

President Diaz of Mexico is to be the guest of the French nation during his visit to France...

The German government is granting a subsidy of \$1,500,000 per annum to call companies, and, in conjunction with Dutch undertakings, cables are to be laid between Batavia, Saigon, Palembang, Makassar, Amborna, the Carolines and New Guinea.

In South Carolina there was hanged last week a negro convicted of assaulting a white woman. This is the first execution under the law making this offense a capital one.

In the Georgia legislature a bill has been introduced to empower the State Commissioner of Agriculture to inspect proprietary medicines to see if they are wholesome or injurious.

The great dam across the Nile at Assoua, which has just been completed, is designed to hold back the floods and provide for a system of regular irrigation.

A young woman teacher of St. Louis tried to discourage tardiness by kissing the first pupil to arrive at school in the morning.

The new Austrian parliament contains no less than twenty-six parties, with membership ranging from two up to sixty-four.

A woman reformer recently pulled from the folds of her gown a soiled American flag and waved it before the audience, saying that she had waved it from public platforms in every country in Europe.

According to the statements of a former resident in the Klondike, the inhabitants of that region suffer much from snow blindness.

The groups of coast-defenders on duty at life-saving stations are now having their most trying experiences.

Fishermen will be interested in the announcement that 300,000,000 minnows will be distributed in the lower lakes from the Michigan hatcheries during the coming season.

SCIENCE AND PROGRESS



A NEW GUN.

If imagination is taxed to believe that by the aid of certain rays of light, managed in a special fashion, we shall soon be able to study every portion of the anatomy of the living being...

NO MODERN INVENTION.

In a little book of chafing dish recipes by Fanny Merrill Farmer, president of the Boston cooking school, the author says that they dwell in darkness who imagine the chafing dish a utensil of modern invention.

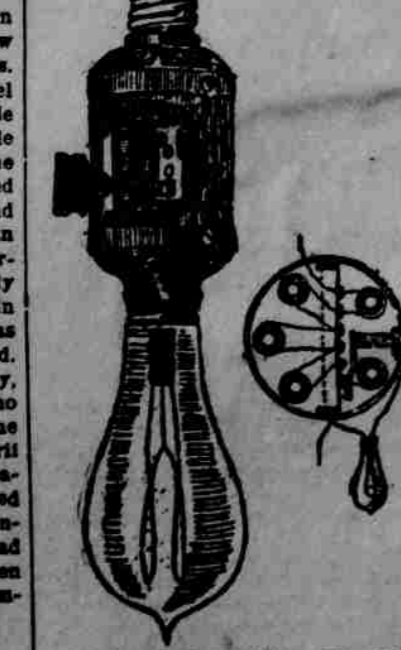
Among the ruins of Pompeii have been found chafing dishes of exquisite workmanship, which give undisputed proof of their use in the city which contained villas of many wealthy Romans.

SCIENCE AND STORMY CAPE HORN. In history, as well as in romance, Cape Horn looms before the imagination as the especial home of tempests, ship-whelming billows, cross-seas, black squalls, sleet, roaring gales and freezing blasts...

ELECTRIC LAMP REGULATED.

In our issue of January 16 we published an illustration of and description of a "turn-down" electric lamp, so constructed that by merely giving the lamp a slight turn in its socket it would give either the full light of sixteen candle power or a light of one candle power.

Within a perforated brass casing an upper and lower disk of porcelain are mounted. The disks are connected by a rectangular metal frame notched to receive the projections of a miniature switchboard of porcelain.



switchboard of porcelain. The disk is provided with a brass plug, screwing into the usual electric light socket; and the lower disk is provided with a screw socket to receive the lamp.

for the current from the live wires to the lamp. When it is desired to modify the light the key is turned to throw one or more resistance spoils in circuit.

Accurate tests of the lamp have been made. A test made with 61 1-2 watt, 110-volt lamp, of 16 c. p., showed that by throwing in the various resistance spoils from 37 to 57 1-2 watts were consumed and from 6 1-2 to 39 8-10 per cent of the current saved.

NOVEL CORN CUTTER.

