

BY CLINKSCALES & LANGSTON

ANDERSON, S. C., THURSDAY MORNING, SEPTEMBER 13, 1888.

COUNTRIES.

We made some sugar. But in all new

enterprises a great many unexpected ob-

TEACHERS'COLUMN J. G. CLINKSCALES, EDITOR.

THE HOPES AND INTERESTS OF BOYS. BY ARCHDEACON FARRAR.

EVERY BOY HAS HIS DAY. It has always struck me that the greatest lessons of life are the simplest, the most intelligible and the most universal. The whole of life might be reduced to the simple rule that two and two make four. That rule is every bit as applicable to life as to arithmetic. Half the errors and misfortunes of men arise from the misfour or that two and two make five. and as wide as you can in life. -Now it is just as certain as that two and two make four that neglect and idleness opportunity mean success. You some thought of taking in the hunting field, his God. times hear somebody say "I never had a and yet scarcely ever had a fall. Hia chance in my life." Do not believe him. answer was : "Whenever I come to a big Everybody has had one chance at least in life. "Every dog," the old proverb and then my body must follow." Now, savs, "has his day"; and so every human I give you that advice in life-whenever being has at least his one opportunity. Fortune comes and knocks once in our lives at the door of every one of us, will knock at the door of every one of you ; only, when she does knock, take care that she finds you at home, because, if not she has an awkward habit of going

away and not coming back. "There is a tide in the affairs of men. Which, taken at the flood, leads on to for-

And the same thought is expressed by plish this or that and has failed. a contemporary poet when he said "There is a deep nick in time's restless wheel for each man's foot." For every ene of you boys there will be a time when the tide is at the flood, and a nick hurt by thoughtless taunts about the povin time's restless wheel, in which you erty of his family; and he used to say: have only to put your foot, to be uplifted as it rises. A neglected opportunity is always like an enemy left in the rear. You have all read the old legend of Tarquin and the sibyl. The sibyl of opportunity comes to you with her nine books. She comes in boyhood, and offers those | Hastings was a boy he used to grieve at books at a very moderate-price. If you the fact that his family had lost their refuse them, she goes away and burns paternal estate at Daylesford, and to say, three. Then she comes in your later "I will buy that back." He grew up to wouth and offers the remaining six at the be the great proconsul of the age. He same price. If you refuse, she goes and bought back the estate, and he died at burns three more, and comes and offers Davlesford. I had the bonor of knowing the remaining ones. If you refuse again Mr. George Moore. You may remember in manhood, she goes away and burns that he came to London as a poor. the last three, and that blessed sibyl of unknown, unbefriended Cumberland lad.

