

Erity & Union,

Having remodelled their Mill, are now making better

Brands of Roller Flour

than ever before. Also, all kinds of Mill Feed. Flour exchanged for Wheat at new store in Erity Block, Saginaw St., Birmingham.

SCIENTIFIC TOPICS

CURRENT NOTES OF DISCOVERY AND INVENTION.

French Scientist Will Every West--An Antiseptic Broom the Progress of Science--Photographing at the Paris Exposition.

The Progress of Science. The British association, meeting this year at Dover, has once more marked the world's progress in those matters which are commonly grouped under the word sciences. The president, in his opening address, drew an interesting comparison between the state of knowledge as it is now with that of 100 years ago, and by way of illustration he pictured the town of Dover as it was in 1799, with its unlighted streets and its meager channels of service of sailing vessels. He claimed that, although a most rapid advance had been made in the manufacture of weapons of precision, and in explosives, there was a deep undercurrent of inferiority among the scientific foundations of war, for the touch of science made the whole world fire. From new arrangements were being made by which the leading academies of the world will, by representatives, meet at intervals to discuss questions which the learned of all lands are interested in, and he thought that this first meeting would be held at Paris in connection with the world's fair which is to close a distinguished feature of the close of the nineteenth century.

Uses for Skim Milk.

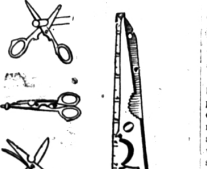
An interesting article reported by the chief of the dairy division of the United States department of agriculture, Major Alvord. This is a new composition somewhat resembling gelatin, made from skimmed milk. Paperizing is now made in considerable quantities in the United States; it is the dry curd of a condensed milk. It requires considerable of the skimmed milk to make this product, but at the same time vast quantities of skimmed milk are now wasted which can be utilized in making the new material, which is suitable for the manufacture of cloth, book covers, billiard balls, in fact for many things for which either cellulose or hard rubber is now used, and it has many advantages of its own, including impermeability to water and non-inflammability. It is thought that it can be used in the manufacture of electrical insulators.

Photographing at the Paris Exposition.

Amateur photographers will receive excellent treatment at Paris. The French commissioners have made a ruling concerning the taking of pictures at the exposition. Cameras will be allowed on the exposition grounds after a permit has been secured from the exposition authorities. A charge of 10 cents will be made for this, and the applicant will be required to furnish his name, age and other personal data, together with his residence at Paris. Only the buildings and general group can be taken. Photographs of individual exhibits will not be allowed, as the patent laws will not guarantee the patentee against photographs of articles exhibited. A charge of 25 was made for similar privileges at the World's Fair in Chicago, and photographs were even then taken with difficulty.

French Scientist Will Every Need.

A French inventor has just patented what he calls the universal screw, and the possession of which will make it unnecessary for the ordinary house-



hold to possess any other tools of any kind. In its ordinary use, the normal shape this pair of scissors will serve also as a screwdriver, a nail-puller, a wire-cutter and a glass-cutter and, as a tracer for embroidery patterns. When doubled up it becomes at once a measuring rule, a hammer, a finger-nail file and a can opener. This list, it is stated, by no means exhausts the uses to which the device may be put. Its invention by a Frenchman is triumphantly pointed out as a proof that inventive ingenuity, which has been the boast of Americans, is by no means

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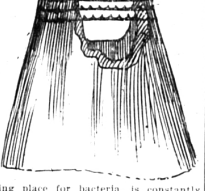
CURRENT NOTES OF DISCOVERY AND INVENTION.

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in fact, it is claimed that no American ever invented so small a tool which could be successfully used in so many widely differing operations.

An Antiseptic Broom.

A broom which will contain in itself the means for destroying moths and disease germs is evidently an article which will be of little value in the household. Such a broom has been invented by an inventor of Savannah, Ga. It will be observed that the antiseptic substances are contained within the broom straw in a bag held in place by the initial wrap of steel wire and transverse rows of stitching says the Scientific American. The penetration of the bag by these rows of stitching opens up numerous outlets for the antiseptic material in addition to the meshes of the cloth. The action of sweeping causes the antiseptic material to be distributed in minute quantities for the thorough deodorizing and disinfecting of the carpet and of the room. The broom itself, ordinarily a ferrule broom-



ing place for bacteria, is constantly kept in a sterilized condition by reason of its antiseptic properties. The bag is so perfectly enclosed and covered by the outside wrapping of straws that the broom presents the appearance of an ordinary broom without any hand external projections to scratch and mar the furniture of an apartment. Boston Traveler.

Safety in Racing Yachts and Motorboats.

Land and Water, says the Record and yacht are the two means of locomotion in which the factor of safety is reduced most keenly to the vanishing point. It is estimated that in the case of a heavy rider on a road wheel, riding over rough roads, when his machine experiences its heaviest jolts, the metal is being strained to within 25 per cent of its ultimate strength, hence the frequency of broken forks and buckled frames. Commenting on individual exhibits will not be allowed, as the patent laws will not guarantee the patentee against photographs of articles exhibited. A charge of 25 was made for similar privileges at the World's Fair in Chicago, and photographs were even then taken with difficulty.

