon bones have been found in various parts of Whitman county, as well as in other parts of eastern Washington, but this is the first discovery of admitted importance in the vicinity of Penewawa.

PLAN TO ENTERTAIN PRESIDENT W. H. TAFT

Spokane, April 26.—Extensive preparations are being made by the people of Spokane for the entertainment of President Taft during his attendance at the 17th sessions of the national irrigation congress in this city, August 5 to 11, when it is expected there will be 4,000 accredited delegates from various parts of the United States and Canada, Europe, China, Japan and Australia, and from 3,000 to 40,000 visitors from states interested in irrigation, forestry, deep waterways

reclamation of swamp lands, good roads and home-making. R. Insinger, chairman of the local board of control of the irrigation congress, of which George E. Barstow, of Barstow, Texas, is president, has advised from Washington that plans for President Taft's tour of the northwest and Alaska are almost completed and that there will be no change unless public business forces the president to abandon the trip. Mr. Insinger said this is hardly likely, since the president expressed a desire to make the trip before he was inducted into office on March 4, and it is now believed he has fully arranged his affairs.

The Circus. It is necessary at all times to keep his muscles and joints supple. That is the reason that hundreds of them keep a bottle of Ballard's Snow Liniment always on hand. A sure cure for rheumatism, cuts, sprains, sore throat, lame back, contracted muscles, corns, bunions and all pains. Price 50c, 50c and \$1.00 per bottle. Sold by Geo. Freishelmer.

In dishwashing special care must be given to ivory handled knives. The handles should never be allowed to go in the dishpan. When washing, the handles should be held in the left hand while the right washes the blades. Spots can be removed from ivory handles and the polished surface restored by powdered pumice stone and water applied with very vigorous rubbing. HgEls. etoain shrdlu satoin etoain oin

Foley's Honey and Tar is a safeguard against serious results from spring colds, which inflame the lungs and develop into pneumonia. Avoid counterfeits by insisting upon having the genuine Foley's Honey and Tar, which contains no harmful drugs. Gorden City Drug Co., Geo. Freishelmer, Prop.

Bilikken, \$1. Send to Reeves' Music House, Helena.

S.S.S. THE CURE FOR SCROFULA

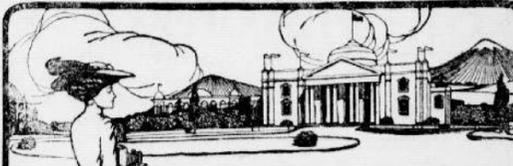
The usual symptoms of Scrofula are enlarged glands of the neck, sores and ulcers on the body, skin affections, catarrhal troubles, weak eyes, and general poor health. The inherited poison, transmitted through the blood, pollutes and weakens this fluid, and in place of its nutritive qualities fills the circulation with scrofulous matter, which saps the vitality of the entire system. Thousands of children, born with the vitality of manhood or womanhood handicapped by ill health and stunted growth, and perhaps later some disease of the bones or joints developed. S. S. S. given in their early life, would have prevented this. It would have cleansed and purified the blood of the taint, nourished and strengthened their systems, and assisted each to grow into strong, healthful manhood or womanhood. S. S. S. is the very best remedy for Scrofula. It goes down to the bottom of the trouble, and cleanses the circulation of all scrofulous matter. It supplies the weak, diseased blood with strength and health-building qualities, and under the purifying effects of this great remedy all symptoms of Scrofula pass away. S. S. S. contains no minerals in any form, and is an absolutely safe treatment for children, even infants, and persons of any age. THE SWIFT SPECIFIC CO., ATLANTA, GA. free.

Use Your Eyes, Do Not Abuse Them

Strength comes by use that trains but does not strain. If there is a hint or sign of strain, if there are spots before the eyes at times, if there is a headache or pain about the eyes, if there is a dimness of the letters seem doubled or mixed, then you are injuring your eyes every day. These defects may seem small, yet if left to themselves they will grow. The thing that will stop them is glasses—Proper Glasses.

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Visiting YELLOWSTONE NATIONAL PARK en route, via Gardiner Gateway, the official entrance.

Annual Race Festival, Portland: June 7-12; National Irrigation Congress, Spokane: Aug. 6-14; Rainier-Nash Park, from Tacoma: June 1-Oct. 1; provides additional attractions.

Full particulars, illustrated Exposition folder, with advice about Summer Tourist fares, upon application to N. H. MASON, Missoula, Montana.

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