

Store New Stock Styles Last But Not Least NEW PRICES

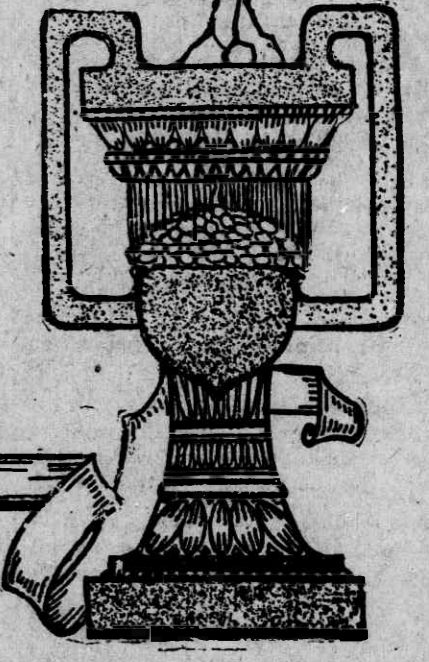
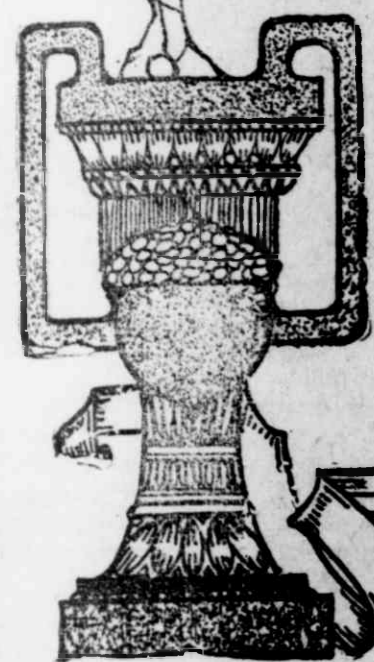
CHARLOTTE'S GREAT UNDERSELLING STORE. The Freed Co. 31-33 W. TRADE ST. THE LARGEST CLOAK & SUIT HOUSE IN CAROLINA

Store New Stock Styles Last But Not Least NEW PRICES

WE OPEN

Saturday Morning

Look For Details in Tomorrow's Papers



Scientific Miscellany.

Aviation Sickness—Durable Cast Iron. Little Sparks of an Electric Spark—Giants of Two Generations—Teeth Conservation—Electric Prevention of Hail—Iodine GGer Killing—Platinum and Fire Damp—Clouds on the Moon.

The curious discovery of Dr. P. Bonnier, a French physician, offers aviators a means of regulating arterial pressure, or causing a quicker adjustment of the circulation to the sudden variations of external pressure in flying high and descending. The medulla oblongata, or white nerve matter at the top of the spinal cord, is known to govern the involuntary action of heart and lungs, and it is found that nerve centers in this mass have the function of producing an equilibrium between the interior pressure of the blood and the exterior pressure of the atmosphere. When this function is exercised sluggishly, moreover, activity is aroused by a slight nasal catarrh at a point connected with the special centers. The operation relieves the arterial tension at once, and the stimulation seems to be permanent. It has continued four months at any rate, in one young aviator, who now has only a slight discomfort in his nose instead of the former severe oppressive sensations and dizziness.

Though cast iron is not now chosen for the working parts of machines, it has been known to show great durability when so used. In an instance lately brought to notice, a cast iron crank shaft of an engine built in 1850 had, in 1910, made 187,000,000 revolutions, and the stress on the neck at the beginning of each stroke had ranged from 2950 to 3650 pounds per square inch. In another instance, a cast iron piston, put to use before 1838, has continued in service without fracture. It has withstood at least 750 million applications of a stress of 1500 to 1700 pounds per square inch.

An oscillatory electric spark has been found by C. Caudrelier to be made up of about 10,000 individual sparks per second. An air current separated the sparks 1-2 inch, and this and the velocity of the air gave a means of estimating the number.

Two crates of engineering developments are brought into striking contrast by the simultaneous passing of the famous engine of 1876 and the installation of the greatest power generator of 1911. The Corliss duplex vertical engine, used for the Centennial Exhibition, stood upon a platform 66 feet in diameter, was 35 feet high, was rated at 1,400 horse-power, and weighed about 800 tons, the 36 foot fly-wheel having a weight of 54 tons. This marvel of its time, after serving the Pullman Co. of Chicago, more than 30 years, has been lately sold for junk. The new turbo-generator of the New York Edison Co.—the first of three of the same size—is rated at 20,000 kilowatts, or nearly 27,000 horse-power, has a case of 17-1/2 by 17 feet, is 35-1/2 feet high above the base, and weighs approximately 420 tons, the weight of the heaviest piece being 110 tons and that of the moving parts 112 tons. The area occupied is 259 square feet, the power supplied being about 18 times that of the reciprocating engine using a like space. At full capacity, about 7,200,000 pounds of steam per day will be used, and 400 tons of coal will be required.

