Miscellaneous Reading.

"MECHANICAL MOLE."

Invention of Texas Man May be Used to Dig Channel Tunnel. Should England and France agree upon construction of the proposed tunnel beneath the English channel to

ment, will figure in the work. issue, said Mr. Bonar Law proposed convinced, have to wait a long time. to approach the French government with a view of beginning immediately construction of the channel tunnel to provide work for discharged soldiers. The tunnel will be about thirty-two

miles long, including approaches. When America entered the war in 1917. Mr. Dana, who is of an inventive turn of mind, conceived a machine the use of which would enable the Allies daylight saving, and the unification of quickly to construct and connect an underground system of tunnels or trenches, and which could also be used in "sapping" under the German trenches in order to blow them up with high explosives. He communicated details of his machine to Newton D. Baker, secretary of war, who acknowledged its practicability. Owing to governmental "red tape" no arrangements for utilization of the machine as a war instrument were concluded.

With the announcement by England of her determination to connect the island with the continent of Europe, Mr. Dana conceived the idea of communicating with Sir Authur Fell, memchairman of the committee in charge United States office.

Sir Authur Fell responded with interest, and asked for further details of of cost of the tunnel. They were preboring through a strata of chalk.

and one-half feet diameter be bored month of each quarter will begin alfrom England to France to ascertain ways on Monday, the second month on the nature of subterranean strata under Friday. Four quarters of 91 days each the channel, and also for later use in make 364 days. The additional day transporting materials and men when required to complete the number of constructing the main tunnel. It is 365 he would insert between June and proposed two of the latter be built, one July with the designation of "Peace for traffic from England, the other Day." "Leap Day" (in leap years) for traffic from the continent, each would occur at the end of December. to be about twenty feet in diameter. Both of these days would be undated, Mr. Dana estimated the pilot tunnel, and stand entirely outside and without with power facilities established on name in the week. He claims the adboth the English and French coasts, could be driven and completed within every year would be like every 100 days, while the English estimate other year, and consequently there at least one year will be required in would be no need of changing

The problem of conveying dirt and rock removed from the tunnel to the surface for disposal, which has long the rupture of the continuity of the projects, is also provided for in Mr. placed 160 feet apart. The belt is designed to run on concave pulleys, and would be so placed with relation to the boring machine as to automatically pick up and remove the debris as the machine advanced. Mr. Dana estimates the total cost of constructing the pilot tunnel would be approximately \$4,809,000, depending largely upon the prices of labor and materials. This cost includes a concrete reinforced lining of one-foot thickness. He estimates a cost of \$36,542,000 for the

Mr. Dana also includes in his plans a drainage tunnel to-be somewhat lower than the main tunnels, into which all seepage or other moisture would flow. The plans proposed by the English engineers also include the drainage tunnel, but indicate that the latter would be an adaptation of the pilot tunnel.

Mr. Dana has offered to go to England and set his plans before the English engineers, provided his expenses are paid. The practicability of his machine has been repeatedly attested by engineers, two of whom, representing machinery houses, have offered to purchase the patent and provide royalties. Former City Engineer E. F. Sands said if he had had a mapatterned after Mr. Dana's model when the city was boring the several large drainage tubes now in use, one on Austin street, \$100,000 could have been saved in the work. One engineer came to Chicago to go over the specifications and offered to negotiate a purchase of the patent .-Houston Post.

THE TREND OF PRICES.

Otto Kahn Says There Is No Probabil · ity of a Slump.

The department of labor has made public a letter received by Secretary of Labor Wilson from Otto H. Kahn of New York, in which the banker expresses the belief that prices will not be materially lowered for a considerable period of years, if at all, and that for all practical purposes at least the war has brought a new level of prices, the existence of which must be recognized. Mr. Kahn's letter follows:

"Prices are determined in the main by the volume of production, of consumption, and (probably more than by either of these,) of the circulating medium, i. e., currency, bank credits, &c.

"1. Production. After the Civil war, the return of prices to the pre-war level, though it took thirteen years, to accomplish, was immensely, aided by the development of entirely novel methods of production in the shape of new forms of machinery and new kinds It is the occasion of the mountain of business organizations. No one will seriously contend that the possibilities of the immediate future for increased efficiency of novel methods in production and distribution are likely even to approach those which came between 1865 and 1890-a period which marked the transformation of our entire business structure from hand methods to machine methods from 'pound methods' to 'tonnage methods.

