

SOME NEW INVENTIONS

Saves Plumbers' Bills.



Many a housewife who thinks she is careful not to throw anything in the sink is surprised at the amount of waste brought to light by the plumber who has been sent for to discover the cause of the clogged drain. For the matter will accumulate in spite of extreme care. A Chicagoan has designed this new sink attachment to catch the waste products before they fall into the trap, thus making it easy for the material to be removed by any one without the aid of a plumber. The device is composed of a wire basket of fine mesh, which is suspended inside an enlarged section of outlet pipe, with means for removing the lid and lifting out the basket to empty the contents. Around the central lid is a perforated rim, through which the water flows into the siphoning gutter below, passing thence through a coarse screen into the wire basket, where the liquid is drained of all foreign matter. Suspended is a wire handle by which to remove the basket, and the cover can be lifted by the sliding loop at the center.

Takes the Mud Off Rapidly.

No one likes to go into the house with mud on the sides of his shoes, and yet no device which could be handily utilized to wipe the feet has hitherto been brought forward for this purpose. We exclude the mat and old-fashioned iron scraper, which do the work but poorly. It is not an easy task with the aid of both the mat and scraper to dislodge the mud from the sides of the soles or the uppers, and to accomplish this special object the boot and shoe cleaner recently patented by Monroe Powell will fill its own place on the front doorstep. There is nothing expensive or complicated about the cleaner, which consists of a pair of brushes and sufficient spring wire to support them with their faces toward each other and elevated at the proper height from the step. The wire is bent to afford a base, which is secured to



HOW IT OPERATES.

the step by double-pointed tacks, and screws are inserted through the eyelets at the ends of the wires and screwed into the backs of the brushes. When the foot is inserted between the cleaners the wire allows them to spring outward until the shoe will pass through the bristles. By kicking the foot through once or twice the edges of the shoe will be wiped clean.

Unique Indicator.

Here is a handy French letter balance which shows at a glance the correct amount of postage necessary to prepay any mail matter, the novelty being in the manner in which the weights are automatically adjusted to counterbalance different-sized packages on the opposite end of the beam. The letter or package is placed in a wire loop at the upper end of a post attached to one end of the tilting beam and at the opposite end of the beam is suspended the weight carrier. The lower weight is a four-sided cone, and is of proper size to fit the interior of the weight nest above, which in turn fits the next higher, and so on until all the weights are suspended in the same plane on the central support, each weight representing a unit of postage.

Rapid Comb Cleaner.

The invention shown below has been designed for cleaning combs of hair, dandruff and other matter which clogs up the teeth after the comb is in use a short time, the machine being especially useful in barber shops and hairdressing parlors, where the combs are in constant use, and it is necessary to have them always clean. The arrangement consists of a box with a removable top, in which is mounted a rotary brush of wire or stiff bristles, with a crank at one end by which it is revolved. In the bottom of the box is a row of curved fingers, which serve to remove from the bristles whatever the latter dislodge from the comb, it being a small task to remove this matter from the bottom of the box at intervals as it accumulates.

The Gelatograph.

The illustration shows an apparatus for the receiving of written messages by wire. In receiving messages by this machine, the electrical current is made to actuate the point of the pen by means of the pairs of electro-magnets located on either side of the tablet, as shown. Between each pair of magnets is a movable arm, which rises or falls according as it is attracted or repelled by the magnet, and the motion of the arm turns a toothed wheel pivoted at the side of the tablet. This wheel is in connection with a sliding rod, which has a rack to receive the teeth, and by the combined action of the two rotating wheels on the rods the point at their juncture is guided across the paper to transcribe the message. At the right side is an ink fountain, which is connected with the pen point by a flexible tube, and when the pen is at rest it is placed on a pad of gelatin or like material to prevent the ink from clogging the tip of the pen.

Prof. Moore and the Hall Shooters.