The old method of cutting corn with a sickle has been in use for years, and many an acre of stalks has been cut with it without any thought on the part of the user of how to improve on the implement until a Michigan inventor concluded that the work should be done with the foot instead of the hand.



An inquest was held on one of this class of workers in London the other day. It appeared that he got a living—save the mark!—by haunting the courts and square off Fleet street and collecting therefrom old contents bills and discarded newspapers.

THE VALUE OF A TON OF METAL.

So remarkable are the results obtained in the manufacture of wire that a scientist has chosen this subject as a topic for a lecture. Ordinary wire is, as everybody knows, not at all expensive, but when metal is worked up into some of the articles in common use, its value is enormously increased.

SCIENTIFIC JOTTINGS.

London Waking Up. Telephones are to be added to the fire alarm boxes of London. The firemen will carry receivers in their pockets, and the handle of the alarm box will be made into a transmitter.

Medical Outfit for Patrol Wagons. Patrol wagons of Allegheny, Pa., have been equipped with medical outfit, and the sergeants of the police have been instructed how to render aid to the sufferings of victims of accidents.

White Lead Poisoning.

A large pottery firm in Staffordshire, England, has been carrying out a series of experiments with a view to manufacturing glazed china without white lead. The mortality among the workers, due to white lead poisoning, is heavy, and efforts have been made for some time past by legislative and other methods to prevent the danger.

You have to give some men a sound thrashing before you can command their respect. No matter how erect a general may be he is apt to learn more or less on his staff.

PROSPERITY ITEMS.

STRAWS THAT SHOW DIRECTION OF THE WIND.

Facts, Not Fancies. Taken from the Daily Press—Idlers Roll in Wealth While Workers Are Warned Off the Earth.

When one compares the statements made by the political prosperity shouters with those made by the trade journals showing the actual conditions that confront workmen in all parts of the country, some idea can be gained of the slim-flam game that was worked on the wealth producers.

"Birmingham, Ala., Colorado Springs, Col., Cripple Creek, Col., Denver, Col., Victor, Col., Bloomington, Ill., Canton, Ill., Lincoln, Ill., Alpena, Ill., Minneapolis, Minn., St. Louis, Mo., Kansas City, Mo., Helena, Mont., Butte, Mont., Omaha, Neb., New Orange, N. J., Buffalo, N. Y., Oklahoma City, O. T., Taylor, Pa., Scranton, Pa., Seattle, Wash., Cleburn, Tex., Los Angeles, Cal., Ashville, N. C., Cedar Rapids, Ia., Charleston, S. C., Wilkesbarre, Pa., Savannah Ga., Corsicana, Tex., Pueblo, Col., Jola, Kan., Philadelphia, Pa., Chicago, Ill., Mobile, Ala., Salt Lake City, Utah, Lima, O., Austin, Tex., the Upper Peninsula of Michigan, Birmingham, Mass., Joplin, Mo., Columbus, Ga., Quincy, Ill., Kenosha, Wis., Southern, Cal., Trenton, N. J., Milwaukee, Wis., Long Branch, N. J., Cleveland, O., Dallas, Texas, Easton, Pa., Macon, Ga., Marion, Ind., Bridgeport, Conn., Atlantic City, N. J., Rat Portage, Ontario, Florence, Colo., Hartford City, Ind., Springfield, Mass., Missoula, Mont., Lincoln, Neb., San Jose, Cal., Jamestown, N. Y., Joliet, Ill., Duluth, Minn., Rocky Ford, Col., Saginaw, Mich., Streator, Ill., Little Rock, Ark., Washington, D. C., El Paso, Tex., Davenport, Ia., Port Arthur, Tex., Mesa, Ark., Racine, Wis., Atlanta, Ga., Des Moines, Ia."

LONDON'S POOR.

Most people work in order to be able to live, but to this general rule, as to most others, there are exceptions. In every big city, for instance, are hundreds of men and women who work early and late, their only reason for so doing apparently being that they wish to be accorded the liberty of slowly starving themselves to death.

An inquest was held on one of this class of workers in London the other day. It appeared that he got a living—save the mark!—by haunting the courts and square off Fleet street and collecting therefrom old contents bills and discarded newspapers.