opportunity will visit you again no more. When he entered a great commercial When Napoleon visited his old school at establishment, his ambition was: "I Brienne, he made an exceedingly short intend to marry my master's daughter speech. All that he said was : "Boys and become my master's nartner." Bot remember that every hour wasted now" those things he accomplished. He not -be did not mean spent in necessary only became a very wealthy man, but, play or athletics-"is a chance of misfor- what was infinitely better, a man of great tune in future life." And, depend upon service to his generation. About sixty it, it is. You may make up for the loss years ago there was a boy of Jewish of money and other things ; but you can- extraction, a clerk in a solicitor's office not possibly, under any circumstances, and, to the intense amusement of his make up for the loss of time. If you use companions, he used to say : "I intend to your time now, and husband your oppor- be Prime Minister of England." And tunities, you may be quite sure that there in spite of scorn, he became Prime Min is not the least ground for any anxiety or | ister; and his name was Benjamin Disra misriving about the future. Every one eli. Ninety years ago there was a boy in happy life as is given to any human what I am tilling you-that any boy being. of you will have as great a chance of a Staffordshire who had been told exactly THREE STRANDS be : and he said : "If that be true, I There are three strands to go into the will test it; and I am determined that I thread of every life-labor, sorrow and will be Prime Minister of En joy; but, if you do your best now, with gland." That boy became Prime Min high objects and purposes, although you ister, and his name was Robert Perl. will not escape sorrow, yet you will cer- Some fifty years ago there was a very tainly gain the highest possible ends of rude and ungainly looking boy who life. But I would also impress upon you seemed as if all his limbs were out of that you must have diligence and thor- joint. When seven years old, he was soughness. You cannot possibly get on shoeless and penniless, at seventeen was unless, when the opportunity comes, you driving a canal boat, at twenty was a rail use it in a thorough and vigorous way. splitter, at twenty-two was at the head of Nature gives you absolutely nothing for a small shop which was very unsuccessnothing. When I was at the school on ful, but used to amuse his comrades by the other side of the valley, in which I saying: "Never mind, I intend to Jabored fifteen years, I used very often to become President of the United States." hear from the boys, "S) and so is an His name was Abraham Lincoln. It is awfully clever fellow-always at the top, dogged that does it, and it is thorough and he never opens a book"; but never that does it. After all his failures, Janin one simple instance have I found a coin thought he would take to the law. case in which such boys ever did any He bought a law book ; and after breakreal good atterward. That kind of clev- fast he used to go out and sit under a erness is like grass on the house tops, tree, and, with his legs higher than his that withereth before it is grown up. All head, moved round the tree in the shade the great men of the world gained their from morn to dew eve. In that way he position by thoroughness and diligence. mastered the law book, and in time he Look at one of the most splendid and became one of the greatest of the modern accomplished men that England ever Presidents of America. produced, Sir Walter Raleigh. It was NOT INCH HIGH DIGNITIES ONLY. said of him by an opponent: "I know The same thing which has happened that he can toil terribly." Look at Sir in these instances, the same career, is Isaac Newton. Hesaid that the only single open to every one of you boys, if only point in which he was superior to others. you have the will and pay the price, was this : that he had a power of concenwhich is indomitable resolution, and trating his attention. . Take the greatest sleepness tenacity of purpose. Try the scholar of the pre-Reformation period, experiment; and if you succeed, and I read by moonlight, because he could not in my grave, I hope you will afford a penny to buy a torch. Look at not and will not fail. But I do not will John Milton. Even as a youth, he could to put before you merely this pour and write Latin like a Roman; at quite an vain unsatisfactory ideal of merely early age he had mastered Hebrew, earthly success. It would not necessarily Greek, Syriac, Italian and French; he make you happy or more useful. I want was a fine fencer, an accomplished much rather to point you, not to these swordsman, and one of the grandest and inch higher dignities, because after all finest students of Cambridge. What was the extent to which one of us differs from the secret of those immense accomplish-another in life is in God's sight no more menta? Why, even when a young boy the tenth of an inch by which one at St. Paul's School, his ardor for knowl blade of grass towers over its neighbor. edge was so great that he rarely went to I want rather to point you to those eterbed before 12 o'clock. All these great nal heights of moral and spiritual excelmen have achieved greatness by exceedlence which every one of you should try ing diligence. We have all been griev- to reach. I do not know whether many ing very recently over the death of the of you will become great men; some of grand old Emperor of Germany, William you, I hope, for the good of your country, I, the father of united Germany and the will; but every one of you may become founder of the present empire. He was what is infinitely better-a true gentlenot by any means a gifted man, but, man, a true Christian, a truly good man, although he climbed to the very giddlest and, as we used to say at Harrow, "a height of glory, he remained to the last profitable member of the Church and the same simple, faithful, hard working commonwealth, and hereafter a partaker man : and a friend says of him : "When of the immoral glory of the resurrection." I passed the palace at Berlin night after That is the end and height which I night, however late, I always saw that grand, imperial figure standing up beside BE HONEST FIRST. the green lamp; and I used to say to You know the old story of how Sin myself: 'That is how the imperial crown Walter Releigh wrote with a diamond onof Germany was won."" Three thoua windowsand years ago, Solomon said, in the "Fain would I climb, but that I fear first place : "Whatsoever thy hand find

levers of the intellectual and physical a toast, once said the youth of his counwork. But, besides those, I would add | try reminded him of the three degrees of that you must have your diligence comparison. First, they trid to get on ; inspired and your opportunity put to use then they tried to get honor; and then by a certain heroic aspiration and resolu- they tried to get honest. I want you to ion. If you want to be great men, reverse those matters, and to determine useful men, successful men, truly good at all costs, first of all, to be honest; and

nen, you must aspire and you must then, please God, you may get honor. resolve. A few years ago, one of the and get on. Another inscription, writforemost of modern Englishmen, Mr. ten by an unhappy princess, was : "Ob, Gladstone, came over to Fort Hill and keep me innocent! make others great." gave away the prizes to you. He is very Keep innocence, and do the thing that is foud of doing that service. He also gave right; for that shall bring a man peace the prizes a short time ago at a school at at the last. I want you to get behind Wimbledon ; and he asked the boys this those words "failure" and "success." Remember that some of the most brillquestion: "If you were told to jump, what would you do?" and the boys lant successes in the world are in reality answered : "We would jump as high as the most complete and absolute failures. ever we could " I give you very strongly No man, however miserable may seem to take of supposing that one and two make that advice. Jump as high as you can, be his fortune, can be a failure if he has been true to the eternal laws of righteousness; and no man, however builliant his The great Nimrod, Mr. Assheton

Smith, was once asked how it was that fortune can be a success if he has been mean failure, and that diligence and he took leaps which nobody else ever, false to his country, to his honor, or to

BOYS WHO SUCCEEDED.

Not a Sister's Love.

leap, I always fling my heart over first; you come to a big leap, throw your heart over. If any one of you not merely wishes to be something, but wills to do something, it is perfectly certain that ou can be that thing. Youth and time, with indomitable resolution, with sleeply together, but never a word of love had less energy, with endless tenacity of pur-

pose, are simply irresistible; and I do tot know a single case, either as regards small or great things, in which an English boy has determined to accomfarm.

There was once in Harrow School a very poor boy, the son of a small trades-Here's Ruth going to be married ----- " man in Harrow, who was very much

'Never mind, I intend before I die to ride in a coach and four"-not a very nothing to prevent the match." oble ambition. But long before Dr. In a few days George started far the Parr died he had become the greatest west to seek his fortune. There were scholar of his age, and habitually rode tears in Ruth's eyes when they parted,

in a coach and four, When Warren but George attributed that to the sisterly love she bore him. For seven years the young man toiled

with varying success until he found his way to the mines. Here fortune took a turn. She fairly rained down her favors, Carson was a rich man.