Professor Willis L. Moore, chief of the weather bureau, appears to be somewhat irritated because American horticulturists, as a result of the reports submitted by our consul at Lyons, are asking why this government does not adopt the French method of cannon-firing for the protection of orchards from hail and frost. In a statement which he issues as a reply to the numerous inquiries received concerning the matter, Professor Moore says the idea that the atmosphere can be bombarded into submission to man's demands in this direction is a popular delusion "as remarkable as is the belief in the effect of the moon on the weather," adding that "the uneducated peasantry of Europe seem to be looking for something 'miraculous.'" "They would rather," he says, "believe in cannonading as a means of protection, and spend on it abundance of money, time and labor, than adopt the very simple expedient of mutual insurance against losses that must inevitably occur."

Improvement in Currycombs.

Here is an improvement in currycombs which will be appreciated by every horseman, as it will do in an instant the work he is apt to neglect until it becomes absolutely necessary. The spring plate curvatures provides a non-slip surface in his invention. The inventor and dirt with hair and teeth clogging of from the slotted to conform with the row of teeth in the comb, with a hinge at one end to attach it to the side of the comb frame. The plate is provided at its opposite edge with a crimp extending either part way or clear across, which serves to lock the plate against the back of the comb while the latter is in use. When it is desired to clean the currycomb a slight pressure of the thumb on the locking crimp will allow the plate to spring clear of the teeth, and assume its natural curve again, at the same time ridding itself of the dirt and hair which it has dislodged from the teeth. The best feature of the improvement is the curving of the cleaner so that it will fly clear of the teeth without the necessity of pulling it free with the hand. The inventor says it will be only a question of time when all currycombs are made with the improvement he has invented.

Shadowless Light.

In an improved form of arc lamp for street and other lighting purposes the carbons are so placed as to throw no shadow underneath the lamp. One of the objections to the arc light heretofore has been the shadow cast by the mechanism necessary to support the lower carbon, but the new lamp overcomes this objection by suspending both carbons in an oblique position from the top of the lamp, as illustrated. It is understood that the light in an arc lamp is produced by the passage of the electric current between the slightly separated points of the carbons, and to maintain these points in proper relation the inventor has provided a clamping mechanism actuated by the expansion and contraction of the central rod of the governor. The first action as the rod expands is the clamping of the carbon pencils to prevent further downward movement, and the second is the spreading of the points until the arc is formed between them. As soon as the points are consumed partially the rod is again drawn upward, allowing the points of the carbons to fall together once more, which feed is assisted by the coiled springs attached at the upper ends of the carbons.

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Current Topics

"Father of Eight-Hour Day."

Organized labor, particularly in New England, is greatly interested in the celebration of the fiftieth anniversary of the connection of George E. McNeill of Boston with the movement. Fifty years ago Mr. McNeill began agitating in favor of the eight-hour work day, and he has been active in that direction ever since. He was the first field agent of the Eight-Hour League, and has won the title of "Father of the Eight-Hour Day." Beginning life as a bobbin boy in a woolen mill, he has devoted half a century to forwarding the cause of organized labor. He has written several books on labor subjects, and in 1886 was the labor candidate for Mayor of Boston. In 1885 he was chosen as arbitrator of the great Boston street car strike, and by his influence succeeded in settling it. He was born in Amesbury, Mass., in 1837, and his father was a great friend of the poet Whittier and of other anti-slavery leaders. In honor of his fiftieth anniversary as a labor leader a grand banquet will be given in his honor either in New York or Boston, the date and place not having been yet selected. It is assured that hundreds of men prominent in the work of organized labor will be present to honor the patriarch.

Surgeon Who Killed Himself.

Prominent laryngologist and army surgeon who started the "embalmed beef" investigation in 1898, committed suicide last week at Pittsburgh.

Another New Cult.

There is a new revelation of faith science. It comes from a Denver prophet of occult influences. He brings a gospel for the lazy. He has a new plan of physical culture. He calls it "mental gymnastics." He exercises his subjects by telepathy, or suggestion. He says: "They don't have to exercise at all—simply to think—and by the power of my mind I can develop their muscles. I follow the same plan with women as with men." Nothing could be more simple. Ample physical exercise can be taken by simply thinking that you are walking a long distance or running a footrace or turning double somersaults. All that you have to do is to "think"—the professor of mental gymnastics does the rest. It is a big thing.