"2. Consumption. In view of the vast destruction wrought by the war and now to be made good by reconstruction, and in view of the accumulation of the demand for many things which could not be supplied during the war, demand in many fundamental and extensive plowing tests and its lines is bound to be large and urgent performance will be minutely record-

"3. Circulating medium. The credit 000,000 worth of tractors, plows, cultipansion and currency inflation of vices of events, and farm power de-

the leading countries of the world, including our own, during the past five years has been on an entirely unprecedented scale. The process of contraction and deflation, to the extent that it is possible and likely to be approved by public opinion, will take tries; in fact, we live in an age of ma-

many years. we have arrived at a new price level. machinery upon principle. The huconnect Dover with Calais and other This level in the early future my go continental cities, it is possible that somewhat lower, or it may go some-"Dana's Mechanical Mole," the inven- what higher than at present prevailtion of Frank L. Dana, chief clerk of ing, but it seems to me certain that new. the Houston street and bridge depart- there cannot be any immediate and radical recession. Those who hope for or The London Daily Mail, in a recent fear materially lower prices will, I am

CALENDAR REFORMS.

Room for Better Division of the Weeks

and Months. During the past few years many innovations, proposed long ago, have been accepted. For examples related more or less with astronomy, we have the astronomical and civil days which is being put into effect. Considering that the present time affords a good opportunity to get out of ruts, the advocates of calender reform have come to the fore, particularly in France. Previous efforts to reform the civil

calendar led the International Association of Academies, at its meeting in Petrograd during 1913, to pass a resolution relating to the unification and simplification of the calendar, but the outbreak of the war prevented further action. The discussion is now revived by two plans published recently in the Comptes Rendus, the official organ of the French Academy of Sciences. One ber of the house of commons, and of these is presented by Guillaume Bigourdan, who received, during the of preliminary arrangements for the past year, the gold medal of the Brittunnel. He described his machine and ish Royal Astronomical society in resubmitted tentative outlines of how the cognition of his observations of nebuwork could be accomplished by use of lae. The other plan, which is the more his mechanical mole," application for a radical, is urged by H. Deslandres, and patent for which is now pending in the is essentially the same which won, in 1887, a prize of 5,000 francs.

The Proposed Division. One of the difficulties with the pres Mr. Dana's machine, and for estimates ent calendar carrespondence between remembered correspondence between pared and sent to Sir Arthur, and Mr. the days of the week and the day of the Dana now awaits reply from England month. The proposition is to divide announcing whether or not his machine the year into four quarters, each of will be used in making the underground which shall consist of 13 weeks divided into two months of 30 days each The proposal of Mr. Dana was that a and one month of 31 days. According prospect of pilot tunnel of about seven to the plan of Mr. Deslandres, the first

vantage for this arrangement that our calendars from year to year. Mr. Bigourdan's Plan.

Mr. Bigourdan does not approve of proved a stumbling block in similar week involved in the above scheme, and as an alternative proposes that Dana's calculation of the plan. He each quarter consist of a first month would construct a series of endless of 31 days followed by two months belts, operated by electric motors of 30 days each, except that the last month of the last quarter of the year shall have 31 days. Thus, he would make up 365 days. For leap year he would add the extra day to the last month of the third quarter. According to this plan, each quarter, for at least the first nine months of the year, would have the same days of the week on the same days of the corresponding months. Therefore, the order of the days in the several qua ters, with the exception of the last quarter of a leap year, would be duplicated, and this would be accomplished without breaking the continuity of the week. So much reference to the calendar is made simply to find on what day a given date will fall, it would seem worth while, if some feasible plan could be found of obviating the difficulty. It is suggested by Mr. Deslandres that for a definite solution the

matter should be taken in hand by

the newly-constituted league of na-

Admiral Kolchak.-News came slowy out of Russia, but what there is of seems to show that the thought of he world will be that of Admiral Alexander Vassilievitch Kolchak, head of the Omsk government. Admiral Kolchak after the abdication of the Tzar, supported the provisional government of Prince Lvoff, and was nearly lost when that government was overthrown by the revolution. Kolchak was then at Sebastopol, where the sailors of the Russian fleet mutinied in response to the eloquence and promises of Kerensky, and the admiral was arrested on his own flagship. Refusing to surrender his sword, he threw it into the sea, and indignantly withdrew to his cabin. A guard was posted outside the door, and the fate posted outside the door, and the late of the imprisoned officer became a serious question. The sailor soviet hesitated, but was finally persuaded by the Bolshevist leaders that Kolchak should be executed. The decision was reversed by the personal appeal of Rear Admiral J. H. Glennon of the United States navy, who was in Russia as one of the members of the Elihu Root embassy, and arrived at Elihu Root embassy, and arrived at Sebastopol just in time to prevent the execution. Kolchak was permitted to eturn with the American officer to Petrograd, and shortly afterward beame the head of the anti-Bolshevist movement when another provisional