"If it had only happened years ago !" he sighed, "but to what purpose is it now ?

After awhile a strange longing came over George to visit the old scenes of is youth.

THE COMING SUGAR KING. Fine White Sugar Made From Common Sorghum Cane.

From the Weekly News and Courier. During the Inter-State Farmers' En campment, at Spartanburg, on Tuesday, August 6, the United States Commissioner of Agriculture, the Hon. Norman J. Coleman delivered the following address on the subject of the manufacture of sorghum into syrup and sugar :

Mr. Chairman, Ladies and Gentlemen Our people are the largest sugar consum. ing people in the world. By the last report on the subject it is ascertained that we consume 52 pounds of sugar per capits, throughout the United States, taking all purposes for which sugar is used which is about twenty-five per cent. more than the next largest consuming people use, that is, the English people. We are paying out annually to the laborers of other nations over one hundred millions of dollars of our hardearned money, which I hope to be able to

show you can be distributed among our When George Carson was made a own people by the home production of problem. nomeless orphan Farmer Pendrew offered sugar. While we are paying out at this STUDYING THE METHODS OF OTHER "do for him" until the boy was of an time one hundred millions of dollars a age to take care of himself. The boy year, yet our growth of population is gobund that fate had led him to a pleasant | ing on, the consumption is annually inhome, for the work was light and Ruth creasing, and in twenty or twenty-five the department of agriculture, to Europe, such compensating returns. years from now, at the least, we shall be to visit the beet sugar producing factories people. When it is paid the money again Fort Scott works, in Kansas. That was of bushels to the acre, and the seed will goes into circulation and the country is not during the second year of my term of of- pay the cost of cultivation.

exhausted of this blood almost vital to its fice. PROUD OF BEING A FARMER.

I am proud to be called one of that stacles occur, and we found difficulty class who are engaged in cultivating the after difficulty to encounter. As an obioil, and I generally feel at home in such stacle of the greatest magnitude we found meetings as this because I was born upon that by the diffusion process the juices of have a climate where man can work a farm and my whole life has been devo- the leaves were as thoroughly extracted and in an incredibly short space George ted to the elevation of the farmer and to as the juices of the stalk ; that there were is cheaper and the time is surely coming, the development of our great agricultural certain chemical principles in the leaves interests. [Applause.] We farmers all which were obnoxious to the production know that there is no plant more at home of a good sugar. We had therefore to wheat growing States you have your among us than the sorghum plant. As I adopt some other method, and nearly all fouring mills. The time is coming have travelled on my way from Washing- of our time was consumed in trying to when you will have your sugar factories ton I have seen numerous patches of it overcome these difficulties. During the just as you have your cotton gins; growing with great vigor and freedom. I first year of our labor we had not sur- when white man and black man can raise

Such was the condition of affairs when which come in September. That climate afraid of a break. If they break their I came to take charge of the department requires an early variety, which can be mills the working season is delayed perof agriculture at Washington. Having worked up rapidly. But many of their haps two or three weeks or more; for been giving careful consideration to the men have made large amounts of money. they must be sent to the foundry to be manufacture of beet sugar, I felt satisfied Hon. S. H. Keenan, a friend of mine, is repaired. They do not, therefore, crush out all the juice that is in the cane. I that there was enough saccharine in sor- making 20,000 or 30,000 gallons of syrup have frequently taken it up, wrung it. ghum to make it a profitable plant from and selling it there at 60 or 70 cents a and seen the rich drops of juice dripping which to raise sugar. During the very gallon.

first interview I had with President SORGHUM THE SUGAR KING

Cleveland, before my appointment, I stat-No plant in the world can, in my judged to him that if placed at the head of ment, compete with sorghum as a sugar the department of sgriculture, I would, nlant, first, on account of its hardiness in my humble judgment, be able to demand second, on account of its easy cultionstrate before my term of office expired vation. For any farmer can plough duthat this country would be independent ring winter or early spring with a cheap of every nation on earth for its sugar. span of mules or horses his forty or sixty [Great applause.] He gave me some acres of ground, harrow it, drill it with words of encouragement, but told me his improved double cultivators, cultivate that I was taking a very big task upon it just as he does corn, and he has raised that crop without help. Whether he is a my hands. I spoke of the importance and magnitude of the subject; of the drain black man or a white men he is capable of which was going on from the pockets of producing this. And, gentlemen, this our people, and I presume that the very seed which is produced upon that will fact of my evident interest in the matter pay the entire cost of the cultivation. To had its influence in securing my appointevery ton of cane there are two bushels ment. I had not been in my seat two of seed, and the average production in weeks before I determined to use every Kansas and New Jersey, where this same

> least twelve tons of cane to the acre and two bushels of seed to the ton. What

"You see," said Pendrew, "I don't statesmen of America. We hear a good finally agreed upon a plan, the one of and their swine command a premium in State to teach men how to make sugar by want to be all alone in my old age. deal about our great national debt; but Pusey & Jones, of Wilmington, Delaware, the markets. There is no better food for this new process, to qualify them to run

mills, that if the Government is determined to deprive them of this protection they can still make sugar and make it exertion in my power to solve this sugar diffusion process has been practiced, is at LOOK BEFORE YOU LEAP.