"Holy Rollers," Rivals of "Elijah" Dowie.

"Elijah" Dowie and the healing hosts of Zion have a formidable rival in "Bishop" Eastman and the "Holy Rollers," who are now causing great excitement in central New York. The "Holy Rollers" are so called from their practice of rolling upon the ground in spasms of religious ecstasy. Often the "saints" of the church, after so rolling, become apparently lifeless and lie for hours in a cataleptic state. "Bishop" Eastman, the head of the "Holy Rollers," was a country teacher when, ten years ago, he became a religious devotee and organized the strange church which now has several thousand members. Their services are usually held out of doors, and preferably on a hill top, and are marked by much shouting, leaping, and kissing among the men. They practice "divine healing," and claim to have made most remarkable cures. At almost all of their meetings people who claim to be helpless paralytics and bed-ridden rheumatics are prayed over and anointed with oil, afterwards throwing away their crutches and rising from their beds to join in the wild shouting and leaping which go on all around them. The "Holy Rollers" have many strong churches in the rural communities of New York and Pennsylvania, and are fast spreading into other states. They have also organized a Canadian branch.

Not a Heavy "Rake-Off."

Hartford, Conn., Times: The "rake-off" of the state of New Jersey from the outside corporations it has chartered is \$1,616,129 for the year 1901. These companies are no less than 3,944 in number. The charge to even the largest of them is very small. Thus, the great Standard Oil company, with its capital of \$100,000,000, on which a dividend of \$80,000,000 was paid last year, is annually taxed only a little more than \$8,000 by the Jerseymen for the privileges which the state gives to the company in its charter.

One bird tied is better than a hundred flying.

A Comprehensive Trip.

If you are going to California this Summer and the Round-Trip Rates in effect for the Fifth International Convention of the Epworth League, should decide you to do so, why not go and return the most interesting ways? The Southern Pacific Company offer Three Routes—via St. Paul and Minneapolis along the northern border and Portland, Oregon; via the famous Shasta Route, via Denver, Salt Lake and Ogden, the great Ogden or Overland Route or via New Orleans, through Houston, San Antonio and El Paso, along the Mexican border, the Sunset Route. The tickets, which will be on sale July 6th to 13th inclusive, good for return until August 31st, can be purchased to read going via any of these routes and returning via either of the others. For particulars address W. G. Neimyer, General Western Agent, S. P. Co., 233 Clark street, Chicago, Ill.

The noblest of all charities is enabling the poor man to earn a livelihood.

Ask your grocer for DEFIANCE STARCH.

The only 16 oz. package for 10 cents. All other 16-cent starch contains only 12 oz. Satisfaction guaranteed or money refunded.

Variety may be the spice of life, but most men seem to prefer cloves.

Hall's Catarrh Cure.

Is taken internally. Price 75c.

Weighty questions ask for deliberate answers.

What Do the Children Drink?

Don't give them tea or coffee. Have you tried the new food drink called GRAIN-O? It is delicious and nourishing, and takes the place of coffee. The more GRAIN-O you give the children the more health you distribute through their systems. GRAIN-O is made of pure grains, and when properly prepared tastes like the choice grades of coffee, but costs about 1/4 as much. All grocers sell it. 15c and 25c.

The egg of today is better than the hen of tomorrow.

Mrs. Winslow's Soothing Syrup.

For children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, 25c a bottle.

Hear sixty advisers, but be guided by your own conviction.

Ladies Can Wear Shoes.

One size smaller after using Allen's Foot-Ease, a powder. It makes tight or new shoes easy. Cures swollen, hot, sweating, itching feet, ingrowing nails, corns and bunions. All druggists and shoe stores. 25c. Trial package FREE by mail. Address Allen S. Olmsted, Le Roy, N. Y.

A thing to which a fool does not consent, know as the right thing.

BOOK OF YELLOWSTONE PARK SCENERY.

