

The Newest Notes of Science

Wine presses driven by electricity are used in France.

A nut cracker that will crack three nuts at once is a novelty.

Germany is experimenting with electric machinery for gathering peat.

Watches small enough to be worn in a man's coat lapel have been invented.

The average annual fire loss in the United States is about \$2 for each inhabitant.

A substitute for imported edible gelatin is made in the Philippines from seaweed.

Kentucky and Pennsylvania produce nearly all the canal coal mined in the United States.

China imports great quantities of old horseshoes and converts the metal into knife blades.

Including all the movements of the earth, a person travels 85,255 miles in taking a three-mile walk.

Holland has a plan for manufacturing illuminating gas from petroleum residue by dry distillation.

For the first time in its history the British Royal Astronomical Society has admitted women to membership.

An Illinois inventor has patented a gas fluffon which employs a Bunsen burner to keep it at an even temperature.

A baseball bat for bunting, having strips of non-resilient material set into the end, has been patented by a sailor.

The government of British Guiana will here and there test the truth of the recent reports of petroleum discoveries.

With delicate apparatus a Russian scientist has demonstrated that light waves exert a measurable mechanical pressure.

A recently patented sanitary bread board is covered with a clean sheet of paper drawn from a roll each time it is used.

A practical hub step for wagons which is fastened to the nut on the end of an axle has been patented by a Texan.

A Frenchman has invented an effective silencer for aeroplane motors that is said to reduce the power but two per cent.

China has increased its telegraph lines to a total of about 30,000 miles, of which the government owns more than one half.

Apparatus automatically to register the percentage of oxide of carbon in illuminating gas has been invented by an Englishman.

The states of the Pacific coast maintain about 40 per cent of the total estimated available water power of the United States.

The arms as well as the seat fold in a new theater chair so that it occupies less room than most of such chairs when empty.

Extensive deposits of asbestos with a longer fibre than any mineral fiber heretofore known have been discovered in the Transvaal.

To hold a dancing slipper secure is the purpose of a recently patented piece of rough fabric to be fastened inside it at the heel.

An elderly man who has been invented in Germany (that is so much like grape wine that it can be used as an adulterant of it).

An Illinois physician has invented a device which receives and records from far distant points.

French scientists have discovered a new source of vegetable ivory in the fruit of a small palm that grows prolifically in the Soudan.

A soft wood, suitable for making matches and their boxes, has been discovered in the Dominican republic and a factory established.

To lessen the noise of a rubber hand stamp there has been patented a sound-deadening pad on which papers to be stamped can be placed.

The government of Holland is planning to establish direct wireless communication between the home country and the Dutch West Indies.

French phonographic records, made on a recently invented cloth, which can be mailed like letters, threatens seriously to rival stenography.

A new kitchen utensil that resembles a spoon with a perforated bowl ending in three narrow fork tines has more than fifteen uses.

A bathroom novelty is a spring wire bracket to be clamped to a faucet.

so shaped as to hold either a tumbler or a cake of soap securely.

A Vienna physician has obtained good results and effected some cures by treating insane persons with hypodermic injections of pure oxygen.

That the human brain can withstand the strain of persistent work better than the muscles of the body has been proved by recent experiments.

To remove the water of the Pacific ocean it would require the filling of a tank a mile wide, a mile deep and a mile long every day for 440 years.

After long experimenting a way has been found to utilize for coarser textiles the fibre of the Cuban malva plant, of which there are eleven varieties.

A French woman living in New York and an athletic director have patented exercising apparatus that resembles and is operated much like a bucket saw.

An English builder believes he strengthens ships by attaching the bulkheads to the outer plates by flanges so shaped that the rivets run in semicircles.

Ohio man has invented a bicycle with five wheels, two in front and three behind.

A Michigan woman is the patentee of a utensil for cooking filling for poultry outside of a bird, but in such a position as to absorb its juices and flavor.

German scientists have found that it is possible to purify bacteria carrying oysters by allowing pure, fresh sea water to run over them for four or five days.

A railroad and wagon bridge in Arkansas has been so built that any span can be utilized as the lift span should the channel of the river that it crosses shift.

Experiments with Nova Scotia seaweeds for fertilizer have proved them to be rich in potash and to contain considerable quantities of nitrogen and phosphoric acid.

Explorations have proved a long maintained theory that Finnish Lapland contains vast deposits of the highest grade iron ore, equal if not superior, to the best Swedish.

A clock invented by a Los Angeles jeweler slowly winds itself as it rolls down an incline on which it is mounted, weighs within the time-piece controlling its speed.