- Commencing today and continuing through next Thursday, Denver, Col., expects to entertain 100,000 guests, mostly farmers, in a tent city erected for the purpose and covering 50 acres. states tractor demonstration. A tract of 2,500 acres of raw prairie land adjoining the suburbs of Denver, will furnish plowing expanse and exhibition grounds for 150 tractors and the latest notions in power farm machinery. The demonstration is authorized by the National Tractor Manufacturers' Association of America, and will be held under the auspices of the Civic and Commercial association and the Denver Tractor club. It is expected to show what has been accomplished by the farm machinery men since the war began, as well as the possibilities of greater cultivation in the west. Each

tractor entered will be assigned severe

ed. It is stated that there will be \$3,-

THE BRAINS VS. THE HANDS Widespread Manifestation We Are

Living in an Age of Machinery The great war has emphasized the value of machinery in all the induschinery. Yet less than 100 years ago "The conclusion is inevitable that men were opposing the introduction of and adaptable machine. But compare

> A hand brickmaker, assisted by four or five helpers, can mold about 500 powerful cuts almost as rapidly as a weight of wool into 168,000 yards, or bricks an hour. By hard and continu- sewing machine thrusts its needle up 95½ miles of yarn. These results are ous work through a season of twenty and down-that is, at the rate of 1,000 very exceptional. Ordinary spinners weeks this man would pile up to his or more strokes a minute. All manner credit 500,000 bricks. This record is, of nice adjustments can be made to yards a pound. ing machine, which, even fifty years chine. The result has been a great capacity of modern spinning machines. ago, could press 1,500 bricks an hour. cheapening of the ordinary kinds of A medium count of cotton yarn con-

manual worker toilfully and patiently ier handmade ones. cuts each line of the file with hammer

hours an industrious file-cutter de- thumb as a shoemaker sometimes and each is spinning and winding five and neatly dressed that the unexpect- toward imparting that comfortable, livered 46,000 blows, the majority of twists twine. them with a hammer weighing seven man hand is still the most wonderful and a half pounds, so that his total ef- gle spun a pound of wool into 84,000 sufficient to attend to the machine. fort for the day was equivalent to yards of thread, or nearly 48 miles. he results of the old labor and the moving 142 tons the distance of one But this performance was far excellhammer's stroke.

The file-cutting machine delivers its however, easily beaten by a brick-mak- suit the character of the file in the ma-

BOYS FROM THE PRAIRIES ARRIVE AT NEW YORK

right a little gray-haired mother who went all the way from Lincoln, Neb., to welcome her son.

Spinning by hand is now scarcely A certain Norfolk lady named Prin-

ed by that of Miss Ives of Spalding. who spun, we are told, the same produced only from 13,000 to 40,000

The latter results are well within the

The best files are still made by files. One of the very earliest success- tains, let us say, forty hanks to the man feels when she knows she looks smart clothes, but all can see to it that hand, but a great many machine-made ful machines reduced the cost of a file pound, a hank being 840 yards. This well is not vanity—it is good sense. their clothes are in good repair, well files are passed off as hand made. The to about one-eighth of that of the earl- gives us 33,600 yards to the pound.

known. The Australian aborigines forts and its speed. Twelve hundred Figures show that in ten working twist thread with the fingers and spindles or more are at work at once, the housewife who is so attractively wear and handkerchiefs, will go far ute, while a man and two boys will be her, the business woman who is sarto-mental tonic.—New York Sun

to the work. The first of these was a pleasure at hand. It is probably true complained Albert shapes at one operation. These blanks gives more thought to clothes than the folder using a sort of bone knife. A men may not have rich or even very to come out yet."—Chicago Tribune. skillful workman could turn out about 3,000 envelopes a day. In a comparatively short time, how-

lever, a machine was perfected which not only folded and gummed the envelopes but embossed, pressed, counted, and stacked them, and its output was about 3,000 an hour.