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School dentistry appears to have reached its highest development in Sweden, where the teeth of all pupils are under constant supervision. The dental surgeries, of which there are about 30, are open each day, and at these special institutions the school children are served for small fees—the plan of moderate charges having been found more satisfactory than free services. In Germany, with twelve times as many inhabitants, the complete dental surgeries for children are said to number about 100.

The idea that hallstoms can be prevented or controlled still persists in France and Italy, in spite of the failures of the past. Experiments with electrified masts 100 feet high have been made by M. de Beauchamp, and he seems to have satisfied himself that an area of two miles in all directions was effectively protected from hail. He is convinced that trials on the much taller Eiffel Tower will give security to plant growers over a much larger territory in Paris and its environs.

In a new method of treating tuberculosis, Bernheim and Dieupart use injections of peptonized iodine, with a little menthol and a very minute quantity of radium-barium chloride. Iodine, menthol and radium all have marked action on the bacillus discovered by Koch, and the injections had a powerful preventive effect on animals that were inoculated. In 75 cases of tuberculosis in human patients, injections into the muscles were applied in a regular series of a considerable number. The injections gave no serious discomfort, even to children, and the effects seem to have been quite uniformly favorable, the patients increasing in weight, improving in appetite, and coughing less frequently, with less sputum. The action appeared to begin with associated organisms, after which the tubercle bacillus degenerated, diminished, and finally disappeared.

An instrument of such accuracy as to have been pronounced of precision is the claim made for the fire-damp detector of Mr. Alph of Newcastle-on-Tyne. It is based on the peculiar increase of electrical resistance of platinum in contact with fire-damp, and is used as an attachment of an electric accumulator lamp. The apparatus is said to register accurately so slight an amount as one-fourth of one per cent. As less than four per cent of fire-damp in the air is not dangerous, a wide margin of safety is allowed, and the sensitiveness of the test has caused much surprise.

Curious temporary disappearances of crater Taquet, one of the smaller ring-mountains of the moon, have called renewed attention to supposed lunar changes. A French authority states that about a week after new moon this crater is replaced by a white

patch, and that in a few days gives place again to a ring. It is suggested that vapor forms in the lunar day and condenses at night. For a long time Linnaeus has been seen sometimes as white spot and sometimes crater. About 1843, Schmidt found it to be a crater 70 miles long, and 1000 feet deep, but in 1866 he looked for it in vain, and saw only a white patch.

NEW EGYPTIAN COTTON CROP.

(From Vice Consul Francis L. Romeo, Alexandria, Oct. 13.) The Alexandria General Produce Association, in its report on the condition of the coming cotton crop during September, states that in Lower Egypt the temperature was somewhat variable, but there was an improvement toward the end of the month. Some fogs have been reported; bollworms also made their appearance in some districts. These caused some slight damage, but it is as yet impossible to estimate to what extent. The first pickings have begun in some districts, but will only be general during the first fortnight of October, which is some 15 to 20 days late. Although it is impossible as yet to estimate closely, it is hoped that the result of the second picking will be satisfactory, which is promising if the temperature continues as at present for some weeks more. The third picking, owing to its lateness it is impossible to estimate. On account of the small quantity of cotton picked to date it is not possible to give any reliable report on the ginning yield.

The temperature in Upper Egypt and Fayoum has not been favorable. Cool nights and heavy dews are reported. The bollworm has appeared in some districts. The first picking, which is now general, is giving good results, but will be somewhat less than that of last year. The ginning yield is somewhat superior to that of last year. The result of the second pickings promises to be satisfactory should the present temperature continue.

SOUTHERN UNDERWRITERS ASSOCIATION MEETS.

By Associated Press. Atlanta, Nov. 16.—The Southern Underwriters' Association opened its semi-annual meeting in this city yesterday with sixty companies representing the 80 companies composing the organization. The morning session was taken up for the most part with the reading of the report of President W. R. Prescott, of Atlanta, and the filing of the reports of standing committees.

The meeting largely will consist of routine business and is expected to be concluded tonight.

Freshman Injured. By Associated Press. Ithaca, N. Y., Nov. 15.—D. C. Dawkins, of Tallahassee, Fla., a freshman at Cornell, is in the college infirmary today with internal injuries and concussion of the brain, the result of a fall on an icy sidewalk on the campus. He will recover.