An "oller" in the argot of the streets is a man who makes a living, such as it is, by going about the residential parts of London and other great cities and oiling people's front garden gates for them at a halfpenny a time.

Some even among the better known industries pay a novice very little better. There is onion peeling, for instance, which employs some hundreds of men in the season. Here is the experience of a man who tried it, related as nearly as possible in his own words: "I went to the place, and the foreman he tells me to go and buy a peelin knife. That cost me 2 1/2d., or 5 cents. Then I starts and very soon gets all over yellor with onion juice. The boss he tells me not to cry so. 'It'll all come right in the end,' he sez. But I didn't agree wiv 'im, for when pay time come they only giv me 4 1/2d. (a little over 9 cents), and I'd been at it from 9 till 6. 'Are yer comin back tomorrow?' asks the boss. 'No fear,' says I. 'This job's too eggspensive a luguberry fer me. I ain't a millinnair, and I can't afford to keep it on.'"

Then, again, there is the "buzzard"—i. e., the man who pounces upon stray cigar ends and half-smoked fags and sells them to forists, who use them to fumigate plants, at the rate of three pounds for a shilling, or 24 cents. An active man who is lucky may possibly pick up three pounds in a single day, but two pounds or even a pound and a half is not considered "bad biz."

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Queen Victoria's childhood was much the same as that of other children, and it is interesting to note that she was the first member of the royal family to be vaccinated, having undergone the operation when a mere infant.

alive. Hand loom weaving still lingers in some of the more remote parts of the country, but the competition of machine made goods has reduced the remuneration of the weavers to a point at which it is impossible to properly sustain life.—London Express.

HOW MILLIONAIRES ARE MADE.

This being an age when millionaires and multi-millionaires are becoming more plentiful every day, the question arises, how are they made? Some persons say they are made by one process and some by another. There are several conditions that tend to make it easy for an unscrupulous and greedy man to heap up riches, provided he can by some good luck get hold of enough to give him a good start.

But the real secret of nearly all fortune-making is special privilege. Traced to its source, the unearned fortune is invariably found to be an outgrowth of monopoly, and that, too, of monopoly in its worst form—that is, private appropriation of natural opportunities. Here is one among thousands of very striking illustrations:

The present site of Chicago was once bought from the Indians for 3 cents an acre. The value of the most desirable piece of ground (a corner lot in the business center of the city) is now worth at least ten million dollars. This shows an increase of about one hundred and thirty million per cent.

In 1830, when there were about fifty people settled near Fort Dearborn, a quarter of an acre of what is now the heart of Chicago could have been bought for \$20. One man who bought a corner lot in that city for \$200, in 1834, sold it in 1835 for \$5,000. Today the same lot is worth more than one and a half millions.

But these are only a few among millions of instances where men have amassed vast fortunes by simply appropriating the unearned increment of land. No other human "lord" is so lucky as the "rent lord." He reaps big fortunes where he has sown almost nothing, and appropriates to his own use that which the whole community produces. There is a just and scientific method of putting a stop to the gaining of fortunes in that manner, and it should be universally adopted.—Ralph Hoyt, in San Francisco Star.

TAXES DISCOURAGE INDUSTRY.

We are apt to overlook the undeniable fact that a tax on a manufacturing plant discourages the erection of such plants. This is true of any sort of improvement upon upon land. In effect we punish a man by an annual fine for being enterprising. The man who lets his land lie idle and useless pays a low tax. The man who employs labor and buys material to erect a house or manufactory on his land pays a high tax. Our present method of taxation is a millstone around the neck of industry. Even if a man adds another story to his house or a back building up goes his taxes. If the business of a manufacturer increases and he builds an addition to his shop to employ a hundred more hands, to the great benefit of the community, we raise his taxes.

How can such a system be defended? We should, therefore, favor every step in the direction of the adoption of a sensible system and the total or partial exemption from taxation of manufacturing plants would constitute a wise beginning of the work.—York (Pa.) Gazette.

PUBLIC IMPROVEMENTS.