Many of the beautiful scenes in Yellowstone National Park have been photographed and for the first time are presented to the public in a beautiful folder published by the Oregon Short Line Railway. In addition to the views, which would adorn any home, there is a great deal of information concerning the best way to visit the park that should be in the hands of all who contemplate visiting this storehouse of wonders. Send 4 cents in stamps to D. E. Burley General Passenger and Ticket Agent Oregon Short Line Railway, Salt Lake City, Utah, for a copy of this work of art.

Look before, or you'll find yourself behind.

Ask your grocer for DEFIANCE STARCH.

The only 16 oz. package for 10 cents. All other 16-cent starch contains only 12 oz. Satisfaction guaranteed or money refunded.

Good humor is the blue sky in which the stars of talent brightly shine.

GREATLY REDUCED RATES VIA.

OMAHA AND ST. LOUIS RAILROAD.
Buffalo, N. Y., on sale May 15th to Sept. 30th.
Kansas City, Mo., on sale June 7th to 11th.
Detroit, Mich., on sale July 5th, 6th and 7th.
Cincinnati, O., on sale July 4th, 5th and 6th.
Chicago, Ill., on sale July 23rd, 24th and 25th.
Louisville, Ky., on sale Aug. 23rd, 24th and 25th.
Cleveland, O., on sale Sept. 8th to 12th.
Half rates to most all points south first and third Tuesday, each month. Summer tourist rates to all summer resorts now on sale. For descriptive matter regarding the Pan-American Exposition, summer tours, rates and all information call at O. & St. L. City Office, 142 Farmington street (Easton Hotel building), or write Harry E. Moore, C. P. & T. A. Omaha, Neb., or A. J. Bandy, G. P. A., Kansas City, Mo.

Keep thy shop and thy shop will keep thee.

YELLOWSTONE PARK.

Extended tour, leisurely itinerary with long stops in the Park. Private coaches for exclusive use on the drive. Pullman sleeping and dining cars. Established limit to number going. Escort of the American Tourist Association, Reau Campbell, General Manager, 1423 Marquette Building, Chicago. Colorado and Alaska tours also.

An Effective Advertisement.

All successful business men agree that good advertising pays. Good advertising means interesting announcements placed in newspapers which reach a large proportion of the people. Probably most experienced advertisers would say that to make the merits of a single commodity the feature of an "ad" is the most direct and effective way of getting people's attention fixed on an establishment—Philadelphia Record.

NEW FAST TRAIN TO COLORADO.

Via Missouri Pacific Railway. The Missouri Pacific Railway is now operating double daily service from St. Louis and Kansas City to points in Colorado, Utah and the Pacific coast. Trains leave St. Louis 9 a. m., and 10 a. m., 10 p. m., Kansas City 8 p. m., and 10 a. m., carrying through sleeping cars between St. Louis and San Francisco without change. Excursion tickets now on sale. For further information address Company's agents. H. C. TOWNSEND, G. P. & T. Agent, St. Louis, Mo.

Truth is always consistent with itself, and needs nothing to help it out.

Piso's Cure for Consumption is an infallible medicine for coughs and colds.

N. W. SAMUEL, Ocean Grove, N. J., Feb. 17, 1900.

Some are weatherwise, some are otherwise.

Pain, suffering, Wizard Oil could not live together, so pain and suffering moved out. Ask your druggist about it.

What's given shines, what's received is rusty.

ASK your grocer for DEFIANCE STARCH.

The only 16 oz. package for 10 cents. All other 16-cent starch contains only 12 oz. Satisfaction guaranteed or money refunded.

Medicated with pure eye, use! Thompson's Eye Water

CURE FITS
FREE
A Full-Size \$1 Treatment of Dr. O. Phelps Brown's Great Remedy for Fits, Epilepsy and all Nervous Disorders. Address: G. PHILIPS BROWN, 29 Broadway, Newburgh, N. Y.

Before Buying a CARPET think about **RUGS!**
The "Domestic Rug," most beautiful, durable and long-lasting carpet. Finely illustrated book shows all the varieties of a carpet. Illustrated pamphlets, giving experiences of farmers who have become wealthy in growing wheat, reports of delegates, etc., and full information as to reduced railway rates can be had on application to the Superintendent of Immigration, Department of Interior, Ottawa, Canada, or to W. V. Bennett, 301 New York Life Bldg., Omaha, Neb.
ROBERT GREER,
80 Dearborn St., Chicago, Ill.
Express Prepaid. Evaluative Factory Agent.