I recommend that none of you immediother plant can compete with it? Will ately go to making sugar. I presume I sent Prof. Wiley, the chief chemist of the Southern sugar cane? It has no that I could have induced the establishment of numbers of factories this year,

from it in streams. They say they cannot

afford to exhaust it of this juice for fear of

What is more pleasant than all, gentle-

men, with our system as carried on at

Fort Scott, we obtained, from six carloads

of cane sent to us by, Edward J. Gay, 70

pounds more per ton than anybody pre-

dicted we could. They say that they

cannot afford to run their old system, ob-

taining the above small amounts; some

other system is to be adopted, and they

say if this system of diffusion holds out

they can laugh at the tariff. They can

make sugar there so cheaply, as they

gradually rid themselves of their old

breaking their mills.

This seed is just as good for feeding bad I thought proper to do so. But like a sister to him. They were constant- paying, unless there is a change, two in France and in Germany, in order to horses, cattle, sheep, swine and poultry as what gentleman of good common sense hundred millions of dollars to the people get plans, specifications and drawing of Indian corn. Indeed, the Philadelphia would undertake to run any manufacturof other nations. Have you ever consid- the entire apparatus and machinery in dairymen pay to the Rio Grande sugar ing establishment without either under-When the time came for George to go ered the drain upon your resources caused use there. He came home with these men ten cents more for the seed of sugar standing it thoroughly himself or scene, and at intervals uttering a sharp out into the world and make his own by taking this vast amount of money drawings from ten or twelve different cane than for Indian corn. They feed obtaining an expert to manage it for way the farmer drew him aside and from your pockets and sending it to enrich factories. He became convinced that their horses entirely upon sorghum with him ? Skill is required, and one of the On the ground below, entirely by themoffered him fair wages to remain on the other nations? It is a question worthy success could be obtained, sooner or later, the addition of a little bran. They fatten first things we need is a school for instrucselves, were two crows, silent and apparof the profound consideration of the by adopting the beet sugar methods. We upon it the finest hogs I have ever seen, tion. We ought to have a school in every objects of the gathering. Whether they tobacco.

were sick, or old and feeble and disabled. that, gentlemen, is a mere bagatelle in manufacturers of sugar apparatus and sheep or cattle. It is probbably better to these factories, to educate them in the or had committed some crime against "Married?" exclaimed the young comparison with the drain caused by the machinery. We told them of the battery have it run through a roller or grinder business, and then we shall see our the crow-law, their language did not purchase of our sugar supply, which has of cells which we wanted constructed, and and to have some bran mixed with it. sugar factories established everywhere inform us, but they looked and acted ecome one of the necessities of life, a complete diffusion plant was prepared But I say it is equal to the Indian corn, throughout the country. Every neighlike culprits, and so seemed to be regardher hand and as she favors him there's Our public debt is due mainly to our own at that establishment, to be placed in the and produces about the same number borhood can do it. Farmers can do it. ed by the others. My friend thought he once or twice heard some sound from Of course, under this process, which we have now, to establish a good plant would them, which he fancied might be a tone cost some \$25,000 or \$30,000. But I am

THE LOUISIANA SUGAR.

carrying on experiments in New Jersey of appeal for pity : but the writer did If any of you have visited the Louisthis year with a much simpler plant not notice it. For some minutes the iana sugar plantations you know what a great body of crows were flying about among millionaires. costing from \$5,000 to \$7,000. Last year slow, tedious job it is to raise cane there, energetically and cawing, but soon the in New Jersey one acre of ground, careand how much help it requires. Here fully measured by Mr. Hughes, produced no such skill is required. Here we 1.970 pounds of sugar. You will find that in our agricultural reports, and I longer and do more; we have land that will say that if those who are specially two culprits or offenders on the ground, soon become extinct. interested in studying this matter will gentlemen, when in every neighborhood write to me for the department of sgriand literally tore them to pieces, scatteryou will have your sugar mills as in the culture reports, where all of this has been laid before the public, I shall be which the entire flock dispersed and flew hat een when he goes home late. It is away. very happy to send it to them.

THE IMPORTANCE OF THE BUSINESS. Since witnessing the sight thus men-The importance of this new industry to

VOLUME XXIV .--- NO. 10.

Tribunals of Birds. The animal creation, whether of beasts - Rabbits are becoming a nuisance in or birds, is full of wonders, and its mem-Colorado.

- It costs the Emperor of Austria bers often exhibit an intelligence and \$600,000 to entertain the Czar of Russia power of thought, a design and aim in their doings, strangely akin to what we for three days.