The man who breaks himself of a bad habit is never so successful in breaking himself of boasting about it.

Late News From State Capital

Special to The News.

Raleigh, Nov. 16.—It is learned that Mr. Tufts, of Southern Pines, who is undertaking to assure the early completion of the North Carolina section of Central highway south of Raleigh to the South Carolina line toward Atlanta, has been unable to induce Lee and Chatham counties to take up the work of making the roads through these counties. So he has changed the road so as to traverse Hoke county which has readily agreed to expend as much as \$300 per mile in buildings a link of the route through that county. It is expected that ere long Lee and Chatham will realize their mistake and build the link that was desired of them and then there will be two routes in that section that can be used optionally by the tourists.

The free dispensary treatment of hookworm has just been established in Harnett county by Secretary John A. Ferrall, of the hookworm commission. He is also pushing this work in Brunswick, Pitt and Hertford counties and has completed this line of treatment in ten other counties. Also there are fourteen other counties that have made the required appropriations for this work and will be "invaded" just as soon as they can be reached. A fine spirit of co-operation has developed in every section of the state.

Chairman Franklin McNeill, of the corporation commission, just back from Washington and the hearing before the new commerce court in the Norfolk & Western freight case, says there is every indication of a speedy ruling that will end this litigation. And also that the indications are that the reduced freight rates involved from Winston-Salem and Durham to Cincinnati and the West will be sustained. It is a notable fact that these rates having been on since last June the showing before the commerce court was that the Norfolk & Western freight business to Winston-Salem and Durham has increased from 44,000,000 pounds to 65,000,000 pounds for the year. And this is being used as a plea that the lower rates are attracting business from the Southern and Seaboard Air Line, the railroads making this plea for the restoration of the former higher rates.

At noon today the North Carolina Society Sons of the Revolution held a public meeting for the presentation to the state of a splendid portrait of Revolutionary Governor Benjamin Smith, of this state, the ceremony being in the hall of the house

Children Cry FOR FLETCHER'S CASTORIA Children Cry FOR FLETCHER'S CASTORIA Children Cry FOR FLETCHER'S CASTORIA

of representatives. The presentation address was by Prof. Collier Cobb, of the University of North Carolina, who is a member of the society and the acceptance on the part of the state by Governor W. W. Kitchin. Prof. Cobb reviewed the personality and career of Governor Smith and Governor Kitchin paid high tribute to the patriotic public spirit of the Society Sons of the Revolution in their annual practice of presenting to the state, the painting of some one of the early governors of North Carolina. Secretary of State J. Bryan Grimes, who is vice-president of the society, presided on account of the illness of Col. Thomas S. Kenan, who is the president of the society. Rev. Robert Brent Drane, of Edenton, chaplain of the society, offered the invocation and the benediction for the inspiring ceremonies.

The Raleigh chamber of commerce, H. E. Litchford, president, determinedly launched last night a movement to carry through an undertaking to take over the old academy of music property here and remodel the present building for commercial purposes and provide a splendid first floor academy of music in the rear that will seat 1,200 people and be thoroughly modern and complete in its appointments and equipment. The plans have been carefully worked out and an eight per cent investment is assured to stockholders in the new enterprise, in which citizens of Raleigh are expected to take \$50,000 stock, another \$50,000 to be secured through a bond issue. President Litchford secured ten volunteer fellow-committees pledged to make the undertaking go. So that Raleigh is assured a splendid theatre and most creditable building in the place of their present property that is declared an eye sore and really a disgrace to the city and out of all harmony with the general enterprise and thrift of the city.

BASEBALL FANS MUST SEE DEC. BASEBALL MAGAZINE.

Baseball fans will be interested in the December Baseball Magazine, just out, which contains an excellent detailed report of the world series games. Besides the wonderful world series pictures, in this issue, there is a great deal of space devoted to eastern and western football, and an article on Coach Haughton of Harvard. This popular sporting magazine is now running a great deal of good fiction, together with articles on boxing, wrestling and winter sports in general. The Baseball Magazine's All-America Baseball Nine will furnish food for the fans.

Walked Two Thousand Miles. Kansas City, Mo., Nov. 16.—Geo. Pinto, 22 years old, a former teacher in an institute for the deaf and blind in Boston, has arrived in Kansas City after a two thousand mile journey on foot.

Impaired both in hearing and in eyesight and advised by physicians that his only hope of health lay in the open air, Pinto made the trip to Kansas City. He left Boston in January.

We have two ears and only one tongue, but the one tongue can generally repeat more than the two ears can possibly hear.