IN 3 OR 4 YEARS AN INDEPENDENCE ASSURED
If you take up your home in Western Canada, the land of plenty. Illustrated pamphlets, giving experiences of farmers who have become wealthy in growing wheat, reports of delegates, etc., and full information as to reduced railway rates can be had on application to the Superintendent of Immigration, Department of Interior, Ottawa, Canada, or to W. V. Bennett, 301 New York Life Bldg., Omaha, Neb.

SPEED!
A high-grade tire, to be worthy of its name, should possess four virtues—speed, easy riding, ability to wear, ease of repair.
G & J Tires have all these virtues. When punctured, take off the outer cover and go on your way in a jiffy. So simple a child can do it. Catalogue free.
G & J TIRE COMPANY,
Indianapolis, Ind.

WINCHESTER
"LEADER" and "REPEATER"
SMOKELESS POWDER SHOTGUN SHELLS
are used by the best shots in the country because they are so accurate, uniform and reliable. All the world's championships and records have been won and made by Winchester shells. Shoot them and you'll shoot well.
USED BY THE BEST SHOTS, SOLD EVERYWHERE

DEATH
begins in the bowels. It's the unclean places that breed infectious epidemics, and it's the unclean body—unclean inside—that "catches" the disease. A person whose stomach and bowels are kept clean and whose liver is lively, and blood pure, is safe against yellow fever, or any other of the dreadful diseases that desolate our beautiful land. Some of the cleanest people outside are filthiest inside, and they are the ones who not only "catch" the infections, but endanger the lives of all their friends and relatives. There's only one certain way of keeping clean inside so as to prevent disease and that is to take CASCARETS. Perfect disinfectant and bowel strengtheners. All diseases are PREVENTED BY **Cascarets** LIVER TONIC. **BEST FOR THE BOWELS** NEVER SOLD IN BULK.
10c. 25c. 50c. ALL DRUGGISTS.
CURE all bowel troubles, appendicitis, biliousness, bad breath, bad blood, wind on the stomach, bloated bowels, foul mouth, headache, indigestion, pimples, and dizziness. When your bowels don't move regularly you are getting sick. Constipation kills more people than all other diseases together. It is a starter for the chronic ailments and long years of suffering that come afterwards. No matter what you put your bowels right. Take our advice; for you will never get well and be well all the time until you put your bowels right. Take our advice; start with CASCARETS to-day, under an absolute guarantee to cure or money refunded.
GUARANTEED TO CURE: Five years ago the Great Box of CASCARETS was sold. Now it is over six million boxes a year, greater than any other medicine in the world. This is absolute proof of great merit, and our best testimonial. We have faith and will sell CASCARETS absolutely guaranteed to cure or money refunded. Go by letter, two 50c boxes, give them a fair, honest trial, as per simple directions, and if you are not satisfied, after using one box, return the unused 50c box and the empty box to us by mail, or the druggist from whom you purchased it, and get your money back for both boxes. Take our advice—no matter what ails you—start to-day. Death will quickly follow and you will miss the day you first started the use of CASCARETS. Book free by mail. Address: STERLING REMEDY CO., NEW YORK or CHICAGO.

Fragrant **SOZODONT** TOOTH POWDER 25¢ Life is made up of aches and pains, spread on a thin strip of ephemeral pleasure.

Large part of the 12,000 head of the Wichita lands, it is claimed, can be shipped to market by the allotted time way station to take a farewell look at the prisoner. Half of the crowd consisted of women. Despite the effort made on August 1. The retailer is expected to add at least 10 cents to the price of every broom he sells caused by the controversy in congress as to the quality of armor. Other will be made for sale in England. Meanwhile it will be translated into Spanish, and be printed both in Eng- George K. Keenan in Russia. Morgan interests. The and the Vanderbilt. The