- One million dollars in counterfeit see in human beings. Natural history coin and notes are being destroyed by the is full of examples confirming and illustreasury department at Washington. trating this statement, and observation is - It is curiously claimed that there continually adding to their number, one of the most singular and curious of

a brief account of which follows.

has never yet been a genuine case of which is seen in what has been called, as hydrophobia or rabies in any of the Pacific coast States or Territories. in our title, "The Tribunal of Birds."

All Sorts of Paragraphs.

As one instant of this, the writer will - The cyclone in Kansas was not altogether an ill wind. Thousands of state what he himself has witnessed, and English sparrows were killed by lightin three different cases where he has ning or beaten down and drowned. mentioned it to others they have told - The entire taxable property of the him that they had themselves seen 'substantially the same thing. He was going State of Georgia, as returned by the with a friend through a woody and sandy property owners the present year, is

\$357,863,338. This is an increase of \$12.part of lower New Jersey, when his 258,000 over last year. attention was arrested by a large gath-- The home crop of rice being short ering of cows on the border of the woods. ast year. large quantities of the East who were flying about with not a little noise, and excitement, so much so that, India article have been imported. The as he drew cautiously near, he did not finest in the world is said to be grown in

seem to be noticed. Quietly seating Java from Carolina seed. - Pennsylvania has some girls worth himself with his friend on a log he concluded to watch their doings, when he having. In the having season, a gentlesaw the strange and curious proceeding, man during a short drive counted nine young women driving two-horse mowers

and 17 managing borse rakes. In number the crows might have been - A double headed infant, it is said. some fifty or sixty. Most of them were flying backward and forward, filling the was recently born to a French family air with their cawing. One was sitting named Reoulbault, living at Manchester. on a branch, some twenty feet above the N. H. The child is reported othewise the ground, as if supervising the whole well formed, active and likely to tive. -- New York will hold a big tobacco and authoritative "caw" to the others. exhibition next winter. There are 500 .-000 retail tobacco dealers in the United States and 500,000 workers interested in ently depressed, who were evidently the the manufacture of smoking and chewing

> - A Texas paper mentions a wedding in which a romantic young man named Lightfoot was married to a young woman in the middle of Red river, the preacher and everybody else having waded out from shore.

- A man over in Tennessee, who is about to marry the fourth time, is less of remonstrance or complaint, or perhaps than 40 years old, and a financier suggests that if he had only insured the lives of each dear departed he might now rank

- It is estimated that 50,000 mocking neise diminished, and most of them had birds are caught monthly in the immesettled upon the trees, when suddenly, as diate vicinity of New Orleans. There if at some signal, or by some simultane- are so many of these birds caught in ous impulse, they all darted upon the Louisiana that it is thought they will

- A Colorado judge has held that a ing their feathers on every side, after man is obliged to tell his wife where he at the judge is married and belongs to some lodge, and wants all the tioned, the writer has been told by an other fellows put in the same position as

now," he said, with this bushy beard and surrounding countries or States it is one hoped. burly form. I might even steal a glance of your most vigorious producing plants. at Ruth without her knowing ?"

ore than seven years before. walk, s, he resolved to go at once. As he was walking briskly along the

country road a man sprang suddenly out of some bushes by the wayside. etion. From a glimpse of his face which the traveler caught by the moonlight he recognized the features of Richard Harne. But the next instant the heavy blow of a bludgeon stretched George Carson senseless on the groud.

If the assailant's purpose was robbery he had no time to accomplish it, for the sound of approaching steps compelled him to instant flight.

When George Carson returned to consciousness he found himself in bed, and a sweet gentle face bending over him. At the first glance he started with an exclamation of surprise. The face was Ruth's.

It disappeared quickly and that of the loctor took its place. "She must never know her husband's rime." he said to himself; "it would. quite break her heart." "I think he may safely see her now," muttered the doctor, stepping out, and

the pext moment Ruth catered. "You don't know how glad I am to see you better, George,"he said taking his 'cane." Mr. John S. Keys, of Iudiana, hand in the old sisterly way. "So you know me then ?"

"I knew you at the first glance," she nswered. "Mrs.-Mrs. Harne-" he began. Her face flushed. "Why do you call me by that name?" she asked. "Why, are you not Richard Harne's vife ? I'm sure I heard so."

"What you heard was false, then I am aill Ruth Pendrew as you left me so many long years ago." When he was strong enough to listen amber cane. A great many barrels of "Thank God !" George ejaculated

o all. George heard from Ruth of her rejection of Richard Harne's offer, also of her father's death, and how she was will probably recollect that a barrel of now mistress of the old home, where she whither George had been carried by This gave a great boom to the production those who found him where he had been of sugar. stricken down; and how Richard Harne

had squandered all his patrimony and ecome an outcast. and complete; and it was not long till

tionship than that of brother and sister. | called the "old roller mill process," which | sugar.

drives out the malarial poison which refunded. Try it.