At every turn we see the hands and the brain pitted against each other, and the brain is ever taking work from the hands, to the advantage of th world .-Baltimore Sun.

Philosophy of Neat Dressing.-A very famous American actress once said that no woman of real brains ever cared for dress. She explained that she cared for clothes only because they were an indispensable part of her profession. Dress was really part of her acting and, therefore, she felt justified in putting a deal of thought into the

Well, now, really isn't dress an important part of every woman's calling, whatever it is? Doesn't the housewife do better as a housewife if she takes time to consider the problem of getting becoming and attractive house dresses? No need to say that the girl who works in a store or office not infrequently gets the better position rather than the ordinary position because she is dressed neatly and attractively. With the woman who works usually it is a splendid investment the money spent in appearing well The steamship Imperator docking at New York with happy troops from Nebraska, Kansas and Missouri. At the left is Lieut, Col. Levi G. Brown of the Three Hundred and Thirty-fifth infantry, from Nebraska; and at the

The pleasure and satisfaction a wo

Few women have sufficient poise to brushed and pressed, and carefully But the great gain of the modern speak and act their serenest and best donned. Immaculate grooming with machine results from its multiplied ef- when they know they are untidy or attention to teeth, nails, hair and skin, shabby or unbecomingly garbed. But as well as gloves, shoes, clean neckor six feet of thread four times a min- ed caller has no embarrassment for "dressed-up" feeling that is such a

rially ready for any emergency, is able Envelopes were at first made by to forget her appearance and give her hand, but machinery was soon adapted entire attention to the business or cutter, which cut a pile of blank that the consciously shabby woman

They Played Hard .- "Mother, I'm so lonesome. I've no one to play with,

"Well, go and play with Dickey." "Oh, I played with him this morn were folded and gummed by hand, the consciously well dressed one. All wo- ing an' I don't believe he's well enough



Luzianne is a clean coffee. It is not touched by hand from the time it is first received in New Orleans until you serve it on your table. EVERY POUND SOLD IN AN

The Reily-Taylor Company
New Orleans

CIENSON COLLEGE

Agriculture, Chemistry, Engineering, Textiles, and Military Training

NEXT SESSION OPENS SEPTEMBER 10, 1919

Location and Environment

Clemson is located on the homestead of John C. Calhoun, and later of his son-in-law. Thomas G. Clemson. The College is in the Piedmont section of the State in Oconee and Pickens Counties at the foot of the Blue Ridge mountains. The climate is healthy and invigorating. The students are under military government, and every effort is made to train up young men who will reflect credit upon the College and the State. Temptations to dissipate or spend money foolishly are reduced to a min-

Religious Influences

Four churches are located in the community. The College contributes to the salary of the four ministers who do pastoral work among the students, as well as conduct divine services. Five Sunday Schools are largely attended by the students.

building is used as a religious and so- mation gathered by the State Board. cial center by the students and the fac- Appeal from the decision of the Trusulty. The Y. M. C. A. conducts Sunday tees may be made to the State Board night services and Bible Study classes, of Education. This organization seeks to maintain about the students a high moral at

Requirements For Admission

An honorable discharge from the last school or college attended is re-

Twelve high school units required for admission to the Freshman Class on certificate, without examination Scholastic requirements are given in detail in the college catalog.

No student will be admitted who i not at least sixteen years old at the time of entrance. student will be accepted

whether for re-admission or first en trance, unless he has filed the pledge of prescribed form not to haze.

Hazing is forbidden by the laws of

Scholarships

The College maintains 169 four-year scholarships in the Agricultural and Textile courses, and 51 in the One Year Agricultural course.

Each scholarship is worth \$100.00 per session and free tuition.

Vacancies in four-year scholarships in 41 counties to be filled this summer. Vacancies in the One-year Agricultural Course Scholarships in every county.

An excellent opportunity to secure a college training at a minimum of cost

Write now for the necessary appliation blanks and full information in regard to the scholarship open in your

Free tuition (\$40.00 per session) is granted to students judged unable to

The State Board of Charities and Corrections is charged with investigating the financial standing of all applicants for four-year scholarships and free tuition, and reporting their findings to the Board of Trustees of the College. This Board passes upon the A large and modern Y. M. C. A. matter, accepting as correct the infor-

Scholarship and Entrance Examinations

Scholarship and entrance examina ions will be held by each County Superintendent of Education on July 11th, 1919, beginning at 9 A. M.