To permit a person to identify his toothbrush one has been invented with a transparent handle with a hole in the end, into which a card can be inserted and the hole closed again.

By using chrysalis oil and mulberry cellulose a Japanese has invented an artificial silk that is said more nearly to approach the lustre of the genuine than any heretofore manufactured.

Recently perfected electric turnstiles for public places permit a person to pass only when a coin is dropped in a slot, registering the number of persons passing it at any convenient place.

Because frosts do the most damage when the air is calm, a Paris scientist has advanced the theory that orchards and vineyards can be protected by electric fans to keep the atmosphere moving.

Investigation of sickness among men engaged in manufacturing shuttles in London from wood imported from Africa showed that the fine dust which they inhaled was a slow poison, affecting the heart.

Department of agriculture experiments have shown that it is possible to make a good quality printing paper from zacatol grass, which grows prolifically from California and Texas south to Argentina.

For compressing air in a tank an Italian inventor has brought out an engine without a fly wheel, a piston-driven driven back and forth in a cylinder by oil fuel and pushing the air ahead of it at each end.

Because large windmills produce too great a twisting strain on their bearings a Colorado man has invented one in which one end of the shaft supporting the wheel is carried on a track that encircles the tower.

A lump of some fireproof composition, heated to incandescence by an oxygen-acetylene jet in a new French automobile headlight, can be turned out of the focus of its reflector to lessen the glare of the light.

Government experts have estimated that the Pribilof Islands contain the greatest deposit of bones in the world and that the fertilizing properties of the bones have been remarkably preserved by the atmosphere.

were severed by sharp differences of theological views, but the Christianity of to-day passes from one hymn to the other with no sense of jar or difference, since both live in this air of personal loyalty to Christ.

"Soldiers of Christ, Arise," Wesley shared in a little of his brother John's hard headedness. He was brought into close contact with the difficult realities of life as experienced by the poor.

He knew that a merely contemplative church was helpless for the reconstruction of the community in the image of God's thought.

This hymn is a call to action, a trumpet blast that challenges the selfish ease of those who bear the name of Christ.

The approach of quietism has too often been thrown upon the singers of the Christian faith.

The charge is contradicted by the lives of the hymn writers.

Xavier, who wrote one of the great hymns of the church, was a missionary.

John and Charles Wesley were missionaries to the neglected poor of England.

The highest contemplative type of Christian requires and usually obtains the supplement of an active, ministering spirit.

"A Charge to Keep I Have." In witness to responsibility of Christians Charles Wesley struck a note of obligation which helps to complete the symphony of his Christian music.

Wherever Christianity tends to become a matter of delegation, responsibility, whether to the minister, the priest, the bishop or any other channel of authority from without, we need this message of personal responsibility for the wise use of our powers and opportunities.

It is the completing note of the deeper and more personal traits of the Christian life.

The way of closer access to a sympathetic acquaintance with the Master is the way of life with our fellow men.

Plays and Players

Dana Burnet, of The Evening Sun, recently asked Mme. Yvette Guilbert for her views on the intricate subject of the women of New York.

"The streets this year," she said, among other things, "are filled with very small women."

"I notice the lack of those handsome, tall, decorative Americans of twenty years ago. The new generation is shorter in the legs."

H. H. Frazer, who has not made a production since "Sherman Was Right," has renewed his activities with a new play entitled "Everyman's Castle," by William Anthony McGuire.

In the cast are Wilton Lackaye, Kitty Gordon, Emily Ann Wellman, Cyril Scott, Effingham Pinto and Kathleen Clifford.

Violet Heming, the lovely English heroine of Roi Cooper Megrue's war play, "Under Fire," has a nice story to tell of some of the difficulties of enlisting "K's army" in London.

"A recruiting officer approached an admirable specimen of English manhood on the bank of the river on the other day," she says, "and said to him: 'How old are you?' To which the answer was: 'I'm twenty-seven.' 'They haven't you enlisted?' asked the officer.

"'No? Me enlist? With the war going on?'"

The Jewish residents in Taunton, Mass., won an ethical victory recently, when Shakespeare's "Merchant of Venice" was banned from the grammar schools.

The Jewish citizens had maintained that this masterpiece reflected upon their race and that it was not seemly that their children should be compelled to read and study its text in the public schools.

In their dilemma, the local authorities asked two Boston educators to act as judges. It was decided that the "Merchant of Venice" is more suitable for study by pupils in the higher grades.