Recent Inventions.

A shoe can be quickly laced by the use of a new attachment, comprising a pair of slotted ribs carried by the edge of the upper, with headed studs set in the slots to slide freely, with a piece attached to the studs to draw the edges of the upper together as the studs are raised.

A hand-shaped bracket for use in a hand saw is provided with a pair of angular blocks pivoted on top of the car and held in a folded position by the cable, the breaking of the latter releasing the blocks into their operating two links, which catch in the sides of the well and support the car.

A handy adjustable bracket for use in a hand saw is provided with a pair of angular blocks pivoted on top of the car and held in a folded position by the cable, the breaking of the latter releasing the blocks into their operating two links, which catch in the sides of the well and support the car.

Moving and reaping machines can be provided with a new whip-holder, which is formed of supports attached to the tongue of the machine, carrying a whip socket with gear wheel at the rear, which meshes with a gear shaft extending in position for the driver to turn it and operate the whip.

Western Women as Well as Men

Are Made Miserable by Kidney Trouble.

Kidney trouble prey on the mind, dis- courage and lessens ambition; beauty, vigor and cheerfulness disappear when the kid- neys are out of order or diseased. Kidney trouble has become so prevalent that it is not uncommon for a child to be born afflicted with weak kid- neys. If the child ar- rises too often, if the urine scalds the flesh or if, when the child reaches an age when it should be able to control the passage, it is yet afflicted with bed-wetting, depend upon it, the cause of the difficulty is kidney trouble, and the first step should be towards the treatment of the same. This unpleasant trouble is due to a diseased condition of the kidneys and bladder and not to a habit as most people suppose. Women as well as men are made miser- able with kidney and bladder trouble, and both men and women are cured by the mild and the immediate effect of Swamp-Koot is soon realized. It is sold in sample bottles by mail, for one dollar and one dollar. Home of Swamp-Koot all about it, including many of the thousands of testimonials from sufferers cured. In writing Dr. Kilmer & Co., Binghamton, N. Y., he uses and mentions this paper.

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A PIG



CAN'T PLAY A FLUTE? Because he isn't built that way. Neither can you take proper care of your valuable papers. Deeds, Mortgages, etc., should be kept in a fire proof vault. Our Safe Deposit Boxes do it. Try it a year for a dollar.

Conveyancing, Contracts, Loans, Mortgages, etc.

Twenty years' experience. Private office. Every convenience. We can do anything for you that can be done by any bank. Try us.

Exchange Bank, Birmingham, Mich.

SEND US \$1.00. We will send you a sample bottle of Swamp-Koot. This is a mild and effective remedy for kidney and bladder trouble. It is sold in sample bottles by mail, for one dollar and one dollar. Home of Swamp-Koot all about it, including many of the thousands of testimonials from sufferers cured. In writing Dr. Kilmer & Co., Binghamton, N. Y., he uses and mentions this paper.

What President Coolidge has done for us. President Coolidge has done for us what no other president has done. He has kept the country in a state of peace and prosperity. He has kept the country in a state of peace and prosperity. He has kept the country in a state of peace and prosperity.

Free Pills. Send your address to H. E. Buckle & Co., Chicago, and get a free sample box of their pills. These pills are easy to take and are particu- larly effective in the cure of constipation and sick headaches. For malaria and liver troubles they have been proved perfectly free from every deleterious sub- stance and to be purely vegetable. They do not weaken, by their action but by giving tone to stomach and bowels greatly invigorate the system. Regular use of these pills. Sold by Whitehead & Mitchell, druggists.

LITTLE CLASSICS.

Honesty is often quoted to ruin. Phaedrus. No word is ill spoken if it be not ill said. Proverb. Life is the art of being well de- ceived. I do pity unlearned gentlemen on a rainy day. Falkland. Gentlemen's most powerful that are the faintest. Carlyle. We pardon infidelities, but we do not forget them. Mme. de La Fayette. Nobody contents himself with rough diamonds, or wears them so. When polished and set, then they give a luster. Locke. Let me make the newspaper, and I care not what is preached in the pulpit, or what is enacted in congress. Wendell Phillips. If we could have a little patience, we should escape much mortification. Time takes away as much as it gives. Mme. de Sevigne. Man's unappreciation, as I construe it, comes of his greatness; it is because there is an infinite in him, which with all his cunning he cannot quite bury under the finite. Carlyle. Hope may be but another name for deception and disappointment; but youth is supreme happiness in itself, because all possibilities lie in it, and nothing is fixed or irrevocable. Optimism. Education is the leading of human souls to what is best, and making what is best out of them. The train- ing which makes men happiest in themselves also makes them most serv- iceable to others. Ruskin.

Real Estate Exchange

Of Whitehead & Mitchell, at the Exchange Bank, Birmingham, Mich. No. 26. The following is a list of farms for sale in the town of Royal Oak, Michigan. The farms are located in the neighborhood of the village of Royal Oak, Michigan. The farms are located in the neighborhood of the village of Royal Oak, Michigan. The farms are located in the neighborhood of the village of Royal Oak, Michigan.