Mr. R. G. Merritt Dies in California

Mrs. W. T. Wilkinson received a telegram yesterday announcing the death yesterday morning at Bakersfield, Cal., of her only brother, Mr. R. G. Merritt. Pneumonia was the cause of death. A short while ago he moved from Bakersfield back to his former home in Mississippi, but soon returned to Bakersfield, where he contracted pneumonia and died after a short illness.

Mr. Merritt was about 55 years old and leaves a wife and two children. The funeral was to be held today in the California home.

URGE KEEPING SOUTHERN INSURANCE AT HOME.

Atlanta, Nov. 16.—State insurance commissioners throughout the south, notable Commissioner F. H. McMaster of South Carolina, and Commissioner F. N. Julian, of Alabama, are quoted by local leaders in the insurance field as strongly urging, in their official capacity, that southern insurance money be kept at home.

The growth and solidity of southern companies, says Mr. McMaster, make it no longer a necessity even for conservative southerners to take out their policies with the northern companies and by keeping the money at home, the south is made more independent of northern bankers, particularly at times during the movement of cotton, when it has been often necessary to borrow hundreds of thousands from the north.

The time has passed when southerners hesitated to put their money in southern companies. Taking Georgia as an example, the state records show that the state can boast one of the strongest legal reserve companies in the country, the State Mutual Life Insurance Co., of which C. R. Forter is president. It has assets of nearly three and a half million dollars, and was the first legal reserve company ever organized in Georgia. According to records on file with the insurance department at the capitol the State Mutual has made a better showing than any other company in its class, both in dividends paid to policyholders and in growth of assets.

Can't Sleep Nights

Your Stomach is Out of Condition—That's All. Many a disordered stomach has been put in splendid shape, with a few days treatment of MI-ONA stomach tablets.

You probably know that stomach trouble causes biliousness, dizziness, nervousness, sick headache, bad dreams, foul breath, despondency, weak eyes, red nose, sallow skin and loss of memory. If you have any of these troubles the chances are that MI-ONA stomach tablets will put you all to the good in a few days. They relieve after dinner distress in five minutes. Be sure and try them and if they don't do you as much good as you thought they would, get your money back. Large box 50 cents at R. H. Jordan & Co.'s and druggists everywhere.

AMUSEMENTS

Friday Night 8:30—"Alias Jimmy Valentine." EVERYBODY'S FRIEND.

Particularly Do the Ladies Love "Alias Jimmy Valentine, Because He Makes Them Weep." "Alias Jimmy Valentine" is everybody's friend. The men like him because he is a strong, manly chap, with a grip that suggests steel, and an ability to crack a safe as handily as ever did any of the real burglars. The ladies like him because he makes love so beautifully and they can cry copiously when he saves a child's life at the risk of his own freedom. And the children like him because he is the sort of a man children like, and so "Alias Jimmy Valentine" is popular with the town. "Alias Jimmy Valentine" will be seen at the Academy of Music tomorrow night. Seats are now selling at Hawley's.

"Beverly of Graustark." The attraction at the Academy of Music next Tuesday, matinee and night is A. G. Delamater and William Norrie's original stupendous Studenbaker Theatre, Chicago production of George Barr McCutcheon's "Beverly" a superb dramatization of Mr. McCutcheon's most entertaining and popular novel, "Beverly of Graustark," as dramatized by the scholarly Robert M. Baker, of Boston. The play is presented with a large and expensive cast of well-known Broadway artists headed by Eleanor Woodruff formerly leading lady with Cyril Scott in "The Prince Chap" and Nat Goodwin, and is mounted with an unusually handsome scenic production.

—Today about noon the fire bell sounded 83, the number of the fire box on the corner of East and South Boulevard. The Dilworth company but the fire out before the company could get there. It was merely a scare.

IT STARTLED THE WORLD.

when the astounding claims were first made for Bucklen's Arnica Salve, but 40 years of wonderful cures have proved them true, and everywhere it is now known as the best salve on earth for Burns, Sores, Scalds, Sores, Cuts, Bruises, Spains, Swellings, Eczema, Chapped hands, Fever Sores and Piles. Only 25c. at W. L. Hand & Co.'s.

ACADEMY

Friday Night, Nov. 17. The first local production of the one great New York hit, "ALIAS JIMMY VALENTINE" By Paul Armstrong. (Lieber & Co. Managers.) Founded on "A Retrieved Reformation," short story by the late O. Henry. Splendid cast, Staged by Hugh Ford. Two years at Wallack's theatre, New York. Seats on sale today at Hawley's. Prices \$1.50, \$1.00, 75c, 50c, 25c