Following the premier of "My Soldier Boy," the Shuberts will produce a new opera by Victor Leon, entitled "The Girl from Brazil," with a company which includes Margarette Namara, Frances Demarest, John T. Murray, Marion Fallou, William Philbrick, and Craig Campbell.

The score is by Robert Winterberg and Sigmund Romberg, and the lyrics by Matthew Woodward.

The American production has been made by Edgar Smith.

The Shuberts also announce that they are organizing three companies to tour next season in "The Blue Paradise," and a special organization to tour the West in "Alone at Last."

James K. Hackett, Canadian-born actor now producing Shakespearean plays since he has become a millionaire, suffered the misfortune to fall ill just before "The Merry Wives of Windsor" was put on by his company in New York.

Mr. Hackett's manager, arranged with the telephone company to place a transmitting intensifier on the stage and a receiving intensifier in Mr. Hackett's room in his residence. Although lying ill in bed, he nevertheless heard every word of the text and every note of the incidental music.

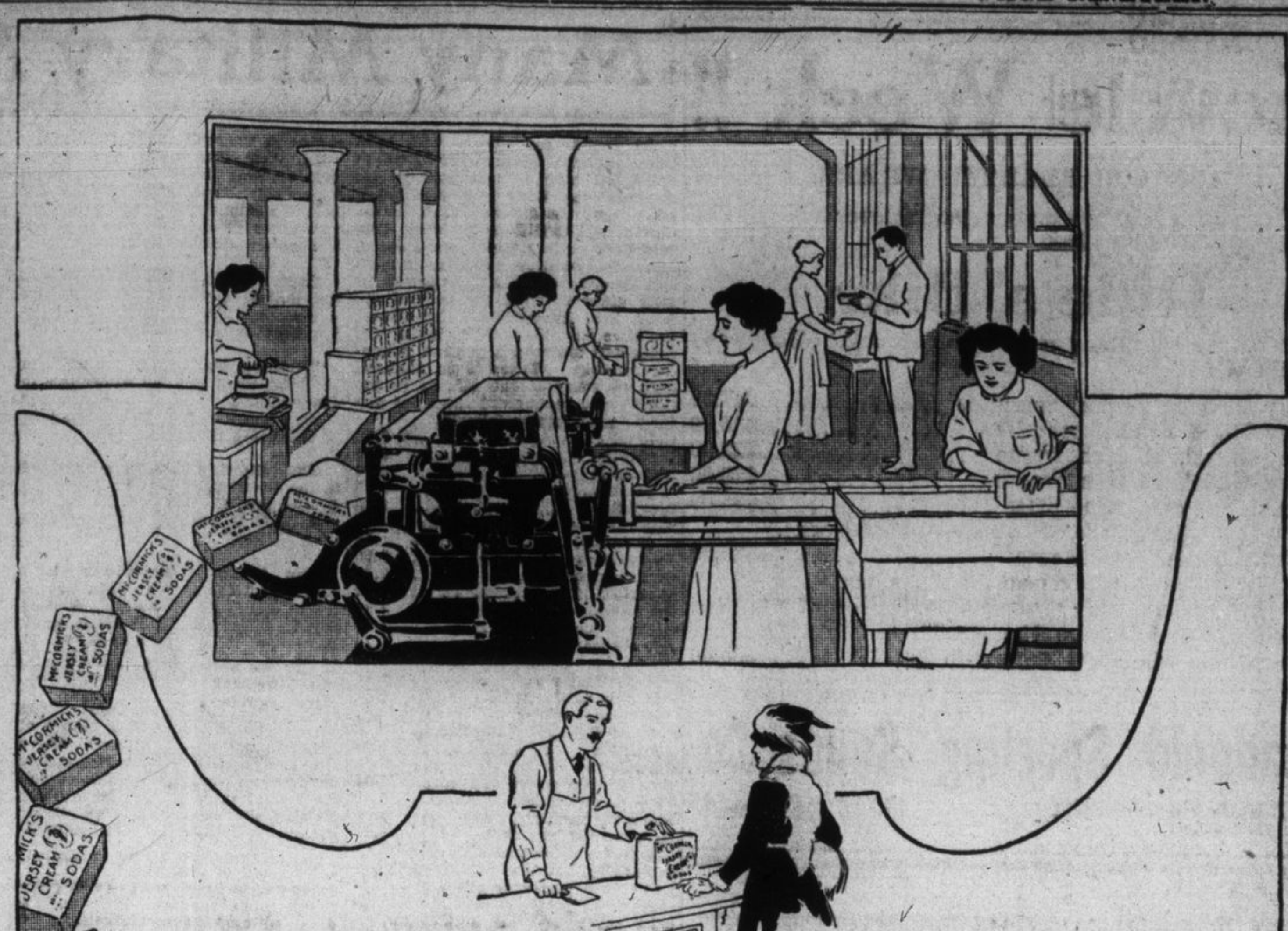
E. H. Sothern will mark his stage farewell as an actor in an unusual way. He proposes to give two weeks' performance of his famous romantic drama, "If I Were a King," for the benefit of the Actors' Fund of America.