It will be worth your while to try for one of the scholarships in your county. A four-year scholarship means \$400.00 to help pay expenses and \$160.00 in tuition, divided equally over

Applicants seeking to enter by examination are advised to take the entrance examinations on July 11th, rather than wait until they come to the college this fall. Credit toward entrance will be given for all examinations passed at the County seat.

Copies of old examination questions will be furnished upon request.

COURSES OF STUDY

FOUR-YEAR DEGREE COURSES

AGRICULTURE

With an opportunity to specialize in either

> AGRONOMY ANIMAL INDUSTRY BOTANY CHEMISTRY DAIRYING ENTOMOLOGY HORTICULTURE

TEACHING OF AGRICULTURE VETERIN'ARY SCIENCE

CHEMISTRY CHEMICAL ENGINEERING

ELECTRICAL ENGINEERING MECHANICAL ENGINEERING CIVIL ENGINEERING TEXTILE INDUSTRY ARCHITECTURE GENERAL SCIENCE TEACHING OF TRADES AND INDUSTRIES

SHORT COURSES

(Regular Session.)

ONE-YEAR COURSE IN AGRICULTURE

October 1st to June 1st. Requirements: 18 years of age, 2 years farm experience, eight grades in school.

TWO-YEAR COURSE IN TEXTILES. Requirements: 18 years of age, one year of mill experience, eight grades in school.

For Catalogue, Application Blanks, Etc., Write at Once to

M. RIGGS, President, Clemson College, S. C.

Courses forgricultural Teachers (June 30th to July 26th)

Cotton Graders

(June 30th to July 19th) Corn Club Boys (July 7th to July 19th)

Also intensive one-week courses

Dairy Week June 30th to July 5th

Animal Husbandry Week July 7th to July 12th

Horticultural Week July 7th to July 12th

Poultry Week July 8th to July 11th

FARMERS' WEEK-JULY 21ST to JULY 26TH

This school will enable you to com bine the pleasure of a vacation with an opportunity for study. A dormitory will be reserved for married couples and single women.

Prominent Speakers-Access to Col lege Library-Moving Pictures-Swim ming Pool — Athletics — A Pleasant

Write for Booklet giving full infor

One-Year Agricultural Course

Is for young men who have neither the time nor the money to take the four-year course. It is open to young men 18 years old, and over, who have worked three or more years on the

It is designed to give the simple sci entific principles upon which good

The idea is to take a man who is al ready a farmer and make him a better

on Friday, July 11th.

Summer School Military Training

Clemson College is a member of the Senior Division of the Reserve Officers' Training Corps, All students are required to wear uniform and are under

military discipline at all times. All Freshmen, Sophomores and Short Course students are required to take the Basic Course of three hours military instruction each week. Juniors and Seniors may enter the advanced course if physically and otherwise qualified, and if admitted, are required to take additional military

instruction.

The War Department has established R. O. T. C. units in the Infantry, Coast Artillery and Signal Corps branches of the service. Only a limited number of students will be admitted to the Coast Artillery and Signal Corps Units. Modern equipment is supplied by the U. S. Government.

All students in the R. O. T. C. receive financial assistance from the U. S. Government. Juniors and Seniors at present are paid \$12.00 per month, which may be applied to the living expenses. All R. O. T. C. students are given an allowance on uniforms by the War Department. The amount has not been fixed for the coming session, but it is expected that it will be sufficient to cover at least half the cost of the service uniforms.

No obligation rests upon the graduate of the Advanced Course.

Membership in the Advanced Course amounts practically to a two-year scholarship furnished by the Federal Government. A student who holds a regular scholarship and takes the Advanced Course receives enough money to pay for all expenses except books.

Clemson Men in The Service

The Clemson Service Flag contains approximately 1,000 stars, 18 of which are gold as well as a number of blue

Relatives and friends of Clemson The course begins October 1st and men who entered the service are earnends June 1st. Fifty-one scholarships estly requested to send to the College are open to men in this course. Ex- the name, rank, division, regiment, or aminations for the award of these any other information that will aid in scholarships will be held by each the publishing of a complete list. County Superintendent of Education Clemson men are asked to do the