Special Cloak Sale

Manufacturers' Samples 239 Garments bought at 60c on the dollar are offered at corresponding reductions from regular prices. Waite Bros., Binghamton & Co.

HOLIDAY GOODS

Whitehead & Mitchell's A Merry Christmas to You. Come and hear the Graphophone. We have a nice line of Toys at very low prices. Call and investigate. Silverware at ridiculously low prices. A new line of fine Jewelry at fair-raising prices, and prices reduced on all Holiday Goods. We do not wait until after the Holidays, but give the benefit in advance. We have a full line of Plush Goods, Albums, Perfumery in bottles, Perfumery in bulk, Cups and Saucers, Fancy Crockery. Our 10c line is a stunner! Our 25c line is a Winner. 25c Silverware for 15c.

Call and get a set of Teaspoons or Forks for 15c. You never saw like. Come and hear the GRAPHOPHONE. All the popular airs. Yours for the Holidays, Whitehead & Mitchell.

Whitehead & Mitchell.

Here the business world is reproduced in miniature and our pupils carry on commercial transactions just as moneyed business men, learning to do business by doing it. This close contact with all principal branches of commercial system and their best form places in the hands of our pupils the greatest power to make success. Our Employment Bureau gives assistants in every position which they fill capably, and the demand for Gutches-trained assistants increases continually.

Gutches College.

Our is essentially the school of practical results and as such stands at the head of the business colleges of the country, providing the best modern business education it is possible to secure anywhere. Day and night sessions, same courses and teachers. Terms liberal. Write us today--tomorrow never comes. GUTCHES COLLEGE, Hamlet Building, Corner Grand River Ave. and Griswold Street.

LYCEUM DETROIT'S SPACIOUS THEATER.

Evenings--8:30-10:30. Popular 25c Matinees--Wednesday, Saturday, Sunday, at 2 p. m. Williams and Walker in "The Policy Players." Next Week--"A CONTENTED WOMAN."

Whitney Opera House.

Evening and Sunday Matinee, 10c-20c-30c. WEEK DAY MATINEES--10c-15c-25c. The Big Sensational Production, "Midnight in Chinatown." Next Week--"Two Little Vagrants."

The Favorite Amusement Place Wonderland.

Performances--Afternoon and Evenings. Entire Change of Attractions Every Week. A Farm Library of unequalled value--Practical, Up-to-date, Concise and Comprehensive--Hand- somely Printed and Beautifully Illustrated. By JACOB BIGGLE.

BIGGLE BOOKS

No. 1--BIGGLE HORSE BOOK. All about Horses--Common Horse Treatise, with over 150 illustrations; a standard work. Price, 50 cents. No. 2--BIGGLE BERRY BOOK. All about growing Small Fruits--read and learn how to cultivate them. Price, 50 cents. No. 3--BIGGLE POLTRY BOOK. All about Poultry--the best poultry book in existence, all about everything; with 200 colored life-like reproductions of all principal breeds, with 100 other illustrations. Price, 50 cents. No. 4--BIGGLE COW BOOK. All about Cows and the Dairy Business; having a great deal of information on the production of milk, with 150 other illustrations. Price, 50 cents. No. 5--BIGGLE SWINE BOOK. All about Swine--breeding, feeding, butchering, diseases, etc. Contains over 100 beautiful illustrations and other engravings. Price, 50 cents.

Church Notes.

METHODIST EPISCOPAL--Rev. N. Norton, Pastor. Sabbath services at 10:30 a. m. and 7 p. m. Sunday school at 11 a. m. Epworth League services at 7:30 p. m. on Thursday evening at 7 p. m. All are welcome. PRESBYTERIAN--Rev. H. S. Justus, Pastor. Sabbath services at 10:30 a. m. and 7 p. m. Sunday school at 11 a. m. Prayer meeting at 9 p. m. Prayer meeting on Thursday evening at 7 o'clock. Everyone invited. BAPTIST--Sabbath services at 10:30 a. m. and 7 p. m. Sunday school at 11 a. m. Prayer meeting at 9 p. m. Prayer meeting on Thursday evening at 7 o'clock. All are welcome. UNITED PRESBYTERIAN--Rev. M. Maxwell, Pastor. Sabbath services at 10:30 a. m. and 7 p. m. Sunday school at 11 a. m. Prayer meeting at 9 p. m. All are welcome.

QUESTION ANSWERED.

Yes, August Flower still has the largest sale of any medicine in the civilized world. The great number of testimonials never thought of using anything else for Indigestion or Bilelessness. Doctors and nurses are now and they seldom heard of Appendicitis, Nervous Prostration or Heart Failure, etc. They use August Flower to cure these troubles. The system and that is all they took out of their bodies. You only need a few doses of Green's August Flower, in which is contained the system. Regular use of these pills. Sold by Whitehead & Mitchell, druggists.