"Surely nobody would recognize me dare say wherever it is grown in this or mounted them, nor succeeded as I fondly

FINE YIELDS OF SUGAR. You know as well as I do that a rich and

that time I commenced its cultivation. strip the cane before putting it into the [Applanse.] It was getting night when, after many receiving my first supply of seed from the mill as you do, where you raise two or barrel. I then commenced studying the through a fanning mill, which blew off we had manufactured at Fort Scott was

> SUGAR CAN BE MADE AT HOME. I concluded then that if this sugar would crystalize when no effort was made to produce that result, all the sugar needed in our country might in time be prothroats. duced at home. I had noted the cultiva-

tion of sugar beets. You probably know that more than haif the sugar now of flour to the bushel of wheat than did consumed by the civilized world is made this cane mill turn out its full complefrom beets. You probably recollect that Napcleon offered a bounty for its production. Although the first beets used for amounted to over 100 pounds of sugar not. sugar showed only about 4 per cent of to each ton of cane and in the second saccharine matter, enterprising sugar workings to about 20 pounds, and in ad manufacturers, encouraged by the kind-

dition there were left to each ton of cane ness and bounty of the Government, have about 10 gallons of molasses. improved it from year to year uptil it This was done by what is called the now shows about 18 per cent of saccha-"diffusion process," which consists in rine matter, a result accomplished by cutting up the cane on a plan pecisely

careful and scientific cultivation. similar to that of cutting up the beets; I argued that the same improvements slicing the cane into thin pieces. This could be made in sorghum culture. The is done so rapidly that your cane can be first advance in that direction was the insliced as fast as it can be ground or rolled troduction of what is now called "amber in any mill in South Carolina. These slices, of the thinnest sort, are conveyed brought home some seed obtained while into round cells holding one or two tons. on a visit to Paris. He planted it and A battery of twelve cells is so constructed succeeded in raising one stalk. It ripened that hat water is forced from one cell to earlier ; he found upon examination that another until the juice stalks are ex its juice was richer in saccharine matter : hausted of every particle of saccharine and from that stalk of cane has been prowhich they contain. They are then duced the earlier amber variety, which is carried out and thrown into a pile by now to be found on nearly every farm this endless carrier system. where sorghum is cultivated. Being so

THE VERY BEST QUALITY.

early, it was taken to Minnesota and was there cultivated. The syrup was of a fine Although we had adopted many of the amber color. It was found to crystalize processes used in Europe and which were readily; and you will recollect that a essential to success, such as carbonization, process, and many others, we found after we got the pure juice unmixed with that of the leaves that it made of itself, without any carbonization or filtering, the

It went so far, finally, that a large man. last year, at 61 and 61 per pound. I ufacturing establishment was erected at showed samples of it to Edward J. Gay, George Carson's recovery was speedy Champaign, Ill., and some 60,000 or 70,000 the largest sugar maker in Louisiana. pounds of most excellent sugar was pro- and he said he could see no difference in he and Ruth entered in a closer rela- duced. But it was produced by what is the world between that and the Southern

the liver and biliary apparatus, and being produced to the ton of cane. The gar State as Louisiana. Kansas is a great induces liver complaints and bilious dis- German and French manufactuers were State, has given a great deal of attention majority, but he does not believe in leav- This caused its manufacturers to so large have ruined nearly half the corn crop. ing any stone unturned to make success an extent that sugar was cheapened leaving it as brown and dry as if struck

their cane, haul it to the factory, have the American people I wish to impress old and leading physician of New Jersey it converted into sugar, get as they do in upon you very strongly if I can. You that he has twice in his lifetime witnessed Kansas from \$2 to \$3 a ton cut right know something about the over-produc. a similar transaction among the crows; We then had to adopt some system to from the field, leaves and all, cash tion of farm products that is going on in and a young friend says he has once, Acting promptly on the thought, as healthy syrup has been produced from it get rid of these leaves. Where cane is every Saturday night, the sugar manuwas his habit, he was soon retracing ever since it was introduced some thirty raised as in Kansas, by the thousand facturer converting it, and making a good was not so much cotton produced it same thing, except that, in the last case, the journey on which he had entered years ago, the Chinese sugar cane. At acres, employees cannot be obtained to deal more money than the farmer does. would bring a better price, if there was the victim was but a single crow. In not so much wheat produced it would each instance, the offender, whatever his an hour.

Here is an opportunity for capital to not be selling at 50 or 60 cents a bushel. offence might have been, was torn in weary days of traves, the train set a patent office. I made syrup from it, and three acres of cane. We finally hit upon enter and make money. Take a ton of I have lately been through Dakota, pieces by his associates. And so we see, handsome man down at a little station to my surprise at times I would find per- the plan of cutting the stalks into strips cane and see what it produces. It pro- Montana and Manitoba, and language in a leading journal of Geneva, in Switzsix miles from Farmer Vendrew's house. haps one third or one fourth of a barrel three inches in length, carrying these duces 100 pounds of sugar the first work- will not enable me to describe to you the erland, that a well know Alpine tourist The newcomer wasn't afraid of a good of crystals in the bottom of my syrup upon an endless chain, and passing them ing; if there is another reboiling it produces 20 pounds more-120 pounds of rode through the richest prairie lands I of a "raven tribunal," which he accidenproductions of sugar, and have from that the leaves and left nothing but the pure sugar. What is that worth? What are ever saw; they seemed to me limitless tally witnessed, while in an excursion in of time to a beautiful shade of red. time to this given it my careful consider- cane. That first battery of cells which you paying for sugar now? For the in extent. It was like going out into the the Swiss mountains.