Mr. Sothern will appear in New York city with his own company, and he will devote the entire profits of these two weeks to the Actors' Fund of America.

The engagement in New York will be played under the direction of his former manager, Daniel Frohman.

under whose management, Mr. Sothern began his stellar career in 1887, and the reassociation of these two will form a pleasant incident in the actors' farewell to the stage.

How About Old Clothes? A man once was talking about hard luck, and his friend was listening with a sour expression.



When buying biscuits remember this:

You can pay 5c or 10c and get soda biscuits; or you can pay the same price and get McCormick's. There is no difference in the price, but there is apt to be a big difference in the quality. Quality is determined by two things principally: by the nature of the ingredients used and by the conditions under which an article is made.

is used save what the housewife herself would select—No. 1 flour, pure shortening, sweet whole milk, pure sugar and June butter. Naturally, you get soda crackers you can always relish—more nourishing, sweeter flavored—yet the price is no more. Then why not have them? Instead, therefore, of saying "sodas" next time to your grocer, say "McCormick's" and learn how good a "mere" soda biscuit can be.

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Where are the Fairies Going?

The Fairies and the gentle snows From France have crossed the ocean; And so they took the notion To leave fair France's sunny bowers And set their feet on Canada's shores. Now, in this Canada of ours, They'll charm our hearts to gladness. And so they came, on hobbles down, While you were on your pillows. One moonlight night, they'd quickly flown Across the ocean follows.

\$200.00 IN CASH PRIZES

To Boys and Girls Who Can Tell Where the Fairies are Going Can you puzzle it out boys and girls? The Fairies, each riding a Fairy Bubble, are going to Canadian towns to live. They can't tell you to which town each will go, but in each bubble is a puzzle picture that will tell you the name if you're clever enough to puzzle it out. Just to give you a start, we'll tell you that Fairy No. 1 is going to Winnipeg. If you will study picture No. 1, you will see that it easily represents Winnipeg. Now see if you can guess where the others are bound for. Bubble Picture No. 2 follows:

Table with 4 columns: 1st Prize, 2nd Prize, 3rd Prize, 4th Prize. Values range from \$50.00 to \$2.00.

AND 47 CASH PRIZES OF \$1.00 EACH—TOTAL CASH PRIZES OF \$200.00

You'll get a free sample package of delicious "Fairy Berries" as soon as you send your answers to the puzzle pictures.

Free to All Boys and Girls. This contest is absolutely free to all boys and girls. No purchase necessary. The contest closes at 11:00 a.m. on July 31st, and the prizes will be awarded immediately afterwards by a committee of three judges, having no connection with this company. Send your answers to the puzzle pictures in your own hand writing and be sure to include in addition to the correspondence of your answers, as well as address The "Fairy Berry" Puzzle.

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Advertisement for Eddy's Matches. Text: "LITTLE THINGS THAT COUNT. Even in a match you should consider the 'Little Things.' The wood, the composition, the strikeability, the flame. Eddy's Matches. Are made of strong, dry pine stems, with a secret perfected composition that guarantees 'every match a lighter.' Sixty-five years of knowing how—that's the reason. All Eddy products are dependable—always."

Advertisement for R. J. Reid, Leading Undertaker. Text: "EASY CHAIRS, CHESTERFIELDS & DAVENPORTS. Large Line Just Arrived. Easy Chairs \$5.50 to \$65. Chesterfields \$40.00 to \$125. Davenport \$21, \$25, \$45. BOOKCASES, LIBRARY TABLES TO MATCH. R. J. REID, Leading Undertaker. Phone 577."

Advertisement for Men's Water-Proof Boots at Reduced Prices. Text: "Men's Water-Proof Boots at Reduced Prices. McPherson's Storm Calf, double sole, tan and black; regular \$6.00; for \$3.95. Dictor Anti-Septic Shoe, box calf and tan calf; double sole; regular \$5.00; for \$3.50. H. Jennings, King Street."