When the Salisbury government passed the act of 1896 for the relief of British farmers, the farmers were warned by the keener sighted and more outspoken liberals that the act was in truth one for the relief of landlords. Instead of lifting taxes from the working farmers who farm farms, they predicted that it would relieve the idle farmers who farm farmers. This prediction has now been verified. Before the act, so the London Speaker explains, landlords were constrained to make the tenants a rebate from their rent equal to half their tax. But after the act, which remitted to farmers half their tax, the landlords exacted full rent. It is the landlords, therefore, and not the tenants, who profit by the act for the relief of agricultural distress. There is a lesson in this. It is sharply suggestive of a truth that admits of no intelligent controversy, namely, that financial benefits conferred by government invariably tend to the enrichment of landowners.—Chicago Public.

Here is a Georgia boy's composition on the trouble in China: "China is a land of heathens that would rather worship a wooden god that grins at you than go to church an' pay rent. My Pa was a missionary in China. When the boxers commenced to box they knocked him out in the first round an' he lost three fingers an' a brand new hymn book with a bookmark in it. Then he comes home. He has still got 2 legs an' 2 arms left; though the mission board told him that he lost his head. He says home missions takes the cake.—Atlanta Constitution.

THE DUTY OF MOTHERS.

What suffering frequently results from a mother's ignorance; or more frequently from a mother's neglect to properly instruct her daughter! Tradition says "woman must suffer," and young women are so taught. There is a little truth and a great deal of exaggeration in this. If a young woman suffers severely she needs treatment, and her mother should see that she gets it.

Many mothers hesitate to take their daughters to a physician for examination; but no mother need hesitate to write freely about her daughter or herself to Mrs. Pinkham and secure the most efficient advice without charge. Mrs. Pinkham's address is Lynn, Mass.



Mrs. August Pilsbry, of South Byron, Wis., mother of the young lady whose portrait we here publish, wrote Mrs. Pinkham in January, 1899, saying her daughter had suffered for two years with irregular menstruation—had headache all the time, and pain in her side, feet swell, and was generally miserable. Mrs. Pinkham promptly replied with advice, and under date of March, 1899, the mother writes again that Lydia E. Pinkham's Vegetable Compound cured her daughter of all pains and irregularity.

Nothing in the world equals Mrs. Pinkham's great medicine for regulating woman's peculiar monthly troubles.

WET WEATHER WISDOM! THE ORIGINAL TOWER'S FISH BRAND SLICKER. WILL KEEP YOU DRY. NOTHING ELSE WILL. TAKE NO SUBSTITUTES. SHOWING FULL LINE OF GARMENTS AND HATS. A. J. TOWER CO. BOSTON, MASS.

MAN WANTED. with rig to sell our Poultry Mixture; straight salary \$10.00 per week and expenses; year's contract; weekly pay. Address with stamp. EUREKA MFG. CO., Dept. P, East St. Louis, Ill.

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IN 3 OR 4 YEARS AN INDEPENDENCE ASSURED. If you take up your homes in Western Canada, the land is plenty. Illustrated pamphlet giving experiences of farmers who have become wealthy in growing wheat, raising stock, etc., and full information as to railroad rates can be had on application to the Superintendent of Immigration, Department of Interior (Ottawa, Canada, or to W. V. Bennett, 301 N. Y. State Bldg., Omaha, Neb.

Salzer's Meltz. THE GREATEST OF ALL CEREALS. It will increase every heart in 100, with 100 lbs. of grain and 100 lbs. of hay, equal to Timothy, per acre. Get the premium by selling the introduction. Combination Corn is one of the greatest things of the country. It is early and is more money, substantially big yielder, a sort bonus to revolutionize corn growing. Salzer's Vegetable Seeds. The beauty about Salzer's vegetable seeds is that they never fail. They grow, and produce. They are of such high vitality they keep as long, and are the cheapest, making last prices every where. We warrant them. For 14 Cents and This Notice we send 7 packages of rare, choice, fine, specially selected vegetable seeds and a package of brilliantly beautiful flower seeds. All works, and our big catalog for only 14c and this notice is sent to you. To make this offer more complete, we will send you a 100 page farm seed catalog, fully worth \$1.00 to get a start and to get your mind.

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