quality produced I undertake to say yon great Atlantic Ocean with a boundless put into operation after ridding ourselves will pay 8 cents, but say 6 cents. That expanse upon every side of you. Land of these difficulties. We commenced is \$6 for the first run, \$1 20 for the sec- can be taken there as a homestead. by thick woods, concealed in which he making sugar, and we made there last ond-\$7.20. Then there are two bushels Emigrants are flocking and living there witnessed, as he says, a strange spectacle. somely. When he retires from office, year 235,000 pounds of as good sugar, I of seed to every ton of cane, worth as in houses, tents and cabins of every con. Some sixty or seventy ravens formed a believe, as you ever put down your much as corn, which I presume to be ceivable kind.

worth 50 cents; that is \$1 more, making | If ground is ploughed this summer and No flouring mill ever turned out \$8,20. Then there are at least ten gal- next summer it will produce thirty with great clatter of croaking and more certainly its full complement lons of molasses, worth \$2 more-\$10.20. bushels of corn to the acre. Some of the clapping of wings. Every now and then Yet the manufacturer has paid but \$2.60 syndicates formed in the East cultivate they interrupted their noise to listen, for for that from which he gots his \$10.20. 30,000 or 40,000 acres of wheat. It is a moment, to the energetic cawing of Druggist (a calm man, accustomed to ment of sugar to every ton of cane that Can anything be more profitable than true they have a rigorous climate in the culprit, who seemed to be defending was put in it, which in the first workings that? It appears to me that there can- winter, but they sow wheat in April, himself with earnestness and vigor, the

RESULT OF THE EXPERIMENT. the Eastern market, and they sell out comments and replies to his statements. I wish to impress upon your minds and go to their homes in the East. And soon, having arrived at their con-

this point : that in these experiences, Everything is conducted on those huge which have been conducted there have farms with military precision. They been no mistakes. Last year Col. Edhave the best horses and mules, who are ward H. Cunningham, of Texas, who is up every morning at 5 o'clock, the horses raising about 1,000 acres of Southern and mules are curried and fed, the harness sugar cane, having seen how successful is put on them ; by 6 o'clock they are our experiments were, wrote to me after

through breakfast and go out and work reading an interview with the Associated with a gang of fifty or sixty horses and Press reporter, to ask if all I had stated ploughs. was true. I replied that the best way

Now, the average American farmer to determine that was to go to Fort cannot afford to produce wheat in com-Scott and examine for himself, see the petition with such labor and organization cane cut in the field, the stalks run as that in possession of such land as that. brough the mill, the sugar produced, How is it with other products? How has neasured and weighed, and then decide the average farmer succeeded lately ? A for himself. In addition I advised him good many of them within my knowledge to take along with him the best sugar have been losing money. Pork has been expert he could find in Louisiana. He selling in Missouri and Kansas at three followed my advice, and went there for cents a pound, corn at fifteen cents a two weeks, taking his sugar expert, who bushel when they have good crops. remained a month. He went home per-

There is no money to be made in that. fectly convinced that that was the true We have got to look to some other crop. system, saying he could not afford to run MAKE WHAT YOU CONSUME. the old process any longer. He has this This nation ought to produce every- | tion than was shown by the more select year put in a complete battery of cells and planted 700 acres of sorghum in ad- thing which is consumed here, if it is number. After a few minutes, however, ditional to his sugar cane, thus nearly adapted to its production. We ought be says the manner of the culprit suddoubling the value of his plant, increasing not to be sending our hard earned denly and wholly changed. He bent his the number of days in which he works, moneys off to enrich the laborers and head, cawed weakly, as it were implorproprietor of other nations. We want to ingly and dropped his wings, as if

ground.

and increasing the profits of the plant to keep this hundred million and soon this pleading for mercy. But it was useless. two hundred million here at home to en- The select circle closed upon him at This new system of diffusion which I have described succeeds not only with rich cur people, developing our resources, once and, pcking him to pieces, left a roughing in on Green Island' this sumsorghum but equally well with the increasing our prosperity and giving mangled carcass in less time than one mer, has devoted much time to studying Southern sugar cane. Last year we car- wealth to our farmers. (Applause.) We could write it. Then they all flew away ried on experiments in Louisians on the must do it by encouraging the develop- with a sort of exulting scream, some to the rookery and some to the neighboring plantation of a Southern sugar cane planment of new industries. I should be doing great injustice to the fields. On picking up the remains, ter with the caue that he selected. I left

it entirely with the committee of an asso distinguished Senators who are here if I he adds, "I found but a shapeless mass, ciation to determine whose mill should did not say that they have appreciated but was able to discern that it was a nest they have enough eggs remaining be tried, and I believe they chose the the magnitude and importance of this male bird."- Christian Weekly. mill that had obtained a larger per cent interest and have willingly and cheerful-

than any other. While the owner of this |y voted to encourage it. nill extracted one hundred and seventy After alluding gracefully to South or one hundred and eighty pounds of sugar, the department of agriculture from past, and thanking the intelligent audi- game, and just after daylight, heard some extremely close packing that na odd pounds to each ton of cane, and or their appreciative attention, the same cane got two hundred and forand pretty soon was sure he saw a deer overnor Warmouth this year said that would be glad to talk privately with any moving among the trees. Taking delibhe could no longer afford to run the old farmers who felt an interest in his subject, farmers who felt an interest in his subject, buckshot in the neck of his father, who that the pleasant California liquid fruit. mill. He has put in a system of diffu-and ended hy offering to respond by letter he supposed was at home. The old man remedy, Syrup of Figs, is more easily. sion, a battery of cells, in order not to to any who desired further information.

- The fastest long distance run on a railroad west of Chicago is claimed to have been made this week on the Union. between Chevenne and Omaha of 49 miles

- There is a lake in Nevada which contains the largest deposit of natural hair dye in the world. By bathing regularly in it it is possible to change the color of your hair to a golden blonde, and if the bathing be persisted in any length

- When the President of France is elected it is for seven years. He receives Descending from the region of the as salary \$120,000 a year, and \$60,000 for glaciers, he came upon a glen surounded household expenses. He lives handcircle round one of their number, whose name, if he has been a wise magistrate. he will be a rich man. conduct they were esgerly discussing,

- Indignant Physician-"Man, what have you done? You sent my patient the wrong prescription and it killed him !" abuse)-" Vhell, what was der matter mit you ? Last week I sent your odder harvest in August and thrash in Septem- apparent judges breaking out as soon as patient der right berscription, und dot ber, and in October it is on the way to he closed into a deafening chorous of killed him. How can somebody blease sooch a man ?"

- Leading tobacconists say that th use of tobacco is rapidly decreasing clusion, they flew upon the arraigned bird from all sides, and tore him to the years go by, and that at the present pieces with powerful beaks, and then rate the weed will cease to be an article dispersed, leaving the remains of the of commerce during the next half cenexecuted offender strewed upon the tury. This is probably the reason the Republicans want to take the tax off from it, hoping to stimulate the consump-And this narrative from the Geneva

tion by reducing the price. papers leads a correspondent of the - The "Champion frog-eater" of Basle Daily Telegraph to say on the same France, recently wagered five francs subject that when he was riding on and a quart of brandy that he could swalhorseback near Norfolk, in England, he low three dozen live frogs at a sitting. was startled by hearing an unusual He won, but was immediately seized with commotion among the rooks of the horrible internal pains, and nearly died neighborhood. Quietly tying his horse, before he could swallow chemicals enough e crawled to a gap in the hedge of a to get the frogs out of him. When they a grass field in which a "rook trial by were ejected fifteen of them were dead, ury," as he calls it, was going on. The but the rest were still alive.

culprit, he says, "at first appeared very - John A. Robinson, a wealthy and perky and jaunty," though surrounded eccentric citizen of Norwich, Conn., died by some forty or fifty of his evidently recently. His will provided that his indignant associates, while an outer ring body be kept three days before being of some hundreds were incessantly and placed in the grave. It was further loudly cawing with far greater indignaordered that the grave be so made that an exit from it would be easy. A hammer was to be placed near his right hand and a lamp kept burning in the grave for three days and nights. These directions were carried out to the letter, but with no startling result.

- A Georgia man, who has been the habits of the turtle and to gathering her eggs. He says that no one having taken the eggs from a turtle's nest can get them all back in again. Those who have tried it find that after filling the to fill one or two more just such holes in the sand. When Mother Turtles lays an egg she paddles it in tight with her feet. - John McAdams, of Monroe, Ga., went out early the other morning for a and so, egg by egg, until the nest is full still hunt. He waited patiently for and the elasticity of the shells permits something in the bushes. He sat still, man has been able to duplicate.

The Bables Cry For it;

erate aim, he fired and lodged a load of And the old folks laugh when they find

sugar have been made from it. My friends here, Senators Butler and Vorhees. was now living with a maiden aunt, and at the time that he was in Washington. highest grade of sugar.

ACTUAL EXPERIMENTS.

good deal of sugar was produced from the the injection of acid, the German sugar that sugar was sent to President Hayes finest, sweetest and best juice and the

That sugar sold right there by the a very large extent. carload, ready for every farmers' con-

sumption,-white sugar, cheap as it was

failed to extract all of the saccharine con- Every farm, therefore, can be made a su -Aver's Ague Cure acts directly on tents of the cane, 40 pounds only of sugar gar farm. South Carolina is as good a su price of sugar was then very low, for sugar Sate, and Senator Plumb, of that orders. Warranted to cure, or money making sugar in large amounts, as those to this matter, because other crops some governments paid a bounty, not upon times completely fail and the sorghum - Voorhees is going to speak in every what sugar was produced in the country is the only reliable crop. Lately, as you county of Indianna. He says the Demo- but upon what sugar was exported from may have seen, they have been having crata will carry the State by over 10.000 the country, thereby bringing in money those terrible, hot southwest winds, which

throughout the civilized world. So it by the heaviest frost, yet sorghum simply

